Proposed Monitor Timing Standard

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Proposed VESA and Industry Standards and Guidelines for Computer Display Monitor Timing (DMT)

Version 1.0, Revision 12p, Draft 3

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This document includes all current VESA Monitor Timing Standards & Guidelines. 'Guidelines' are subjected to the same VESA review and approval process as 'Standards', but are designated as 'Guidelines' to ease concerns on the part of some VESA members that VESA is 'endorsing' these timing standards. 'Guidelines' designations are typically used for lower resolutions or lower refresh rates that are in common industry use in lower-performance systems. For reference, this document also includes a number of <u>industry standard</u> timings (defacto standards) for the computer industry.

This document is the primary means of distribution for all VESA Monitor Timing Standards and Guidelines. The standards and guidelines covered by this document are outlined on the following page.

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Intellectual Property

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Support

If you have a product that incorporates any of the standards in this document, you should ask the company that manufactured your product for assistance. If you are a display or controller manufacturer, VESA can assist you with any clarifications you may require. All comments or reported errors should be submitted in writing to VESA using one of the following methods:

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Revision History

Version 1.0 Revision 0.0	Sept. 12, 1994	Initial Release of the Standard
Version 1.0 Revision 0.1	Oct. 10, 1994	Fixed sync polarity of 1024x768 @ 60 & 70 Hz. Removed page numbers so new timings could be added.
Version 1.0 Revision 0.2	Nov. 4, 1994	Added notes & comments to clarify timing of interlaced modes.
Version 1.0 Revision 0.3	Feb. 16, 1995	Fixed miscellaneous typos
Version 1.0 Revision 0.4	May 4, 1995	Added EDID IDs for DDC, fixed 1024x768 interlace vertical times.
Version 1.0 Revision 0.5	June 14, 1995	Added BIOS mode #s, fixed miscellaneous typos
Version 1.0 Revision 0.6	April 10, 1996	Added new modes from VDMTPROP V1.0, R0.6 passed in March 1996 (85 Hz stds, 1152x864@75, 1280x960@60).
Version 1.0 Revision 0.6a	Sept. 8, 1996	Reformatted to Word 6 for electronic distribution
Version 1.0 Revision 0.7	Dec. 18, 1996	Added new modes from VDMTREV V1.0, R0.8 passed in Dec. 1996 (1280x1024@60, 1600x1200@60, 65, 70, 75, 85)
Version 1.0 Revision 0.8	July 22, 1998	Added 1792x1344, 1856X1392 & 1920x1440 all @60, 75 Hz. Corrected EDID code for 1600x1200@85 Hz.
Version 1.0 Revision 0.9	Aug. 21, 2003	Added 848x480@60 Hz, CVT 1280x768 timings, 1360x768@60 Hz, CVT 1400x1050 timings, & CVT 1920x1200 timings based on US & Japan workgroup requests.
Version 1.0 Revision 10	July 14, 2004	Added CVT 1.30MA (1440x900) & CVT 1.76MA (1680x1050) formats.
Version 1.0 Revision 11	May 1, 2007	Added several DMT CVT Reduced Blanking Timings, 1280x800@60/75/85 Hz timings, 2560x1600@60/75/85 Hz and DMT IDs.
Version 1.0 Revision 12	TBD	Added timing definitions for 1280x720 @ 60Hz, 1366x768 @ 60 Hz (Normal & Reduced Blanking), 1600x900 @ 60 Hz (Reduced Blanking), 1920x1080 @ 60 Hz and 2048x1152 @ 60 Hz (Reduced Blanking). Updated Tables 1-1 and 2-1.

1. DMT Standards and Guidelines Summary

Table 1-1 contains a summary of display monitor timings (DMT) that are defined in this standard. All DMTs listed in Table 1-1 are non-interlaced video timing modes - unless otherwise specified using the symbol "(Int.)". The symbol "(Int.)" means that this DMT is interlaced. All DMTs listed in Table 1-1 include normal video blanking - unless otherwise specified using the symbol "(RB)". The symbol "(RB)" means that this DMT includes Reduced Blanking. Complete timing specifications for these DMTs are defined in section 4.

Table 1-1: Summary of Display Monitor Timings – Standards and Guidelines

Pixel	D.C. I.D.	Horizontal	D: 1E	Ct 1 1m	Original	D. (
Format	Refresh Rate	Frequency	Pixel Frequency	Standard Type	Document	Date
640 x 350	85 Hz	37.9 kHz	31.500 MHz	VESA Standard	VDMTPROP	3/1/96
640 x 400	85 Hz	37.9 kHz	31.500 MHz	VESA Standard	VDMTPROP	3/1/96
720 x 400	85 Hz	37.9 kHz	35.500 MHz	VESA Standard	VDMTPROP	3/1/96
640 x 480	60 Hz	31.5 kHz	25.175 MHz	Industry Standard	n/a	n/a
	72 Hz	37.9 kHz	31.500 MHz	VESA Standard	VS901101	12/2/92
	75 Hz	37.5 kHz	31.500 MHz	VESA Standard	VDMT75HZ	10/4/93
	85 Hz	43.3 kHz	36.000 MHz	VESA Standard	VDMTPROP	3/1/96
800 x 600	56 Hz	35.2 kHz	36.000 MHz	VESA Guidelines	VG900601	8/6/90
	60 Hz	37.9 kHz	40.000 MHz	VESA Guidelines	VG900602	8/6/90
	72 Hz	48.1 kHz	50.000 MHz	VESA Standard	VS900603A	8/6/90
	75 Hz	46.9 kHz	49.500 MHz	VESA Standard	VDMT75HZ	10/4/93
	85 Hz	53.7 kHz	56.250 MHz	VESA Standard	VDMTPROP	3/1/96
	120 Hz (RB)	76.3 kHz	73.250 MHz	CVT Red. Blanking	n/a	5/1/07
848 x 480	60 Hz	31.0 kHz	33.750 MHz	VESA Standard	AddDMT	3/4/03
1024 x 768	43 Hz (Int.)	35.5 kHz	44.900 MHz	Industry Standard	n/a	n/a
	60 Hz	48.4 kHz	65.000 MHz	VESA Guidelines	VG901101A	9/10/91
	70 Hz	56.5 kHz	75.000 MHz	VESA Standard	VS910801-2	8/9/91
	75 Hz	60.0 kHz	78.750 MHz	VESA Standard	VDMT75HZ	10/4/93
	85 Hz	68.7 kHz	94.500 MHz	VESA Standard	VDMTPROP	3/1/96
	120 Hz (RB)	97.6 kHz	115.500 MHz	CVT Red. Blanking	n/a	5/1/07
1152 x 864	75 Hz	67.5 kHz	108.000 MHz	VESA Standard	VDMTPROP	3/1/96
1280 x 720	60 Hz	45.0 kHz	74.250 MHz	CEA Standard	CEA-861	TBD
1280 x 768	60 Hz(RB)	47.4 kHz	68.250 MHz	CVT Red. Blanking	AddDMT	3/4/03
	60 Hz	47.8 kHz	79.500 MHz	CVT	AddDMT	3/4/03
	75 Hz	60.3 kHz	102.250 MHz	CVT	AddDMT	3/4/03
	85 Hz	68.6 kHz	117.500 MHz	CVT	AddDMT	3/4/03
	120 Hz (RB)	97.4 kHz	140.250 MHz	CVT Red. Blanking	n/a	5/1/07
1280 x 800	60 Hz(RB)	49.3 kHz	71.000 MHz	CVT Red. Blanking	CVT1.02MA-R	5/1/07
	60 Hz	49.7 kHz	83.500 MHz	CVT	CVT 1.02MA	5/1/07
	75 Hz	62.8 kHz	106.500 MHz	CVT	CVT 1.02MA	5/1/07
	85 Hz	71.6 kHz	122.500 MHz	CVT	CVT 1.02MA	5/1/07
	120 Hz (RB)	101.6 kHz	146.250 MHz	CVT Red. Blanking	n/a	5/1/07
1280 x 960	60 Hz	60.0 kHz	108.000 MHz	VESA Standard	VDMTPROP	3/1/96
	85 Hz	85.9 kHz	148.500 MHz	VESA Standard	VDMTPROP	3/1/96
	120 Hz (RB)	121.9 kHz	175.500 MHz	CVT Red. Blanking	n/a	5/1/07

Pixel	D. 0. 1. D. /	Horizontal		G. 1 15	Original	
Format	Refresh Rate	Frequency	Pixel Frequency	Standard Type	Document	Date
1280 x 1024	60 Hz	64.0 kHz	108.000 MHz	VESA Standard	VDMTREV	12/18/96
	75 Hz	80.0 kHz	135.000 MHz	VESA Standard	VDMT75HZ	10/4/93
	85 Hz	91.1 kHz	157.500 MHz	VESA Standard	VDMTPROP	3/1/96
	120 Hz (RB)	130.0 kHz	187.250 MHz	CVT Red. Blanking	n/a	5/1/07
1360 x 768	60 Hz	47.7 kHz	85.500 MHz	VESA Standard	AddDMT	3/4/03
	120 Hz (RB)	97.5 kHz	148.250 MHz	CVT Red. Blanking	n/a	5/1/07
1366 x 768	60 Hz	47.7 kHz	85.500 MHz	VESA Standard	DMT Update	11/30/07
1366 x 768	60 Hz (RB)	48.0 kHz	72.000 MHz	VESA Standard	VDMTREV	TBD
1400 x 1050	60 Hz(RB)	64.7 kHz	101.000 MHz	CVT Red. Blanking	AddDMT	5/13/03
	60 Hz	65.3 kHz	121.750 MHz	CVT	AddDMT	3/4/03
	75 Hz	82.3 kHz	156.000 MHz	CVT	AddDMT	3/4/03
	85 Hz	93.9 kHz	179.500 MHz	CVT	AddDMT	3/4/03
	120 Hz (RB)	133.3 kHz	208.000 MHz	CVT Red. Blanking	n/a	5/1/07
1440 x 900	60 Hz(RB)	55.5 kHz	88.750 MHz	CVT Red. Blanking	CVT1.30MA-R	7/14/04
	60 Hz	55.9 kHz	106.500 MHz	CVT	CVT 1.30MA	7/14/04
	75 Hz	70.6 kHz	136.750 MHz	CVT	CVT 1.30MA	7/14/04
	85 Hz	80.4 kHz	157.000 MHz	CVT	CVT 1.30MA	7/14/04
	120 Hz (RB)	114.2 kHz	182.750 MHz	CVT Red. Blanking	n/a	5/1/07
1600 x 900	60 Hz (RB)	60.0 kHz	108.000 MHz	VESA Standard	VDMTREV	TBD
1600 x 1200	60 Hz	75.0 kHz	162.000 MHz	VESA Standard	VDMTREV	12/18/96
	65 Hz	81.3 kHz	175.500 MHz	VESA Standard	VDMTREV	12/18/96
	70 Hz	87.5 kHz	189.000 MHz	VESA Standard	VDMTREV	12/18/96
	75 Hz	93.8 kHz	202.500 MHz	VESA Standard	VDMTREV	12/18/96
	85 Hz	106.3 kHz	229.500 MHz	VESA Standard	VDMTREV	12/18/96
	120 Hz (RB)	152.4 kHz	268.250 MHz	CVT Red. Blanking	n/a	5/1/07
1680 x 1050	60 Hz(RB)	64.7 kHz	119.000 MHz	CVT Red. Blanking	CVT1.76MA-R	7/14/04
	60 Hz	65.3 kHz	146.250 MHz	CVT	CVT 1.76MA	7/14/04
	75 Hz	82.3 kHz	187.000 MHz	CVT	CVT 1.76MA	7/14/04
	85 Hz	93.9 kHz	214.750 MHz	CVT	CVT 1.76MA	7/14/04
	120 Hz (RB)	133.4 kHz	245.500 MHz	CVT Red. Blanking	n/a	5/1/07
1792 x 1344	60 Hz	83.6 kHz	204.750 MHz	VESA Standard	VDMTREV	9/17/98
	75 Hz	106.3 kHz	261.000 MHz	VESA Standard	VDMTREV	9/17/98
	120 Hz (RB)	170.7 kHz	333.250 MHz	CVT Red. Blanking	n/a	5/1/07
1856 x 1392	60 Hz	86.3 kHz	218.250 MHz	VESA Standard	VDMTREV	9/17/98
	75 Hz	112.5 kHz	288.000 MHz	VESA Standard	VDMTREV	9/17/98
	120 Hz (RB)	176.8 kHz	356.500 MHz	CVT Red. Blanking	n/a	5/1/07
1920 x 1080	60 Hz	67.5 kHz	148.500 MHz	CEA Standard	CEA-861	TBD
1920 x 1200	60 Hz(RB)	74.0 kHz	154.000 MHz	CVT Red. Blanking	AddDMT	3/4/03
	60 Hz	74.6 kHz	193.250 MHz	CVT	AddDMT	3/4/03
	75 Hz	94.0 kHz	245.250 MHz	CVT	AddDMT	3/4/03
	85 Hz	107.2 kHz	281.250 MHz	CVT	AddDMT	3/4/03
	120 Hz (RB)	152.4 kHz	317.000 MHz	CVT Red. Blanking	n/a	5/1/07
1920 x 1440	60 Hz	90.0 kHz	234.000 MHz	VESA Standard	VDMTREV	9/17/98
	75 Hz	112.5 kHz	297.000 MHz	VESA Standard	VDMTREV	9/17/98
	120 Hz (RB)	182.9 kHz	380.500 MHz	CVT Red. Blanking	n/a	5/1/07

Pixel Format	Refresh Rate	Horizontal Frequency	Pixel Frequency	Standard Type	Original Document	Date
2048 x 1152	60 Hz (RB)	70.992 kHz	156.750 MHz	CVT Red. Blanking	VDMTREV	TBD
2560 x 1600	60 Hz (RB)	98.7 kHz	268.500 MHz	CVT Red. Blanking	CVT4.10MA-R	5/1/07
	60 Hz	99.5 kHz	348.500 MHz	CVT	CVT 4.10MA	5/1/07
	75 Hz	125.4 kHz	443.250 MHz	CVT	CVT 4.10MA	5/1/07
	85 Hz	142.9 kHz	505.250 MHz	CVT	CVT 4.10MA	5/1/07
	120 Hz (RB)	203.2 kHz	552.750 MHz	CVT Red. Blanking	n/a	5/1/07

2. DMT Standard Codes & IDs Summary

Table 2-1 includes a list of Display Monitor Timing Identification (DMT ID) codes, Standard (STD) Timing 2 byte codes and Coordinated Video Timing (CVT) 3 byte codes. A display may use these codes to indicated support for the associated DMT. Refer to the latest version of VESA's Enhanced Extended Display Identification (E-EDID) Standard for an explanation of how to derive the STD 2 byte codes and the CVT 3 byte codes. The letters "n/a" (not applicable) indicates that a STD 2 byte code and/or a CVT 3 byte code (DMT is not CVT compliant) cannot be created.

Table 2-1: Summary of DMT ID, STD 2 Byte & CVT 3 Byte Codes

Pixel		DMT ID	STD	CVT
Format	Refresh Rate	Codes	2 Byte Codes	3 Byte Codes
640 x 350	85 Hz	01h	n/a	n/a
640 x 400	85 Hz	02h	(31, 19)h	n/a
720 x 400	85 Hz	03h	n/a	n/a
640 x 480	60 Hz	04h	(31, 40)h	n/a
	72 Hz	05h	(31, 4C)h	n/a
	75 Hz	06h	(31, 4F)h	n/a
	85 Hz	07h	(31, 59)h	n/a
800 x 600	56 Hz	08h	n/a	n/a
	60 Hz	09h	(45, 40)h	n/a
	72 Hz	0Ah	(45, 4C)h	n/a
	75 Hz	0Bh	(45, 4F)h	n/a
	85 Hz	0Ch	(45, 59)h	n/a
	120 Hz (RB)	0Dh	n/a	n/a
848 x 480	60 Hz	0Eh	n/a	n/a
1024 x 768	43 Hz (Int.)	0Fh	n/a	n/a
	60 Hz	10h	(61, 40)h	n/a
	70 Hz	11h	(61, 4A)h	n/a
	75 Hz	12h	(61, 4F)h	n/a
	85 Hz	13h	(61, 59)h	n/a
	120 Hz (RB)	14h	n/a	n/a
1152 x 864	75 Hz	15h	(71, 4F)h	n/a
1280 x 720	60 Hz	55h	(81C0)h	n/a
1280 x 768	60 Hz(RB)	16h	n/a	(7F, 1C, 21)h
	60 Hz	17h	n/a	(7F, 1C, 28)h
	75 Hz	18h	n/a	(7F, 1C, 44)h
	85 Hz	19h	n/a	(7F, 1C, 62)h
	120 Hz (RB)	1Ah	n/a	n/a
1280 x 800	60 Hz (RB)	1Bh	n/a	(8F, 18, 21)h
	60 Hz	1Ch	(81, 00)h	(8F, 18, 28)h
	75 Hz	1Dh	(81, 0F)h	(8F, 18, 44)h
	85 Hz	1Eh	(81, 19)h	(8F, 18, 62)h
	120 Hz (RB)	1Fh	n/a	n/a
1280 x 960	60 Hz	20h	(81, 40)h	n/a
	85 Hz	21h	(81, 59)h	n/a
	120 Hz (RB)	22h	n/a	n/a

Pixel	Refresh Rate	DMT ID Codes	STD	CVT
Format 1280 x 1024	60 Hz	23h	2 Byte Codes (81, 80)h	3 Byte Codes n/a
1200 X 1024	75 Hz	24h	(81, 8F)h	n/a
	85 Hz	25h	(81, 99)h	n/a
	120 Hz (RB)	26h	n/a	n/a
1360 x 768	60 Hz	27h	n/a	n/a
	120 Hz (RB)	28h	n/a	n/a
1366 x 768	60 Hz	51h	n/a	n/a
1366 x 768	60 Hz(RB)	56h	n/a	n/a
1400 x 1050	60 Hz(RB)	29h	n/a	(0C, 20, 21)h
	60 Hz	2Ah	(90, 40)h	(0C, 20, 28)h
	75 Hz	2Bh	(90, 4F)h	(0C, 20, 44)h
	85 Hz	2Ch	(90, 59)h	(0C, 20, 62)h
	120 Hz (RB)	2Dh	n/a	n/a
1440 x 900	60 Hz(RB)	2Eh	n/a	(C1, 18, 21)h
	60 Hz	2Fh	(95, 00)h	(C1, 18, 28)h
	75 Hz	30h	(95, 0F)h	(C1, 18, 44)h
	85 Hz	31h	(95, 19)h	(C1, 18, 68)h
	120 Hz (RB)	32h	n/a	n/a
1600 x 900	60 Hz (RB)	53h	(A9, C0)h	n/a
1600 x 1200	60 Hz	33h	(A9, 40)h	n/a
	65 Hz	34h	(A9, 45)h	n/a
	70 Hz	35h	(A9, 4A)h	n/a
	75 Hz	36h	(A9, 4F)h	n/a
	85 Hz	37h	(A9, 59)h	n/a
	120 Hz (RB)	38h	n/a	n/a
1680 x 1050	60 Hz(RB)	39h	n/a	(0C, 28, 21)h
	60 Hz	3Ah	(B3, 00)h	(0C, 28, 28)h
	75 Hz	3Bh	(B3, 0F)h	(0C, 28, 44)h
	85 Hz	3Ch	(B3, 19)h	(0C, 28, 68)h
	120 Hz (RB)	3Dh	n/a	n/a
1792 x 1344	60 Hz	3Eh	(C1, 40)h	n/a
	75 Hz	3Fh	(C1, 4F)h	n/a
	120 Hz (RB)	40h	n/a	n/a
1856 x 1392	60 Hz	41h	(C9, 40)h	n/a
	75 Hz	42h	(C9, 4F)h	n/a
	120 Hz (RB)	43h	n/a	n/a
1920 x 1080	60 Hz	52h	(D1, C0)h	n/a
1920 x 1200	60 Hz(RB)	44h	n/a	(57, 28, 21)h
	60 Hz	45h	(D1, 00)h	(57, 28, 28)h
	75 Hz	46h	(D1, 0F)h	(57, 28, 44)h
	85 Hz	47h	(D1, 19)h	(57, 28, 62)h
	120 Hz (RB)	48h	n/a	n/a

Pixel		DMT ID	STD	CVT
Format	Refresh Rate	Codes	2 Byte Codes	3 Byte Codes
1920 x 1440	60 Hz	49h	(D1, 40)h	n/a
	75 Hz	4Ah	(D1, 4F)h	n/a
	120 Hz (RB)	4Bh	n/a	n/a
2048 x 1152	60 Hz (RB)	54h	(E1, C0)h	n/a
2560 x 1600	60 Hz (RB)	4Ch	n/a	(1F, 38, 21)h
	60 Hz	4Dh	n/a	(1F, 38, 28)h
	75 Hz	4Eh	n/a	(1F, 38, 44)h
	85 Hz	4Fh	n/a	(1F, 38, 62)h
	120 Hz (RB)	50h	n/a	n/a

Notes for Table 2-1:

1. The CVT 3 Byte Codes listed in Table 2-1 are unique and are assigned to one video timing mode that was generated using the CVT Formulas. A source may decode the CVT 3 Byte Code and determine the number of vertical lines, the aspect ratio, the number of horizontal pixels (calculated), the preferred vertical refresh rate, a single supported refresh rate and the blanking style.

For example, a source can decode the CVT 3 Byte Code, (7F, 1C, 44)h, with the following results: the number of vertical lines is 768, the aspect ratio is 15:9 AR, the number of horizontal pixels (calculated) is 1280, the preferred vertical refresh rate is 75 Hz, the supported vertical refresh rate is 75 Hz and the blanking style is standard (CRT style). Refer to VESA's E-EDID Standard (Release A, Revision 2) for an explanation on how to derive a CVT 3 Byte Code from the video timing mode parameters.

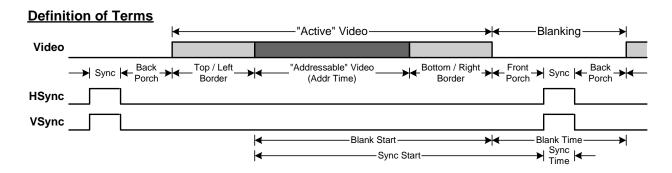
2. A display (receiver) manufacturer may use the CVT 3 Byte Code to indicate support for a fixed pixel format and one or more vertical refresh rates.

For example, a display may contain a CVT 3 Byte Code which indicates support for 1280 x 768 and support for 50 Hz, 60 Hz, 75 Hz & 85 Hz vertical refresh rates with 60 Hz being the preferred vertical refresh rate. In this case the CVT 3 Byte code would be (7F, 1C, 3E)h. When the source decodes the CVT 3 Byte code, (7F, 1C, 3E)h, it knows that the display supports 1280 x 768, along with 50 Hz, 60 Hz, 75 Hz & 85 Hz vertical refresh rates with 60 Hz being the preferred vertical refresh rate. The source should output 1280 x 768 at 60 Hz (standard CRT style blanking). The source also knows that the 60 Hz (reduced blanking) is not supported in the display. Refer to VESA E-EDID Standard (Release A, Revision 2) for an explanation on how to derive a CVT 3 Byte Code from the video timing mode parameters.

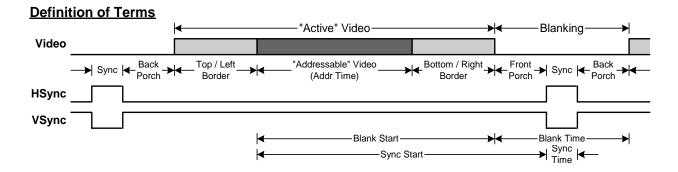
3. DMT Video Timing Parameter Definitions:

Section 3 includes a list of drawings that define the video timing parameters for all DMTs defined in this standard. There are four drawings based on the possible combinations of positive and negative horizontal and vertical syncs.

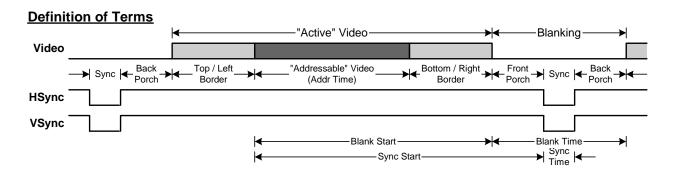
3.1 DMT Video Timing Parameter Definitions - Positive H & Positive V Syncs:



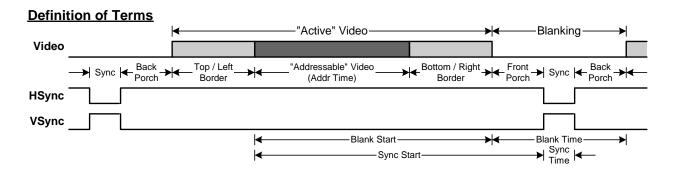
3.2 DMT Video Timing Parameter Definitions - Positive H & Negative V Syncs:



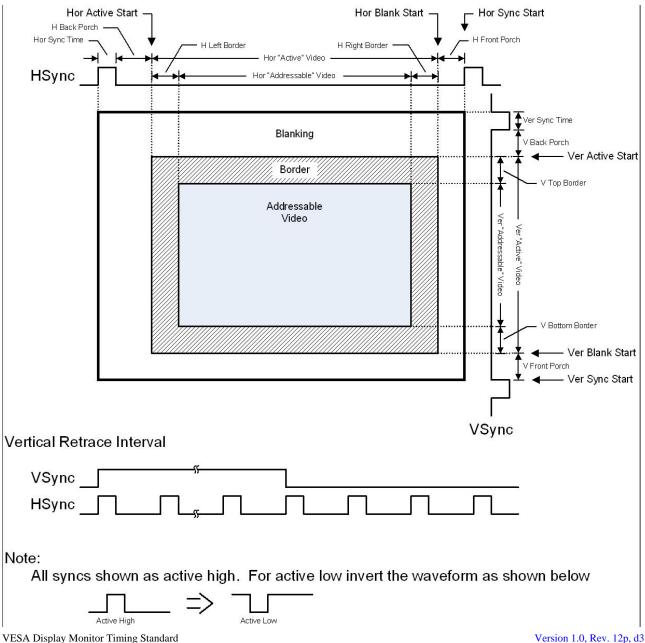
3.3 DMT Video Timing Parameter Definitions - Negative H & Negative V Syncs:



3.4 DMT Video Timing Parameter Definitions - Negative H & Positive V Syncs:



3.5 DMT Video Timing Parameter Definitions - Total Frame Timing:



4. DMT Timing Specifications

Section 4 includes a list of detailed timing parameters for all DMTs defined in this standard.

Adopted: 3/1/96

Resolution: 640 x 350 at 85 Hz (non-interlaced)

EDID ID: DMT ID: 01h; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 640 \times 350 @ 85Hz;
                                      // Pixels
Hor Pixels
                    = 640:
Ver Pixels
                                      // Lines
                    = 350:
                    = 37.861;
                                      // kHz
Hor Frequency
                                                       26.4 usec
                                                                   / line
Ver Frequency
                    = 85.080;
                                      // Hz
                                                 =
                                                       11.8 msec
                                                                   / frame
Pixel Clock
                    = 31.500;
                                      // MHz
                                                 =
                                                       31.7 nsec
                                                                      \pm 0.5\%
Character Width
                    = 8;
                                      // Pixels
                                                     254.0 nsec
Scan Type
                                                        // H Phase =
                                                                         3.8 %
                    = NONINTERLACED;
Hor Sync Polarity
                    = POSITIVE: // HBlank = 23.1% of HTotal
Ver Sync Polarity
                                                     21.3% of VTotal
                    = NEGATIVE; // VBlank =
Hor Total Time
                    = 26.413;
                                                        104 chars =
                                                                        832 Pixels
                                      // (usec)
Hor Addr Time
                                                        80 \text{ chars} =
                                                                        640 Pixels
                    = 20.317;
                                      // (usec)
                                                 =
Hor Blank Start
                    = 20.317;
                                      // (usec)
                                                 =
                                                        80
                                                            chars =
                                                                        640 Pixels
Hor Blank Time
                    = 6.095;
                                      // (usec)
                                                        24
                                                            chars =
                                                                        192 Pixels
                                                 =
Hor Sync Start
                    = 21.333;
                                      // (usec)
                                                        84 \text{ chars} =
                                                                        672 Pixels
                                                 =
// H Right Border
                                                          0
                    = 0.000;
                                      // (usec)
                                                            chars =
                                                                          0 Pixels
                                                 =
// H Front Porch
                    = 1.016:
                                      // (usec)
                                                          4
                                                            chars =
                                                                         32 Pixels
                                                 =
Hor Sync Time
                    = 2.032;
                                      // (usec)
                                                          8 \text{ chars} =
                                                                         64 Pixels
                                                 =
// H Back Porch
                    = 3.048;
                                                                         96 Pixels
                                      // (usec)
                                                 =
                                                        12 \text{ chars} =
// H Left Border
                    = 0.000;
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                          0 Pixels
                                                 =
Ver Total Time
                                                                     HT - (1.06xHA)
                    = 11.754:
                                      // (msec)
                                                       445 lines
Ver Addr Time
                    = 9.244:
                                      // (msec)
                                                       350 lines
                                                                          = 4.88
Ver Blank Start
                    = 9.244;
                                                       350 lines
                                      // (msec)
Ver Blank Time
                    = 2.509:
                                      // (msec)
                                                 =
                                                        95 lines
Ver Sync Start
                    = 10.090:
                                      // (msec)
                                                       382 lines
// V Bottom Border = 0.000:
                                      // (msec)
                                                         0 lines
// V Front Porch
                    = 0.845:
                                      // (msec)
                                                        32 lines
                                                 =
Ver Svnc Time
                    = 0.079:
                                      // (msec)
                                                 =
                                                          3 lines
// V Back Porch
                    = 1.585;
                                      // (msec)
                                                 =
                                                        60 lines
// V Top Border
                    = 0.000;
                                                          0 lines
                                      // (msec)
```

Adopted: 3/1/96

Resolution: 640 x 400 at 85 Hz (non-interlaced)

EDID ID: DMT ID: 02h; STD 2 Byte Code: (31, 19)h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 640 \times 400 @ 85Hz;
Hor Pixels
                    = 640:
                                      // Pixels
Ver Pixels
                    = 400:
                                      // Lines
Hor Frequency
                    = 37.861:
                                      // kHz
                                                      26.4 usec
                                                                   / line
Ver Frequency
                    = 85.080;
                                      // Hz
                                                       11.8 msec
                                                                   / frame
Pixel Clock
                    = 31.500;
                                      // MHz
                                                      31.7 nsec
                                                                     \pm 0.5\%
                                                 =
Character Width
                    = 8:
                                      // Pixels
                                                     254.0 nsec
Scan Type
                    = NONINTERLACED;
                                                        // H Phase =
                                                                         3.8 %
Hor Sync Polarity
                    = NEGATIVE: // HBlank = 23.1% of HTotal
Ver Sync Polarity
                    = POSITIVE: // VBlank =
                                                    10.1% of VTotal
Hor Total Time
                    = 26.413:
                                      // (usec)
                                                 =
                                                       104 \text{ chars} =
                                                                        832 Pixels
Hor Addr Time
                    = 20.317:
                                      // (usec)
                                                        80 \text{ chars} =
                                                                        640 Pixels
                                                 =
Hor Blank Start
                                                        80 \text{ chars} =
                    = 20.317:
                                      // (usec)
                                                 =
                                                                        640 Pixels
Hor Blank Time
                                                                        192 Pixels
                    = 6.095:
                                      // (usec)
                                                        24 chars =
                                                 =
Hor Sync Start
                                                        84
                                                            chars =
                                                                        672 Pixels
                    = 21.333;
                                      // (usec)
// H Right Border
                    = 0.000:
                                      // (usec)
                                                 =
                                                         0
                                                            chars =
                                                                          0 Pixels
// H Front Porch
                                                            chars =
                                                                         32 Pixels
                    = 1.016;
                                      // (usec)
                                                         4
                                                 =
Hor Sync Time
                                      // (usec)
                                                         8 \text{ chars} =
                                                                         64 Pixels
                    = 2.032;
                                                 =
// H Back Porch
                    = 3.048:
                                      // (usec)
                                                            chars =
                                                                         96 Pixels
                                                 =
                                                        12
// H Left Border
                                                         \mathbf{0} chars =
                                                                          0 Pixels
                    = 0.000;
                                      // (usec)
                                                 =
Ver Total Time
                    = 11.754;
                                      // (msec)
                                                       445 lines
                                                                     HT - (1.06xHA)
                                                 =
Ver Addr Time
                    = 10.565:
                                      // (msec)
                                                       400 lines
                                                                          = 4.88
                                                 =
Ver Blank Start
                    = 10.565:
                                                       400 lines
                                      // (msec)
                                                 =
Ver Blank Time
                    = 1.189:
                                      // (msec)
                                                        45 lines
Ver Sync Start
                    = 10.591;
                                      // (msec)
                                                 =
                                                       401 lines
// V Bottom Border = 0.000;
                                                         0 lines
                                      // (msec)
                                                 =
// V Front Porch
                    = 0.026;
                                      // (msec)
                                                 =
                                                         1 lines
Ver Sync Time
                    = 0.079;
                                      // (msec)
                                                         3 lines
                                                 =
// V Back Porch
                    = 1.083;
                                      // (msec)
                                                        41 lines
                                                 =
// V Top Border
                    = 0.000:
                                      // (msec)
                                                         0 lines
                                                 =
```

Adopted: 3/1/96

Resolution: 720 x 400 at 85 Hz (non-interlaced)

EDID ID: DMT ID: 03h; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
= 720 \times 400 @ 85Hz;
Timing Name
Hor Pixels
                    = 720:
                                      // Pixels
Ver Pixels
                    = 400:
                                      // Lines
                    = 37.927:
Hor Frequency
                                      // kHz
                                                       26.4 usec
                                                                    / line
Ver Frequency
                    = 85.039;
                                      // Hz
                                                       11.8 msec
                                                                    / frame
Pixel Clock
                    = 35.500;
                                      // MHz
                                                       28.2 nsec
                                                                      \pm 0.5\%
Character Width
                                                      253.5 nsec
                    = 9:
                                      // Pixels
                                                        // H Phase =
Scan Type
                    = NONINTERLACED;
                                                                         3.8 %
Hor Sync Polarity
                    = NEGATIVE: // HBlank =
                                                     23.1% of HTotal
Ver Sync Polarity
                    = POSITIVE; // VBlank =
                                                     10.3% of VTotal
Hor Total Time
                                                                         936 Pixels
                    = 26.366;
                                      // (usec)
                                                  =
                                                        104 \text{ chars} =
Hor Addr Time
                    = 20.282;
                                      // (usec)
                                                         80 \text{ chars} =
                                                                         720 Pixels
Hor Blank Start
                    = 20.282:
                                                         80 \text{ chars} =
                                                                         720 Pixels
                                      // (usec)
                                                  =
Hor Blank Time
                    = 6.085:
                                      // (usec)
                                                         24 \text{ chars} =
                                                                         216 Pixels
                                                  =
Hor Svnc Start
                    = 21.296:
                                      // (usec)
                                                         84 \text{ chars} =
                                                                         756 Pixels
// H Right Border
                                                          0
                                                             chars =
                                                                           0 Pixels
                    = 0.000:
                                      // (usec)
// H Front Porch
                    = 1.014:
                                      // (usec)
                                                          4
                                                             chars =
                                                                          36 Pixels
                                                  =
Hor Svnc Time
                    = 2.028:
                                      // (usec)
                                                          8 \text{ chars} =
                                                                          72 Pixels
                                                 =
// H Back Porch
                    = 3.042:
                                      // (usec)
                                                         12 chars =
                                                                         108 Pixels
// H Left Border
                                                                           0 Pixels
                    = 0.000;
                                      // (usec)
                                                          \mathbf{0} chars =
Ver Total Time
                    = 11.759:
                                      // (msec)
                                                        446 lines
                                                                      HT - (1.06xHA)
Ver Addr Time
                    = 10.546;
                                      // (msec)
                                                        400 lines
                                                                           = 4.87
Ver Blank Start
                    = 10.546;
                                      // (msec)
                                                        400 lines
                                                 =
Ver Blank Time
                                                         46 lines
                    = 1.213:
                                      // (msec)
Ver Sync Start
                                                        401 lines
                    = 10.573;
                                      // (msec)
                                                 =
// V Bottom Border = 0.000;
                                      // (msec)
                                                          0 lines
                                                 =
// V Front Porch
                                      // (msec)
                                                          1 lines
                    = 0.026;
                                                 =
Ver Sync Time
                    = 0.079;
                                      // (msec)
                                                          3 lines
                                                  =
// V Back Porch
                    = 1.107;
                                      // (msec)
                                                         42 lines
                                                 =
// V Top Border
                    = 0.000;
                                      // (msec)
                                                          0 lines
                                                  =
```

Adopted: n/a ** For Reference Only - Not a VESA Standard **

Resolution: 640 x 480 at 60 Hz (non-interlaced)

EDID ID: DMT ID: 04h; STD 2 Byte Code: (31, 40)h; CVT 3 Byte Code: n/a BIOS Modes: 11h, 12h, 101h, 110h, 111h, & 112h (1, 4, 8, 15, 16, & 24 bpp)

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 640 \times 480 @ 60Hz:
Hor Pixels
                    = 640:
                                      // Pixels
Ver Pixels
                     = 480:
                                      // Lines
Hor Frequency
                     = 31.469:
                                      // kHz
                                                       31.8 usec
                                                                    / line
Ver Frequency
                     = 59.940;
                                                       16.7 msec
                                                                    / frame
                                      // Hz
                                                  =
Pixel Clock
                     = 25.175:
                                      // MHz
                                                       39.7 nsec
                                                                      \pm 0.5\%
Character Width
                     = 8:
                                      // Pixels
                                                      317.8 nsec
Scan Type
                     = NONINTERLACED:
                                                        // H Phase =
                                                                          2.0 %
Hor Sync Polarity
                     = NEGATIVE: // HBlank = 18.0% of HTotal
Ver Sync Polarity
                     = NEGATIVE: // VBlank =
                                                      5.5% of VTotal
Hor Total Time
                     = 31.778:
                                                        100 \text{ chars} =
                                                                         800 Pixels
                                      // (usec)
                     = 25.422:
Hor Addr Time
                                                         80 \text{ chars} =
                                                                         640 Pixels
                                      // (usec)
                                                  =
                     = 25.740;
                                                                         648 Pixels
Hor Blank Start
                                      // (usec)
                                                         81 \text{ chars} =
Hor Blank Time
                     = 5.720:
                                      // (usec)
                                                  =
                                                         18 \text{ chars} =
                                                                         144 Pixels
Hor Svnc Start
                     = 26.058:
                                      // (usec)
                                                         82 \text{ chars} =
                                                                         656 Pixels
// H Right Border
                     = 0.318:
                                      // (usec)
                                                          1 chars =
                                                                           8 Pixels
                                                  =
// H Front Porch
                     = 0.318;
                                      // (usec)
                                                  =
                                                          1 \text{ chars} =
                                                                           8 Pixels
Hor Sync Time
                                                                          96 Pixels
                     = 3.813;
                                      // (usec)
                                                         12 chars =
                                                  =
// H Back Porch
                     = 1.589;
                                      // (usec)
                                                          5 \text{ chars} =
                                                                          40 Pixels
                                                  =
// H Left Border
                     = 0.318:
                                      // (usec)
                                                  =
                                                          1 \text{ chars} =
                                                                           8 Pixels
Ver Total Time
                     = 16.683;
                                      // (msec)
                                                        525 lines
                                                                      HT - (1.06xHA)
Ver Addr Time
                     = 15.253;
                                      // (msec)
                                                        480 lines
                                                                           = 4.83
                                                  =
Ver Blank Start
                     = 15.507:
                                                        488 lines
                                      // (msec)
Ver Blank Time
                     = 0.922;
                                      // (msec)
                                                         29 lines
                                                  =
Ver Sync Start
                     = 15.571;
                                      // (msec)
                                                  =
                                                        490 lines
// V Bottom Border = 0.254;
                                      // (msec)
                                                  =
                                                          8 lines
// V Front Porch
                     = 0.064;
                                                          2 lines
                                      // (msec)
                                                  =
Ver Sync Time
                     = 0.064;
                                      // (msec)
                                                          2 lines
                                                  =
// V Back Porch
                     = 0.794;
                                                         25 lines
                                      // (msec)
                                                  =
// V Top Border
                     = 0.254;
                                      // (msec)
                                                          8 lines
```

Adopted: 11/11/90 (VESA #901101)

Resolution: 640 x 480 at 72 Hz (non-interlaced)

EDID ID: DMT ID: 05h; STD 2 Byte Code: (31, 4C)h; CVT 3 Byte Code: n/a BIOS Modes: 11h, 12h, 101h, 110h, 111h, & 112h (1, 4, 8, 15, 16, & 24 bpp)

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 640 \times 480 @ 72Hz:
Hor Pixels
                    = 640:
                                      // Pixels
Ver Pixels
                    = 480:
                                      // Lines
                    = 37.861:
Hor Frequency
                                      // kHz
                                                       26.4 usec
                                                                   / line
Ver Frequency
                    = 72.809;
                                                       13.7 msec
                                                                   / frame
                                      // Hz
                                                 =
Pixel Clock
                    = 31.500:
                                      // MHz
                                                       31.7 nsec
                                                                      \pm 0.5\%
Character Width
                    = 8:
                                      // Pixels
                                                      254.0 nsec
Scan Type
                    = NONINTERLACED:
                                                        // H Phase =
                                                                         6.3 %
Hor Sync Polarity
                    = NEGATIVE: // HBlank = 21.2% of HTotal
Ver Sync Polarity
                    = NEGATIVE: // VBlank =
                                                      4.6% of VTotal
Hor Total Time
                    = 26.413:
                                                        104 \text{ chars} =
                                      // (usec)
                                                                        832 Pixels
Hor Addr Time
                    = 20.317:
                                                         80 \text{ chars} =
                                                                        640 Pixels
                                      // (usec)
                                                 =
                                                                        648 Pixels
Hor Blank Start
                    = 20.571:
                                      // (usec)
                                                         81 \text{ chars} =
Hor Blank Time
                    = 5.587:
                                      // (usec)
                                                 =
                                                         22 \text{ chars} =
                                                                        176 Pixels
Hor Svnc Start
                    = 21.079:
                                      // (usec)
                                                         83 \text{ chars} =
                                                                        664 Pixels
// H Right Border
                    = 0.254:
                                      // (usec)
                                                          1 chars =
                                                                           8 Pixels
                                                 =
// H Front Porch
                    = 0.508;
                                      // (usec)
                                                 =
                                                          2
                                                             chars =
                                                                          16 Pixels
Hor Sync Time
                    = 1.270;
                                                          5
                                      // (usec)
                                                             chars =
                                                                         40 Pixels
                                                 =
// H Back Porch
                    = 3.810;
                                      // (usec)
                                                         15 chars =
                                                                         120 Pixels
                                                 =
// H Left Border
                    = 0.254:
                                      // (usec)
                                                 =
                                                          1 \text{ chars} =
                                                                           8 Pixels
Ver Total Time
                    = 13.735;
                                      // (msec)
                                                        520 lines
                                                                      HT - (1.06xHA)
Ver Addr Time
                    = 12.678;
                                      // (msec)
                                                        480 lines
                                                                          = 4.88
                                                 =
Ver Blank Start
                    = 12.889:
                                                       488 lines
                                      // (msec)
Ver Blank Time
                    = 0.634;
                                      // (msec)
                                                        24 lines
                                                 =
Ver Sync Start
                    = 12.916;
                                      // (msec)
                                                 =
                                                        489 lines
// V Bottom Border = 0.211;
                                      // (msec)
                                                 =
                                                          8 lines
// V Front Porch
                    = 0.026;
                                      // (msec)
                                                 =
                                                          1 lines
Ver Sync Time
                    = 0.079;
                                      // (msec)
                                                          3 lines
                                                 =
// V Back Porch
                    = 0.528;
                                                         20 lines
                                      // (msec)
                                                 =
// V Top Border
                    = 0.211;
                                      // (msec)
                                                          8 lines
```

Adopted: 10/4/93

Resolution: 640 x 480 at 75 Hz (non-interlaced)

EDID ID: DMT ID: 06h; STD 2 Byte Code: (31, 4F)h; CVT 3 Byte Code: n/a BIOS Modes: 11h, 12h, 101h, 110h, 111h, & 112h (1, 4, 8, 15, 16, & 24 bpp)

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 640 \times 480 @ 75Hz:
Hor Pixels
                    = 640:
                                      // Pixels
Ver Pixels
                     = 480:
                                      // Lines
                     = 37.500:
Hor Frequency
                                      // kHz
                                                       26.7 usec
                                                                    / line
Ver Frequency
                     = 75.000;
                                                        13.3 msec
                                                                    / frame
                                      // Hz
                                                  =
Pixel Clock
                     = 31.500:
                                      // MHz
                                                        31.7 nsec
                                                                       \pm 0.5\%
                                                  =
Character Width
                     = 8:
                                      // Pixels
                                                      254.0 nsec
Scan Type
                     = NONINTERLACED:
                                                        // H Phase =
                                                                          6.2 %
Hor Sync Polarity
                     = NEGATIVE: // HBlank = 23.8% of HTotal
Ver Sync Polarity
                     = NEGATIVE: // VBlank =
                                                      4.0% of VTotal
Hor Total Time
                                                        105 \text{ chars} =
                                                                         840 Pixels
                     = 26.667:
                                      // (usec)
Hor Addr Time
                                                                         640 Pixels
                     = 20.317:
                                      // (usec)
                                                         80 \text{ chars} =
                                                  =
Hor Blank Start
                     = 20.317:
                                      // (usec)
                                                         80 \text{ chars} =
                                                                         640 Pixels
Hor Blank Time
                     = 6.349:
                                      // (usec)
                                                  =
                                                         25 \text{ chars} =
                                                                         200 Pixels
Hor Svnc Start
                     = 20.825:
                                      // (usec)
                                                         82 \text{ chars} =
                                                                         656 Pixels
// H Right Border
                     = 0.000:
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
// H Front Porch
                     = 0.508;
                                      // (usec)
                                                  =
                                                          2 \text{ chars} =
                                                                          16 Pixels
Hor Sync Time
                     = 2.032;
                                      // (usec)
                                                          8
                                                             chars =
                                                                          64 Pixels
                                                  =
// H Back Porch
                     = 3.810;
                                      // (usec)
                                                         15 chars =
                                                                         120 Pixels
                                                  =
// H Left Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                          \mathbf{0} chars =
                                                                           0 Pixels
Ver Total Time
                     = 13.333;
                                      // (msec)
                                                        500 lines
                                                                      HT - (1.06xHA)
Ver Addr Time
                     = 12.800;
                                      // (msec)
                                                        480 lines
                                                                           = 5.13
                                                  =
Ver Blank Start
                     = 12.800:
                                                        480 lines
                                      // (msec)
Ver Blank Time
                     = 0.533;
                                      // (msec)
                                                  =
                                                         20 lines
Ver Sync Start
                     = 12.827;
                                      // (msec)
                                                  =
                                                        481 lines
// V Bottom Border = 0.000;
                                      // (msec)
                                                  =
                                                          0 lines
// V Front Porch
                     = 0.027;
                                      // (msec)
                                                  =
                                                          1 lines
Ver Sync Time
                     = 0.080;
                                      // (msec)
                                                          3 lines
                                                  =
// V Back Porch
                     = 0.427;
                                                         16 lines
                                      // (msec)
                                                  =
// V Top Border
                     = 0.000:
                                      // (msec)
                                                          0 lines
```

Adopted: 3/1/96

Resolution: 640 x 480 at 85 Hz (non-interlaced)

EDID ID: DMT ID: 07h; STD 2 Byte Code: (31, 59)h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 640 \times 480 @ 85Hz;
                                     // Pixels
Hor Pixels
                    = 640:
Ver Pixels
                    = 480:
                                     // Lines
                    = 43.269;
                                     // kHz
Hor Frequency
                                                      23.1 usec
                                                                   / line
Ver Frequency
                    = 85.008;
                                     // Hz
                                                 =
                                                      11.8 msec
                                                                  / frame
Pixel Clock
                    = 36.000;
                                     // MHz
                                                      27.8 nsec
                                                                     \pm 0.5\%
                                                 =
Character Width
                    = 8;
                                     // Pixels
                                                     222.2 nsec
Scan Type
                                                       // H Phase =
                                                                        1.4 %
                    = NONINTERLACED;
Hor Sync Polarity
                    = NEGATIVE; // HBlank = 23.1% of HTotal
Ver Sync Polarity
                                                     5.7% of VTotal
                    = NEGATIVE; // VBlank =
Hor Total Time
                    = 23.111;
                                                       104 chars =
                                                                       832 Pixels
                                     // (usec)
Hor Addr Time
                    = 17.778;
                                                        80 \text{ chars} =
                                                                       640 Pixels
                                     // (usec)
                                                 =
Hor Blank Start
                    = 17.778;
                                     // (usec)
                                                 =
                                                        80
                                                            chars =
                                                                       640 Pixels
Hor Blank Time
                    = 5.333;
                                     // (usec)
                                                        24
                                                            chars =
                                                                       192 Pixels
                                                 =
                                                                       696 Pixels
Hor Sync Start
                    = 19.333;
                                     // (usec)
                                                        87 \text{ chars} =
                                                 =
// H Right Border
                                                         0
                    = 0.000;
                                     // (usec)
                                                            chars =
                                                                          0 Pixels
                                                 =
// H Front Porch
                    = 1.556;
                                     // (usec)
                                                         7
                                                            chars =
                                                                         56 Pixels
                                                 =
Hor Sync Time
                    = 1.556;
                                     // (usec)
                                                         7
                                                            chars =
                                                                         56 Pixels
                                                 =
// H Back Porch
                    = 2.222:
                                                                         80 Pixels
                                     // (usec)
                                                 =
                                                        10 chars =
// H Left Border
                    = 0.000;
                                     // (usec)
                                                         \mathbf{0} chars =
                                                                          0 Pixels
Ver Total Time
                                                                     HT - (1.06xHA)
                    = 11.764;
                                     // (msec)
                                                       509 lines
Ver Addr Time
                    = 11.093:
                                                       480 lines
                                     // (msec)
                                                                          = 4.27
Ver Blank Start
                                                       480 lines
                    = 11.093;
                                     // (msec)
Ver Blank Time
                    = 0.670:
                                     // (msec)
                                                 =
                                                        29 lines
Ver Sync Start
                    = 11.116:
                                     // (msec)
                                                       481 lines
// V Bottom Border = 0.000:
                                     // (msec)
                                                         0 lines
// V Front Porch
                    = 0.023:
                                     // (msec)
                                                         1 lines
                                                 =
Ver Svnc Time
                    = 0.069:
                                     // (msec)
                                                 =
                                                         3 lines
// V Back Porch
                    = 0.578;
                                     // (msec)
                                                 =
                                                        25 lines
// V Top Border
                                                         0 lines
                    = 0.000;
                                     // (msec)
```

Adopted: 8/7/90 (VESA #900601)

Resolution: 800 x 600 at 56 Hz (non-interlaced)

EDID ID: DMT ID: 08h; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a BIOS Modes: 102h, 103h, 113h, 114h, & 115h (4, 8, 15, 16, & 24 bpp)

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 800 \times 600 @ 56Hz:
Hor Pixels
                    = 800:
                                      // Pixels
Ver Pixels
                     = 600:
                                      // Lines
                     = 35.156;
Hor Frequency
                                      // kHz
                                                       28.4 usec
                                                                    / line
Ver Frequency
                     = 56.250;
                                                       17.8 msec
                                                                   / frame
                                      // Hz
                                                  =
Pixel Clock
                     = 36.000:
                                      // MHz
                                                       27.8 nsec
                                                                      \pm 0.5\%
Character Width
                     = 8:
                                      // Pixels
                                                      222.2 nsec
Scan Type
                     = NONINTERLACED:
                                                        // H Phase =
                                                                         5.1 %
Hor Sync Polarity
                     = POSITIVE:
                                      // HBlank = 21.9% of HTotal
Ver Sync Polarity
                     = POSITIVE:
                                      // VBlank =
                                                      4.0% of VTotal
Hor Total Time
                     = 28.444:
                                                        128 chars =
                                      // (usec)
                                                                       1024 Pixels
Hor Addr Time
                     = 22.222:
                                                                        800 Pixels
                                      // (usec)
                                                        100 \text{ chars} =
                                                 =
                                                                        800 Pixels
                     = 22.222:
Hor Blank Start
                                      // (usec)
                                                        100 \text{ chars} =
Hor Blank Time
                     = 6.222:
                                      // (usec)
                                                         28 \text{ chars} =
                                                                        224 Pixels
Hor Svnc Start
                     = 22.889:
                                      // (usec)
                                                  =
                                                        103 \text{ chars} =
                                                                        824 Pixels
// H Right Border
                     = 0.000:
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
// H Front Porch
                                                                          24 Pixels
                     = 0.667;
                                      // (usec)
                                                 =
                                                          3
                                                            chars =
Hor Sync Time
                                                          9
                                                                          72 Pixels
                     = 2.000;
                                      // (usec)
                                                             chars =
                                                  =
// H Back Porch
                     = 3.556;
                                      // (usec)
                                                         16 chars =
                                                                         128 Pixels
                                                  =
// H Left Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                          \mathbf{0} chars =
                                                                           0 Pixels
Ver Total Time
                     = 17.778;
                                      // (msec)
                                                        625 lines
                                                                      HT - (1.06xHA)
                                                                           =4.89
Ver Addr Time
                     = 17.067;
                                      // (msec)
                                                        600 lines
                                                 =
Ver Blank Start
                     = 17.067:
                                                        600 lines
                                      // (msec)
Ver Blank Time
                     = 0.711;
                                      // (msec)
                                                         25 lines
                                                 =
Ver Sync Start
                     = 17.095;
                                      // (msec)
                                                 =
                                                        601 lines
// V Bottom Border = 0.000;
                                                          0 lines
                                      // (msec)
                                                 =
// V Front Porch
                     = 0.028;
                                      // (msec)
                                                 =
                                                          1 lines
Ver Sync Time
                     = 0.057;
                                      // (msec)
                                                          2 lines
                                                 =
// V Back Porch
                     = 0.626;
                                      // (msec)
                                                         22 lines
                                                 =
// V Top Border
                     = 0.000:
                                      // (msec)
                                                          0 lines
```

Adopted: 8/7/90 (VESA #900602)

Resolution: 800 x 600 at 60 Hz (non-interlaced)

EDID ID: DMT ID: 09h; STD 2 Byte Code: (45, 40)h; CVT 3 Byte Code: n/a

BIOS Modes: 102h, 103h, 113h, 114h, & 115h (4, 8, 15, 16, & 24 bpp)

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 800 \times 600 @ 60Hz:
Hor Pixels
                    = 800:
                                      // Pixels
Ver Pixels
                     = 600;
                                      // Lines
                     = 37.879:
Hor Frequency
                                      // kHz
                                                        26.4 usec
                                                                     / line
Ver Frequency
                     = 60.317;
                                                        16.6 msec
                                                                    / frame
                                      // Hz
                                                  =
Pixel Clock
                     = 40.000:
                                      // MHz
                                                        25.0 nsec
                                                                       \pm 0.5\%
Character Width
                     = 8:
                                      // Pixels
                                                      200.0 nsec
Scan Type
                     = NONINTERLACED:
                                                         // H Phase =
                                                                          2.3 %
Hor Sync Polarity
                     = POSITIVE:
                                      // HBlank = 24.2% of HTotal
Ver Sync Polarity
                     = POSITIVE:
                                      // VBlank =
                                                       4.5% of VTotal
Hor Total Time
                     = 26.400:
                                                        132 \text{ chars} =
                                      // (usec)
                                                                        1056 Pixels
Hor Addr Time
                     = 20.000:
                                                                         800 Pixels
                                      // (usec)
                                                        100 \text{ chars} =
                                                  =
Hor Blank Start
                     = 20.000:
                                      // (usec)
                                                        100 \text{ chars} =
                                                                         800 Pixels
Hor Blank Time
                     = 6.400:
                                      // (usec)
                                                  =
                                                         32 \text{ chars} =
                                                                         256 Pixels
Hor Svnc Start
                     = 21.000:
                                      // (usec)
                                                  =
                                                         105 \text{ chars} =
                                                                         840 Pixels
// H Right Border
                     = 0.000:
                                      // (usec)
                                                           \mathbf{0} chars =
                                                                            0 Pixels
                                                  =
// H Front Porch
                                      // (usec)
                                                                           40 Pixels
                     = 1.000;
                                                  =
                                                           5 \text{ chars} =
Hor Sync Time
                                                                          128 Pixels
                     = 3.200;
                                      // (usec)
                                                          16 chars =
                                                  =
// H Back Porch
                     = 2.200;
                                      // (usec)
                                                         11 chars =
                                                                           88 Pixels
                                                  =
// H Left Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                           \mathbf{0} chars =
                                                                            0 Pixels
Ver Total Time
                     = 16.579;
                                      // (msec)
                                                        628 lines
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 15.840;
                                      // (msec)
                                                        600 lines
                                                                            = 5.2
                                                  =
                     = 15.840:
Ver Blank Start
                                                        600 lines
                                      // (msec)
Ver Blank Time
                     = 0.739;
                                      // (msec)
                                                         28 lines
                                                  =
Ver Sync Start
                     = 15.866;
                                      // (msec)
                                                  =
                                                        601 lines
// V Bottom Border = 0.000;
                                                           0 lines
                                      // (msec)
                                                  =
// V Front Porch
                     = 0.026;
                                      // (msec)
                                                  =
                                                           1 lines
Ver Sync Time
                     = 0.106;
                                      // (msec)
                                                           4 lines
                                                  =
// V Back Porch
                     = 0.607;
                                                          23 lines
                                      // (msec)
                                                  =
// V Top Border
                     = 0.000:
                                      // (msec)
                                                           0 lines
```

Adopted: 9/10/91 (VESA #900603A)

Resolution: 800 x 600 at 72 Hz (non-interlaced)

EDID ID: DMT ID: 0Ah; STD 2 Byte Code: (45, 4C)h; CVT 3 Byte Code: n/a

BIOS Modes: 102h, 103h, 113h, 114h, & 115h (4, 8, 15, 16, & 24 bpp)

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 800 \times 600 @ 72Hz:
Hor Pixels
                    = 800:
                                      // Pixels
Ver Pixels
                     = 600:
                                      // Lines
                     = 48.077;
Hor Frequency
                                      // kHz
                                                        20.8 usec
                                                                     / line
Ver Frequency
                                                        13.9 msec
                     = 72.188;
                                                                    / frame
                                      // Hz
                                                  =
Pixel Clock
                     = 50.000;
                                      // MHz
                                                        20.0 nsec
                                                                       \pm 0.5\%
Character Width
                     = 8:
                                      // Pixels
                                                      160.0 nsec
Scan Type
                     = NONINTERLACED:
                                                         // H Phase =
                                                                          0.4 %
Hor Sync Polarity
                     = POSITIVE:
                                      // HBlank = 23.1% of HTotal
Ver Sync Polarity
                     = POSITIVE:
                                      // VBlank =
                                                       9.9% of VTotal
Hor Total Time
                     = 20.800:
                                                        130 \text{ chars} =
                                                                        1040 Pixels
                                      // (usec)
Hor Addr Time
                     = 16.000:
                                                                         800 Pixels
                                      // (usec)
                                                        100 \text{ chars} =
                                                  =
Hor Blank Start
                     = 16.000:
                                      // (usec)
                                                         100 \text{ chars} =
                                                                         800 Pixels
Hor Blank Time
                     = 4.800:
                                      // (usec)
                                                         30 \text{ chars} =
                                                                         240 Pixels
Hor Svnc Start
                     = 17.120:
                                      // (usec)
                                                  =
                                                         107 \text{ chars} =
                                                                         856 Pixels
// H Right Border
                     = 0.000:
                                      // (usec)
                                                           \mathbf{0} chars =
                                                                            0 Pixels
                                                  =
// H Front Porch
                                      // (usec)
                     = 1.120;
                                                  =
                                                           7
                                                             chars =
                                                                           56 Pixels
Hor Sync Time
                     = 2.400;
                                                                          120 Pixels
                                      // (usec)
                                                          15
                                                             chars =
                                                  =
// H Back Porch
                     = 1.280;
                                      // (usec)
                                                           8 \text{ chars} =
                                                                           64 Pixels
                                                  =
// H Left Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                           \mathbf{0} chars =
                                                                            0 Pixels
Ver Total Time
                     = 13.853;
                                      // (msec)
                                                        666 lines
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 12.480;
                                      // (msec)
                                                        600 lines
                                                                            = 3.84
                                                  =
Ver Blank Start
                     = 12.480:
                                                        600 lines
                                      // (msec)
Ver Blank Time
                     = 1.373;
                                      // (msec)
                                                  =
                                                         66 lines
Ver Sync Start
                     = 13.250;
                                      // (msec)
                                                  =
                                                        637 lines
// V Bottom Border = 0.000;
                                                           0 lines
                                      // (msec)
                                                  =
// V Front Porch
                     = 0.770;
                                                          37 lines
                                      // (msec)
                                                  =
Ver Sync Time
                     = 0.125;
                                      // (msec)
                                                           6 lines
                                                  =
// V Back Porch
                     = 0.478;
                                                          23 lines
                                      // (msec)
                                                  =
// V Top Border
                     = 0.000:
                                      // (msec)
                                                           0 lines
```

Adopted: 10/4/93

Resolution: 800 x 600 at 75 Hz (non-interlaced)

EDID ID: DMT ID: 0Bh; STD 2 Byte Code: (45, 4F)h; CVT 3 Byte Code: n/a

BIOS Modes: 102h, 103h, 113h, 114h, & 115h (4, 8, 15, 16, & 24 bpp)

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 800 \times 600 @ 75Hz:
Hor Pixels
                    = 800:
                                      // Pixels
Ver Pixels
                     = 600:
                                      // Lines
Hor Frequency
                     = 46.875:
                                      // kHz
                                                       21.3 usec
                                                                    / line
Ver Frequency
                     = 75.000;
                                                        13.3 msec
                                                                    / frame
                                      // Hz
                                                  =
                     = 49.500;
Pixel Clock
                                      // MHz
                                                        20.2 nsec
                                                                       \pm 0.5\%
                                                  =
Character Width
                     = 8:
                                      // Pixels
                                                      161.6 nsec
Scan Type
                     = NONINTERLACED:
                                                         // H Phase =
                                                                          6.8 %
Hor Sync Polarity
                     = POSITIVE:
                                      // HBlank = 24.2% of HTotal
Ver Sync Polarity
                     = POSITIVE:
                                      // VBlank =
                                                       4.0% of VTotal
Hor Total Time
                     = 21.333:
                                                        132 \text{ chars} =
                                      // (usec)
                                                                        1056 Pixels
Hor Addr Time
                                                                         800 Pixels
                     = 16.162:
                                      // (usec)
                                                        100 \text{ chars} =
                                                  =
Hor Blank Start
                     = 16.162:
                                      // (usec)
                                                        100 \text{ chars} =
                                                                         800 Pixels
Hor Blank Time
                     = 5.172:
                                      // (usec)
                                                  =
                                                         32 \text{ chars} =
                                                                         256 Pixels
Hor Svnc Start
                     = 16.485:
                                      // (usec)
                                                  =
                                                         102 \text{ chars} =
                                                                         816 Pixels
// H Right Border
                     = 0.000:
                                      // (usec)
                                                           \mathbf{0} chars =
                                                                            0 Pixels
                                                  =
// H Front Porch
                     = 0.323;
                                      // (usec)
                                                  =
                                                           2 	ext{ chars} =
                                                                           16 Pixels
Hor Sync Time
                                                                          80 Pixels
                     = 1.616;
                                      // (usec)
                                                          10
                                                             chars =
                                                  =
// H Back Porch
                     = 3.232;
                                      // (usec)
                                                         20 chars =
                                                                          160 Pixels
                                                  =
// H Left Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                           \mathbf{0} chars =
                                                                            0 Pixels
Ver Total Time
                     = 13.333;
                                      // (msec)
                                                        625 lines
                                                                      HT - (1.06xHA)
Ver Addr Time
                     = 12.800:
                                      // (msec)
                                                        600 lines
                                                                            = 4.2
                                                  =
Ver Blank Start
                     = 12.800:
                                      // (msec)
                                                        600 lines
Ver Blank Time
                     = 0.533;
                                      // (msec)
                                                         25 lines
                                                  =
Ver Sync Start
                     = 12.821;
                                      // (msec)
                                                  =
                                                        601 lines
// V Bottom Border = 0.000;
                                                           0 lines
                                      // (msec)
                                                  =
// V Front Porch
                     = 0.021;
                                      // (msec)
                                                  =
                                                           1 lines
Ver Sync Time
                     = 0.064;
                                      // (msec)
                                                          3 lines
                                                  =
// V Back Porch
                     = 0.448:
                                                         21 lines
                                      // (msec)
                                                  =
// V Top Border
                     = 0.000:
                                      // (msec)
                                                           0 lines
```

Adopted: 3/1/96

Resolution: 800 x 600 at 85 Hz (non-interlaced)

EDID ID: DMT ID: 0Ch; STD 2 Byte Code: (45, 59)h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 800 \times 600 @ 85Hz:
Hor Pixels
                    = 800:
                                      // Pixels
Ver Pixels
                     = 600;
                                      // Lines
                     = 53.674;
Hor Frequency
                                      // kHz
                                                       18.6 usec
                                                                    / line
Ver Frequency
                     = 85.061:
                                                       11.8 msec
                                                                   / frame
                                      // Hz
                                                  =
Pixel Clock
                     = 56.250;
                                      // MHz
                                                       17.8 nsec
                                                                      \pm 0.5\%
                                                  =
Character Width
                     = 8:
                                      // Pixels
                                                      142.2 nsec
Scan Type
                     = NONINTERLACED:
                                                        // H Phase =
                                                                         5.7 %
Hor Sync Polarity
                     = POSITIVE:
                                      // HBlank = 23.7% of HTotal
Ver Sync Polarity
                     = POSITIVE:
                                      // VBlank =
                                                      4.9% of VTotal
Hor Total Time
                     = 18.631:
                                                        131 chars =
                                                                        1048 Pixels
                                      // (usec)
Hor Addr Time
                     = 14.222:
                                                                         800 Pixels
                                      // (usec)
                                                        100 \text{ chars} =
                                                  =
Hor Blank Start
                     = 14.222:
                                      // (usec)
                                                        100 \text{ chars} =
                                                                         800 Pixels
Hor Blank Time
                     = 4.409:
                                      // (usec)
                                                  =
                                                         31 \text{ chars} =
                                                                         248 Pixels
Hor Svnc Start
                     = 14.791:
                                      // (usec)
                                                  =
                                                        104 \text{ chars} =
                                                                         832 Pixels
// H Right Border
                     = 0.000:
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
                                                                          32 Pixels
// H Front Porch
                     = 0.569;
                                      // (usec)
                                                  =
                                                          4 chars =
Hor Sync Time
                                                                          64 Pixels
                     = 1.138;
                                      // (usec)
                                                          8
                                                             chars =
                                                  =
// H Back Porch
                     = 2.702;
                                      // (usec)
                                                         19 chars =
                                                                         152 Pixels
                                                  =
// H Left Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                          \mathbf{0} chars =
                                                                           0 Pixels
Ver Total Time
                     = 11.756;
                                      // (msec)
                                                        631 lines
                                                                      HT - (1.06xHA)
Ver Addr Time
                     = 11.179;
                                      // (msec)
                                                        600 lines
                                                                           = 3.56
                                                 =
Ver Blank Start
                     = 11.179:
                                                        600 lines
                                      // (msec)
Ver Blank Time
                     = 0.578;
                                      // (msec)
                                                         31 lines
                                                  =
Ver Sync Start
                     = 11.197;
                                      // (msec)
                                                 =
                                                        601 lines
// V Bottom Border = 0.000;
                                                          0 lines
                                      // (msec)
                                                 =
// V Front Porch
                     = 0.019;
                                      // (msec)
                                                  =
                                                          1 lines
Ver Sync Time
                     = 0.056;
                                      // (msec)
                                                          3 lines
                                                 =
// V Back Porch
                     = 0.503;
                                                         27 lines
                                      // (msec)
                                                  =
// V Top Border
                     = 0.000:
                                      // (msec)
                                                          0 lines
```

Adopted: 5/1/07

Resolution: 800 x 600 at 120 Hz (non-interlaced) REDUCED BLANKING EDID ID: DMT ID: 0Dh; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a

Method: Generated using CVT (Reduced Blanking) Formula

Detailed Timing Parameters

```
Timing Name
                        800 x 600 @ 120Hz CVT (Reduced Blanking);
                     = 800:
Hor Pixels
                                       // Pixels
Ver Pixels
                                       // Lines
                     = 600;
Hor Frequency
                     = 76.302:
                                       // kHz
                                                         13.1 usec
                                                                      / line
Ver Frequency
                     = 119.972;
                                                          8.3 msec
                                                                     / frame
                                       // Hz
                                                   =
Pixel Clock
                     = 73.250:
                                       // MHz
                                                   =
                                                         13.7 nsec
                                                                        \pm 0.5\%
Character Width
                                       // Pixels
                                                   =
                                                       109.2 nsec
                     = 8;
                     = NONINTERLACED;
Scan Type
                                                          // H Phase =
                                                                           1.7 %
                                                      16.7% of HTotal
Hor Sync Polarity
                     = POSITIVE;
                                       // HBlank =
Ver Svnc Polarity
                     = NEGATIVE
                                       // VBlank
                                                        5.7% of VTotal
                     = 13.106:
Hor Total Time
                                       // (usec)
                                                         120 \text{ chars} =
                                                                           960 Pixels
Hor Addr Time
                     = 10.922:
                                                                           800 Pixels
                                       // (usec)
                                                         100 \text{ chars} =
Hor Blank Start
                     = 10.922:
                                       // (usec)
                                                         100
                                                              chars =
                                                                           800 Pixels
Hor Blank Time
                     = 2.184:
                                       // (usec)
                                                          20
                                                              chars =
                                                                           160 Pixels
Hor Sync Start
                     = 11.577;
                                       // (usec)
                                                   =
                                                         106 \text{ chars} =
                                                                           848 Pixels
// H Right Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                            0
                                                              chars =
                                                                             0 Pixels
// H Front Porch
                     = 0.655;
                                       // (usec)
                                                              chars =
                                                                            48 Pixels
                                                   =
                                                            6
Hor Sync Time
                     = 0.437:
                                       // (usec)
                                                              chars =
                                                                            32 Pixels
// H Back Porch
                     = 1.092:
                                       // (usec)
                                                          10 \text{ chars} =
                                                                            80 Pixels
                                                   =
// H Left Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                            \mathbf{0} chars =
                                                                             0 Pixels
Ver Total Time
                     = 8.335:
                                       // (msec)
                                                         636 lines
                                                                        HT - (1.06xHA)
Ver Addr Time
                     = 7.863;
                                       // (msec)
                                                         600 lines
                                                                             = 1.53
                                                   =
Ver Blank Start
                     = 7.863:
                                       // (msec)
                                                   =
                                                         600 lines
Ver Blank Time
                     = 0.472;
                                       // (msec)
                                                          36 lines
                                                   =
Ver Sync Start
                     = 7.903;
                                       // (msec)
                                                         603 lines
// V Bottom Border
                                       // (msec)
                     = 0.000:
                                                   =
                                                            0 lines
// V Front Porch
                     = 0.039;
                                       // (msec)
                                                   =
                                                            3 lines
Ver Sync Time
                     = 0.052;
                                                            4 lines
                                       // (msec)
                                                   =
// V Back Porch
                     = 0.380;
                                       // (msec)
                                                          29 lines
                                                   =
// V Top Border
                     = 0.000:
                                                            0 lines
                                       // (msec)
```

Adopted: 8/21/03

Resolution: 848 x 480 at 60 Hz (non-interlaced)

EDID ID: DMT ID: 0Eh; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 848 \times 480 @ 60Hz;
Hor Pixels
                    = 848;
                                      // Pixels
Ver Pixels
                    = 480;
                                      // Lines
                    = 31.020;
                                      // kHz
Hor Frequency
                                                 =
                                                       32.2 usec
                                                                    / line
Ver Frequency
                    = 60.000;
                                                       16.7 msec
                                                                   / frame
                                      // Hz
                     = 33.750;
Pixel Clock
                                      // MHz
                                                       29.6 nsec
                                                                      \pm 0.5\%
Character Width
                    = 8;
                                      // Pixels
                                                      237.0 nsec
Scan Type
                                                        // H Phase =
                                                                         4.4 %
                    = NONINTERLACED;
Hor Sync Polarity
                     = POSITIVE:
                                      // HBlank = 22.1% of HTotal
Ver Sync Polarity
                    = POSITIVE;
                                      // VBlank =
                                                      7.2% of VTotal
Hor Total Time
                    = 32.237;
                                      // (usec)
                                                        136 chars =
                                                                        1088 Pixels
Hor Addr Time
                    = 25.126;
                                      // (usec)
                                                        106 \text{ chars} =
                                                                         848 Pixels
                                                 =
Hor Blank Start
                    = 25.126;
                                      // (usec)
                                                        106 \text{ chars} =
                                                                         848 Pixels
                                                 =
Hor Blank Time
                    = 7.111:
                                      // (usec)
                                                         30 \text{ chars} =
                                                                         240 Pixels
Hor Sync Start
                    = 25.600;
                                      // (usec)
                                                        108 \text{ chars} =
                                                                         864 Pixels
// H Right Border
                    = 0.000:
                                                          0 chars =
                                      // (usec)
                                                                           0 Pixels
                                                 =
// H Front Porch
                    = 0.474;
                                      // (usec)
                                                 =
                                                          2 \text{ chars} =
                                                                          16 Pixels
Hor Sync Time
                    = 3.319;
                                      // (usec)
                                                         14
                                                             chars =
                                                                         112 Pixels
// H Back Porch
                    = 3.319:
                                      // (usec)
                                                         14 chars =
                                                                         112 Pixels
                                                 =
// H Left Border
                    = 0.000:
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
                                                 =
Ver Total Time
                    = 16.667:
                                                        517 lines
                                                                      HT - (1.06xHA)
                                      // (msec)
                                                 =
Ver Addr Time
                    = 15.474;
                                      // (msec)
                                                        480 lines
                                                                           = 5.6
                                                 =
Ver Blank Start
                    = 15.474;
                                      // (msec)
                                                        480 lines
Ver Blank Time
                    = 1.193:
                                                         37 lines
                                      // (msec)
                                                 =
Ver Sync Start
                                                        486 lines
                    = 15.667;
                                      // (msec)
                                                 =
// V Bottom Border = 0.000;
                                                          0 lines
                                      // (msec)
                                                 =
// V Front Porch
                    = 0.193:
                                      // (msec)
                                                 =
                                                          6 lines
Ver Sync Time
                    = 0.258;
                                                          8 lines
                                      // (msec)
                                                 =
// V Back Porch
                    = 0.741;
                                      // (msec)
                                                 =
                                                         23 lines
// V Top Border
                    = 0.000:
                                      // (msec)
                                                          0 lines
```

Adopted: n/a ** For Reference Only - Not a VESA Standard **

Resolution: 1024 x 768 at 43 Hz (interlaced)

EDID ID: DMT ID: 0Fh; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a BIOS Modes: 104h, 105h, 116h, 117h, & 118h (4, 8, 15, 16, & 24 bpp)

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1024 x 768 @ 43Hz (Interlaced);
Hor Pixels
                    = 1024:
                                       // Pixels
Ver Pixels
                     = 768:
                                       // Lines
Hor Frequency
                     = 35.522:
                                       // kHz
                                                         28.2 usec
                                                                      / line
                                                  =
Ver Frequency
                     = 86.957;
                                       // Hz.
                                                         11.5 msec
                                                                        field
                                                  =
Pixel Clock
                                                         22.3 nsec
                                                                        \pm 0.5\%
                     = 44.900:
                                       // MHz
                                                  =
Character Width
                     = 8;
                                       // Pixels
                                                        178.2 nsec
                                                  =
Scan Type
                     = INTERLACED;
Hor Sync Polarity
                     = POSITIVE:
                                       // HBlank =
                                                       19.0% of HTotal
Ver Sync Polarity
                     = POSITIVE;
                                       // VBlank
                                                        5.9% of VTotal
Hor Total Time
                     = 28.151:
                                       // (usec)
                                                          158 chars =
                                                                          1264 Pixels
                                                  =
Hor Addr Time
                     = 22.806;
                                       // (usec)
                                                          128 \text{ chars} =
                                                                          1024 Pixels
                                                  =
Hor Blank Start
                     = 22.806;
                                       // (usec)
                                                          128 chars =
                                                                          1024 Pixels
                                                  =
Hor Blank Time
                     = 5.345;
                                       // (usec)
                                                  =
                                                           30 \text{ chars} =
                                                                           240 Pixels
Hor Sync Start
                     = 22.984;
                                       // (usec)
                                                  =
                                                          129 chars =
                                                                          1032 Pixels
// H Right Border
                     = 0.000:
                                       // (usec)
                                                  =
                                                            \mathbf{0} chars =
                                                                             0 Pixels
// H Front Porch
                     = 0.178;
                                                            1 \text{ chars} =
                                                                             8 Pixels
                                       // (usec)
                                                  =
Hor Svnc Time
                     = 3.920:
                                       // (usec)
                                                              chars =
                                                                           176 Pixels
                                                  =
// H Back Porch
                     = 1.247:
                                       // (usec)
                                                            7
                                                               chars =
                                                                            56 Pixels
                                                  =
// H Left Border
                     = 0.000:
                                       // (usec)
                                                            \mathbf{0} chars =
                                                                             0 Pixels
                                                  =
                     = 23.000;
                                                          817 lines (Per Frame)
Ver Total Time
                                       // (msec)
                                                  =
Ver Addr Time
                     = 21.620:
                                       // (msec)
                                                  =
                                                          768 lines
                                                                     (Per Frame)
Ver Blank Start
                     = 21.620;
                                       // (msec)
                                                          768 lines
                                                                     (Per Frame)
                                                  =
Ver Blank Time
                     = 0.676;
                                       // (msec)
                                                           24 lines
                                                                     (Per Field)
                                                  =
Ver Sync Start
                     = 21.620:
                                                          768 lines
                                                                     (Per Frame)
                                       // (msec)
                                                  =
// V Bottom Border
                    = 0.000:
                                                                     (Odd Field)
                                       // (msec)
                                                  =
                                                            0 lines
// V Front Porch
                     = 0.000;
                                       // (msec)
                                                            0 lines
                                                                     (Odd Field)
                                                  =
Ver Svnc Time
                     = 0.113:
                                       // (msec)
                                                  =
                                                            4 lines
                                                                     (Both Fields)
// V Back Porch
                     = 0.563;
                                       // (msec)
                                                  =
                                                           20 lines
                                                                     (Odd Field)
// V Top Border
                     = 0.000;
                                                            0 lines
                                                                     (Odd Field)
                                       // (msec)
```

Adopted: 9/10/91 (VESA #901101A)

Resolution: 1024 x 768 at 60 Hz (non-interlaced)

EDID ID: DMT ID: 10h; STD 2 Byte Code: (61, 40)h; CVT 3 Byte Code: n/a

BIOS Modes: 104h, 105h, 116h, 117h, & 118h (4, 8, 15, 16, & 24 bpp)

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1024 \times 768 @ 60Hz:
Hor Pixels
                    = 1024:
                                     // Pixels
Ver Pixels
                    = 768;
                                     // Lines
Hor Frequency
                    = 48.363:
                                     // kHz
                                                      20.7 usec
                                                                   / line
Ver Frequency
                    = 60.004;
                                                      16.7 msec
                                     // Hz
                                                 =
                                                                  / frame
                    = 65.000:
Pixel Clock
                                     // MHz
                                                      15.4 nsec
                                                                     \pm 0.5\%
                                                 =
Character Width
                    = 8;
                                     // Pixels
                                                     123.1 nsec
Scan Type
                                                       // H Phase =
                    = NONINTERLACED;
                                                                        5.1 %
                    = NEGATIVE; // HBlank = 23.8% of HTotal
Hor Sync Polarity
Ver Sync Polarity
                    = NEGATIVE: // VBlank =
                                                     4.7% of VTotal
Hor Total Time
                    = 20.677:
                                                       168 chars =
                                     // (usec)
                                                                      1344 Pixels
Hor Addr Time
                    = 15.754:
                                                                      1024 Pixels
                                     // (usec)
                                                       128 chars =
                                                 =
Hor Blank Start
                    = 15.754:
                                     // (usec)
                                                 =
                                                       128 \text{ chars} =
                                                                      1024 Pixels
Hor Blank Time
                    = 4.923:
                                     // (usec)
                                                        40 \text{ chars} =
                                                                       320 Pixels
                                                                      1048 Pixels
Hor Sync Start
                    = 16.123;
                                     // (usec)
                                                 =
                                                       131 chars =
// H Right Border
                    = 0.000:
                                     // (usec)
                                                 =
                                                         0
                                                            chars =
                                                                          0 Pixels
// H Front Porch
                    = 0.369;
                                     // (usec)
                                                         3
                                                            chars =
                                                                         24 Pixels
                                                 =
Hor Sync Time
                    = 2.092;
                                     // (usec)
                                                 =
                                                        17
                                                            chars =
                                                                        136 Pixels
// H Back Porch
                    = 2.462:
                                                                        160 Pixels
                                     // (usec)
                                                 =
                                                        20 chars =
// H Left Border
                                                                          0 Pixels
                    = 0.000;
                                     // (usec)
                                                 =
                                                         \mathbf{0} chars =
Ver Total Time
                    = 16.666;
                                     // (msec)
                                                       806 lines
                                                                     HT - (1.06xHA)
                                                 =
Ver Addr Time
                                                                          = 3.98
                    = 15.880;
                                     // (msec)
                                                 =
                                                       768 lines
Ver Blank Start
                    = 15.880;
                                     // (msec)
                                                 =
                                                       768 lines
Ver Blank Time
                    = 0.786:
                                     // (msec)
                                                        38 lines
                                                =
Ver Svnc Start
                    = 15.942:
                                     // (msec)
                                                       771 lines
// V Bottom Border = 0.000;
                                                         0 lines
                                     // (msec)
// V Front Porch
                    = 0.062:
                                     // (msec)
                                                         3 lines
Ver Svnc Time
                    = 0.124:
                                                         6 lines
                                     // (msec)
// V Back Porch
                    = 0.600:
                                     // (msec)
                                                        29 lines
                                                 =
                    = 0.000;
// V Top Border
                                     // (msec)
                                                         0 lines
```

Adopted: 8/9/91 (VESA #910801-2)

Resolution: 1024 x 768 at 70 Hz (non-interlaced)

EDID ID: DMT ID: 11h; STD 2 Byte Code: (61, 4A)h; CVT 3 Byte Code: n/a

BIOS Modes: 104h, 105h, 116h, 117h, & 118h (4, 8, 15, 16, & 24 bpp)

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1024 \times 768 @ 70Hz:
Hor Pixels
                    = 1024:
                                      // Pixels
Ver Pixels
                    = 768:
                                      // Lines
                    = 56.476:
Hor Frequency
                                      // kHz
                                                       17.7 usec
                                                                    / line
Ver Frequency
                    = 70.069;
                                                       14.3 msec
                                                                   / frame
                                      // Hz
                                                 =
Pixel Clock
                    = 75.000:
                                      // MHz
                                                       13.3 nsec
                                                                      \pm 0.5\%
                                                 =
Character Width
                    = 8:
                                      // Pixels
                                                      106.7 nsec
Scan Type
                    = NONINTERLACED:
                                                        // H Phase =
                                                                         4.5 %
Hor Sync Polarity
                    = NEGATIVE: // HBlank = 22.9% of HTotal
Ver Sync Polarity
                    = NEGATIVE: // VBlank =
                                                      4.7% of VTotal
Hor Total Time
                    = 17.707:
                                                       166 chars =
                                                                       1328 Pixels
                                      // (usec)
Hor Addr Time
                                                                       1024 Pixels
                    = 13.653:
                                      // (usec)
                                                       128 \text{ chars} =
                                                 =
                                                                       1024 Pixels
Hor Blank Start
                    = 13.653:
                                      // (usec)
                                                       128 \text{ chars} =
Hor Blank Time
                    = 4.053:
                                      // (usec)
                                                        38 \text{ chars} =
                                                                        304 Pixels
Hor Svnc Start
                    = 13.973:
                                      // (usec)
                                                       131 \text{ chars} =
                                                                       1048 Pixels
// H Right Border
                                                          0
                    = 0.000:
                                      // (usec)
                                                            chars =
                                                                           0 Pixels
// H Front Porch
                                      // (usec)
                                                          3 \text{ chars} =
                    = 0.320;
                                                 =
                                                                         24 Pixels
Hor Sync Time
                                                                        136 Pixels
                    = 1.813;
                                      // (usec)
                                                         17
                                                            chars =
                                                 =
// H Back Porch
                    = 1.920;
                                      // (usec)
                                                         18 chars =
                                                                        144 Pixels
                                                 =
// H Left Border
                    = 0.000:
                                      // (usec)
                                                 =
                                                          \mathbf{0} chars =
                                                                           0 Pixels
Ver Total Time
                    = 14.272;
                                      // (msec)
                                                       806 lines
                                                                      HT - (1.06xHA)
Ver Addr Time
                    = 13.599;
                                      // (msec)
                                                       768 lines
                                                                           = 3.23
                                                 =
Ver Blank Start
                    = 13.599;
                                                        768 lines
                                      // (msec)
Ver Blank Time
                    = 0.673;
                                      // (msec)
                                                        38 lines
                                                 =
Ver Sync Start
                    = 13.652;
                                      // (msec)
                                                 =
                                                       771 lines
// V Bottom Border = 0.000;
                                      // (msec)
                                                          0 lines
                                                 =
// V Front Porch
                    = 0.053;
                                      // (msec)
                                                 =
                                                          3 lines
Ver Sync Time
                    = 0.106;
                                      // (msec)
                                                          6 lines
                                                 =
// V Back Porch
                    = 0.513;
                                                         29 lines
                                      // (msec)
                                                 =
// V Top Border
                    = 0.000:
                                      // (msec)
                                                          0 lines
```

Adopted: 10/4/93

Resolution: 1024 x 768 at 75 Hz (non-interlaced)

EDID ID: DMT ID: 12h; STD 2 Byte Code: (61, 4F)h; CVT 3 Byte Code: n/a

BIOS Modes: 104h, 105h, 116h, 117h, & 118h (4, 8, 15, 16, & 24 bpp)

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1024 \times 768 @ 75Hz:
Hor Pixels
                    = 1024:
                                      // Pixels
Ver Pixels
                    = 768:
                                      // Lines
Hor Frequency
                    = 60.023:
                                      // kHz
                                                      16.7 usec
                                                                   / line
Ver Frequency
                    = 75.029;
                                                      13.3 msec
                                                                  / frame
                                      // Hz
                                                 =
Pixel Clock
                    = 78.750:
                                      // MHz
                                                      12.7 nsec
                                                                     \pm 0.5\%
                                                 =
Character Width
                    = 8:
                                      // Pixels
                                                     101.6 nsec
                                                 =
                    = NONINTERLACED;
Scan Type
                                                       // H Phase =
                                                                        6.1 %
Hor Sync Polarity
                    = POSITIVE:
                                      // HBlank = 22.0% of HTotal
Ver Sync Polarity
                    = POSITIVE:
                                      // VBlank =
                                                     4.0% of VTotal
Hor Total Time
                    = 16.660;
                                      // (usec)
                                                       164 chars =
                                                                      1312 Pixels
Hor Addr Time
                    = 13.003;
                                      // (usec)
                                                       128 chars =
                                                                       1024 Pixels
                                                 =
                                                                       1024 Pixels
Hor Blank Start
                    = 13.003;
                                      // (usec)
                                                       128 chars =
                                                 =
Hor Blank Time
                    = 3.657;
                                      // (usec)
                                                        36 \text{ chars} =
                                                                        288 Pixels
                                                                       1040 Pixels
Hor Sync Start
                    = 13.206;
                                      // (usec)
                                                 =
                                                       130 \text{ chars} =
// H Right Border
                    = 0.000;
                                                         0 chars =
                                                                          0 Pixels
                                      // (usec)
                                                 =
// H Front Porch
                    = 0.203;
                                                                         16 Pixels
                                      // (usec)
                                                 =
                                                         2 \text{ chars} =
Hor Sync Time
                    = 1.219;
                                                        12
                                      // (usec)
                                                            chars =
                                                                         96 Pixels
                                                 =
// H Back Porch
                    = 2.235;
                                      // (usec)
                                                        22 chars =
                                                                        176 Pixels
                                                 =
// H Left Border
                    = 0.000:
                                      // (usec)
                                                 =
                                                         \mathbf{0} chars =
                                                                          0 Pixels
Ver Total Time
                    = 13.328;
                                                       800 lines
                                                                     HT - (1.06xHA)
                                      // (msec)
                                                 =
Ver Addr Time
                    = 12.795;
                                      // (msec)
                                                       768 lines
                                                                          = 2.88
Ver Blank Start
                    = 12.795;
                                      // (msec)
                                                       768 lines
                                                 =
Ver Blank Time
                    = 0.533:
                                      // (msec)
                                                        32 lines
Ver Sync Start
                    = 12.812;
                                                       769 lines
                                      // (msec)
                                                 =
// V Bottom Border = 0.000:
                                      // (msec)
                                                         0 lines
                                                 =
// V Front Porch
                    = 0.017:
                                      // (msec)
                                                         1 lines
                                                 =
Ver Svnc Time
                    = 0.050:
                                      // (msec)
                                                         3 lines
                                                 =
// V Back Porch
                    = 0.466;
                                                        28 lines
                                      // (msec)
// V Top Border
                    = 0.000;
                                      // (msec)
                                                         0 lines
```

Adopted: 3/1/96

Resolution: 1024 x 768 at 85 Hz (non-interlaced)

EDID ID: DMT ID: 13h; STD 2 Byte Code: (61, 59)h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1024 \times 768 @ 85Hz;
Hor Pixels
                    = 1024:
                                     // Pixels
Ver Pixels
                    = 768:
                                     // Lines
                    = 68.677;
Hor Frequency
                                     // kHz
                                                      14.6 usec
                                                                   / line
Ver Frequency
                    = 84.997;
                                     // Hz
                                                      11.8 msec
                                                                  / frame
Pixel Clock
                    = 94.500;
                                     // MHz
                                                      10.6 nsec
                                                                     \pm 0.5\%
                                                 =
Character Width
                    = 8:
                                     // Pixels
                                                      84.7 nsec
Scan Type
                                                       // H Phase =
                    = NONINTERLACED;
                                                                        5.8 %
Hor Sync Polarity
                    = POSITIVE:
                                     // HBlank =
                                                    25.6% of HTotal
Ver Sync Polarity
                                     // VBlank =
                    = POSITIVE;
                                                      5.0% of VTotal
Hor Total Time
                                                                      1376 Pixels
                    = 14.561;
                                     // (usec)
                                                       172 chars =
Hor Addr Time
                    = 10.836;
                                     // (usec)
                                                       128 chars =
                                                                       1024 Pixels
Hor Blank Start
                                                       128 chars =
                    = 10.836:
                                     // (usec)
                                                                       1024 Pixels
                                                 =
Hor Blank Time
                    = 3.725:
                                                        44 chars =
                                                                        352 Pixels
                                     // (usec)
                                                 =
Hor Svnc Start
                    = 11.344:
                                     // (usec)
                                                       134 \text{ chars} =
                                                                       1072 Pixels
// H Right Border
                                                         \mathbf{0} chars =
                                                                          0 Pixels
                    = 0.000:
                                     // (usec)
                                                 =
// H Front Porch
                    = 0.508:
                                     // (usec)
                                                         6 \text{ chars} =
                                                                         48 Pixels
                                                 =
Hor Sync Time
                    = 1.016:
                                     // (usec)
                                                        12 \text{ chars} =
                                                                         96 Pixels
                                                 =
// H Back Porch
                    = 2.201;
                                     // (usec)
                                                        26 chars =
                                                                        208 Pixels
// H Left Border
                                                                          0 Pixels
                    = 0.000;
                                     // (usec)
                                                         0 chars =
                                                                     HT - (1.06xHA)
Ver Total Time
                    = 11.765:
                                     // (msec)
                                                       808 lines
Ver Addr Time
                    = 11.183;
                                     // (msec)
                                                       768 lines
                                                                          = 3.07
Ver Blank Start
                    = 11.183;
                                     // (msec)
                                                 =
                                                       768 lines
Ver Blank Time
                    = 0.582:
                                                        40 lines
                                     // (msec)
Ver Sync Start
                                                       769 lines
                    = 11.197;
                                     // (msec)
                                                 =
// V Bottom Border = 0.000;
                                     // (msec)
                                                         0 lines
                                                 =
// V Front Porch
                                     // (msec)
                                                         1 lines
                    = 0.015;
                                                 =
Ver Sync Time
                    = 0.044;
                                                         3 lines
                                     // (msec)
                                                 =
// V Back Porch
                    = 0.524;
                                     // (msec)
                                                        36 lines
                                                 =
// V Top Border
                    = 0.000;
                                     // (msec)
                                                         0 lines
                                                 =
```

Adopted: 5/1/07

Resolution: 1024 x 768 at 120 Hz (non-interlaced) REDUCED BLANKING EDID ID: DMT ID: 14h; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a

Method: Generated using CVT (Reduced Blanking) Formula

Detailed Timing Parameters

```
Timing Name
                        1024 x 768 @ 120Hz CVT (Reduced Blanking);
                     = 1024:
Hor Pixels
                                       // Pixels
                                       // Lines
Ver Pixels
                     = 768;
Hor Frequency
                     = 97.551:
                                       // kHz
                                                         10.3 usec
                                                                      / line
Ver Frequency
                     = 119.989;
                                                          8.3 msec
                                                                     / frame
                                       // Hz
                                                   =
Pixel Clock
                     = 115.500:
                                       // MHz
                                                   =
                                                          8.7 nsec
                                                                        \pm 0.5\%
Character Width
                     = 8;
                                       // Pixels
                                                   =
                                                         69.3 nsec
Scan Type
                     = NONINTERLACED;
                                                          // H Phase =
                                                                           1.4 %
                                                      13.5% of HTotal
Hor Sync Polarity
                     = POSITIVE;
                                       // HBlank =
Ver Svnc Polarity
                     = NEGATIVE
                                       // VBlank
                                                        5.5% of VTotal
Hor Total Time
                     = 10.251:
                                       // (usec)
                                                         148 chars =
                                                                         1184 Pixels
Hor Addr Time
                                                         128
                                                                         1024 Pixels
                     = 8.866;
                                       // (usec)
                                                              chars =
Hor Blank Start
                     = 8.866:
                                       // (usec)
                                                         128
                                                              chars =
                                                                         1024 Pixels
Hor Blank Time
                     = 1.385:
                                       // (usec)
                                                          20 \text{ chars} =
                                                                           160 Pixels
Hor Sync Start
                     = 9.281;
                                       // (usec)
                                                   =
                                                         134 \text{ chars} =
                                                                         1072 Pixels
// H Right Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                           \mathbf{0} chars =
                                                                             0 Pixels
// H Front Porch
                     = 0.416;
                                       // (usec)
                                                              chars =
                                                                            48 Pixels
                                                   =
                                                            6
Hor Sync Time
                     = 0.277:
                                       // (usec)
                                                              chars =
                                                                            32 Pixels
// H Back Porch
                                       // (usec)
                                                          10 \text{ chars} =
                                                                            80 Pixels
                     = 0.693:
                                                   =
// H Left Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                            \mathbf{0} chars =
                                                                             0 Pixels
Ver Total Time
                     = 8.334:
                                       // (msec)
                                                         813 lines
                                                                        HT - (1.06xHA)
Ver Addr Time
                     = 7.873;
                                       // (msec)
                                                         768 lines
                                                                             = 0.85
                                                   =
Ver Blank Start
                     = 7.873:
                                       // (msec)
                                                         768 lines
Ver Blank Time
                     = 0.461;
                                       // (msec)
                                                          45 lines
                                                   =
Ver Sync Start
                     = 7.904;
                                       // (msec)
                                                         771 lines
// V Bottom Border
                     = 0.000:
                                       // (msec)
                                                   =
                                                            0 lines
// V Front Porch
                     = 0.031;
                                       // (msec)
                                                   =
                                                            3 lines
Ver Sync Time
                     = 0.041;
                                                            4 lines
                                       // (msec)
                                                   =
// V Back Porch
                     = 0.390;
                                       // (msec)
                                                          38 lines
                                                   =
// V Top Border
                     = 0.000:
                                                            0 lines
                                       // (msec)
```

Adopted: 3/1/96

Resolution: 1152 x 864 at 75 Hz (non-interlaced)

EDID ID: DMT ID: 15h; STD 2 Byte Code: (71, 4F)h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1152 \times 864 @ 75Hz;
Hor Pixels
                    = 1152:
                                     // Pixels
Ver Pixels
                                     // Lines
                    = 864:
                    = 67.500;
                                     // kHz
Hor Frequency
                                                      14.8 usec
                                                                   / line
Ver Frequency
                    = 75.000;
                                     // Hz
                                                 =
                                                      13.3 msec
                                                                  / frame
Pixel Clock
                    = 108.000;
                                     // MHz
                                                 =
                                                       9.3 nsec
                                                                     \pm 0.5\%
Character Width
                                     // Pixels
                                                      74.1 nsec
                    = 8;
Scan Type
                                                       // H Phase =
                                                                        6.0 %
                    = NONINTERLACED;
Hor Sync Polarity
                    = POSITIVE:
                                     // HBlank =
                                                    28.0% of HTotal
Ver Sync Polarity
                    = POSITIVE;
                                     // VBlank =
                                                     4.0% of VTotal
                                                       200 chars =
Hor Total Time
                    = 14.815;
                                                                      1600 Pixels
                                     // (usec)
Hor Addr Time
                                                                       1152 Pixels
                    = 10.667:
                                     // (usec)
                                                       144 \text{ chars} =
                                                       144 chars =
Hor Blank Start
                    = 10.667;
                                     // (usec)
                                                 =
                                                                       1152 Pixels
Hor Blank Time
                    = 4.148;
                                     // (usec)
                                                        56 \text{ chars} =
                                                                       448 Pixels
                                                 =
Hor Sync Start
                    = 11.259;
                                     // (usec)
                                                       152 chars =
                                                                       1216 Pixels
                                                 =
// H Right Border
                                                         0
                                                                          0 Pixels
                    = 0.000;
                                     // (usec)
                                                            chars =
                                                 =
// H Front Porch
                    = 0.593;
                                     // (usec)
                                                         8
                                                            chars =
                                                                         64 Pixels
                                                 =
                                                                        128 Pixels
Hor Sync Time
                    = 1.185;
                                     // (usec)
                                                        16 chars =
                                                 =
// H Back Porch
                    = 2.370;
                                                                        256 Pixels
                                     // (usec)
                                                 =
                                                        32 chars =
// H Left Border
                    = 0.000;
                                     // (usec)
                                                         \mathbf{0} chars =
                                                                          0 Pixels
Ver Total Time
                                                                     HT - (1.06xHA)
                    = 13.333:
                                     // (msec)
                                                       900 lines
                                                       864 lines
Ver Addr Time
                    = 12.800:
                                     // (msec)
                                                                          = 3.51
Ver Blank Start
                    = 12.800;
                                                       864 lines
                                     // (msec)
Ver Blank Time
                    = 0.533:
                                     // (msec)
                                                        36 lines
                                                 =
Ver Sync Start
                    = 12.815:
                                     // (msec)
                                                       865 lines
// V Bottom Border = 0.000:
                                     // (msec)
                                                         0 lines
// V Front Porch
                    = 0.015:
                                     // (msec)
                                                         1 lines
                                                 =
Ver Svnc Time
                    = 0.044:
                                     // (msec)
                                                 =
                                                         3 lines
// V Back Porch
                    = 0.474;
                                     // (msec)
                                                 =
                                                        32 lines
// V Top Border
                                                         0 lines
                    = 0.000;
                                     // (msec)
```

Proposed: 10/16/08 Adopted: TBD

Resolution: 1280 x 720 at 60 Hz (non-interlaced)

EDID ID: DMT ID: 55h; STD 2 Byte Code: 81h, C0h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Per CEA-861 --- 720p (Code 4) Timing Definitions

Detailed Timing Parameters

```
Timing Name
                    = 1280 \times 720 @ 60Hz;
Hor Pixels
                    = 1280:
                                       // Pixels
Ver Pixels
                     = 720:
                                       // Lines
                     = 45.000:
Hor Frequency
                                       // KHz
                                                        22.2 usec
                                                                     / line
Ver Frequency
                     = 60.000;
                                       // Hz
                                                        16.7 msec
                                                                     / frame
Pixel Clock
                     = 74.250;
                                                                        \pm 0.5\%
                                       // MHz
                                                        13.5 nsec
Character Width
                                       // Pixels
                                                        13.5 nsec
                     = 1;
                                                  =
Scan Type
                     = NONINTERLACED;
                                                          // H Phase =
                                                                           3.3 %
Hor Sync Polarity
                     = POSITIVE;
                                       // HBlank = 22.4% of HTotal
Ver Sync Polarity
                     = POSITIVE;
                                       // VBlank =
                                                       4.0% of VTotal
Hor Total Time
                     = 22.222:
                                                        1650 \text{ chars} =
                                                                         1650 Pixels
                                       // (usec)
Hor Addr Time
                     = 17.239;
                                                                         1280 Pixels
                                       // (usec)
                                                        1280 \text{ chars} =
Hor Blank Start
                     = 17.239;
                                       // (usec)
                                                        1280 \text{ chars} =
                                                                         1280 Pixels
Hor Blank Time
                     = 4.983:
                                       // (usec)
                                                         370 \text{ chars} =
                                                                          370 Pixels
Hor Sync Start
                     = 18.721;
                                       // (usec)
                                                        1390 \text{ chars} =
                                                                         1390 Pixels
// H Right Border
                     = 0.000:
                                       // (usec)
                                                           \mathbf{0} chars =
                                                                             0 Pixels
// H Front Porch
                     = 1.481;
                                       // (usec)
                                                         110 chars =
                                                                          110 Pixels
                                                  =
Hor Sync Time
                     = 0.539;
                                       // (usec)
                                                          40 chars =
                                                                           40 Pixels
                                                  =
// H Back Porch
                     = 2.963;
                                       // (usec)
                                                  =
                                                         220 chars =
                                                                          220 Pixels
// H Left Border
                     = 0.000;
                                       // (usec)
                                                           \mathbf{0} chars =
                                                                             0 Pixels
                                                  =
Ver Total Time
                     = 16.667:
                                       // (msec)
                                                         750 lines
                                                                        HT - (1.06xHA)
Ver Addr Time
                                                                             = 3.95
                     = 16.000;
                                       // (msec)
                                                  =
                                                         720 lines
Ver Blank Start
                     = 16.000;
                                       // (msec)
                                                         720 lines
Ver Blank Time
                     = 0.667;
                                       // (msec)
                                                  =
                                                          30 lines
Ver Sync Start
                                                         725 lines
                     = 16.111;
                                       // (msec)
// V Bottom Border
                     = 0.000:
                                       // (msec)
                                                           0 lines
// V Front Porch
                     = 0.111;
                                       // (msec)
                                                           5 lines
                                                  =
Ver Svnc Time
                                                           5 lines
                     = 0.111:
                                       // (msec)
                                                  =
// V Back Porch
                     = 0.444;
                                       // (msec)
                                                  =
                                                          20 lines
// V Top Border
                     = 0.000;
                                                           0 lines
                                       // (msec)
```

Adopted: 8/21/03

Resolution: 1280 x 768 at 60 Hz (non-interlaced) REDUCED BLANKING

EDID ID: DMT ID: 16h; STD 2 Byte Code: n/a; CVT 3 Byte Code: (7F, 1C, 21)h

Method: CVT Reduced Blanking

Detailed Timing Parameters

```
Timing Name
                       1280 x 768 @ 60Hz CVT (Reduced Blanking);
Hor Pixels
                    = 1280:
                                      // Pixels
Ver Pixels
                     = 768;
                                      // Lines
Hor Frequency
                     = 47.396:
                                      // kHz
                                                        21.1 usec
                                                                     / line
Ver Frequency
                     = 59.995;
                                                        16.7 msec
                                                                    / frame
                                      // Hz
Pixel Clock
                     = 68.250;
                                      // MHz
                                                  =
                                                        14.7 nsec
                                                                       \pm 0.5\%
Character Width
                                      // Pixels
                                                  =
                                                      117.2 nsec
                     = 8;
Scan Type
                     = NONINTERLACED;
                                                         // H Phase =
                                                                          1.1 %
                                                     11.1% of HTotal
Hor Sync Polarity
                     = POSITIVE;
                                      // HBlank =
Ver Svnc Polarity
                     = NEGATIVE
                                      // VBlank
                                                       2.8% of VTotal
                     = 21.099:
Hor Total Time
                                      // (usec)
                                                         180 chars =
                                                                        1440 Pixels
Hor Addr Time
                     = 18.755:
                                                                        1280 Pixels
                                      // (usec)
                                                         160 \text{ chars} =
Hor Blank Start
                     = 18.755:
                                      // (usec)
                                                         160
                                                              chars =
                                                                        1280 Pixels
Hor Blank Time
                     = 2.344:
                                      // (usec)
                                                         20
                                                             chars =
                                                                          160 Pixels
Hor Sync Start
                     = 19.458;
                                      // (usec)
                                                  =
                                                        166 chars =
                                                                        1328 Pixels
// H Right Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                             chars =
                                                                            0 Pixels
// H Front Porch
                     = 0.703;
                                      // (usec)
                                                             chars =
                                                                           48 Pixels
                                                  =
                                                           6
Hor Sync Time
                                                                           32 Pixels
                     = 0.469:
                                      // (usec)
                                                              chars =
// H Back Porch
                     = 1.172;
                                      // (usec)
                                                          10 \text{ chars} =
                                                                           80 Pixels
                                                  =
// H Left Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                           \mathbf{0} chars =
                                                                            0 Pixels
Ver Total Time
                     = 16.668:
                                      // (msec)
                                                        790 lines
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 16.204;
                                      // (msec)
                                                        768 lines
                                                                            = 1.22
                                                  =
Ver Blank Start
                     = 16.204:
                                      // (msec)
                                                        768 lines
Ver Blank Time
                     = 0.464;
                                      // (msec)
                                                         22 lines
                                                  =
Ver Sync Start
                     = 16.267;
                                      // (msec)
                                                        771 lines
// V Bottom Border
                     = 0.000:
                                      // (msec)
                                                  =
                                                           0 lines
// V Front Porch
                     = 0.063;
                                      // (msec)
                                                  =
                                                           3 lines
Ver Sync Time
                     = 0.148;
                                                           7 lines
                                      // (msec)
                                                  =
// V Back Porch
                     = 0.253;
                                      // (msec)
                                                          12 lines
                                                  =
// V Top Border
                     = 0.000:
                                                           0 lines
                                      // (msec)
```

Adopted: 8/21/03

Resolution: 1280 x 768 at 60 Hz (non-interlaced)

EDID ID: DMT ID: 17h; STD 2 Byte Code: n/a; CVT 3 Byte Code: (7F, 1C, 28)h

Method: CVT Compliant

Detailed Timing Parameters

```
Timing Name
                       1280 x 768 @ 60Hz;
Hor Pixels
                     = 1280;
                                       // Pixels
Ver Pixels
                     = 768;
                                       // Lines
Hor Frequency
                     = 47.776;
                                       // kHz
                                                        20.9 usec
                                                                     / line
Ver Frequency
                     = 59.870;
                                                        16.7 msec
                                                                     / frame
                                       // Hz
                                                   =
Pixel Clock
                     = 79.500;
                                       // MHz
                                                   =
                                                        12.6 nsec
                                                                        \pm 0.5\%
Character Width
                                       // Pixels
                                                       100.6 nsec
                     = 8;
                                                   =
Scan Type
                     = NONINTERLACED;
                                                          // H Phase =
                                                                           3.8 %
                                                      23.1% of HTotal
Hor Sync Polarity
                     = NEGATIVE
                                      // HBlank =
Ver Sync Polarity
                     = POSITIVE;
                                       // VBlank
                                                        3.8% of VTotal
                     = 20.931:
Hor Total Time
                                       // (usec)
                                                         208 \text{ chars} =
                                                                         1664 Pixels
Hor Addr Time
                     = 16.101:
                                                                         1280 Pixels
                                       // (usec)
                                                         160 \text{ chars} =
Hor Blank Start
                     = 16.101:
                                       // (usec)
                                                         160
                                                              chars =
                                                                         1280 Pixels
Hor Blank Time
                     = 4.830;
                                       // (usec)
                                                          48 \text{ chars} =
                                                                          384 Pixels
Hor Sync Start
                     = 16.906;
                                       // (usec)
                                                   =
                                                         168 chars =
                                                                         1344 Pixels
// H Right Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                           \mathbf{0} chars =
                                                                             0 Pixels
// H Front Porch
                     = 0.805;
                                       // (usec)
                                                           8 \text{ chars} =
                                                                           64 Pixels
                                                   =
Hor Sync Time
                     = 1.610:
                                       // (usec)
                                                          16 chars =
                                                                           128 Pixels
// H Back Porch
                     = 2.415:
                                       // (usec)
                                                              chars =
                                                                          192 Pixels
                                                          24
                                                   =
// H Left Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                           0
                                                              chars =
                                                                             0 Pixels
Ver Total Time
                                                         798 lines
                     = 16.703:
                                       // (msec)
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 16.075;
                                       // (msec)
                                                         768 lines
                                                                             = 3.86
                                                   =
Ver Blank Start
                     = 16.075;
                                       // (msec)
                                                         768 lines
Ver Blank Time
                     = 0.628;
                                       // (msec)
                                                          30 lines
                                                   =
Ver Sync Start
                     = 16.138;
                                       // (msec)
                                                         771 lines
// V Bottom Border
                                                           0 lines
                     = 0.000:
                                       // (msec)
                                                   =
// V Front Porch
                     = 0.063;
                                       // (msec)
                                                   =
                                                           3 lines
Ver Sync Time
                     = 0.147;
                                                           7 lines
                                       // (msec)
                                                   =
// V Back Porch
                     = 0.419;
                                       // (msec)
                                                          20 lines
                                                   =
// V Top Border
                                                           0 lines
                     = 0.000;
                                       // (msec)
```

Adopted: 8/21/03

Resolution: 1280 x 768 at 75 Hz (non-interlaced)

EDID ID: DMT ID: 18h; STD 2 Byte Code: n/a; CVT 3 Byte Code: (7F, 1C, 44)h

Method: CVT Compliant

Detailed Timing Parameters

```
Timing Name
                       1280 x 768 @ 75Hz;
Hor Pixels
                     = 1280:
                                       // Pixels
Ver Pixels
                     = 768;
                                       // Lines
Hor Frequency
                     = 60.289:
                                       // KHz
                                                        16.6 usec
                                                                     / line
Ver Frequency
                     = 74.893;
                                                        13.4 msec
                                                                     / frame
                                       // Hz
                                                   =
Pixel Clock
                     = 102.250:
                                       // MHz
                                                   =
                                                         9.8 nsec
                                                                       \pm 0.5\%
Character Width
                     = 8;
                                       // Pixels
                                                        78.2 nsec
                                                   =
                     = NONINTERLACED;
                                                                           3.8 %
Scan Type
                                                         // H Phase =
Hor Sync Polarity
                     = NEGATIVE
                                      // HBlank =
                                                      24.5% of HTotal
Ver Sync Polarity
                     = POSITIVE;
                                       // VBlank
                                                       4.6% of VTotal
                                                  =
Hor Total Time
                     = 16.587:
                                       // (usec)
                                                         212 \text{ chars} =
                                                                         1696 Pixels
Hor Addr Time
                     = 12.518;
                                                                         1280 Pixels
                                       // (usec)
                                                         160 \text{ chars} =
Hor Blank Start
                     = 12.518:
                                       // (usec)
                                                         160 \text{ chars} =
                                                                         1280 Pixels
Hor Blank Time
                     = 4.068;
                                       // (usec)
                                                          52
                                                              chars =
                                                                          416 Pixels
Hor Sync Start
                     = 13.301;
                                       // (usec)
                                                   =
                                                         170 \text{ chars} =
                                                                         1360 Pixels
// H Right Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                           \mathbf{0} chars =
                                                                             0 Pixels
// H Front Porch
                     = 0.782;
                                       // (usec)
                                                          10 chars =
                                                                           80 Pixels
                                                   =
Hor Sync Time
                     = 1.252:
                                       // (usec)
                                                   =
                                                          16 chars =
                                                                          128 Pixels
// H Back Porch
                     = 2.034;
                                       // (usec)
                                                          26 chars =
                                                                          208 Pixels
                                                   =
// H Left Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                           0
                                                              chars =
                                                                             0 Pixels
Ver Total Time
                     = 13.352:
                                       // (msec)
                                                         805 lines
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 12.739;
                                       // (msec)
                                                         768 lines
                                                                             = 3.32
                                                   =
Ver Blank Start
                     = 12.739:
                                       // (msec)
                                                         768 lines
Ver Blank Time
                     = 0.614;
                                       // (msec)
                                                          37 lines
                                                   =
                     = 12.788;
Ver Sync Start
                                       // (msec)
                                                         771 lines
// V Bottom Border
                                                           0 lines
                     = 0.000:
                                       // (msec)
                                                   =
// V Front Porch
                     = 0.050;
                                       // (msec)
                                                   =
                                                           3 lines
Ver Sync Time
                     = 0.116;
                                                           7 lines
                                       // (msec)
                                                   =
// V Back Porch
                     = 0.448;
                                       // (msec)
                                                          27 lines
                                                   =
// V Top Border
                                                           0 lines
                     = 0.000:
                                       // (msec)
```

Adopted: 8/21/03

Resolution: 1280 x 768 at 85 Hz (non-interlaced)

EDID ID: DMT ID: 19h; STD 2 Byte Code: n/a; CVT 3 Byte Code: (7F, 1C, 62)h

Method: CVT Compliant

Detailed Timing Parameters

```
Timing Name
                       1280 x 768 @ 85Hz;
Hor Pixels
                     = 1280:
                                       // Pixels
Ver Pixels
                     = 768;
                                       // Lines
Hor Frequency
                     = 68.633:
                                       // kHz
                                                         14.6 usec
                                                                      / line
Ver Frequency
                     = 84.837;
                                                         11.8 msec
                                                                     / frame
                                       // Hz
                                                   =
Pixel Clock
                     = 117.500:
                                       // MHz
                                                   =
                                                          8.5 nsec
                                                                        \pm 0.5\%
Character Width
                                       // Pixels
                                                         68.1 nsec
                     = 8;
                                                   =
                                                                           4.0 %
Scan Type
                     = NONINTERLACED;
                                                          // H Phase =
                                                      25.2% of HTotal
Hor Sync Polarity
                     = NEGATIVE
                                      // HBlank =
Ver Sync Polarity
                     = POSITIVE;
                                       // VBlank
                                                        5.1% of VTotal
                     = 14.570:
Hor Total Time
                                       // (usec)
                                                         214 chars =
                                                                         1712 Pixels
Hor Addr Time
                     = 10.894:
                                                                         1280 Pixels
                                       // (usec)
                                                         160 \text{ chars} =
Hor Blank Start
                     = 10.894:
                                       // (usec)
                                                          160 \text{ chars} =
                                                                         1280 Pixels
Hor Blank Time
                     = 3.677;
                                       // (usec)
                                                           54 \text{ chars} =
                                                                           432 Pixels
Hor Sync Start
                     = 11.574;
                                       // (usec)
                                                   =
                                                         170 \text{ chars} =
                                                                         1360 Pixels
// H Right Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                            \mathbf{0} chars =
                                                                             0 Pixels
// H Front Porch
                     = 0.681;
                                       // (usec)
                                                           10 chars =
                                                                            80 Pixels
                                                   =
Hor Sync Time
                     = 1.157:
                                       // (usec)
                                                           17
                                                               chars =
                                                                           136 Pixels
// H Back Porch
                     = 1.838:
                                       // (usec)
                                                               chars =
                                                                           216 Pixels
                                                          27
                                                   =
// H Left Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                            \mathbf{0} chars =
                                                                             0 Pixels
Ver Total Time
                     = 11.787:
                                       // (msec)
                                                         809 lines
                                                                        HT - (1.06xHA)
Ver Addr Time
                     = 11.190;
                                       // (msec)
                                                         768 lines
                                                                             = 3.02
                                                   =
Ver Blank Start
                                                         768 lines
                     = 11.190:
                                       // (msec)
Ver Blank Time
                     = 0.597;
                                       // (msec)
                                                          41 lines
                                                   =
Ver Sync Start
                     = 11.234;
                                       // (msec)
                                                         771 lines
// V Bottom Border
                                                            0 lines
                     = 0.000:
                                       // (msec)
                                                   =
// V Front Porch
                     = 0.044;
                                       // (msec)
                                                   =
                                                            3 lines
Ver Sync Time
                     = 0.102;
                                                            7 lines
                                       // (msec)
                                                   =
// V Back Porch
                     = 0.452;
                                       // (msec)
                                                           31 lines
                                                   =
// V Top Border
                     = 0.000:
                                                            0 lines
                                       // (msec)
```

Adopted: 5/1/07

Resolution: 1280 x 768 at 120 Hz (non-interlaced) REDUCED BLANKING EDID ID: DMT ID: 1Ah; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a

Method: Generated using CVT (Reduced Blanking) Formula

Detailed Timing Parameters

```
Timing Name
                       1280 x 768 @ 120Hz CVT (Reduced Blanking);
                    = 1280:
Hor Pixels
                                      // Pixels
                                      // Lines
Ver Pixels
                     = 768;
Hor Frequency
                     = 97.396:
                                      // kHz
                                                        10.3 usec
                                                                     / line
Ver Frequency
                     = 119.798;
                                                         8.3 msec
                                                                     / frame
                                      // Hz
                                                  =
Pixel Clock
                     = 140.250:
                                      // MHz
                                                  =
                                                         7.1 nsec
                                                                       \pm 0.5\%
Character Width
                     = 8;
                                      // Pixels
                                                  =
                                                        57.0 nsec
                     = NONINTERLACED;
Scan Type
                                                         // H Phase =
                                                                          1.1 %
                                                     11.1% of HTotal
Hor Sync Polarity
                     = POSITIVE;
                                      // HBlank =
Ver Svnc Polarity
                     = NEGATIVE
                                      // VBlank
                                                       5.5% of VTotal
Hor Total Time
                     = 10.267:
                                      // (usec)
                                                         180 chars =
                                                                        1440 Pixels
Hor Addr Time
                                                                        1280 Pixels
                     = 9.127:
                                      // (usec)
                                                         160 \text{ chars} =
                     = 9.127:
Hor Blank Start
                                      // (usec)
                                                         160
                                                              chars =
                                                                        1280 Pixels
Hor Blank Time
                     = 1.141:
                                      // (usec)
                                                          20
                                                              chars =
                                                                          160 Pixels
Hor Sync Start
                     = 9.469;
                                      // (usec)
                                                  =
                                                         166 chars =
                                                                        1328 Pixels
// H Right Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                              chars =
                                                                            0 Pixels
// H Front Porch
                     = 0.342;
                                      // (usec)
                                                             chars =
                                                                           48 Pixels
                                                  =
                                                           6
Hor Sync Time
                     = 0.228:
                                      // (usec)
                                                              chars =
                                                                           32 Pixels
// H Back Porch
                     = 0.570;
                                      // (usec)
                                                          10 \text{ chars} =
                                                                           80 Pixels
                                                  =
// H Left Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                           \mathbf{0} chars =
                                                                            0 Pixels
Ver Total Time
                     = 8.347:
                                      // (msec)
                                                        813 lines
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 7.885;
                                      // (msec)
                                                        768 lines
                                                                            = 0.59
                                                  =
Ver Blank Start
                     = 7.885:
                                      // (msec)
                                                        768 lines
Ver Blank Time
                     = 0.462;
                                      // (msec)
                                                          45 lines
                                                  =
Ver Sync Start
                     = 7.916;
                                      // (msec)
                                                        771 lines
// V Bottom Border
                                      // (msec)
                     = 0.000:
                                                  =
                                                           0 lines
// V Front Porch
                     = 0.031;
                                      // (msec)
                                                  =
                                                           3 lines
Ver Sync Time
                     = 0.072;
                                                           7 lines
                                      // (msec)
                                                  =
// V Back Porch
                     = 0.359;
                                      // (msec)
                                                          35 lines
                                                  =
// V Top Border
                     = 0.000:
                                                           0 lines
                                       // (msec)
```

Adopted: 5/1/07

Resolution: 1280 x 800 at 60 Hz (non-interlaced) REDUCED BLANKING

EDID ID: DMT ID: 1Bh; STD 2 Byte Code: n/a; CVT 3 Byte Code: (8F, 18, 21)h

Method: CVT Reduced Blanking

Detailed Timing Parameters

```
Timing Name
                    = 1280 x 800 @ 60Hz CVT (Reduced Blanking);
Hor Pixels
                    = 1280:
                                      // Pixels
Ver Pixels
                                      // Lines
                    = 800;
                    = 49.306;
                                      // kHz
Hor Frequency
                                                       20.3 usec
                                                                   / line
                                                 =
Ver Frequency
                    = 59.910:
                                      // Hz
                                                       16.7 msec
                                                                   / frame
Pixel Clock
                    = 71.000;
                                      // MHz
                                                       14.1 nsec
                                                                      \pm 0.5\%
                                                 =
Character Width
                    = 8;
                                      // Pixels
                                                      112.7 nsec
Scan Type
                    = NONINTERLACED;
                                                        // H Phase =
                                                                         1.1 %
Hor Sync Polarity
                                      // HBlank = 11.1% of HTotal
                    = POSITIVE;
Ver Sync Polarity
                    = NEGATIVE: // VBlank =
                                                      2.8% of VTotal
Hor Total Time
                    = 20.282:
                                      // (usec)
                                                        180 chars =
                                                                       1440 Pixels
Hor Addr Time
                    = 18.028;
                                      // (usec)
                                                        160 \text{ chars} =
                                                                       1280 Pixels
Hor Blank Start
                    = 18.028;
                                      // (usec)
                                                        160 \text{ chars} =
                                                                       1280 Pixels
                                                 =
Hor Blank Time
                    = 2.254:
                                      // (usec)
                                                         20 \text{ chars} =
                                                                        160 Pixels
                                                 =
Hor Sync Start
                    = 18.704;
                                      // (usec)
                                                            chars =
                                                                       1328 Pixels
                                                        166
// H Right Border
                                                          0 chars =
                    = 0.000:
                                      // (usec)
                                                                           0 Pixels
// H Front Porch
                    = 0.676;
                                      // (usec)
                                                            chars =
                                                                          48 Pixels
                                                          6
                                                 =
Hor Svnc Time
                    = 0.451:
                                                                          32 Pixels
                                      // (usec)
                                                 =
                                                          4
                                                            chars =
                                                                          80 Pixels
// H Back Porch
                    = 1.127;
                                      // (usec)
                                                 =
                                                         10 chars =
// H Left Border
                    = 0.000;
                                      // (usec)
                                                 =
                                                          0
                                                            chars =
                                                                           0 Pixels
Ver Total Time
                    = 16.692:
                                      // (msec)
                                                        823 lines
                                                                      HT - (1.06xHA)
                                                 =
Ver Addr Time
                    = 16.225;
                                      // (msec)
                                                        800 lines
                                                                           = 1.17
                                                 =
Ver Blank Start
                    = 16.225;
                                      // (msec)
                                                        800 lines
                                                 =
Ver Blank Time
                                                        23 lines
                    = 0.466;
                                      // (msec)
                                                 =
Ver Sync Start
                    = 16.286;
                                      // (msec)
                                                        803 lines
                                                 =
// V Bottom Border
                    = 0.000:
                                                          0 lines
                                      // (msec)
                                                 =
// V Front Porch
                    = 0.061;
                                      // (msec)
                                                          3 lines
                                                 =
Ver Svnc Time
                    = 0.122:
                                      // (msec)
                                                 =
                                                          6 lines
// V Back Porch
                    = 0.284:
                                      // (msec)
                                                         14 lines
                                                 =
// V Top Border
                    = 0.000:
                                      // (msec)
                                                          0 lines
```

Adopted: 5/1/07

Resolution: 1280 x 800 at 60 Hz (non-interlaced)

EDID ID: DMT ID: 1Ch; STD 2 Byte Code: (81, 00)h; CVT 3 Byte Code: (8F, 18, 28)h

Method: CVT Compliant

Detailed Timing Parameters

```
Timing Name
                    = 1280 x 800 @ 60Hz;
Hor Pixels
                    = 1280:
                                      // Pixels
Ver Pixels
                                      // Lines
                    = 800;
                                                                    / line
                    = 49.702:
Hor Frequency
                                      // kHz
                                                        20.1 usec
                                                  =
Ver Frequency
                     = 59.810;
                                      // Hz
                                                        16.7 msec
                                                                    / frame
Pixel Clock
                     = 83.500;
                                      // MHz
                                                        12.0 nsec
                                                                       \pm 0.5\%
                                                  =
Character Width
                    = 8;
                                      // Pixels
                                                  =
                                                       95.8 nsec
Scan Type
                     = NONINTERLACED;
                                                         // H Phase =
                                                                          3.8 %
                    = NEGATIVE; // HBlank = 23.8% of HTotal
Hor Sync Polarity
Ver Sync Polarity
                                      // VBlank =
                                                       3.7% of VTotal
                     = POSITIVE:
Hor Total Time
                    = 20.120:
                                      // (usec)
                                                        210 \text{ chars} =
                                                                        1680 Pixels
Hor Addr Time
                    = 15.329;
                                      // (usec)
                                                        160 \text{ chars} =
                                                                        1280 Pixels
Hor Blank Start
                    = 15.329:
                                      // (usec)
                                                        160 \text{ chars} =
                                                                        1280 Pixels
                                                  =
Hor Blank Time
                    = 4.790;
                                      // (usec)
                                                         50 \text{ chars} =
                                                                         400 Pixels
                                                  =
Hor Sync Start
                     = 16.192;
                                      // (usec)
                                                        169
                                                             chars =
                                                                        1352 Pixels
// H Right Border
                    = 0.000:
                                                           0
                                      // (usec)
                                                             chars =
                                                                            0 Pixels
// H Front Porch
                    = 0.862:
                                      // (usec)
                                                           9
                                                             chars =
                                                                           72 Pixels
                                                  =
                                                                         128 Pixels
Hor Svnc Time
                    = 1.533:
                                                         16 \text{ chars} =
                                      // (usec)
// H Back Porch
                    = 2.395;
                                                                         200 Pixels
                                      // (usec)
                                                  =
                                                         25
                                                             chars =
// H Left Border
                     = 0.000;
                                      // (usec)
                                                  =
                                                           0
                                                             chars =
                                                                            0 Pixels
Ver Total Time
                    = 16.720;
                                      // (msec)
                                                        831 lines
                                                                       HT - (1.06xHA)
                                                  =
Ver Addr Time
                    = 16.096;
                                      // (msec)
                                                        800 lines
                                                                            = 3.87
                                                  =
Ver Blank Start
                    = 16.096;
                                      // (msec)
                                                        800 lines
                                                  =
Ver Blank Time
                    = 0.624;
                                                         31 lines
                                      // (msec)
                                                  =
Ver Sync Start
                    = 16.156;
                                      // (msec)
                                                        803 lines
                                                  =
// V Bottom Border
                    = 0.000:
                                                           0 lines
                                      // (msec)
                                                  =
// V Front Porch
                    = 0.060;
                                      // (msec)
                                                           3 lines
                                                  =
Ver Svnc Time
                    = 0.121:
                                      // (msec)
                                                  =
                                                           6 lines
// V Back Porch
                    = 0.443:
                                      // (msec)
                                                         22 lines
                                                  =
// V Top Border
                     = 0.000:
                                      // (msec)
                                                           0 lines
```

Adopted: 5/1/07

Resolution: 1280 x 800 at 75 Hz (non-interlaced)

EDID ID: DMT ID: 1Dh; STD 2 Byte Code: (81, 0F)h; CVT 3 Byte Code: (8F, 18, 44)h

Method: CVT Compliant

Detailed Timing Parameters

```
Timing Name
                    = 1280 x 800 @ 75Hz;
Hor Pixels
                    = 1280:
                                       // Pixels
Ver Pixels
                                       // Lines
                     = 800;
                                                        15.9 usec
                     = 62.795:
                                       // kHz
                                                                     / line
Hor Frequency
                                                  =
                     = 74.934;
Ver Frequency
                                       // Hz
                                                        13.3 msec
                                                                     / frame
Pixel Clock
                     = 106.500;
                                       // MHz
                                                         9.4 nsec
                                                                       \pm 0.5\%
                                                  =
Character Width
                     = 8;
                                       // Pixels
                                                  =
                                                        75.1 nsec
Scan Type
                     = NONINTERLACED;
                                                         // H Phase =
                                                                           3.8 %
                     = NEGATIVE; // HBlank = 24.5% of HTotal
Hor Sync Polarity
Ver Sync Polarity
                                      // VBlank =
                                                       4.5% of VTotal
                     = POSITIVE:
Hor Total Time
                     = 15.925;
                                       // (usec)
                                                         212 \text{ chars} =
                                                                         1696 Pixels
Hor Addr Time
                     = 12.019;
                                       // (usec)
                                                         160 \text{ chars} =
                                                                         1280 Pixels
Hor Blank Start
                     = 12.019:
                                       // (usec)
                                                         160 \text{ chars} =
                                                                         1280 Pixels
                                                  =
Hor Blank Time
                     = 3.906;
                                       // (usec)
                                                          52 \text{ chars} =
                                                                          416 Pixels
                                                  =
Hor Sync Start
                     = 12.770;
                                       // (usec)
                                                         170 \text{ chars} =
                                                                         1360 Pixels
// H Right Border
                     = 0.000:
                                       // (usec)
                                                           \mathbf{0} chars =
                                                                            0 Pixels
// H Front Porch
                     = 0.751;
                                       // (usec)
                                                          10 \text{ chars} =
                                                                           80 Pixels
                                                  =
                                                                          128 Pixels
Hor Svnc Time
                     = 1.202:
                                                          16
                                       // (usec)
                                                  =
                                                             chars =
// H Back Porch
                                                                          208 Pixels
                     = 1.953;
                                       // (usec)
                                                  =
                                                          26 chars =
// H Left Border
                     = 0.000;
                                       // (usec)
                                                  =
                                                           0
                                                              chars =
                                                                            0 Pixels
Ver Total Time
                     = 13.345:
                                       // (msec)
                                                         838 lines
                                                                       HT - (1.06xHA)
                                                  =
Ver Addr Time
                     = 12.740;
                                       // (msec)
                                                         800 lines
                                                                            = 3.18
                                                  =
Ver Blank Start
                     = 12.740;
                                       // (msec)
                                                         800 lines
                                                  =
Ver Blank Time
                     = 0.605;
                                                          38 lines
                                       // (msec)
                                                  =
Ver Sync Start
                     = 12.788;
                                       // (msec)
                                                         803 lines
                                                  =
// V Bottom Border
                     = 0.000:
                                                           0 lines
                                       // (msec)
                                                  =
// V Front Porch
                     = 0.048;
                                       // (msec)
                                                           3 lines
                                                  =
Ver Svnc Time
                     = 0.096;
                                       // (msec)
                                                  =
                                                           6 lines
// V Back Porch
                     = 0.462:
                                       // (msec)
                                                          29 lines
                                                  =
// V Top Border
                     = 0.000:
                                       // (msec)
                                                           0 lines
```

Adopted: 5/1/07

Resolution: 1280 x 800 at 85 Hz (non-interlaced)

EDID ID: DMT ID: 1Eh; STD 2 Byte Code: (81, 19)h; CVT 3 Byte Code: (8F, 18, 62)h

Method: CVT Compliant

Detailed Timing Parameters

```
= 1280 \times 800 @ 85Hz;
Timing Name
Hor Pixels
                    = 1280:
                                       // Pixels
Ver Pixels
                                       // Lines
                     = 800;
                                                                     / line
Hor Frequency
                     = 71.554:
                                       // kHz
                                                        14.0 usec
                                                  =
Ver Frequency
                     = 84.880;
                                       // Hz
                                                        11.8 msec
                                                                    / frame
Pixel Clock
                     = 122.500;
                                      // MHz
                                                         8.2 nsec
                                                                       \pm 0.5\%
                                                  =
                                       // Pixels
                                                        65.3 nsec
Character Width
                     = 8;
                                                  =
Scan Type
                     = NONINTERLACED;
                                                         // H Phase =
                                                                          4.0 %
                     = NEGATIVE; // HBlank = 25.2% of HTotal
Hor Sync Polarity
Ver Sync Polarity
                                      // VBlank =
                                                       5.1% of VTotal
                     = POSITIVE:
Hor Total Time
                     = 13.976;
                                       // (usec)
                                                         214 chars =
                                                                        1712 Pixels
Hor Addr Time
                     = 10.449;
                                       // (usec)
                                                         160 \text{ chars} =
                                                                        1280 Pixels
Hor Blank Start
                     = 10.449:
                                      // (usec)
                                                         160 \text{ chars} =
                                                                        1280 Pixels
                                                  =
Hor Blank Time
                     = 3.527;
                                      // (usec)
                                                         54 chars =
                                                                          432 Pixels
                                                  =
Hor Sync Start
                     = 11.102:
                                      // (usec)
                                                         170 \text{ chars} =
                                                                        1360 Pixels
// H Right Border
                     = 0.000:
                                       // (usec)
                                                           \mathbf{0} chars =
                                                                            0 Pixels
// H Front Porch
                     = 0.653:
                                       // (usec)
                                                             chars =
                                                                           80 Pixels
                                                          10
                                                  =
                                                                          136 Pixels
Hor Svnc Time
                     = 1.110:
                                      // (usec)
                                                  =
                                                          17
                                                              chars =
// H Back Porch
                     = 1.763;
                                      // (usec)
                                                  =
                                                          27 chars =
                                                                          216 Pixels
// H Left Border
                     = 0.000;
                                       // (usec)
                                                  =
                                                           \mathbf{0} chars =
                                                                            0 Pixels
Ver Total Time
                     = 11.781:
                                      // (msec)
                                                         843 lines
                                                                       HT - (1.06xHA)
                                                  =
Ver Addr Time
                     = 11.180:
                                       // (msec)
                                                         800 lines
                                                                            = 2.9
                                                  =
Ver Blank Start
                     = 11.180;
                                       // (msec)
                                                         800 lines
                                                  =
Ver Blank Time
                                                         43 lines
                     = 0.601;
                                      // (msec)
                                                  =
Ver Sync Start
                     = 11.222;
                                      // (msec)
                                                         803 lines
                                                  =
// V Bottom Border
                     = 0.000:
                                                           0 lines
                                      // (msec)
                                                  =
// V Front Porch
                     = 0.042;
                                       // (msec)
                                                           3 lines
                                                  =
Ver Svnc Time
                     = 0.084:
                                       // (msec)
                                                  =
                                                           6 lines
// V Back Porch
                     = 0.475:
                                       // (msec)
                                                          34 lines
                                                  =
// V Top Border
                     = 0.000:
                                       // (msec)
                                                           0 lines
```

Adopted: 5/1/07

Resolution: 1280 x 800 at 120 Hz (non-interlaced) REDUCED BLANKING EDID ID: DMT ID: 1Fh; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a

Method: Generated using CVT (Reduced Blanking) Formula

Detailed Timing Parameters

```
Timing Name
                       1280 x 800 @ 120Hz CVT (Reduced Blanking);
                    = 1280:
Hor Pixels
                                      // Pixels
Ver Pixels
                     = 800;
                                      // Lines
Hor Frequency
                     = 101.563;
                                      // kHz
                                                         9.8 usec
                                                                     / line
Ver Frequency
                     = 119.909;
                                                         8.3 msec
                                                                     / frame
                                      // Hz
                                                  =
Pixel Clock
                     = 146.250:
                                      // MHz
                                                  =
                                                         6.8 nsec
                                                                       \pm 0.5\%
Character Width
                     = 8;
                                      // Pixels
                                                  =
                                                        54.7 nsec
Scan Type
                     = NONINTERLACED;
                                                         // H Phase =
                                                                          1.1 %
                                                     11.1% of HTotal
Hor Sync Polarity
                     = POSITIVE;
                                      // HBlank =
Ver Svnc Polarity
                     = NEGATIVE
                                      // VBlank
                                                       5.5% of VTotal
                     = 9.846;
Hor Total Time
                                      // (usec)
                                                         180 chars =
                                                                        1440 Pixels
Hor Addr Time
                     = 8.752:
                                                                        1280 Pixels
                                      // (usec)
                                                         160 \text{ chars} =
Hor Blank Start
                     = 8.752:
                                      // (usec)
                                                         160
                                                              chars =
                                                                        1280 Pixels
Hor Blank Time
                     = 1.094:
                                      // (usec)
                                                          20
                                                              chars =
                                                                          160 Pixels
Hor Sync Start
                     = 9.080;
                                      // (usec)
                                                  =
                                                         166 chars =
                                                                        1328 Pixels
// H Right Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                              chars =
                                                                            0 Pixels
// H Front Porch
                     = 0.328;
                                      // (usec)
                                                             chars =
                                                                           48 Pixels
                                                  =
                                                           6
Hor Sync Time
                     = 0.219:
                                      // (usec)
                                                              chars =
                                                                           32 Pixels
// H Back Porch
                     = 0.547:
                                      // (usec)
                                                          10 \text{ chars} =
                                                                           80 Pixels
                                                  =
// H Left Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                           \mathbf{0} chars =
                                                                            0 Pixels
Ver Total Time
                     = 8.340:
                                      // (msec)
                                                        847 lines
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 7.877;
                                      // (msec)
                                                        800 lines
                                                                            = 0.57
                                                  =
Ver Blank Start
                     = 7.877:
                                      // (msec)
                                                  =
                                                        800 lines
Ver Blank Time
                     = 0.463;
                                      // (msec)
                                                          47 lines
                                                  =
                                                        803 lines
Ver Sync Start
                     = 7.906;
                                      // (msec)
// V Bottom Border
                     = 0.000:
                                      // (msec)
                                                  =
                                                           0 lines
// V Front Porch
                     = 0.030;
                                      // (msec)
                                                  =
                                                           3 lines
Ver Sync Time
                     = 0.059;
                                                           6 lines
                                      // (msec)
                                                  =
// V Back Porch
                     = 0.374;
                                      // (msec)
                                                          38 lines
                                                  =
// V Top Border
                                                           0 lines
                     = 0.000:
                                       // (msec)
```

Adopted: 3/1/96

Resolution: 1280 x 960 at 60 Hz (non-interlaced)

EDID ID: DMT ID: 20h; STD 2 Byte Code: (81, 40)h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1280 \times 960 @ 60Hz;
Hor Pixels
                    = 1280:
                                      // Pixels
Ver Pixels
                                      // Lines
                    = 960:
                    = 60.000;
                                      // kHz
Hor Frequency
                                                       16.7 usec
                                                                   / line
                                                 =
Ver Frequency
                    = 60.000;
                                      // Hz
                                                 =
                                                       16.7 msec
                                                                   / frame
Pixel Clock
                    = 108.000;
                                      // MHz
                                                 =
                                                        9.3 nsec
                                                                     \pm 0.5\%
Character Width
                    = 8;
                                      // Pixels
                                                       74.1 nsec
Scan Type
                                                       // H Phase =
                                                                         6.0 %
                    = NONINTERLACED;
Hor Sync Polarity
                    = POSITIVE:
                                      // HBlank =
                                                    28.9% of HTotal
Ver Sync Polarity
                    = POSITIVE;
                                      // VBlank =
                                                      4.0% of VTotal
                                                       225 chars =
Hor Total Time
                                                                       1800 Pixels
                    = 16.667;
                                      // (usec)
Hor Addr Time
                                                                       1280 Pixels
                    = 11.852;
                                      // (usec)
                                                       160 \text{ chars} =
Hor Blank Start
                    = 11.852;
                                      // (usec)
                                                 =
                                                       160 chars =
                                                                       1280 Pixels
Hor Blank Time
                    = 4.815;
                                      // (usec)
                                                        65
                                                            chars =
                                                                        520 Pixels
                                                 =
                                                                       1376 Pixels
Hor Sync Start
                    = 12.741;
                                      // (usec)
                                                       172 chars =
                                                 =
// H Right Border
                                                         \mathbf{0} chars =
                    = 0.000;
                                      // (usec)
                                                                          0 Pixels
                                                 =
// H Front Porch
                    = 0.889:
                                      // (usec)
                                                        12 \text{ chars} =
                                                                         96 Pixels
                                                 =
                                                                        112 Pixels
Hor Sync Time
                    = 1.037;
                                      // (usec)
                                                        14
                                                            chars =
                                                 =
// H Back Porch
                    = 2.889:
                                                        39
                                                                        312 Pixels
                                      // (usec)
                                                 =
                                                            chars =
// H Left Border
                    = 0.000;
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                          0 Pixels
Ver Total Time
                                                                     HT - (1.06xHA)
                    = 16.667:
                                      // (msec)
                                                      1000 lines
Ver Addr Time
                    = 16.000:
                                      // (msec)
                                                       960 lines
                                                                          = 4.1
Ver Blank Start
                                                       960 lines
                    = 16.000;
                                      // (msec)
Ver Blank Time
                    = 0.667;
                                      // (msec)
                                                 =
                                                        40 lines
Ver Svnc Start
                    = 16.017:
                                      // (msec)
                                                       961 lines
// V Bottom Border = 0.000:
                                      // (msec)
                                                          0 lines
// V Front Porch
                    = 0.017:
                                      // (msec)
                                                          1 lines
                                                 =
Ver Svnc Time
                    = 0.050:
                                      // (msec)
                                                          3 lines
// V Back Porch
                    = 0.600;
                                      // (msec)
                                                 =
                                                        36 lines
// V Top Border
                                                          0 lines
                    = 0.000;
                                      // (msec)
```

Adopted: 3/1/96

Resolution: 1280 x 960 at 85 Hz (non-interlaced)

EDID ID: DMT ID: 21h; STD 2 Byte Code: (81, 59)h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1280 \times 960 \otimes 85Hz;
                                      // Pixels
Hor Pixels
                    = 1280:
Ver Pixels
                                      // Lines
                    = 960:
                    = 85.938;
                                      // kHz
Hor Frequency
                                                       11.6 usec
                                                                   / line
Ver Frequency
                    = 85.002;
                                      // Hz
                                                 =
                                                       11.8 msec
                                                                   / frame
Pixel Clock
                    = 148.500;
                                      // MHz
                                                 =
                                                        6.7 nsec
                                                                     \pm 0.5\%
Character Width
                    = 8;
                                      // Pixels
                                                       53.9 nsec
Scan Type
                                                       // H Phase =
                    = NONINTERLACED;
                                                                        4.6 %
Hor Sync Polarity
                    = POSITIVE:
                                      // HBlank = 25.9% of HTotal
Ver Sync Polarity
                    = POSITIVE;
                                      // VBlank =
                                                      5.0% of VTotal
                                                       216 chars =
Hor Total Time
                    = 11.636;
                                                                       1728 Pixels
                                      // (usec)
Hor Addr Time
                                                                       1280 Pixels
                    = 8.620;
                                      // (usec)
                                                 =
                                                       160 \text{ chars} =
Hor Blank Start
                    = 8.620;
                                      // (usec)
                                                 =
                                                       160 chars =
                                                                       1280 Pixels
Hor Blank Time
                    = 3.017;
                                      // (usec)
                                                        56 \text{ chars} =
                                                                        448 Pixels
                                                 =
                                                                       1344 Pixels
Hor Sync Start
                    = 9.051;
                                      // (usec)
                                                       168 chars =
                                                 =
// H Right Border
                                                                          0 Pixels
                    = 0.000;
                                      // (usec)
                                                         0
                                                            chars =
                                                 =
// H Front Porch
                    = 0.431:
                                      // (usec)
                                                         8
                                                            chars =
                                                                         64 Pixels
                                                 =
                                                                        160 Pixels
Hor Sync Time
                    = 1.077;
                                      // (usec)
                                                        20
                                                            chars =
                                                 =
// H Back Porch
                                                                        224 Pixels
                    = 1.508;
                                      // (usec)
                                                 =
                                                        28
                                                            chars =
// H Left Border
                    = 0.000;
                                      // (usec)
                                                         \mathbf{0} chars =
                                                                          0 Pixels
Ver Total Time
                                                                     HT - (1.06xHA)
                    = 11.764;
                                      // (msec)
                                                      1011 lines
                                                 =
Ver Addr Time
                    = 11.171:
                                      // (msec)
                                                       960 lines
                                                                          = 2.5
Ver Blank Start
                                                       960 lines
                    = 11.171;
                                      // (msec)
Ver Blank Time
                    = 0.593;
                                      // (msec)
                                                        51 lines
                                                 =
Ver Sync Start
                    = 11.183:
                                      // (msec)
                                                       961 lines
// V Bottom Border = 0.000:
                                      // (msec)
                                                         0 lines
// V Front Porch
                    = 0.012:
                                      // (msec)
                                                         1 lines
                                                 =
Ver Svnc Time
                    = 0.035:
                                      // (msec)
                                                 =
                                                         3 lines
// V Back Porch
                    = 0.547;
                                      // (msec)
                                                 =
                                                        47 lines
// V Top Border
                                                         0 lines
                    = 0.000;
                                      // (msec)
```

Adopted: 5/1/07

Resolution: 1280 x 960 at 120 Hz (non-interlaced) REDUCED BLANKING EDID ID: DMT ID: 22h; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a

Method: Generated using CVT (Reduced Blanking) Formula

Detailed Timing Parameters

```
Timing Name
                       1280 x 960 @ 120Hz CVT (Reduced Blanking);
Hor Pixels
                    = 1280;
                                      // Pixels
Ver Pixels
                                      // Lines
                     = 960;
Hor Frequency
                     = 121.875:
                                      // kHz
                                                         8.2 usec
                                                                     / line
Ver Frequency
                     = 119.838;
                                                         8.3 msec
                                                                     / frame
                                      // Hz
                                                  =
Pixel Clock
                     = 175.500:
                                      // MHz
                                                  =
                                                         5.7 nsec
                                                                       \pm 0.5\%
Character Width
                     = 8;
                                      // Pixels
                                                  =
                                                        45.6 nsec
                     = NONINTERLACED;
Scan Type
                                                         // H Phase =
                                                                          1.1 %
                                                     11.1% of HTotal
Hor Sync Polarity
                     = POSITIVE;
                                      // HBlank =
Ver Svnc Polarity
                     = NEGATIVE
                                      // VBlank
                                                       5.6% of VTotal
                     = 8.205:
Hor Total Time
                                      // (usec)
                                                         180 chars =
                                                                        1440 Pixels
Hor Addr Time
                     = 7.293:
                                                                        1280 Pixels
                                      // (usec)
                                                         160 \text{ chars} =
Hor Blank Start
                     = 7.293:
                                      // (usec)
                                                         160
                                                              chars =
                                                                        1280 Pixels
Hor Blank Time
                     = 0.912;
                                      // (usec)
                                                          20
                                                              chars =
                                                                          160 Pixels
Hor Sync Start
                     = 7.567;
                                      // (usec)
                                                  =
                                                         166 chars =
                                                                        1328 Pixels
// H Right Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                              chars =
                                                                            0 Pixels
// H Front Porch
                     = 0.274;
                                      // (usec)
                                                             chars =
                                                                           48 Pixels
                                                  =
                                                           6
Hor Sync Time
                     = 0.182:
                                      // (usec)
                                                              chars =
                                                                           32 Pixels
// H Back Porch
                                      // (usec)
                                                          10 \text{ chars} =
                                                                           80 Pixels
                     = 0.456;
                                                  =
// H Left Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                           \mathbf{0} chars =
                                                                            0 Pixels
Ver Total Time
                     = 8.345:
                                      // (msec)
                                                       1017 lines
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 7.877;
                                      // (msec)
                                                        960 lines
                                                                            = 0.47
                                                  =
Ver Blank Start
                     = 7.877:
                                      // (msec)
                                                        960 lines
Ver Blank Time
                     = 0.468;
                                      // (msec)
                                                          57 lines
                                                  =
                                                        963 lines
Ver Sync Start
                     = 7.902;
                                      // (msec)
// V Bottom Border
                     = 0.000:
                                      // (msec)
                                                  =
                                                           0 lines
// V Front Porch
                     = 0.025;
                                      // (msec)
                                                  =
                                                           3 lines
Ver Sync Time
                     = 0.033;
                                                           4 lines
                                      // (msec)
                                                  =
// V Back Porch
                     = 0.410;
                                      // (msec)
                                                          50 lines
                                                  =
// V Top Border
                                                           0 lines
                     = 0.000:
                                       // (msec)
```

Adopted: 12/18/96

Resolution: 1280 x 1024 at 60 Hz (non-interlaced)

EDID ID: DMT ID: 23h; STD 2 Byte Code: (81, 80)h; CVT 3 Byte Code: n/a

BIOS Modes: 106h, 107h, 119h, 11Ah, & 11Bh (4, 8, 15, 16, & 24 bpp)

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1280 \times 1024 @ 60Hz:
Hor Pixels
                    = 1280:
                                      // Pixels
Ver Pixels
                    = 1024;
                                      // Lines
Hor Frequency
                    = 63.981:
                                      // kHz
                                                       15.6 usec
                                                                   / line
Ver Frequency
                    = 60.020;
                                      // Hz
                                                 =
                                                       16.7 msec
                                                                   / frame
Pixel Clock
                    = 108.000:
                                      // MHz
                                                        9.3 nsec
                                                                      \pm 0.5\%
                                                 =
Character Width
                    = 8;
                                      // Pixels
                                                       74.1 nsec
Scan Type
                    = NONINTERLACED;
                                                        // H Phase =
                                                                         5.9 %
Hor Sync Polarity
                    = POSITIVE:
                                      // HBlank = 24.2% of HTotal
Ver Sync Polarity
                    = POSITIVE:
                                      // VBlank =
                                                      3.9% of VTotal
Hor Total Time
                    = 15.630;
                                                       211 chars =
                                                                       1688 Pixels
                                      // (usec)
Hor Addr Time
                    = 11.852:
                                      // (usec)
                                                 =
                                                       160 chars =
                                                                       1280 Pixels
Hor Blank Start
                    = 11.852;
                                      // (usec)
                                                       160 \text{ chars} =
                                                                       1280 Pixels
                                                 =
Hor Blank Time
                    = 3.778;
                                      // (usec)
                                                        51 \text{ chars} =
                                                                        408 Pixels
                                                 =
Hor Sync Start
                    = 12.296;
                                                        166 chars =
                                                                       1328 Pixels
                                      // (usec)
// H Right Border
                    = 0.000;
                                                          \mathbf{0} chars =
                                                                          0 Pixels
                                      // (usec)
                                                 =
// H Front Porch
                    = 0.444:
                                      // (usec)
                                                         6 \text{ chars} =
                                                                         48 Pixels
                                                 =
Hor Svnc Time
                    = 1.037:
                                      // (usec)
                                                         14 chars =
                                                                        112 Pixels
                    = 2.296:
// H Back Porch
                                      // (usec)
                                                        31 \text{ chars} =
                                                                        248 Pixels
                                                 =
// H Left Border
                    = 0.000:
                                      // (usec)
                                                          0 chars =
                                                                          0 Pixels
Ver Total Time
                    = 16.661:
                                      // (msec)
                                                      1066 lines
                                                                      HT - (1.06xHA)
Ver Addr Time
                    = 16.005;
                                      // (msec)
                                                      1024 lines
                                                                          = 3.07
                                                 =
Ver Blank Start
                    = 16.005;
                                      // (msec)
                                                      1024 lines
                                                 =
Ver Blank Time
                                                        42 lines
                    = 0.656;
                                      // (msec)
Ver Sync Start
                    = 16.020;
                                      // (msec)
                                                      1025 lines
// V Bottom Border = 0.000:
                                      // (msec)
                                                          0 lines
                                                 =
// V Front Porch
                    = 0.016:
                                      // (msec)
                                                          1 lines
                                                 =
Ver Sync Time
                    = 0.047;
                                      // (msec)
                                                 =
                                                         3 lines
// V Back Porch
                    = 0.594;
                                      // (msec)
                                                         38 lines
                                                 =
// V Top Border
                    = 0.000:
                                      // (msec)
                                                          0 lines
                                                 =
```

Adopted: 10/4/93

Resolution: 1280 x 1024 at 75 Hz (non-interlaced)

EDID ID: DMT ID: 24h; STD 2 Byte Code: (81, 8F)h; CVT 3 Byte Code: n/a

BIOS Modes: 106h, 107h, 119h, 11Ah, & 11Bh (4, 8, 15, 16, & 24 bpp)

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1280 \times 1024 @ 75Hz:
Hor Pixels
                    = 1280:
                                      // Pixels
Ver Pixels
                     = 1024;
                                      // Lines
Hor Frequency
                     = 79.976;
                                      // kHz
                                                        12.5 usec
                                                                    / line
Ver Frequency
                                                        13.3 msec
                                                                    / frame
                     = 75.025:
                                      // Hz
Pixel Clock
                     = 135.000;
                                      // MHz
                                                         7.4 nsec
                                                                       \pm 0.5\%
                                                  =
Character Width
                     = 8:
                                      // Pixels
                                                        59.3 nsec
Scan Type
                                                        // H Phase =
                     = NONINTERLACED;
                                                                          6.9 %
                     = POSITIVE;
Hor Sync Polarity
                                      // HBlank = 24.2% of HTotal
Ver Sync Polarity
                     = POSITIVE;
                                      // VBlank =
                                                       3.9% of VTotal
Hor Total Time
                     = 12.504:
                                      // (usec)
                                                        211 \text{ chars} =
                                                                        1688 Pixels
Hor Addr Time
                     = 9.481:
                                      // (usec)
                                                        160 \text{ chars} =
                                                                        1280 Pixels
Hor Blank Start
                     = 9.481:
                                                                        1280 Pixels
                                      // (usec)
                                                        160 \text{ chars} =
                                                  =
Hor Blank Time
                     = 3.022:
                                      // (usec)
                                                         51 chars =
                                                                         408 Pixels
                                                  =
Hor Svnc Start
                                                        162 chars =
                                                                        1296 Pixels
                     = 9.600;
                                      // (usec)
// H Right Border
                     = 0.000:
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                            0 Pixels
                                                  =
// H Front Porch
                     = 0.119;
                                      // (usec)
                                                          2 \text{ chars} =
                                                                           16 Pixels
                                                  =
Hor Svnc Time
                     = 1.067:
                                      // (usec)
                                                                         144 Pixels
                                                  =
                                                         18 \text{ chars} =
// H Back Porch
                                      // (usec)
                                                         31 chars =
                                                                         248 Pixels
                     = 1.837;
                                                  =
// H Left Border
                     = 0.000:
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
Ver Total Time
                     = 13.329;
                                      // (msec)
                                                       1066 lines
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 12.804:
                                      // (msec)
                                                       1024 lines
                                                                           = 2.45
Ver Blank Start
                     = 12.804;
                                      // (msec)
                                                       1024 lines
                                                  =
Ver Blank Time
                     = 0.525:
                                      // (msec)
                                                         42 lines
Ver Sync Start
                     = 12.816;
                                                       1025 lines
                                      // (msec)
                                                  =
// V Bottom Border = 0.000;
                                      // (msec)
                                                          0 lines
                                                  =
// V Front Porch
                     = 0.013;
                                      // (msec)
                                                  =
                                                          1 lines
Ver Sync Time
                                                          3 lines
                     = 0.038;
                                      // (msec)
                                                  =
// V Back Porch
                     = 0.475:
                                      // (msec)
                                                         38 lines
// V Top Border
                     = 0.000;
                                                          0 lines
                                      // (msec)
                                                  =
```

Adopted: 3/1/96

Resolution: 1280 x 1024 at 85 Hz (non-interlaced)

EDID ID: DMT ID: 25h; STD 2 Byte Code: (81, 99)h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1280 \times 1024 \otimes 85Hz;
Hor Pixels
                    = 1280:
                                     // Pixels
Ver Pixels
                                     // Lines
                    = 1024:
                    = 91.146;
                                     // kHz
Hor Frequency
                                                      11.0 usec
                                                                   / line
                                                 =
Ver Frequency
                    = 85.024;
                                     // Hz
                                                 =
                                                      11.8 msec
                                                                   / frame
Pixel Clock
                    = 157.500;
                                     // MHz
                                                 =
                                                       6.3 nsec
                                                                     \pm 0.5\%
Character Width
                                     // Pixels
                                                      50.8 nsec
                    = 8;
Scan Type
                                                       // H Phase =
                    = NONINTERLACED;
                                                                        4.6 %
Hor Sync Polarity
                    = POSITIVE:
                                     // HBlank =
                                                    25.9% of HTotal
Ver Sync Polarity
                    = POSITIVE;
                                     // VBlank =
                                                      4.5% of VTotal
                                                       216 chars =
Hor Total Time
                    = 10.971;
                                                                       1728 Pixels
                                     // (usec)
Hor Addr Time
                                                                       1280 Pixels
                    = 8.127;
                                     // (usec)
                                                 =
                                                       160 \text{ chars} =
Hor Blank Start
                    = 8.127;
                                     // (usec)
                                                 =
                                                       160 chars =
                                                                       1280 Pixels
Hor Blank Time
                    = 2.844;
                                     // (usec)
                                                        56 \text{ chars} =
                                                                        448 Pixels
                                                 =
                                                                       1344 Pixels
Hor Sync Start
                    = 8.533;
                                     // (usec)
                                                       168 chars =
                                                 =
// H Right Border
                                                                          0 Pixels
                    = 0.000;
                                     // (usec)
                                                         0
                                                            chars =
                                                 =
// H Front Porch
                    = 0.406:
                                     // (usec)
                                                         8
                                                            chars =
                                                                         64 Pixels
                                                 =
                                                                        160 Pixels
Hor Sync Time
                    = 1.016;
                                     // (usec)
                                                        20
                                                            chars =
                                                 =
// H Back Porch
                    = 1.422:
                                                        28 chars =
                                                                        224 Pixels
                                     // (usec)
                                                 =
// H Left Border
                    = 0.000;
                                     // (usec)
                                                         \mathbf{0} chars =
                                                                          0 Pixels
Ver Total Time
                                                      1072 lines
                                                                     HT - (1.06xHA)
                    = 11.761;
                                     // (msec)
                    = 11.235:
                                                      1024 lines
Ver Addr Time
                                     // (msec)
                                                                          = 2.36
Ver Blank Start
                                                      1024 lines
                    = 11.235;
                                     // (msec)
Ver Blank Time
                    = 0.527;
                                     // (msec)
                                                 =
                                                        48 lines
Ver Svnc Start
                    = 11.246:
                                     // (msec)
                                                      1025 lines
// V Bottom Border = 0.000:
                                     // (msec)
                                                         0 lines
// V Front Porch
                    = 0.011:
                                     // (msec)
                                                         1 lines
                                                 =
Ver Svnc Time
                    = 0.033:
                                     // (msec)
                                                 =
                                                         3 lines
// V Back Porch
                    = 0.483;
                                     // (msec)
                                                 =
                                                        44 lines
// V Top Border
                                                         0 lines
                    = 0.000;
                                     // (msec)
```

Adopted: 5/1/07

Resolution: 1280 x 1024 at 120 Hz (non-interlaced) REDUCED BLANKING DMT ID: 26h; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a

Method: Generated using CVT (Reduced Blanking) Formula

Detailed Timing Parameters

```
Timing Name
                       1280 x 1024 @ 120Hz CVT (Reduced Blanking);
Hor Pixels
                    = 1280:
                                      // Pixels
Ver Pixels
                     = 1024;
                                      // Lines
Hor Frequency
                     = 130.035:
                                      // kHz
                                                         7.7 usec
                                                                     / line
Ver Frequency
                     = 119.958;
                                                         8.3 msec
                                      // Hz
                                                  =
                                                                     / frame
Pixel Clock
                     = 187.250;
                                      // MHz
                                                  =
                                                         5.3 nsec
                                                                       \pm 0.5\%
Character Width
                     = 8;
                                      // Pixels
                                                  =
                                                        42.7 nsec
Scan Type
                     = NONINTERLACED;
                                                         // H Phase =
                                                                          1.1 %
                                                     11.1% of HTotal
Hor Sync Polarity
                     = POSITIVE;
                                      // HBlank =
Ver Svnc Polarity
                     = NEGATIVE
                                      // VBlank
                                                       5.5% of VTotal
                     = 7.690;
Hor Total Time
                                      // (usec)
                                                         180 chars =
                                                                        1440 Pixels
Hor Addr Time
                     = 6.836;
                                                                        1280 Pixels
                                      // (usec)
                                                         160 \text{ chars} =
Hor Blank Start
                     = 6.836;
                                      // (usec)
                                                         160
                                                              chars =
                                                                        1280 Pixels
Hor Blank Time
                     = 0.854:
                                      // (usec)
                                                          20
                                                             chars =
                                                                          160 Pixels
Hor Sync Start
                     = 7.092;
                                      // (usec)
                                                  =
                                                         166 chars =
                                                                        1328 Pixels
// H Right Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                           0
                                                             chars =
                                                                            0 Pixels
// H Front Porch
                     = 0.256;
                                      // (usec)
                                                             chars =
                                                                           48 Pixels
                                                  =
                                                           6
Hor Sync Time
                     = 0.171:
                                      // (usec)
                                                              chars =
                                                                           32 Pixels
// H Back Porch
                                      // (usec)
                                                          10 \text{ chars} =
                                                                           80 Pixels
                     = 0.427:
                                                  =
// H Left Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                           \mathbf{0} chars =
                                                                            0 Pixels
Ver Total Time
                     = 8.336:
                                      // (msec)
                                                       1084 lines
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 7.875;
                                      // (msec)
                                                       1024 lines
                                                                            = 0.44
Ver Blank Start
                     = 7.875:
                                                       1024 lines
                                      // (msec)
Ver Blank Time
                     = 0.461;
                                      // (msec)
                                                          60 lines
                                                  =
Ver Sync Start
                     = 7.898;
                                      // (msec)
                                                       1027 lines
// V Bottom Border
                     = 0.000:
                                      // (msec)
                                                  =
                                                           0 lines
// V Front Porch
                     = 0.023;
                                      // (msec)
                                                  =
                                                           3 lines
Ver Sync Time
                     = 0.054;
                                                           7 lines
                                      // (msec)
                                                  =
// V Back Porch
                     = 0.385;
                                      // (msec)
                                                          50 lines
                                                  =
// V Top Border
                     = 0.000:
                                                           0 lines
                                      // (msec)
```

Adopted: 8/21/03

Resolution: 1360 x 768 at 60 Hz (non-interlaced)

EDID ID: DMT ID: 27h; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1360 \times 768 @ 60Hz;
                                       // Pixels
Hor Pixels
                     = 1360;
Ver Pixels
                                       // Lines
                     = 768;
Hor Frequency
                     = 47.712:
                                       // kHz
                                                        21.0 usec
                                                                     / line
Ver Frequency
                     = 60.015;
                                                        16.7 msec
                                                                     / frame
                                       // Hz
                                                   =
Pixel Clock
                     = 85.500;
                                       // MHz
                                                   =
                                                        11.7 nsec
                                                                        \pm 0.5\%
Character Width
                                       // Pixels
                                                        93.6 nsec
                     = 8;
                                                   =
                                                                           5.4 %
Scan Type
                     = NONINTERLACED;
                                                          // H Phase =
                                                      24.1% of HTotal
Hor Sync Polarity
                     = POSITIVE;
                                       // HBlank =
Ver Svnc Polarity
                     = POSITIVE;
                                       // VBlank
                                                        3.4% of VTotal
                     = 20.959:
Hor Total Time
                                       // (usec)
                                                         224 chars =
                                                                         1792 Pixels
Hor Addr Time
                     = 15.906;
                                                                         1360 Pixels
                                       // (usec)
                                                         170 \text{ chars} =
Hor Blank Start
                     = 15.906:
                                       // (usec)
                                                         170
                                                              chars =
                                                                         1360 Pixels
Hor Blank Time
                     = 5.053;
                                       // (usec)
                                                          54 \text{ chars} =
                                                                          432 Pixels
Hor Sync Start
                     = 16.655;
                                       // (usec)
                                                   =
                                                         178 chars =
                                                                         1424 Pixels
// H Right Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                           0
                                                              chars =
                                                                             0 Pixels
// H Front Porch
                     = 0.749;
                                       // (usec)
                                                           8 \text{ chars} =
                                                                           64 Pixels
                                                   =
Hor Sync Time
                     = 1.310:
                                       // (usec)
                                                          14 chars =
                                                                           112 Pixels
// H Back Porch
                     = 2.994;
                                       // (usec)
                                                          32 chars =
                                                                          256 Pixels
                                                   =
// H Left Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                           \mathbf{0} chars =
                                                                             0 Pixels
                                                         795 lines
Ver Total Time
                     = 16.662:
                                       // (msec)
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 16.097;
                                       // (msec)
                                                         768 lines
                                                                             = 4.1
                                                   =
Ver Blank Start
                     = 16.097:
                                       // (msec)
                                                         768 lines
Ver Blank Time
                     = 0.566;
                                       // (msec)
                                                          27 lines
                                                   =
Ver Sync Start
                     = 16.159;
                                       // (msec)
                                                         771 lines
// V Bottom Border
                     = 0.000:
                                       // (msec)
                                                   =
                                                           0 lines
// V Front Porch
                     = 0.063;
                                       // (msec)
                                                   =
                                                           3 lines
Ver Sync Time
                     = 0.126;
                                                           6 lines
                                       // (msec)
                                                   =
// V Back Porch
                     = 0.377;
                                       // (msec)
                                                          18 lines
                                                   =
// V Top Border
                     = 0.000:
                                                           0 lines
                                       // (msec)
```

Adopted: 5/1/07

Resolution: 1360 x 768 at 120 Hz (non-interlaced) REDUCED BLANKING EDID ID: DMT ID: 28h; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a

Method: Generated using CVT (Reduced Blanking) Formula

Detailed Timing Parameters

```
Timing Name
                       1360 x 768 @ 120Hz CVT (Reduced Blanking);
Hor Pixels
                    = 1360;
                                      // Pixels
                                      // Lines
Ver Pixels
                     = 768;
Hor Frequency
                     = 97.533:
                                      // kHz
                                                        10.3 usec
                                                                     / line
Ver Frequency
                     = 119.967;
                                                         8.3 msec
                                                                     / frame
                                      // Hz
                                                  =
Pixel Clock
                     = 148.250;
                                      // MHz
                                                  =
                                                         6.7 nsec
                                                                       \pm 0.5\%
Character Width
                     = 8;
                                      // Pixels
                                                  =
                                                        54.0 nsec
                     = NONINTERLACED;
Scan Type
                                                         // H Phase =
                                                                          1.1 %
Hor Sync Polarity
                     = POSITIVE;
                                      // HBlank =
                                                      10.5% of HTotal
Ver Svnc Polarity
                     = NEGATIVE
                                      // VBlank
                                                       5.5% of VTotal
Hor Total Time
                     = 10.253:
                                      // (usec)
                                                         190 chars =
                                                                        1520 Pixels
Hor Addr Time
                     = 9.174;
                                                                        1360 Pixels
                                      // (usec)
                                                         170 \text{ chars} =
                     = 9.174:
Hor Blank Start
                                      // (usec)
                                                         170
                                                              chars =
                                                                        1360 Pixels
Hor Blank Time
                     = 1.079:
                                      // (usec)
                                                              chars =
                                                                          160 Pixels
                                                          20
Hor Sync Start
                     = 9.497;
                                      // (usec)
                                                  =
                                                         176 chars =
                                                                        1408 Pixels
// H Right Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                              chars =
                                                                            0 Pixels
// H Front Porch
                     = 0.324;
                                      // (usec)
                                                              chars =
                                                                           48 Pixels
                                                  =
                                                           6
Hor Sync Time
                     = 0.216:
                                      // (usec)
                                                              chars =
                                                                           32 Pixels
// H Back Porch
                                      // (usec)
                                                          10 \text{ chars} =
                                                                           80 Pixels
                     = 0.540;
                                                  =
// H Left Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                           \mathbf{0} chars =
                                                                            0 Pixels
Ver Total Time
                     = 8.336:
                                      // (msec)
                                                        813 lines
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 7.874;
                                      // (msec)
                                                        768 lines
                                                                            = 0.53
                                                  =
Ver Blank Start
                     = 7.874:
                                      // (msec)
                                                        768 lines
Ver Blank Time
                     = 0.461;
                                      // (msec)
                                                          45 lines
                                                  =
Ver Sync Start
                     = 7.905;
                                      // (msec)
                                                        771 lines
// V Bottom Border
                                      // (msec)
                     = 0.000:
                                                  =
                                                           0 lines
// V Front Porch
                     = 0.031;
                                      // (msec)
                                                  =
                                                           3 lines
Ver Sync Time
                     = 0.051;
                                                           5 lines
                                      // (msec)
                                                  =
// V Back Porch
                     = 0.379;
                                      // (msec)
                                                          37 lines
                                                  =
// V Top Border
                                                           0 lines
                     = 0.000:
                                       // (msec)
```

Proposed: 11/30/07 Adopted: 11/30/07

1366 x 768 at 60 Hz (non-interlaced) NORMAL BLANKING Resolution: DMT ID: 51h; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a **EDID ID:**

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1366 x 768 @ 60Hz:
Hor Pixels
                    = 1366;
                                      // Pixels
Ver Pixels
                    = 768;
                                      // Lines
                    = 47.712;
                                      // KHz
Hor Frequency
                                                       21.0 usec
                                                                    / line
Ver Frequency
                     = 59.790;
                                      // Hz
                                                        16.7 msec
                                                                      frame
Pixel Clock
                     = 85.500;
                                                                      \pm 0.5\%
                                      // MHz
                                                  =
                                                       11.7 nsec
Character Width
                     = 1;
                                      // Pixels
                                                        11.7 nsec
Scan Type
                     = NONINTERLACED;
                                                                          4.0 %
                                                         // H Phase =
Hor Sync Polarity
                     = POSITIVE:
                                      // HBlank =
                                                     23.8% of HTotal
Ver Sync Polarity
                     = POSITIVE;
                                      // VBlank =
                                                       3.8% of VTotal
                                                       1792 chars =
Hor Total Time
                    = 20.959:
                                                                        1792 Pixels
                                      // (usec)
Hor Addr Time
                    = 15.977:
                                      // (usec)
                                                       1366 \text{ chars} =
                                                                        1366 Pixels
                    = 15.977;
Hor Blank Start
                                      // (usec)
                                                       1366 chars =
                                                                        1366 Pixels
                                                  =
Hor Blank Time
                    = 4.982:
                                      // (usec)
                                                        426 chars =
                                                                         426 Pixels
Hor Sync Start
                    = 16.795;
                                      // (usec)
                                                  =
                                                       1436 \text{ chars} =
                                                                        1436 Pixels
// H Right Border
                    = 0.000:
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
                                                  =
// H Front Porch
                     = 0.819:
                                      // (usec)
                                                         70 chars =
                                                                          70 Pixels
Hor Sync Time
                    = 1.673;
                                      // (usec)
                                                        143 chars =
                                                                         143 Pixels
                                                  =
// H Back Porch
                    = 2.491:
                                      // (usec)
                                                        213 chars =
                                                                         213 Pixels
                                                  =
                                                          \mathbf{0} chars =
// H Left Border
                     = 0.000;
                                      // (usec)
                                                                           0 Pixels
Ver Total Time
                    = 16.725:
                                                        798 lines
                                                                      HT - (1.06xHA)
                                      // (msec)
Ver Addr Time
                    = 16.097;
                                      // (msec)
                                                        768 lines
                                                                           = 4.02
                                                  =
Ver Blank Start
                                                        768 lines
                    = 16.097;
                                      // (msec)
                                                  =
Ver Blank Time
                    = 0.629;
                                      // (msec)
                                                  =
                                                         30 lines
                                      // (msec)
Ver Sync Start
                    = 16.159;
                                                  =
                                                        771 lines
// V Bottom Border
                    = 0.000:
                                      // (msec)
                                                  =
                                                          0 lines
// V Front Porch
                     = 0.063;
                                      // (msec)
                                                          3 lines
                                                  =
Ver Sync Time
                    = 0.063;
                                      // (msec)
                                                          3 lines
                                                  =
// V Back Porch
                    = 0.503;
                                      // (msec)
                                                  =
                                                         24 lines
// V Top Border
                     = 0.000;
                                      // (msec)
                                                          0 lines
```

Proposed: 10/16/08 Adopted: TBD

Resolution: 1366 x 768 at 60 Hz (non-interlaced) REDUCED BLANKING EDID ID: DMT ID: 56h; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1366 x 768 @ 60Hz:
Hor Pixels
                    = 1366;
                                      // Pixels
Ver Pixels
                     = 768;
                                      // Lines
                     = 48.000:
                                      // KHz
Hor Frequency
                                                        20.8 usec
                                                                     / line
Ver Frequency
                     = 60.000:
                                      // Hz
                                                        16.7 msec
                                                                      frame
Pixel Clock
                                                        13.9 nsec
                                                                       \pm 0.5\%
                     = 72.000:
                                      // MHz
                                                  =
Character Width
                     = 1;
                                      // Pixels
                                                        13.9 nsec
Scan Type
                     = NONINTERLACED;
                                                                          1.7 %
                                                         // H Phase =
Hor Sync Polarity
                     = POSITIVE:
                                      // HBlank =
                                                       8.9% of HTotal
Ver Sync Polarity
                     = POSITIVE;
                                      // VBlank =
                                                       4.0% of VTotal
Hor Total Time
                     = 20.833;
                                                                        1500 Pixels
                                      // (usec)
                                                       1500 \text{ chars} =
Hor Addr Time
                     = 18.972:
                                      // (usec)
                                                       1366 \text{ chars} =
                                                                        1366 Pixels
                     = 18.972;
                                                                        1366 Pixels
Hor Blank Start
                                      // (usec)
                                                       1366 chars =
                                                  =
Hor Blank Time
                     = 1.861;
                                      // (usec)
                                                        134 chars =
                                                                          134 Pixels
Hor Sync Start
                     = 19.167;
                                      // (usec)
                                                  =
                                                       1380 \text{ chars} =
                                                                        1380 Pixels
// H Right Border
                     = 0.000:
                                      // (usec)
                                                           \mathbf{0} chars =
                                                                            0 Pixels
                                                  =
// H Front Porch
                     = 0.194:
                                      // (usec)
                                                             chars =
                                                  =
                                                         14
                                                                           14 Pixels
Hor Sync Time
                     = 0.778;
                                      // (usec)
                                                         56
                                                             chars =
                                                                           56 Pixels
                                                  =
// H Back Porch
                     = 0.889;
                                      // (usec)
                                                         64 chars =
                                                                           64 Pixels
                                                  =
                     = 0.000;
// H Left Border
                                      // (usec)
                                                           \mathbf{0} chars =
                                                                            0 Pixels
Ver Total Time
                     = 16.667:
                                                        800 lines
                                                                       HT - (1.06xHA)
                                      // (msec)
Ver Addr Time
                     = 16.000;
                                      // (msec)
                                                        768 lines
                                                                            = 0.72
                                                  =
Ver Blank Start
                                                        768 lines
                     = 16.000;
                                      // (msec)
                                                  =
Ver Blank Time
                     = 0.667:
                                      // (msec)
                                                  =
                                                         32 lines
Ver Sync Start
                     = 16.021;
                                      // (msec)
                                                  =
                                                        769 lines
// V Bottom Border
                    = 0.000:
                                      // (msec)
                                                  =
                                                           0 lines
// V Front Porch
                     = 0.021;
                                      // (msec)
                                                           1 lines
                                                  =
Ver Sync Time
                     = 0.063;
                                      // (msec)
                                                           3 lines
                                                  =
// V Back Porch
                     = 0.583;
                                      // (msec)
                                                  =
                                                         28 lines
// V Top Border
                     = 0.000;
                                      // (msec)
                                                           0 lines
```

Adopted: 8/21/03

Resolution: 1400 x 1050 at 60 Hz (non-interlaced) REDUCED BLANKING

EDID ID: DMT ID: 29h; STD 2 Byte Code: n/a; CVT 3 Byte Code: (0C, 20, 21)h

Method: CVT Reduced Blanking

Detailed Timing Parameters

```
Timing Name
                    = 1400 x 1050 @ 60Hz CVT (Reduced Blanking);
                                       // Pixels
Hor Pixels
                     = 1400:
Ver Pixels
                     = 1050;
                                       // Lines
Hor Frequency
                     = 64.744:
                                       // kHz
                                                        15.4 usec
                                                                     / line
Ver Frequency
                     = 59.948;
                                                        16.7 msec
                                                                     / frame
                                       // Hz
                                                  =
Pixel Clock
                     = 101.000:
                                       // MHz
                                                  =
                                                         9.9 nsec
                                                                       \pm 0.5\%
Character Width
                                       // Pixels
                                                  =
                                                        79.2 nsec
                     = 8;
Scan Type
                     = NONINTERLACED;
                                                         // H Phase =
                                                                           1.0 %
                                                      10.3% of HTotal
Hor Sync Polarity
                     = POSITIVE;
                                      // HBlank =
Ver Svnc Polarity
                     = NEGATIVE
                                      // VBlank
                                                       2.8% of VTotal
                     = 15.446;
Hor Total Time
                                       // (usec)
                                                         195 chars =
                                                                         1560 Pixels
Hor Addr Time
                     = 13.861:
                                                                         1400 Pixels
                                       // (usec)
                                                         175
                                                              chars =
Hor Blank Start
                     = 13.861:
                                       // (usec)
                                                         175
                                                              chars =
                                                                         1400 Pixels
                                                  =
Hor Blank Time
                     = 1.584;
                                       // (usec)
                                                          20 \text{ chars} =
                                                                          160 Pixels
Hor Sync Start
                     = 14.337;
                                       // (usec)
                                                  =
                                                         181 chars =
                                                                         1448 Pixels
// H Right Border
                     = 0.000:
                                       // (usec)
                                                  =
                                                           \mathbf{0} chars =
                                                                            0 Pixels
// H Front Porch
                     = 0.475;
                                       // (usec)
                                                  =
                                                              chars =
                                                                           48 Pixels
                                                           6
Hor Sync Time
                     = 0.317:
                                       // (usec)
                                                              chars =
                                                                           32 Pixels
                                                  =
// H Back Porch
                     = 0.792;
                                                          10 \text{ chars} =
                                                                           80 Pixels
                                       // (usec)
                                                  =
// H Left Border
                     = 0.000:
                                       // (usec)
                                                  =
                                                           \mathbf{0} chars =
                                                                            0 Pixels
Ver Total Time
                     = 16.681:
                                       // (msec)
                                                        1080 lines
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 16.218;
                                       // (msec)
                                                        1050 lines
                                                                            = 0.75
                                                  =
Ver Blank Start
                     = 16.218:
                                                        1050 lines
                                       // (msec)
Ver Blank Time
                     = 0.463;
                                       // (msec)
                                                          30 lines
                                                  =
Ver Sync Start
                     = 16.264;
                                       // (msec)
                                                        1053 lines
// V Bottom Border
                     = 0.000:
                                       // (msec)
                                                           0 lines
// V Front Porch
                     = 0.046;
                                       // (msec)
                                                  =
                                                           3 lines
Ver Sync Time
                     = 0.062;
                                                           4 lines
                                       // (msec)
                                                  =
// V Back Porch
                     = 0.355;
                                       // (msec)
                                                          23 lines
                                                  =
// V Top Border
                                                           0 lines
                     = 0.000:
                                       // (msec)
```

Adopted: 8/21/03

Resolution: 1400 x 1050 at 60 Hz (non-interlaced)

EDID ID: DMT ID: 2Ah; STD 2 Byte Code: (90, 40)h; CVT 3 Byte Code: (0C, 20, 28)h

Method: CVT Compliant

Detailed Timing Parameters

```
Timing Name
                    = 1400 x 1050 @ 60Hz;;
Hor Pixels
                    = 1400:
                                      // Pixels
Ver Pixels
                     = 1050;
                                      // Lines
Hor Frequency
                     = 65.317:
                                      // kHz
                                                        15.3 usec
                                                                    / line
Ver Frequency
                     = 59.978;
                                                        16.7 msec
                                                                    / frame
                                      // Hz
                                                  =
Pixel Clock
                     = 121.750:
                                      // MHz
                                                  =
                                                         8.2 nsec
                                                                       \pm 0.5\%
Character Width
                                      // Pixels
                                                        65.7 nsec
                     = 8;
                                                  =
                                                                          3.9 %
Scan Type
                     = NONINTERLACED;
                                                         // H Phase =
Hor Sync Polarity
                     = NEGATIVE // HBlank =
                                                     24.9% of HTotal
Ver Sync Polarity
                     = POSITIVE;
                                      // VBlank
                                                       3.6% of VTotal
                     = 15.310:
Hor Total Time
                                      // (usec)
                                                        233 chars =
                                                                        1864 Pixels
Hor Addr Time
                     = 11.499:
                                                                        1400 Pixels
                                      // (usec)
                                                        175
                                                             chars =
Hor Blank Start
                     = 11.499:
                                      // (usec)
                                                        175
                                                             chars =
                                                                        1400 Pixels
Hor Blank Time
                     = 3.811;
                                      // (usec)
                                                         58
                                                             chars =
                                                                         464 Pixels
Hor Sync Start
                     = 12.222;
                                      // (usec)
                                                  =
                                                        186 chars =
                                                                        1488 Pixels
// H Right Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                          \mathbf{0} chars =
                                                                            0 Pixels
// H Front Porch
                     = 0.723;
                                      // (usec)
                                                         11 chars =
                                                                          88 Pixels
                                                  =
Hor Sync Time
                     = 1.183:
                                      // (usec)
                                                  =
                                                         18
                                                             chars =
                                                                         144 Pixels
// H Back Porch
                     = 1.906:
                                      // (usec)
                                                             chars =
                                                                         232 Pixels
                                                         29
                                                  =
// H Left Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                          \mathbf{0} chars =
                                                                            0 Pixels
Ver Total Time
                     = 16.673:
                                      // (msec)
                                                       1089 lines
                                                                      HT - (1.06xHA)
Ver Addr Time
                     = 16.076;
                                      // (msec)
                                                       1050 lines
                                                                            = 3.12
                                                  =
Ver Blank Start
                                                       1050 lines
                     = 16.076:
                                      // (msec)
Ver Blank Time
                     = 0.597;
                                      // (msec)
                                                         39 lines
                                                  =
Ver Sync Start
                     = 16.121;
                                      // (msec)
                                                       1053 lines
// V Bottom Border
                    = 0.000:
                                      // (msec)
                                                  =
                                                           0 lines
// V Front Porch
                     = 0.046;
                                      // (msec)
                                                  =
                                                          3 lines
Ver Sync Time
                     = 0.061;
                                                           4 lines
                                      // (msec)
                                                  =
// V Back Porch
                     = 0.490;
                                      // (msec)
                                                         32 lines
                                                  =
// V Top Border
                     = 0.000:
                                                           0 lines
                                      // (msec)
```

Adopted: 8/21/03

Resolution: 1400 x 1050 at 75 Hz (non-interlaced)

EDID ID: DMT ID: 2Bh; STD 2 Byte Code: (90, 4F)h; CVT 3 Byte Code: (0C, 20, 44)h

Method: CVT Compliant

Detailed Timing Parameters

```
Timing Name
                    = 1400 \times 1050 @ 75Hz;
Hor Pixels
                     = 1400:
                                       // Pixels
Ver Pixels
                     = 1050;
                                       // Lines
Hor Frequency
                     = 82.278:
                                       // kHz
                                                        12.2 usec
                                                                     / line
Ver Frequency
                                                        13.4 msec
                                                                     / frame
                     = 74.867;
                                       // Hz
                                                  =
Pixel Clock
                     = 156.000:
                                       // MHz
                                                  =
                                                         6.4 nsec
                                                                       \pm 0.5\%
Character Width
                                       // Pixels
                                                        51.3 nsec
                     = 8;
                                                   =
                                                         // H Phase =
                                                                           3.8 %
Scan Type
                     = NONINTERLACED;
Hor Sync Polarity
                     = NEGATIVE // HBlank =
                                                      26.2% of HTotal
Ver Sync Polarity
                     = POSITIVE;
                                       // VBlank
                                                       4.5% of VTotal
                                                  =
Hor Total Time
                     = 12.154:
                                       // (usec)
                                                         237 \text{ chars} =
                                                                         1896 Pixels
Hor Addr Time
                     = 8.974;
                                                                         1400 Pixels
                                       // (usec)
                                                         175 \text{ chars} =
Hor Blank Start
                     = 8.974;
                                       // (usec)
                                                         175
                                                              chars =
                                                                         1400 Pixels
Hor Blank Time
                     = 3.179;
                                       // (usec)
                                                          62
                                                              chars =
                                                                          496 Pixels
Hor Sync Start
                     = 9.641;
                                       // (usec)
                                                  =
                                                         188 chars =
                                                                         1504 Pixels
// H Right Border
                     = 0.000:
                                       // (usec)
                                                  =
                                                           \mathbf{0} chars =
                                                                             0 Pixels
// H Front Porch
                     = 0.667;
                                       // (usec)
                                                          13 chars =
                                                                          104 Pixels
                                                  =
Hor Sync Time
                     = 0.923:
                                       // (usec)
                                                          18 chars =
                                                                          144 Pixels
// H Back Porch
                     = 1.590;
                                       // (usec)
                                                                          248 Pixels
                                                          31 chars =
                                                  =
// H Left Border
                     = 0.000;
                                       // (usec)
                                                  =
                                                           \mathbf{0} chars =
                                                                             0 Pixels
Ver Total Time
                     = 13.357:
                                       // (msec)
                                                        1099 lines
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 12.762;
                                       // (msec)
                                                        1050 lines
                                                                             = 2.64
                                                  =
Ver Blank Start
                     = 12.762:
                                                        1050 lines
                                       // (msec)
Ver Blank Time
                     = 0.596;
                                       // (msec)
                                                          49 lines
                                                  =
                     = 12.798;
Ver Sync Start
                                       // (msec)
                                                        1053 lines
// V Bottom Border
                     = 0.000:
                                       // (msec)
                                                  =
                                                           0 lines
// V Front Porch
                     = 0.036;
                                       // (msec)
                                                  =
                                                           3 lines
Ver Sync Time
                     = 0.049;
                                                           4 lines
                                       // (msec)
                                                  =
// V Back Porch
                     = 0.510;
                                       // (msec)
                                                          42 lines
                                                  =
// V Top Border
                                                           0 lines
                     = 0.000;
                                       // (msec)
```

Adopted: 8/21/03

Resolution: 1400 x 1050 at 85 Hz (non-interlaced)

EDID ID: DMT ID: 2Ch; STD 2 Byte Code: (90, 59)h; CVT 3 Byte Code: (0C, 20, 62)h

Method: CVT Compliant

Detailed Timing Parameters

```
Timing Name
                    = 1400 \times 1050 @ 85Hz;
Hor Pixels
                    = 1400:
                                      // Pixels
Ver Pixels
                     = 1050;
                                      // Lines
Hor Frequency
                     = 93.881:
                                      // kHz
                                                        10.7 usec
                                                                     / line
Ver Frequency
                     = 84.960;
                                                        11.8 msec
                                                                     / frame
                                      // Hz
                                                  =
Pixel Clock
                     = 179.500;
                                      // MHz
                                                  =
                                                         5.6 nsec
                                                                       \pm 0.5\%
Character Width
                                      // Pixels
                                                        44.6 nsec
                     = 8;
                                                  =
                                                                          4.0 %
Scan Type
                     = NONINTERLACED;
                                                         // H Phase =
Hor Sync Polarity
                     = NEGATIVE
                                     // HBlank =
                                                      26.8% of HTotal
Ver Svnc Polarity
                     = POSITIVE;
                                      // VBlank
                                                       5.0% of VTotal
                                                  =
                                                        239 chars =
Hor Total Time
                     = 10.652:
                                      // (usec)
                                                                         1912 Pixels
Hor Addr Time
                     = 7.799;
                                                         175 chars =
                                                                         1400 Pixels
                                      // (usec)
                     = 7.799;
Hor Blank Start
                                      // (usec)
                                                         175
                                                              chars =
                                                                         1400 Pixels
Hor Blank Time
                     = 2.852:
                                      // (usec)
                                                          64 \text{ chars} =
                                                                          512 Pixels
Hor Sync Start
                     = 8.379;
                                      // (usec)
                                                  =
                                                         188 chars =
                                                                         1504 Pixels
// H Right Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                           \mathbf{0} chars =
                                                                            0 Pixels
// H Front Porch
                     = 0.579;
                                      // (usec)
                                                          13 chars =
                                                                          104 Pixels
                                                  =
Hor Sync Time
                     = 0.847:
                                      // (usec)
                                                          19 chars =
                                                                          152 Pixels
// H Back Porch
                     = 1.426:
                                      // (usec)
                                                          32 chars =
                                                                          256 Pixels
                                                  =
// H Left Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                           \mathbf{0} chars =
                                                                            0 Pixels
Ver Total Time
                     = 11.770:
                                      // (msec)
                                                        1105 lines
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 11.184;
                                      // (msec)
                                                        1050 lines
                                                                            = 2.38
                                                  =
Ver Blank Start
                                                        1050 lines
                     = 11.184:
                                      // (msec)
Ver Blank Time
                     = 0.586;
                                      // (msec)
                                                          55 lines
                                                  =
Ver Sync Start
                     = 11.216;
                                      // (msec)
                                                        1053 lines
// V Bottom Border
                     = 0.000:
                                      // (msec)
                                                  =
                                                           0 lines
// V Front Porch
                     = 0.032;
                                      // (msec)
                                                  =
                                                           3 lines
Ver Sync Time
                     = 0.043;
                                                           4 lines
                                      // (msec)
                                                  =
// V Back Porch
                     = 0.511;
                                      // (msec)
                                                          48 lines
                                                  =
// V Top Border
                     = 0.000:
                                                           0 lines
                                      // (msec)
```

Adopted: 5/1/07

Resolution: 1400 x 1050 at 120 Hz (non-interlaced) REDUCED BLANKING EDID ID: DMT ID: 2Dh; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a

Method: Generated using CVT (Reduced Blanking) Formula

Detailed Timing Parameters

```
Timing Name
                       1400 x 1050 @ 120Hz CVT (Reduced Blanking);
                    = 1400:
Hor Pixels
                                      // Pixels
                                      // Lines
Ver Pixels
                     = 1050;
Hor Frequency
                     = 133.333:
                                      // kHz
                                                         7.5 usec
                                                                    / line
Ver Frequency
                     = 119.904;
                                                         8.3 msec
                                                                    / frame
                                      // Hz
                                                  =
Pixel Clock
                     = 208.000;
                                      // MHz
                                                  =
                                                         4.8 nsec
                                                                      \pm 0.5\%
Character Width
                     = 8;
                                      // Pixels
                                                  =
                                                        38.5 nsec
                                                         // H Phase =
Scan Type
                     = NONINTERLACED;
                                                                          1.0 %
Hor Sync Polarity
                     = POSITIVE;
                                      // HBlank =
                                                     10.3% of HTotal
Ver Svnc Polarity
                     = NEGATIVE
                                      // VBlank
                                                       5.6% of VTotal
                     = 7.500;
Hor Total Time
                                      // (usec)
                                                        195 chars =
                                                                        1560 Pixels
Hor Addr Time
                     = 6.731:
                                                        175
                                                                        1400 Pixels
                                      // (usec)
                                                             chars =
Hor Blank Start
                     = 6.731:
                                      // (usec)
                                                        175
                                                             chars =
                                                                        1400 Pixels
Hor Blank Time
                     = 0.769;
                                      // (usec)
                                                         20
                                                             chars =
                                                                         160 Pixels
Hor Sync Start
                     = 6.962;
                                      // (usec)
                                                  =
                                                        181
                                                             chars =
                                                                        1448 Pixels
// H Right Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                             chars =
                                                                            0 Pixels
// H Front Porch
                     = 0.231;
                                      // (usec)
                                                             chars =
                                                                           48 Pixels
                                                  =
                                                           6
Hor Sync Time
                     = 0.154:
                                      // (usec)
                                                             chars =
                                                                           32 Pixels
// H Back Porch
                                      // (usec)
                                                         10 \text{ chars} =
                                                                          80 Pixels
                     = 0.385:
                                                  =
// H Left Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                           \mathbf{0} chars =
                                                                            0 Pixels
Ver Total Time
                     = 8.340:
                                      // (msec)
                                                       1112 lines
                                                                      HT - (1.06xHA)
Ver Addr Time
                     = 7.875;
                                      // (msec)
                                                       1050 lines
                                                                            = 0.37
                                                  =
Ver Blank Start
                     = 7.875:
                                                       1050 lines
                                      // (msec)
Ver Blank Time
                     = 0.465;
                                      // (msec)
                                                         62 lines
                                                  =
Ver Sync Start
                     = 7.898;
                                      // (msec)
                                                       1053 lines
// V Bottom Border
                     = 0.000:
                                      // (msec)
                                                  =
                                                           0 lines
// V Front Porch
                     = 0.023;
                                      // (msec)
                                                  =
                                                           3 lines
Ver Sync Time
                     = 0.030;
                                                           4 lines
                                      // (msec)
                                                  =
// V Back Porch
                     = 0.413;
                                      // (msec)
                                                         55 lines
                                                  =
// V Top Border
                                                           0 lines
                     = 0.000:
                                      // (msec)
```

Adopted: 10/24/04

Resolution: 1440 x 900 at 60 Hz (non-interlaced) REDUCED BLANKING

EDID ID: DMT ID: 2Eh; STD 2 Byte Code: n/a; CVT 3 Byte Code: (C1, 18, 21)h

Method: CVT Reduced Blanking

Detailed Timing Parameters

```
Timing Name
                    = 1440 x 900 @ 60Hz CVT (Reduced Blanking);
Hor Pixels
                    = 1440;
                                      // Pixels
                    = 900;
Ver Pixels
                                      // Lines
                    = 55.469;
                                      // kHz
Hor Frequency
                                                 =
                                                       18.0 usec
                                                                    / line
Ver Frequency
                    = 59.901:
                                                       16.7 msec
                                      // Hz
                                                                    / frame
Pixel Clock
                    = 88.750;
                                      // MHz
                                                       11.3 nsec
                                                                      \pm 0.5\%
                                                 =
Character Width
                                                       90.1 nsec
                    = 8:
                                      // Pixels
Scan Type
                                                        // H Phase =
                                                                          1.0 %
                    = NONINTERLACED;
Hor Sync Polarity
                                                     10.0% of HTotal
                    = POSITIVE:
                                      // HBlank =
Ver Sync Polarity
                    = NEGATIVE
                                     // VBlank
                                                      2.8% of VTotal
Hor Total Time
                    = 18.028:
                                      // (usec)
                                                        200 \text{ chars} =
                                                                        1600 Pixels
Hor Addr Time
                    = 16.225;
                                      // (usec)
                                                        180
                                                            chars =
                                                                        1440 Pixels
                    = 16.225;
Hor Blank Start
                                      // (usec)
                                                        180 \text{ chars} =
                                                                        1440 Pixels
                                                 =
Hor Blank Time
                    = 1.803:
                                      // (usec)
                                                         20 \text{ chars} =
                                                                         160 Pixels
Hor Sync Start
                    = 16.766;
                                      // (usec)
                                                        186 chars =
                                                                        1488 Pixels
// H Right Border
                    = 0.000:
                                                          0
                                                            chars =
                                      // (usec)
                                                                           0 Pixels
                                                 =
// H Front Porch
                    = 0.541:
                                      // (usec)
                                                 =
                                                          6
                                                            chars =
                                                                          48 Pixels
Hor Sync Time
                    = 0.361;
                                                             chars =
                                                                          32 Pixels
                                      // (usec)
                                                          4
// H Back Porch
                    = 0.901;
                                      // (usec)
                                                         10 chars =
                                                                          80 Pixels
                                                 =
// H Left Border
                    = 0.000:
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
                                                 =
Ver Total Time
                    = 16.694:
                                      // (msec)
                                                        926 lines
                                                                      HT - (1.06xHA)
Ver Addr Time
                    = 16.225:
                                                        900 lines
                                                                           = 0.83
                                      // (msec)
                                                 =
Ver Blank Start
                    = 16.225;
                                      // (msec)
                                                        900 lines
Ver Blank Time
                    = 0.469;
                                      // (msec)
                                                         26 lines
Ver Sync Start
                    = 16.279;
                                                        903 lines
                                      // (msec)
                                                 =
// V Bottom Border
                    = 0.000:
                                      // (msec)
                                                          0 lines
                                                 =
// V Front Porch
                    = 0.054:
                                                          3 lines
                                      // (msec)
                                                 =
Ver Sync Time
                    = 0.108:
                                      // (msec)
                                                          6 lines
                                                 =
// V Back Porch
                    = 0.306;
                                                         17 lines
                                      // (msec)
                                                 =
// V Top Border
                    = 0.000;
                                                          0 lines
                                      // (msec)
```

Adopted: 10/24/04

Resolution: 1440 x 900 at 60 Hz (non-interlaced)

EDID ID: DMT ID: 2Fh; STD 2 Byte Code: (95, 00)h; CVT 3 Byte Code: (C1, 18, 28)h

Method: CVT Compliant

Detailed Timing Parameters

```
= 1440 \times 900 @ 60Hz;
Timing Name
Hor Pixels
                    = 1440;
                                      // Pixels
Ver Pixels
                     = 900;
                                      // Lines
                     = 55.935:
                                      // kHz
Hor Frequency
                                                  =
                                                        17.9 usec
                                                                    / line
Ver Frequency
                     = 59.887:
                                                        16.7 msec
                                      // Hz
                                                                    / frame
Pixel Clock
                     = 106.500;
                                      // MHz
                                                         9.4 nsec
                                                                       \pm 0.5\%
                                                  =
Character Width
                     = 8:
                                      // Pixels
                                                        75.1 nsec
Scan Type
                                                         // H Phase =
                                                                          4.0 %
                     = NONINTERLACED;
Hor Sync Polarity
                                                      24.4% of HTotal
                     = NEGATIVE
                                     // HBlank =
Ver Sync Polarity
                     = POSITIVE;
                                      // VBlank
                                                       3.6% of VTotal
Hor Total Time
                     = 17.878:
                                      // (usec)
                                                        238 \text{ chars} =
                                                                        1904 Pixels
Hor Addr Time
                                                        180
                     = 13.521;
                                      // (usec)
                                                             chars =
                                                                        1440 Pixels
Hor Blank Start
                     = 13.521;
                                      // (usec)
                                                        180
                                                             chars =
                                                                        1440 Pixels
                                                  =
Hor Blank Time
                     = 4.357:
                                      // (usec)
                                                         58 chars =
                                                                         464 Pixels
Hor Sync Start
                     = 14.272;
                                      // (usec)
                                                        190 \text{ chars} =
                                                                        1520 Pixels
// H Right Border
                     = 0.000:
                                                          \mathbf{0} chars =
                                      // (usec)
                                                                            0 Pixels
                                                  =
// H Front Porch
                     = 0.751:
                                      // (usec)
                                                  =
                                                         10
                                                             chars =
                                                                           80 Pixels
Hor Sync Time
                     = 1.427;
                                                             chars =
                                                                          152 Pixels
                                      // (usec)
                                                         19
// H Back Porch
                     = 2.178;
                                      // (usec)
                                                             chars =
                                                                         232 Pixels
                                                  =
// H Left Border
                     = 0.000:
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                            0 Pixels
                                                  =
Ver Total Time
                     = 16.698:
                                      // (msec)
                                                        934 lines
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 16.090:
                                                        900 lines
                                                                            = 3.55
                                      // (msec)
                                                  =
Ver Blank Start
                     = 16.090;
                                      // (msec)
                                                        900 lines
Ver Blank Time
                     = 0.608;
                                      // (msec)
                                                         34 lines
Ver Svnc Start
                     = 16.144;
                                                        903 lines
                                      // (msec)
                                                  =
                                                           0 lines
// V Bottom Border
                    = 0.000:
                                      // (msec)
                                                  =
// V Front Porch
                     = 0.054:
                                                           3 lines
                                      // (msec)
                                                  =
Ver Sync Time
                     = 0.107;
                                      // (msec)
                                                          6 lines
                                                  =
// V Back Porch
                     = 0.447;
                                                         25 lines
                                      // (msec)
                                                  =
// V Top Border
                     = 0.000;
                                                          0 lines
                                      // (msec)
```

Adopted: 10/24/04

Resolution: 1440 x 900 at 75 Hz (non-interlaced)

EDID ID: DMT ID: 30h; STD 2 Byte Code: (95, 0F)h; CVT 3 Byte Code: (C1, 18, 44)h

Method: CVT Compliant

Detailed Timing Parameters

```
Timing Name
                    = 1440 \times 900 @ 75Hz;
Hor Pixels
                    = 1440:
                                      // Pixels
Ver Pixels
                                      // Lines
                    = 900;
Hor Frequency
                    = 70.635:
                                      // kHz
                                                       14.2 usec
                                                                    / line
Ver Frequency
                    = 74.984;
                                      // Hz
                                                       13.3 msec
                                                                    / frame
Pixel Clock
                    = 136.750;
                                      // MHz
                                                        7.3 nsec
                                                                      \pm 0.5\%
                                                  =
Character Width
                                      // Pixels
                                                       58.5 nsec
                    = 8:
Scan Type
                    = NONINTERLACED:
                                                        // H Phase =
                                                                          3.9 %
                                     // HBlank =
                                                     25.6% of HTotal
Hor Sync Polarity
                    = NEGATIVE
                                                       4.5% of VTotal
Ver Sync Polarity
                                      // VBlank =
                    = POSITIVE;
                                                        242 chars =
Hor Total Time
                    = 14.157:
                                      // (usec)
                                                                        1936 Pixels
Hor Addr Time
                    = 10.530;
                                      // (usec)
                                                        180 chars =
                                                                        1440 Pixels
                                                  =
Hor Blank Start
                    = 10.530:
                                      // (usec)
                                                        180 chars =
                                                                        1440 Pixels
                                                  =
                                                         62 chars =
Hor Blank Time
                                                                         496 Pixels
                    = 3.627:
                                      // (usec)
Hor Sync Start
                    = 11.232;
                                      // (usec)
                                                        192 \text{ chars} =
                                                                        1536 Pixels
// H Right Border
                    = 0.000:
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
                                                  =
                    = 0.702;
// H Front Porch
                                                                          96 Pixels
                                      // (usec)
                                                  =
                                                         12
                                                            chars =
                    = 1.112;
                                                             chars =
Hor Sync Time
                                      // (usec)
                                                  =
                                                         19
                                                                         152 Pixels
// H Back Porch
                    = 1.814:
                                      // (usec)
                                                         31 \text{ chars} =
                                                                         248 Pixels
// H Left Border
                    = 0.000:
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
                                                  =
Ver Total Time
                    = 13.336;
                                      // (msec)
                                                        942 lines
                                                                      HT - (1.06xHA)
                                                  =
Ver Addr Time
                    = 12.741:
                                      // (msec)
                                                        900 lines
                                                  =
                                                                           =3
Ver Blank Start
                    = 12.741;
                                      // (msec)
                                                        900 lines
                                                  =
Ver Blank Time
                    = 0.595;
                                      // (msec)
                                                  =
                                                         42 lines
Ver Sync Start
                    = 12.784;
                                      // (msec)
                                                  =
                                                        903 lines
// V Bottom Border
                    = 0.000:
                                      // (msec)
                                                          0 lines
                                                  =
// V Front Porch
                    = 0.042;
                                      // (msec)
                                                          3 lines
                                                  =
Ver Svnc Time
                    = 0.085:
                                                          6 lines
                                      // (msec)
                                                  =
// V Back Porch
                    = 0.467:
                                                         33 lines
                                      // (msec)
                                                  =
// V Top Border
                    = 0.000;
                                                          0 lines
                                      // (msec)
                                                  =
```

Adopted: 10/24/04

Resolution: 1440 x 900 at 85 Hz (non-interlaced)

EDID ID: DMT ID: 31h; STD 2 Byte Code: (95, 19)h; CVT 3 Byte Code: (C1, 18, 68)h

Method: CVT Compliant

Detailed Timing Parameters

```
Timing Name
                    = 1440 \times 900 @ 85Hz;
Hor Pixels
                    = 1440:
                                      // Pixels
Ver Pixels
                                      // Lines
                    = 900;
Hor Frequency
                    = 80.430:
                                      // kHz
                                                        12.4 usec
                                                                    / line
                                                  =
Ver Frequency
                    = 84.842;
                                      // Hz
                                                        11.8 msec
                                                                    / frame
Pixel Clock
                                      // MHz
                                                         6.4 nsec
                                                                      \pm 0.5\%
                    = 157.000;
                                                  =
Character Width
                                      // Pixels
                                                       51.0 nsec
                    = 8:
Scan Type
                    = NONINTERLACED:
                                                         // H Phase =
                                                                          3.9 %
                                     // HBlank =
Hor Sync Polarity
                    = NEGATIVE
                                                     26.2% of HTotal
Ver Sync Polarity
                                      // VBlank =
                                                       5.1% of VTotal
                    = POSITIVE;
Hor Total Time
                    = 12.433:
                                      // (usec)
                                                        244 chars =
                                                                        1952 Pixels
Hor Addr Time
                    = 9.172;
                                      // (usec)
                                                        180 chars =
                                                                        1440 Pixels
                                                  =
Hor Blank Start
                    = 9.172:
                                      // (usec)
                                                        180 \text{ chars} =
                                                                        1440 Pixels
                                                  =
                                                         64 chars =
Hor Blank Time
                    = 3.261;
                                                                         512 Pixels
                                      // (usec)
Hor Sync Start
                    = 9.834;
                                      // (usec)
                                                        193 \text{ chars} =
                                                                        1544 Pixels
// H Right Border
                    = 0.000:
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
                                                  =
// H Front Porch
                    = 0.662:
                                      // (usec)
                                                  =
                                                         13
                                                             chars =
                                                                         104 Pixels
Hor Sync Time
                                                             chars =
                    = 0.968;
                                      // (usec)
                                                  =
                                                         19
                                                                         152 Pixels
// H Back Porch
                    = 1.631;
                                      // (usec)
                                                         32
                                                             chars =
                                                                         256 Pixels
// H Left Border
                    = 0.000:
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
                                                  =
Ver Total Time
                    = 11.787:
                                      // (msec)
                                                        948 lines
                                                                      HT - (1.06xHA)
                                                  =
Ver Addr Time
                    = 11.190;
                                      // (msec)
                                                        900 lines
                                                                           = 2.71
                                                  =
Ver Blank Start
                    = 11.190:
                                      // (msec)
                                                        900 lines
                                                  =
Ver Blank Time
                    = 0.597;
                                      // (msec)
                                                  =
                                                         48 lines
Ver Sync Start
                    = 11.227;
                                      // (msec)
                                                  =
                                                        903 lines
// V Bottom Border
                    = 0.000:
                                      // (msec)
                                                          0 lines
                                                  =
// V Front Porch
                    = 0.037:
                                      // (msec)
                                                          3 lines
                                                  =
Ver Svnc Time
                    = 0.075:
                                                          6 lines
                                      // (msec)
                                                  =
// V Back Porch
                                                         39 lines
                    = 0.485;
                                      // (msec)
                                                  =
// V Top Border
                    = 0.000;
                                                          0 lines
                                      // (msec)
                                                  =
```

Adopted: 5/1/07

Resolution: 1440 x 900 at 120 Hz (non-interlaced) REDUCED BLANKING EDID ID: DMT ID: 32h; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a

Method: Generated using CVT (Reduced Blanking) Formula

Detailed Timing Parameters

```
Timing Name
                        1440 x 900 @ 120Hz CVT (Reduced Blanking);
                     = 1440:
Hor Pixels
                                       // Pixels
Ver Pixels
                                       // Lines
                     = 900;
Hor Frequency
                     = 114.219:
                                       // kHz
                                                         8.8 usec
                                                                     / line
Ver Frequency
                     = 119.852;
                                                         8.3 msec
                                                                     / frame
                                       // Hz
                                                  =
Pixel Clock
                     = 182.750:
                                       // MHz
                                                  =
                                                         5.5 nsec
                                                                       \pm 0.5\%
Character Width
                                       // Pixels
                                                  =
                                                        43.8 nsec
                     = 8;
                                                                           1.0 %
Scan Type
                     = NONINTERLACED;
                                                         // H Phase =
Hor Sync Polarity
                     = POSITIVE;
                                      // HBlank =
                                                      10.0% of HTotal
Ver Svnc Polarity
                     = NEGATIVE
                                      // VBlank
                                                       5.6% of VTotal
                     = 8.755:
Hor Total Time
                                       // (usec)
                                                         200 \text{ chars} =
                                                                         1600 Pixels
Hor Addr Time
                     = 7.880;
                                                                         1440 Pixels
                                       // (usec)
                                                         180 \text{ chars} =
Hor Blank Start
                     = 7.880;
                                       // (usec)
                                                         180
                                                              chars =
                                                                         1440 Pixels
Hor Blank Time
                     = 0.876;
                                       // (usec)
                                                          20
                                                              chars =
                                                                          160 Pixels
Hor Sync Start
                     = 8.142;
                                       // (usec)
                                                  =
                                                         186 chars =
                                                                         1488 Pixels
// H Right Border
                     = 0.000:
                                       // (usec)
                                                  =
                                                           0
                                                              chars =
                                                                            0 Pixels
// H Front Porch
                     = 0.263;
                                       // (usec)
                                                             chars =
                                                                           48 Pixels
                                                  =
                                                           6
Hor Sync Time
                     = 0.175:
                                       // (usec)
                                                              chars =
                                                                           32 Pixels
// H Back Porch
                                       // (usec)
                                                          10 \text{ chars} =
                                                                           80 Pixels
                     = 0.438:
                                                  =
// H Left Border
                     = 0.000:
                                       // (usec)
                                                  =
                                                           \mathbf{0} chars =
                                                                            0 Pixels
Ver Total Time
                     = 8.344:
                                       // (msec)
                                                         953 lines
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 7.880;
                                       // (msec)
                                                         900 lines
                                                                            = 0.4
                                                  =
Ver Blank Start
                     = 7.880:
                                       // (msec)
                                                         900 lines
Ver Blank Time
                     = 0.464;
                                       // (msec)
                                                          53 lines
                                                  =
                                                         903 lines
Ver Sync Start
                     = 7.906;
                                       // (msec)
// V Bottom Border
                     = 0.000:
                                       // (msec)
                                                  =
                                                           0 lines
// V Front Porch
                     = 0.026;
                                       // (msec)
                                                  =
                                                           3 lines
Ver Sync Time
                     = 0.053;
                                                           6 lines
                                       // (msec)
                                                  =
// V Back Porch
                     = 0.385;
                                       // (msec)
                                                          44 lines
                                                  =
// V Top Border
                                                           0 lines
                     = 0.000:
                                       // (msec)
```

Proposed: 10/16/08 Adopted: TBD

Resolution: 1600 x 900 at 60 Hz (non-interlaced) REDUCED BLANKING EDID ID: DMT ID: 53h; STD 2 Byte Code: A9h, C0h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1600 \times 900 @ 60Hz:
Hor Pixels
                    = 1600;
                                      // Pixels
Ver Pixels
                    = 900;
                                      // Lines
                    = 60.000:
                                      // KHz
Hor Frequency
                                                       16.7 usec
                                                                   / line
Ver Frequency
                    = 60.000:
                                      // Hz
                                                       16.7 msec
                                                                     frame
Pixel Clock
                                                                      \pm 0.5\%
                    = 108.000:
                                      // MHz
                                                 =
                                                        9.3 nsec
Character Width
                    = 8;
                                      // Pixels
                                                       74.1 nsec
Scan Type
                    = NONINTERLACED;
                                                        // H Phase =
                                                                         2.0 %
Hor Sync Polarity
                    = POSITIVE:
                                      // HBlank =
                                                     11.1% of HTotal
Ver Sync Polarity
                    = POSITIVE;
                                      // VBlank =
                                                     10.0% of VTotal
Hor Total Time
                                                        225
                                                                       1800 Pixels
                    = 16.667;
                                      // (usec)
                                                            chars =
Hor Addr Time
                    = 14.815:
                                      // (usec)
                                                        200 \text{ chars} =
                                                                       1600 Pixels
Hor Blank Start
                    = 14.815;
                                      // (usec)
                                                        200 chars =
                                                                       1600 Pixels
                                                 =
Hor Blank Time
                    = 1.852;
                                      // (usec)
                                                        25
                                                             chars =
                                                                        200 Pixels
Hor Sync Start
                    = 15.037;
                                      // (usec)
                                                 =
                                                        203
                                                            chars =
                                                                       1624 Pixels
// H Right Border
                    = 0.000:
                                      // (usec)
                                                          0
                                                            chars =
                                                                           0 Pixels
                                                 =
// H Front Porch
                    = 0.222:
                                      // (usec)
                                                          3
                                                            chars =
                                                                          24 Pixels
Hor Sync Time
                    = 0.741;
                                      // (usec)
                                                         10
                                                            chars =
                                                                          80 Pixels
                                                 =
// H Back Porch
                    = 0.889;
                                      // (usec)
                                                         12
                                                            chars =
                                                                          96 Pixels
                                                 =
// H Left Border
                    = 0.000;
                                      // (usec)
                                                          0
                                                            chars =
                                                                           0 Pixels
Ver Total Time
                    = 16.667:
                                                       1000 lines
                                                                      HT - (1.06xHA)
                                      // (msec)
                                                 =
Ver Addr Time
                    = 15.000;
                                      // (msec)
                                                       900 lines
                                                                           = 0.96
                                                 =
Ver Blank Start
                    = 15.000;
                                      // (msec)
                                                       900 lines
                                                 =
Ver Blank Time
                    = 1.667;
                                      // (msec)
                                                        100 lines
Ver Sync Start
                    = 15.017;
                                      // (msec)
                                                 =
                                                       901 lines
// V Bottom Border
                    = 0.000:
                                      // (msec)
                                                 =
                                                          0 lines
// V Front Porch
                    = 0.017;
                                      // (msec)
                                                          1 lines
                                                 =
Ver Sync Time
                    = 0.050;
                                      // (msec)
                                                          3 lines
                                                 =
// V Back Porch
                    = 1.600;
                                      // (msec)
                                                 =
                                                         96 lines
// V Top Border
                    = 0.000;
                                      // (msec)
                                                          0 lines
```

Adopted: 12/18/96

Resolution: 1600 x 1200 at 60 Hz (non-interlaced)

EDID ID: DMT ID: 33h; STD 2 Byte Code: (A9, 40)h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1600 x 1200 @ 60Hz:
Hor Pixels
                    = 1600:
                                      // Pixels
Ver Pixels
                    = 1200;
                                      // Lines
Hor Frequency
                    = 75.000:
                                      // kHz
                                                       13.3 usec
                                                                   / line
Ver Frequency
                    = 60.000;
                                      // Hz
                                                 =
                                                       16.7 msec
                                                                   / frame
                                                        6.2 nsec
Pixel Clock
                    = 162.000:
                                      // MHz
                                                                     \pm 0.5\%
                                                 =
Character Width
                    = 8;
                                      // Pixels
                                                      49.4 nsec
Scan Type
                    = NONINTERLACED;
                                                        // H Phase =
                                                                         5.6 %
Hor Sync Polarity
                    = POSITIVE:
                                      // HBlank = 25.9% of HTotal
Ver Sync Polarity
                    = POSITIVE:
                                      // VBlank =
                                                      4.0% of VTotal
                                                                      2160 Pixels
Hor Total Time
                    = 13.333:
                                                       270 chars =
                                      // (usec)
Hor Addr Time
                    = 9.877:
                                      // (usec)
                                                 =
                                                       200 \text{ chars} =
                                                                       1600 Pixels
Hor Blank Start
                    = 9.877;
                                      // (usec)
                                                       200 \text{ chars} =
                                                                       1600 Pixels
                                                 =
Hor Blank Time
                    = 3.457;
                                      // (usec)
                                                        70 \text{ chars} =
                                                                        560 Pixels
                                                 =
                                                                       1664 Pixels
Hor Sync Start
                    = 10.272;
                                                       208
                                                            chars =
                                      // (usec)
// H Right Border
                    = 0.000;
                                                          \mathbf{0} chars =
                                                                          0 Pixels
                                      // (usec)
                                                 =
// H Front Porch
                    = 0.395:
                                      // (usec)
                                                         8 \text{ chars} =
                                                                         64 Pixels
                                                 =
Hor Svnc Time
                    = 1.185:
                                      // (usec)
                                                        24 chars =
                                                                        192 Pixels
// H Back Porch
                    = 1.877:
                                      // (usec)
                                                        38 chars =
                                                                        304 Pixels
                                                 =
// H Left Border
                    = 0.000:
                                      // (usec)
                                                          0 chars =
                                                                          0 Pixels
Ver Total Time
                    = 16.667:
                                      // (msec)
                                                      1250 lines
                                                                     HT - (1.06xHA)
Ver Addr Time
                    = 16.000;
                                      // (msec)
                                                      1200 lines
                                                                          = 2.86
                                                 =
Ver Blank Start
                    = 16.000;
                                      // (msec)
                                                      1200 lines
                                                 =
Ver Blank Time
                                                         50 lines
                    = 0.667:
                                      // (msec)
Ver Sync Start
                    = 16.013;
                                      // (msec)
                                                      1201 lines
// V Bottom Border = 0.000:
                                      // (msec)
                                                          0 lines
                                                 =
// V Front Porch
                    = 0.013;
                                      // (msec)
                                                          1 lines
                                                 =
Ver Sync Time
                    = 0.040;
                                      // (msec)
                                                 =
                                                         3 lines
// V Back Porch
                    = 0.613;
                                      // (msec)
                                                         46 lines
                                                 =
// V Top Border
                    = 0.000:
                                      // (msec)
                                                          0 lines
                                                 =
```

Adopted: 12/18/96

Resolution: 1600 x 1200 at 65 Hz (non-interlaced)

EDID ID: DMT ID: 34h; STD 2 Byte Code: (A9, 45)h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1600 \times 1200 @ 65Hz;
Hor Pixels
                    = 1600:
                                     // Pixels
Ver Pixels
                    = 1200:
                                     // Lines
                    = 81.250;
Hor Frequency
                                     // kHz
                                                      12.3 usec
                                                                   / line
Ver Frequency
                    = 65.000;
                                     // Hz
                                                      15.4 msec
                                                                  / frame
Pixel Clock
                    = 175.500;
                                                                     \pm 0.5\%
                                     // MHz
                                                        5.7 nsec
                                                 =
Character Width
                    = 8:
                                     // Pixels
                                                      45.6 nsec
Scan Type
                    = NONINTERLACED:
                                                       // H Phase =
                                                                        5.6 %
Hor Sync Polarity
                    = POSITIVE;
                                     // HBlank = 25.9% of HTotal
Ver Sync Polarity
                                     // VBlank =
                                                     4.0% of VTotal
                    = POSITIVE;
Hor Total Time
                    = 12.308;
                                     // (usec)
                                                       270 chars =
                                                                      2160 Pixels
Hor Addr Time
                    = 9.117;
                                     // (usec)
                                                       200 \text{ chars} =
                                                                      1600 Pixels
                                                 =
Hor Blank Start
                    = 9.117:
                                     // (usec)
                                                       200 \text{ chars} =
                                                                       1600 Pixels
                                                 =
Hor Blank Time
                    = 3.191:
                                                        70 \text{ chars} =
                                     // (usec)
                                                                        560 Pixels
Hor Sync Start
                    = 9.481;
                                     // (usec)
                                                       208 \text{ chars} =
                                                                       1664 Pixels
// H Right Border
                    = 0.000;
                                     // (usec)
                                                         0
                                                            chars =
                                                                          0 Pixels
                                                 =
// H Front Porch
                                                            chars =
                                                                         64 Pixels
                    = 0.365;
                                     // (usec)
                                                 =
                                                         8
Hor Sync Time
                    = 1.094;
                                     // (usec)
                                                 =
                                                        24 chars =
                                                                        192 Pixels
// H Back Porch
                    = 1.732;
                                     // (usec)
                                                        38 chars =
                                                                        304 Pixels
// H Left Border
                    = 0.000:
                                     // (usec)
                                                         \mathbf{0} chars =
                                                                          0 Pixels
Ver Total Time
                    = 15.385;
                                     // (msec)
                                                      1250 lines
                                                                     HT - (1.06xHA)
Ver Addr Time
                                                                          = 2.64
                    = 14.769:
                                     // (msec)
                                                 =
                                                      1200 lines
Ver Blank Start
                    = 14.769:
                                                      1200 lines
                                     // (msec)
                                                 =
Ver Blank Time
                    = 0.615;
                                     // (msec)
                                                 =
                                                        50 lines
Ver Sync Start
                    = 14.782;
                                     // (msec)
                                                      1201 lines
                                                 =
// V Bottom Border = 0.000;
                                     // (msec)
                                                 =
                                                         0 lines
// V Front Porch
                    = 0.012:
                                     // (msec)
                                                         1 lines
                                                 =
                                     // (msec)
Ver Svnc Time
                    = 0.037:
                                                         3 lines
                                                 =
// V Back Porch
                    = 0.566;
                                     // (msec)
                                                        46 lines
                                                 =
// V Top Border
                    = 0.000;
                                                         0 lines
                                     // (msec)
```

Adopted: 12/18/96

Resolution: 1600 x 1200 at 70 Hz (non-interlaced)

EDID ID: DMT ID: 35h; STD 2 Byte Code: (A9, 4A)h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1600 \times 1200 @ 70Hz;
Hor Pixels
                    = 1600:
                                     // Pixels
Ver Pixels
                    = 1200:
                                     // Lines
                    = 87.500;
Hor Frequency
                                     // kHz
                                                      11.4 usec
                                                                   / line
Ver Frequency
                    = 70.000;
                                     // Hz
                                                      14.3 msec
                                                                  / frame
Pixel Clock
                    = 189.000;
                                                                     \pm 0.5\%
                                     // MHz
                                                        5.3 nsec
                                                 =
Character Width
                    = 8:
                                     // Pixels
                                                      42.3 nsec
Scan Type
                    = NONINTERLACED:
                                                       // H Phase =
                                                                        5.6 %
Hor Sync Polarity
                    = POSITIVE;
                                     // HBlank = 25.9% of HTotal
Ver Sync Polarity
                                     // VBlank =
                                                      4.0% of VTotal
                    = POSITIVE;
Hor Total Time
                    = 11.429:
                                     // (usec)
                                                       270 chars =
                                                                      2160 Pixels
Hor Addr Time
                    = 8.466;
                                     // (usec)
                                                       200 \text{ chars} =
                                                                      1600 Pixels
                                                 =
Hor Blank Start
                    = 8.466:
                                     // (usec)
                                                       200 \text{ chars} =
                                                                       1600 Pixels
                                                 =
Hor Blank Time
                    = 2.963:
                                                        70 \text{ chars} =
                                     // (usec)
                                                                        560 Pixels
Hor Sync Start
                    = 8.804;
                                     // (usec)
                                                       208 \text{ chars} =
                                                                       1664 Pixels
// H Right Border
                    = 0.000;
                                     // (usec)
                                                         0
                                                            chars =
                                                                          0 Pixels
                                                 =
// H Front Porch
                                                                         64 Pixels
                    = 0.339;
                                     // (usec)
                                                 =
                                                         8
                                                            chars =
                                                                        192 Pixels
Hor Sync Time
                    = 1.016;
                                     // (usec)
                                                 =
                                                        24 chars =
// H Back Porch
                    = 1.608;
                                     // (usec)
                                                        38 chars =
                                                                        304 Pixels
                                                 =
// H Left Border
                    = 0.000:
                                     // (usec)
                                                         \mathbf{0} chars =
                                                                          0 Pixels
Ver Total Time
                    = 14.286;
                                     // (msec)
                                                      1250 lines
                                                                     HT - (1.06xHA)
Ver Addr Time
                                                                          = 2.46
                    = 13.714:
                                     // (msec)
                                                      1200 lines
                                                 =
Ver Blank Start
                    = 13.714:
                                                      1200 lines
                                     // (msec)
                                                 =
Ver Blank Time
                    = 0.571;
                                     // (msec)
                                                 =
                                                        50 lines
Ver Sync Start
                    = 13.726;
                                     // (msec)
                                                      1201 lines
                                                 =
// V Bottom Border = 0.000;
                                     // (msec)
                                                 =
                                                         0 lines
// V Front Porch
                    = 0.011:
                                     // (msec)
                                                         1 lines
                                                 =
Ver Svnc Time
                    = 0.034:
                                                         3 lines
                                     // (msec)
                                                 =
// V Back Porch
                    = 0.526;
                                                        46 lines
                                     // (msec)
                                                 =
// V Top Border
                                                         0 lines
                    = 0.000;
                                     // (msec)
```

Adopted: 12/18/96

Resolution: 1600 x 1200 at 75 Hz (non-interlaced)

EDID ID: DMT ID: 36h; STD 2 Byte Code: (A9, 4F)h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1600 \times 1200 @ 75Hz;
Hor Pixels
                    = 1600:
                                     // Pixels
Ver Pixels
                    = 1200:
                                     // Lines
                    = 93.750;
Hor Frequency
                                     // kHz
                                                      10.7 usec
                                                                   / line
Ver Frequency
                    = 75.000;
                                     // Hz
                                                      13.3 msec
                                                                  / frame
Pixel Clock
                    = 202.500;
                                                       4.9 nsec
                                                                     \pm 0.5\%
                                     // MHz
                                                 =
Character Width
                    = 8:
                                     // Pixels
                                                      39.5 nsec
Scan Type
                    = NONINTERLACED:
                                                       // H Phase =
                                                                        5.6 %
Hor Sync Polarity
                    = POSITIVE;
                                     // HBlank = 25.9% of HTotal
Ver Sync Polarity
                                     // VBlank =
                                                      4.0% of VTotal
                    = POSITIVE;
Hor Total Time
                    = 10.667:
                                     // (usec)
                                                       270 chars =
                                                                      2160 Pixels
Hor Addr Time
                    = 7.901;
                                     // (usec)
                                                       200 \text{ chars} =
                                                                      1600 Pixels
                                                 =
Hor Blank Start
                    = 7.901:
                                     // (usec)
                                                       200 \text{ chars} =
                                                                       1600 Pixels
                                                 =
Hor Blank Time
                    = 2.765:
                                                        70 \text{ chars} =
                                     // (usec)
                                                                        560 Pixels
Hor Sync Start
                    = 8.217;
                                     // (usec)
                                                       208 \text{ chars} =
                                                                       1664 Pixels
// H Right Border
                    = 0.000;
                                     // (usec)
                                                         0
                                                            chars =
                                                                          0 Pixels
                                                 =
// H Front Porch
                                                            chars =
                                                                         64 Pixels
                    = 0.316:
                                     // (usec)
                                                 =
                                                         8
Hor Sync Time
                    = 0.948;
                                     // (usec)
                                                 =
                                                        24 chars =
                                                                        192 Pixels
// H Back Porch
                    = 1.501;
                                     // (usec)
                                                        38 chars =
                                                                        304 Pixels
// H Left Border
                    = 0.000:
                                     // (usec)
                                                         \mathbf{0} chars =
                                                                          0 Pixels
Ver Total Time
                    = 13.333;
                                     // (msec)
                                                      1250 lines
                                                                     HT - (1.06xHA)
Ver Addr Time
                    = 12.800:
                                                                          = 2.29
                                     // (msec)
                                                 =
                                                      1200 lines
Ver Blank Start
                    = 12.800:
                                                      1200 lines
                                     // (msec)
                                                 =
Ver Blank Time
                    = 0.533;
                                     // (msec)
                                                 =
                                                        50 lines
Ver Sync Start
                    = 12.811;
                                     // (msec)
                                                      1201 lines
                                                 =
// V Bottom Border
                    = 0.000;
                                     // (msec)
                                                 =
                                                         0 lines
// V Front Porch
                    = 0.011:
                                     // (msec)
                                                         1 lines
                                                 =
                                     // (msec)
Ver Svnc Time
                    = 0.032:
                                                         3 lines
                                                 =
// V Back Porch
                    = 0.491:
                                     // (msec)
                                                        46 lines
                                                 =
// V Top Border
                    = 0.000;
                                                         0 lines
                                     // (msec)
```

Adopted: 12/18/96

Resolution: 1600 x 1200 at 85 Hz (non-interlaced)

EDID ID: DMT ID: 37h; STD 2 Byte Code: (A9, 59)h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1600 \times 1200 @ 85Hz;
Hor Pixels
                    = 1600:
                                     // Pixels
Ver Pixels
                    = 1200:
                                     // Lines
                    = 106.250:
Hor Frequency
                                     // kHz
                                                       9.4 usec
                                                                   / line
Ver Frequency
                    = 85.000;
                                     // Hz
                                                      11.8 msec
                                                                  / frame
Pixel Clock
                    = 229.500;
                                                                     \pm 0.5\%
                                     // MHz
                                                 =
                                                       4.4 nsec
Character Width
                    = 8:
                                     // Pixels
                                                      34.9 nsec
Scan Type
                    = NONINTERLACED;
                                                       // H Phase =
                                                                        5.6 %
Hor Sync Polarity
                    = POSITIVE;
                                     // HBlank = 25.9% of HTotal
Ver Sync Polarity
                                     // VBlank =
                                                     4.0% of VTotal
                    = POSITIVE;
Hor Total Time
                    = 9.412:
                                     // (usec)
                                                       270 chars =
                                                                      2160 Pixels
Hor Addr Time
                    = 6.972;
                                     // (usec)
                                                       200 \text{ chars} =
                                                                      1600 Pixels
                                                 =
Hor Blank Start
                    = 6.972:
                                     // (usec)
                                                       200 \text{ chars} =
                                                                       1600 Pixels
                                                 =
                                                                        560 Pixels
Hor Blank Time
                                     // (usec)
                                                        70 \text{ chars} =
                    = 2.440:
Hor Sync Start
                    = 7.251;
                                     // (usec)
                                                       208 \text{ chars} =
                                                                       1664 Pixels
// H Right Border
                    = 0.000;
                                     // (usec)
                                                         0
                                                            chars =
                                                                          0 Pixels
                                                 =
// H Front Porch
                                                            chars =
                                                                         64 Pixels
                    = 0.279;
                                     // (usec)
                                                 =
                                                         8
Hor Sync Time
                    = 0.837;
                                     // (usec)
                                                 =
                                                        24 chars =
                                                                        192 Pixels
// H Back Porch
                    = 1.325;
                                     // (usec)
                                                        38 chars =
                                                                        304 Pixels
                                                                          0 Pixels
// H Left Border
                    = 0.000:
                                     // (usec)
                                                         \mathbf{0} chars =
Ver Total Time
                    = 11.765;
                                     // (msec)
                                                      1250 lines
                                                                     HT - (1.06xHA)
Ver Addr Time
                    = 11.294:
                                                                          = 2.02
                                     // (msec)
                                                 =
                                                      1200 lines
Ver Blank Start
                    = 11.294;
                                     // (msec)
                                                      1200 lines
                                                 =
                                     // (msec)
Ver Blank Time
                    = 0.471;
                                                 =
                                                        50 lines
Ver Sync Start
                    = 11.304;
                                     // (msec)
                                                      1201 lines
                                                 =
// V Bottom Border = 0.000;
                                     // (msec)
                                                 =
                                                         0 lines
// V Front Porch
                    = 0.009;
                                     // (msec)
                                                         1 lines
                                                 =
                                     // (msec)
Ver Svnc Time
                    = 0.028:
                                                         3 lines
                                                 =
// V Back Porch
                    = 0.433:
                                     // (msec)
                                                        46 lines
                                                 =
// V Top Border
                    = 0.000;
                                                         0 lines
                                     // (msec)
```

Adopted: 5/1/07

Resolution: 1600 x 1200 at 120 Hz (non-interlaced) REDUCED BLANKING DMT ID: 38h; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a

Method: Generated using CVT (Reduced Blanking) Formula

Detailed Timing Parameters

```
Timing Name
                        1600 x 1200 @ 120Hz CVT (Reduced Blanking);
Hor Pixels
                     = 1600;
                                       // Pixels
Ver Pixels
                     = 1200;
                                       // Lines
Hor Frequency
                     = 152.415:
                                       // kHz
                                                         6.6 usec
                                                                     / line
                                                   =
Ver Frequency
                     = 119.917;
                                                         8.3 msec
                                       // Hz
                                                  =
                                                                     / frame
Pixel Clock
                     = 268.250;
                                       // MHz
                                                  =
                                                         3.7 nsec
                                                                       \pm 0.5\%
Character Width
                     = 8;
                                       // Pixels
                                                   =
                                                        29.8 nsec
                     = NONINTERLACED;
                                                                           0.9 %
Scan Type
                                                         // H Phase =
                                                       9.1% of HTotal
Hor Sync Polarity
                     = POSITIVE;
                                      // HBlank =
Ver Svnc Polarity
                     = NEGATIVE
                                      // VBlank
                                                       5.6% of VTotal
                     = 6.561:
Hor Total Time
                                       // (usec)
                                                         220 \text{ chars} =
                                                                         1760 Pixels
Hor Addr Time
                     = 5.965;
                                                                         1600 Pixels
                                       // (usec)
                                                         200 \text{ chars} =
Hor Blank Start
                     = 5.965:
                                       // (usec)
                                                         200
                                                              chars =
                                                                         1600 Pixels
Hor Blank Time
                     = 0.596;
                                       // (usec)
                                                          20
                                                             chars =
                                                                          160 Pixels
Hor Sync Start
                     = 6.144;
                                       // (usec)
                                                  =
                                                         206 chars =
                                                                         1648 Pixels
// H Right Border
                     = 0.000:
                                       // (usec)
                                                  =
                                                           0
                                                              chars =
                                                                            0 Pixels
// H Front Porch
                     = 0.179;
                                       // (usec)
                                                             chars =
                                                                           48 Pixels
                                                  =
                                                           6
Hor Sync Time
                     = 0.119:
                                       // (usec)
                                                              chars =
                                                                           32 Pixels
// H Back Porch
                     = 0.298:
                                       // (usec)
                                                          10 \text{ chars} =
                                                                           80 Pixels
                                                  =
// H Left Border
                     = 0.000:
                                       // (usec)
                                                  =
                                                           \mathbf{0} chars =
                                                                            0 Pixels
Ver Total Time
                     = 8.339:
                                       // (msec)
                                                        1271 lines
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 7.873;
                                       // (msec)
                                                        1200 lines
                                                                            = 0.24
                                                  =
Ver Blank Start
                     = 7.873:
                                                        1200 lines
                                       // (msec)
Ver Blank Time
                     = 0.466;
                                       // (msec)
                                                          71 lines
                                                  =
                                                        1203 lines
Ver Sync Start
                     = 7.893;
                                       // (msec)
// V Bottom Border
                     = 0.000:
                                       // (msec)
                                                  =
                                                           0 lines
// V Front Porch
                     = 0.020;
                                       // (msec)
                                                  =
                                                           3 lines
Ver Sync Time
                     = 0.026;
                                                           4 lines
                                       // (msec)
                                                  =
// V Back Porch
                     = 0.420;
                                       // (msec)
                                                          64 lines
                                                  =
// V Top Border
                     = 0.000:
                                                           0 lines
                                       // (msec)
```

Adopted: 10/24/04

Resolution: 1680 x 1050 at 60 Hz (non-interlaced) REDUCED BLANKING

EDID ID: DMT ID: 39h; STD 2 Byte Code: n/a; CVT 3 Byte Code: (0C, 28, 21)h

Method: CVT Reduced Blanking

Detailed Timing Parameters

```
Timing Name
                    = 1680 x 1050 @ 60Hz CVT (Reduced Blanking);
Hor Pixels
                    = 1680:
                                      // Pixels
                                      // Lines
Ver Pixels
                     = 1050:
Hor Frequency
                     = 64.674:
                                      // kHz
                                                        15.5 usec
                                                                    / line
Ver Frequency
                     = 59.883;
                                      // Hz
                                                        16.7 msec
                                                                    / frame
                                                  =
Pixel Clock
                     = 119.000;
                                      // MHz
                                                         8.4 nsec
                                                                      \pm 0.5\%
                                                  =
Character Width
                     = 8:
                                      // Pixels
                                                       67.2 nsec
Scan Type
                     = NONINTERLACED:
                                                         // H Phase =
                                                                          0.9 %
                                      // HBlank =
                                                       8.7% of HTotal
Hor Sync Polarity
                     = POSITIVE:
                     = NEGATIVE
Ver Sync Polarity
                                      // VBlank
                                                       2.8% of VTotal
Hor Total Time
                     = 15.462:
                                      // (usec)
                                                        230 \text{ chars} =
                                                                        1840 Pixels
Hor Addr Time
                     = 14.118;
                                      // (usec)
                                                        210 chars =
                                                                        1680 Pixels
                                                  =
Hor Blank Start
                     = 14.118;
                                      // (usec)
                                                        210 \text{ chars} =
                                                                        1680 Pixels
                                                  =
Hor Blank Time
                                                                         160 Pixels
                     = 1.345:
                                      // (usec)
                                                         20 \text{ chars} =
                                                  =
Hor Sync Start
                     = 14.521;
                                      // (usec)
                                                        216 \text{ chars} =
                                                                        1728 Pixels
// H Right Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                             chars =
                                                                           0 Pixels
// H Front Porch
                     = 0.403:
                                      // (usec)
                                                          6
                                                             chars =
                                                                          48 Pixels
                                                  =
                                      // (usec)
Hor Sync Time
                     = 0.269:
                                                  =
                                                          4 chars =
                                                                          32 Pixels
// H Back Porch
                     = 0.672:
                                      // (usec)
                                                                          80 Pixels
                                                  =
                                                         10 chars =
// H Left Border
                     = 0.000;
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
                                                  =
Ver Total Time
                     = 16.699;
                                      // (msec)
                                                       1080 lines
                                                                      HT - (1.06xHA)
                                                  =
Ver Addr Time
                     = 16.235:
                                      // (msec)
                                                       1050 lines
                                                                           = 0.5
                                                  =
                     = 16.235;
Ver Blank Start
                                      // (msec)
                                                       1050 lines
                                                  =
Ver Blank Time
                     = 0.464:
                                      // (msec)
                                                  =
                                                         30 lines
Ver Svnc Start
                     = 16.282:
                                      // (msec)
                                                  =
                                                       1053 lines
// V Bottom Border
                     = 0.000:
                                      // (msec)
                                                  =
                                                          0 lines
// V Front Porch
                     = 0.046:
                                      // (msec)
                                                  =
                                                          3 lines
Ver Sync Time
                                                          6 lines
                     = 0.093;
                                      // (msec)
// V Back Porch
                     = 0.325:
                                      // (msec)
                                                         21 lines
                                                  =
// V Top Border
                     = 0.000:
                                      // (msec)
                                                          0 lines
```

Adopted: 10/24/04

Resolution: 1680 x 1050 at 60 Hz (non-interlaced)

EDID ID: DMT ID: 3Ah; STD 2 Byte Code: (B3, 00)h; CVT 3 Byte Code: (0C, 28, 28)h

Method: CVT Compliant

Detailed Timing Parameters

```
Timing Name
                    = 1680 \times 1050 @ 60Hz;
Hor Pixels
                    = 1680:
                                      // Pixels
Ver Pixels
                     = 1050;
                                      // Lines
                     = 65.290:
Hor Frequency
                                      // kHz
                                                        15.3 usec
                                                                    / line
                                                  =
Ver Frequency
                     = 59.954;
                                      // Hz
                                                        16.7 msec
                                                                    / frame
Pixel Clock
                     = 146.250:
                                      // MHz
                                                                       \pm 0.5\%
                                                         6.8 nsec
                                                  =
Character Width
                                      // Pixels
                                                        54.7 nsec
                     = 8:
Scan Type
                     = NONINTERLACED:
                                                         // H Phase =
                                                                          3.9 %
                                      // HBlank =
                                                     25.0% of HTotal
Hor Sync Polarity
                     = NEGATIVE
Ver Sync Polarity
                                      // VBlank =
                                                       3.6% of VTotal
                     = POSITIVE;
Hor Total Time
                     = 15.316;
                                      // (usec)
                                                         280 \text{ chars} =
                                                                        2240 Pixels
Hor Addr Time
                     = 11.487;
                                      // (usec)
                                                         210 \text{ chars} =
                                                                        1680 Pixels
                                                  =
                     = 11.487;
Hor Blank Start
                                      // (usec)
                                                        210 \text{ chars} =
                                                                        1680 Pixels
                                                  =
Hor Blank Time
                     = 3.829:
                                                                         560 Pixels
                                      // (usec)
                                                         70 \text{ chars} =
Hor Sync Start
                     = 12.198;
                                      // (usec)
                                                         223 chars =
                                                                         1784 Pixels
// H Right Border
                     = 0.000:
                                      // (usec)
                                                           0
                                                             chars =
                                                                            0 Pixels
                                                  =
// H Front Porch
                     = 0.711;
                                      // (usec)
                                                  =
                                                          13
                                                             chars =
                                                                          104 Pixels
Hor Sync Time
                                                             chars =
                     = 1.203;
                                      // (usec)
                                                  =
                                                          22
                                                                          176 Pixels
// H Back Porch
                     = 1.915:
                                      // (usec)
                                                          35
                                                             chars =
                                                                         280 Pixels
// H Left Border
                     = 0.000:
                                      // (usec)
                                                           \mathbf{0} chars =
                                                                            0 Pixels
                                                  =
Ver Total Time
                     = 16.679:
                                      // (msec)
                                                       1089 lines
                                                                       HT - (1.06xHA)
                                                  =
Ver Addr Time
                     = 16.082:
                                      // (msec)
                                                       1050 lines
                                                                            = 3.14
                                                  =
Ver Blank Start
                                      // (msec)
                                                       1050 lines
                     = 16.082:
                                                  =
Ver Blank Time
                     = 0.597;
                                      // (msec)
                                                  =
                                                          39 lines
Ver Sync Start
                     = 16.128;
                                      // (msec)
                                                  =
                                                       1053 lines
// V Bottom Border
                     = 0.000:
                                      // (msec)
                                                           0 lines
                                                  =
// V Front Porch
                     = 0.046;
                                      // (msec)
                                                           3 lines
                                                  =
Ver Svnc Time
                     = 0.092:
                                                           6 lines
                                      // (msec)
                                                  =
// V Back Porch
                     = 0.459:
                                                          30 lines
                                      // (msec)
                                                  =
// V Top Border
                     = 0.000;
                                                           0 lines
                                      // (msec)
                                                  =
```

Adopted: 10/24/04

Resolution: 1680 x 1050 at 75 Hz (non-interlaced)

EDID ID: DMT ID: 3Bh; STD 2 Byte Code: (B3, 0F)h; CVT 3 Byte Code: (0C, 28, 44)h

Method: CVT Compliant

Detailed Timing Parameters

```
Timing Name
                    = 1680 \times 1050 @ 75Hz;
Hor Pixels
                    = 1680:
                                      // Pixels
Ver Pixels
                    = 1050;
                                      // Lines
                    = 82.306:
Hor Frequency
                                      // kHz
                                                       12.1 usec
                                                                    / line
                                                 =
Ver Frequency
                    = 74.892;
                                      // Hz
                                                       13.4 msec
                                                                    / frame
Pixel Clock
                    = 187.000;
                                      // MHz
                                                        5.3 nsec
                                                                      \pm 0.5\%
                                                 =
Character Width
                                      // Pixels
                                                       42.8 nsec
                    = 8:
Scan Type
                    = NONINTERLACED:
                                                        // H Phase =
                                                                         3.9 %
                                     // HBlank =
                                                     26.1% of HTotal
Hor Sync Polarity
                    = NEGATIVE
                                                      4.5% of VTotal
Ver Sync Polarity
                                      // VBlank =
                     = POSITIVE;
Hor Total Time
                    = 12.150:
                                      // (usec)
                                                        284 chars =
                                                                        2272 Pixels
Hor Addr Time
                    = 8.984;
                                      // (usec)
                                                        210 \text{ chars} =
                                                                        1680 Pixels
                                                 =
Hor Blank Start
                    = 8.984:
                                      // (usec)
                                                        210 \text{ chars} =
                                                                        1680 Pixels
                                                 =
Hor Blank Time
                                                                         592 Pixels
                    = 3.166:
                                      // (usec)
                                                         74 chars =
Hor Sync Start
                     = 9.626;
                                      // (usec)
                                                        225 chars =
                                                                        1800 Pixels
// H Right Border
                    = 0.000:
                                      // (usec)
                                                          0
                                                            chars =
                                                                           0 Pixels
                                                 =
// H Front Porch
                    = 0.642;
                                      // (usec)
                                                 =
                                                         15
                                                             chars =
                                                                         120 Pixels
Hor Sync Time
                                                             chars =
                    = 0.941;
                                      // (usec)
                                                 =
                                                         22
                                                                         176 Pixels
// H Back Porch
                    = 1.583;
                                      // (usec)
                                                         37
                                                             chars =
                                                                         296 Pixels
// H Left Border
                    = 0.000:
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
                                                 =
Ver Total Time
                    = 13.353;
                                      // (msec)
                                                       1099 lines
                                                                      HT - (1.06xHA)
                                                 =
Ver Addr Time
                    = 12.757:
                                      // (msec)
                                                       1050 lines
                                                                           = 2.63
                                                 =
Ver Blank Start
                    = 12.757:
                                      // (msec)
                                                       1050 lines
                                                 =
Ver Blank Time
                    = 0.595;
                                      // (msec)
                                                 =
                                                         49 lines
Ver Sync Start
                    = 12.794;
                                      // (msec)
                                                 =
                                                       1053 lines
// V Bottom Border
                    = 0.000:
                                      // (msec)
                                                          0 lines
                                                 =
// V Front Porch
                    = 0.036;
                                      // (msec)
                                                          3 lines
                                                 =
Ver Svnc Time
                    = 0.073:
                                                          6 lines
                                      // (msec)
                                                 =
// V Back Porch
                    = 0.486;
                                                         40 lines
                                      // (msec)
                                                 =
// V Top Border
                    = 0.000;
                                                          0 lines
                                      // (msec)
                                                 =
```

Adopted: 10/24/04

Resolution: 1680 x 1050 at 85 Hz (non-interlaced)

EDID ID: DMT ID: 3Ch; STD 2 Byte Code: (B3, 19)h; CVT 3 Byte Code: (0C, 28, 68)h

Method: CVT Compliant

Detailed Timing Parameters

```
Timing Name
                    = 1680 \times 1050 @ 85Hz;
Hor Pixels
                    = 1680:
                                      // Pixels
Ver Pixels
                     = 1050;
                                      // Lines
                     = 93.859:
Hor Frequency
                                      // kHz
                                                        10.7 usec
                                                                    / line
                                                  =
Ver Frequency
                     = 84.941;
                                      // Hz
                                                        11.8 msec
                                                                    / frame
Pixel Clock
                     = 214.750;
                                      // MHz
                                                         4.7 nsec
                                                                       \pm 0.5\%
                                                  =
Character Width
                     = 8:
                                      // Pixels
                                                        37.3 nsec
Scan Type
                     = NONINTERLACED:
                                                         // H Phase =
                                                                          3.8 %
                                     // HBlank =
Hor Sync Polarity
                     = NEGATIVE
                                                     26.6% of HTotal
Ver Sync Polarity
                                      // VBlank =
                                                       5.0% of VTotal
                     = POSITIVE;
Hor Total Time
                     = 10.654:
                                      // (usec)
                                                         286 chars =
                                                                        2288 Pixels
Hor Addr Time
                     = 7.823;
                                      // (usec)
                                                         210 \text{ chars} =
                                                                        1680 Pixels
                                                  =
Hor Blank Start
                     = 7.823:
                                      // (usec)
                                                        210 \text{ chars} =
                                                                        1680 Pixels
                                                  =
Hor Blank Time
                     = 2.831:
                                                                         608 Pixels
                                      // (usec)
                                                         76 \text{ chars} =
Hor Sync Start
                     = 8.419;
                                      // (usec)
                                                         226 \text{ chars} =
                                                                         1808 Pixels
// H Right Border
                     = 0.000:
                                      // (usec)
                                                           0
                                                             chars =
                                                                            0 Pixels
                                                  =
// H Front Porch
                     = 0.596;
                                      // (usec)
                                                  =
                                                          16
                                                             chars =
                                                                          128 Pixels
Hor Sync Time
                                                             chars =
                     = 0.820;
                                      // (usec)
                                                  =
                                                          22
                                                                          176 Pixels
// H Back Porch
                     = 1.416:
                                      // (usec)
                                                          38
                                                             chars =
                                                                          304 Pixels
// H Left Border
                     = 0.000:
                                      // (usec)
                                                           \mathbf{0} chars =
                                                                            0 Pixels
                                                  =
Ver Total Time
                     = 11.773:
                                      // (msec)
                                                       1105 lines
                                                                       HT - (1.06xHA)
                                                  =
Ver Addr Time
                     = 11.187:
                                      // (msec)
                                                       1050 lines
                                                                            = 2.36
                                                  =
Ver Blank Start
                     = 11.187:
                                      // (msec)
                                                       1050 lines
                                                  =
Ver Blank Time
                     = 0.586;
                                      // (msec)
                                                  =
                                                          55 lines
Ver Sync Start
                     = 11.219;
                                      // (msec)
                                                  =
                                                       1053 lines
// V Bottom Border
                     = 0.000:
                                      // (msec)
                                                           0 lines
                                                  =
// V Front Porch
                     = 0.032;
                                      // (msec)
                                                           3 lines
                                                  =
Ver Svnc Time
                                                           6 lines
                     = 0.064:
                                      // (msec)
                                                  =
// V Back Porch
                     = 0.490:
                                                          46 lines
                                      // (msec)
                                                  =
// V Top Border
                     = 0.000;
                                                           0 lines
                                      // (msec)
                                                  =
```

Adopted: 5/1/07

Resolution: 1680 x 1050 at 120 Hz (non-interlaced) REDUCED BLANKING DMT ID: 3Dh; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a

Method: Generated using CVT (Reduced Blanking) Formula

Detailed Timing Parameters

```
Timing Name
                        1680 x 1050 @ 120Hz CVT (Reduced Blanking);
Hor Pixels
                     = 1680:
                                       // Pixels
                                       // Lines
Ver Pixels
                     = 1050;
Hor Frequency
                     = 133.424:
                                       // kHz
                                                          7.5 usec
                                                                      / line
Ver Frequency
                     = 119.986;
                                                          8.3 msec
                                       // Hz
                                                   =
                                                                      / frame
Pixel Clock
                     = 245.500;
                                       // MHz
                                                   =
                                                          4.1 nsec
                                                                        \pm 0.5\%
Character Width
                     = 8;
                                       // Pixels
                                                   =
                                                         32.6 nsec
                     = NONINTERLACED;
                                                                            0.9 %
Scan Type
                                                          // H Phase =
                                                        8.7% of HTotal
Hor Sync Polarity
                     = POSITIVE;
                                       // HBlank =
Ver Svnc Polarity
                     = NEGATIVE
                                       // VBlank
                                                        5.6% of VTotal
                     = 7.495:
Hor Total Time
                                       // (usec)
                                                          230 \text{ chars} =
                                                                          1840 Pixels
Hor Addr Time
                     = 6.843:
                                                                          1680 Pixels
                                       // (usec)
                                                          210 \text{ chars} =
Hor Blank Start
                     = 6.843:
                                       // (usec)
                                                          210 \text{ chars} =
                                                                          1680 Pixels
Hor Blank Time
                     = 0.652:
                                       // (usec)
                                                           20 \text{ chars} =
                                                                           160 Pixels
Hor Sync Start
                     = 7.039;
                                       // (usec)
                                                   =
                                                          216 \text{ chars} =
                                                                          1728 Pixels
// H Right Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                            0
                                                               chars =
                                                                              0 Pixels
// H Front Porch
                     = 0.196;
                                       // (usec)
                                                               chars =
                                                                            48 Pixels
                                                   =
                                                            6
Hor Sync Time
                     = 0.130:
                                       // (usec)
                                                               chars =
                                                                            32 Pixels
// H Back Porch
                                       // (usec)
                                                           10 \text{ chars} =
                                                                            80 Pixels
                     = 0.326;
                                                   =
// H Left Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                            \mathbf{0} chars =
                                                                              0 Pixels
Ver Total Time
                     = 8.334:
                                       // (msec)
                                                         1112 lines
                                                                        HT - (1.06xHA)
Ver Addr Time
                     = 7.870;
                                       // (msec)
                                                         1050 lines
                                                                              = 0.24
                                                   =
Ver Blank Start
                     = 7.870:
                                                         1050 lines
                                       // (msec)
Ver Blank Time
                     = 0.465;
                                       // (msec)
                                                           62 lines
                                                   =
Ver Sync Start
                     = 7.892;
                                       // (msec)
                                                         1053 lines
// V Bottom Border
                     = 0.000:
                                       // (msec)
                                                   =
                                                            0 lines
// V Front Porch
                     = 0.022;
                                       // (msec)
                                                   =
                                                            3 lines
Ver Sync Time
                     = 0.045;
                                                            6 lines
                                       // (msec)
                                                   =
// V Back Porch
                     = 0.397;
                                       // (msec)
                                                           53 lines
                                                   =
// V Top Border
                     = 0.000:
                                                            0 lines
                                       // (msec)
```

Adopted: 9/17/98

Resolution: 1792 x 1344 at 60 Hz (non-interlaced)

EDID ID: DMT ID: 3Eh; STD 2 Byte Code: (C1, 40)h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
= 1792 x 1344 @ 60 Hz
Timing Name
Hor Pixels
                    = 1792:
                                      // Pixels
Ver Pixels
                                      // Lines
                    = 1344:
Hor Frequency
                    = 83.640;
                                      // kHz
                                                        12.0 usec
                                                                    / line
                                                  =
Ver Frequency
                     = 60.000:
                                      // Hz
                                                        16.7 msec
                                                                    / frame
Pixel Clock
                    = 204.750;
                                                         4.9 nsec
                                                                      \pm 0.5\%
                                      // MHz
                                                  =
Character Width
                    = 8;
                                      // Pixels
                                                  =
                                                       39.1 nsec
Scan Type
                    = NONINTERLACED;
                                                        // H Phase =
                                                                          4.1 %
Hor Sync Polarity
                     = NEGATIVE: // HBlank =
                                                     26.8% of HTotal
Ver Sync Polarity
                     = POSITIVE:
                                      // VBlank
                                                       3.6% of VTotal
Hor Total Time
                    = 11.956;
                                      // (usec)
                                                        306 chars =
                                                                        2448 Pixels
                                                  =
Hor Addr Time
                    = 8.752:
                                      // (usec)
                                                        224 chars =
                                                                        1792 Pixels
                                                  =
Hor Blank Start
                    = 8.752:
                                      // (usec)
                                                        224 chars =
                                                                        1792 Pixels
                                                  =
Hor Blank Time
                                                         82 \text{ chars} =
                                                                         656 Pixels
                    = 3.204:
                                      // (usec)
Hor Sync Start
                                                        240 \text{ chars} =
                                                                        1920 Pixels
                    = 9.377;
                                      // (usec)
                                                  =
// H Right Border
                    = 0.000:
                                                          \mathbf{0} chars =
                                                                           0 Pixels
                                      // (usec)
                                                  =
// H Front Porch
                    = 0.625;
                                      // (usec)
                                                  =
                                                         16
                                                             chars =
                                                                         128 Pixels
                                                                         200 Pixels
Hor Sync Time
                    = 0.977;
                                      // (usec)
                                                  =
                                                         25
                                                             chars =
// H Back Porch
                    = 1.602;
                                      // (usec)
                                                         41 chars =
                                                                         328 Pixels
// H Left Border
                     = 0.000;
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
Ver Total Time
                    = 16.667;
                                      // (msec)
                                                  =
                                                       1394 lines
                                                                      HT - (1.06xHA)
Ver Addr Time
                    = 16.069;
                                                       1344 lines
                                                                           = 2.68
                                      // (msec)
                                                  =
Ver Blank Start
                    = 16.069:
                                      // (msec)
                                                       1344 lines
                                                  =
Ver Blank Time
                    = 0.598:
                                                         50 lines
                                      // (msec)
                                                  =
Ver Sync Start
                     = 16.081;
                                      // (msec)
                                                       1345 lines
// V Bottom Border
                    = 0.000:
                                      // (msec)
                                                          0 lines
// V Front Porch
                    = 0.012;
                                      // (msec)
                                                          1 lines
                                                  =
Ver Sync Time
                    = 0.036;
                                      // (msec)
                                                          3 lines
                                                  =
// V Back Porch
                    = 0.550;
                                      // (msec)
                                                  =
                                                         46 lines
// V Top Border
                    = 0.000;
                                      // (msec)
                                                          0 lines
```

Adopted: 9/17/98

Resolution: 1792 x 1344 at 75 Hz (non-interlaced)

EDID ID: DMT ID: 3Fh; STD 2 Byte Code: (C1, 4F)h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1792 \times 1344 @ 75Hz;
Hor Pixels
                    = 1792:
                                      // Pixels
Ver Pixels
                                      // Lines
                    = 1344:
                    = 106.270:
                                      // kHz
                                                        9.4 usec
                                                                    / line
Hor Frequency
                                                 =
Ver Frequency
                    = 74.997;
                                      // Hz
                                                       13.3 msec
                                                                    / frame
                                                                      \pm 0.5\%
Pixel Clock
                    = 261.000;
                                      // MHz
                                                        3.8 nsec
                                                 =
Character Width
                    = 8;
                                      // Pixels
                                                 =
                                                       30.7 nsec
Scan Type
                    = NONINTERLACED;
                                                        // H Phase =
                                                                         5.2 %
                    = NEGATIVE; // HBlank = 27.0% of HTotal
Hor Sync Polarity
Ver Sync Polarity
                                      // VBlank =
                                                      5.2% of VTotal
                    = POSITIVE:
Hor Total Time
                    = 9.410:
                                                        307 chars =
                                                                       2456 Pixels
                                      // (usec)
Hor Addr Time
                                                        224 chars =
                                                                       1792 Pixels
                    = 6.866;
                                      // (usec)
Hor Blank Start
                    = 6.866:
                                      // (usec)
                                                        224 chars =
                                                                        1792 Pixels
                                                 =
Hor Blank Time
                    = 2.544;
                                      // (usec)
                                                         83 \text{ chars} =
                                                                         664 Pixels
                                                 =
Hor Sync Start
                    = 7.234;
                                      // (usec)
                                                        236 \text{ chars} =
                                                                        1888 Pixels
// H Right Border
                    = 0.000:
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
// H Front Porch
                                                         12
                    = 0.368:
                                      // (usec)
                                                             chars =
                                                                          96 Pixels
                                                                         216 Pixels
Hor Svnc Time
                    = 0.828:
                                      // (usec)
                                                         27
                                                             chars =
                                                 =
// H Back Porch
                    = 1.349;
                                                                         352 Pixels
                                      // (usec)
                                                 =
                                                         44 chars =
// H Left Border
                    = 0.000;
                                      // (usec)
                                                          0
                                                             chars =
                                                                           0 Pixels
Ver Total Time
                    = 13.334:
                                      // (msec)
                                                      1417 lines
                                                                      HT - (1.06xHA)
Ver Addr Time
                    = 12.647:
                                      // (msec)
                                                       1344 lines
                                                                           = 2.13
                                                 =
Ver Blank Start
                    = 12.647;
                                      // (msec)
                                                      1344 lines
                                                 =
Ver Blank Time
                                                         73 lines
                    = 0.687;
                                      // (msec)
                                                 =
Ver Sync Start
                    = 12.656;
                                      // (msec)
                                                 =
                                                       1345 lines
// V Bottom Border
                    = 0.000:
                                                          0 lines
                                      // (msec)
                                                 =
// V Front Porch
                    = 0.009;
                                      // (msec)
                                                          1 lines
                                                 =
Ver Svnc Time
                    = 0.028:
                                      // (msec)
                                                 =
                                                          3 lines
// V Back Porch
                    = 0.649:
                                      // (msec)
                                                         69 lines
                                                 =
// V Top Border
                    = 0.000:
                                      // (msec)
                                                          0 lines
```

Adopted: 5/1/07

Resolution: 1792 x 1344 at 120 Hz (non-interlaced) REDUCED BLANKING DMT ID: 40h; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a

Method: Generated using CVT (Reduced Blanking) Formula

Detailed Timing Parameters

```
Timing Name
                       1792 x 1344 @ 120Hz CVT (Reduced Blanking);
Hor Pixels
                     = 1792:
                                       // Pixels
                                       // Lines
Ver Pixels
                     = 1344;
Hor Frequency
                     = 170.722:
                                       // kHz
                                                          5.9 usec
                                                                     / line
Ver Frequency
                     = 119.974;
                                                          8.3 msec
                                                                     / frame
                                       // Hz
                                                   =
Pixel Clock
                     = 333.250:
                                       // MHz
                                                   =
                                                          3.0 nsec
                                                                        \pm 0.5\%
Character Width
                     = 8;
                                       // Pixels
                                                   =
                                                        24.0 nsec
                     = NONINTERLACED;
                                                          // H Phase =
                                                                           0.8 %
Scan Type
Hor Sync Polarity
                     = POSITIVE;
                                       // HBlank =
                                                        8.2% of HTotal
Ver Svnc Polarity
                     = NEGATIVE
                                      // VBlank
                                                       5.6% of VTotal
                     = 5.857:
Hor Total Time
                                       // (usec)
                                                         244 chars =
                                                                         1952 Pixels
Hor Addr Time
                     = 5.377:
                                                                         1792 Pixels
                                       // (usec)
                                                         224 chars =
Hor Blank Start
                     = 5.377:
                                       // (usec)
                                                         224
                                                              chars =
                                                                         1792 Pixels
Hor Blank Time
                     = 0.480;
                                       // (usec)
                                                          20 \text{ chars} =
                                                                          160 Pixels
Hor Sync Start
                     = 5.521;
                                       // (usec)
                                                   =
                                                         230 \text{ chars} =
                                                                         1840 Pixels
// H Right Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                           \mathbf{0} chars =
                                                                             0 Pixels
// H Front Porch
                     = 0.144;
                                       // (usec)
                                                             chars =
                                                                            48 Pixels
                                                   =
                                                           6
Hor Sync Time
                     = 0.096;
                                       // (usec)
                                                              chars =
                                                                            32 Pixels
// H Back Porch
                                       // (usec)
                                                          10 \text{ chars} =
                                                                           80 Pixels
                     = 0.240:
                                                   =
// H Left Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                           \mathbf{0} chars =
                                                                             0 Pixels
Ver Total Time
                     = 8.335:
                                       // (msec)
                                                        1423 lines
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 7.872;
                                       // (msec)
                                                        1344 lines
                                                                             = 0.16
Ver Blank Start
                     = 7.872:
                                                        1344 lines
                                       // (msec)
Ver Blank Time
                     = 0.463;
                                       // (msec)
                                                          79 lines
                                                   =
Ver Sync Start
                     = 7.890;
                                       // (msec)
                                                        1347 lines
// V Bottom Border
                                       // (msec)
                     = 0.000:
                                                   =
                                                           0 lines
// V Front Porch
                     = 0.018;
                                       // (msec)
                                                   =
                                                           3 lines
Ver Sync Time
                     = 0.023;
                                                           4 lines
                                       // (msec)
                                                   =
// V Back Porch
                     = 0.422;
                                       // (msec)
                                                          72 lines
                                                   =
// V Top Border
                     = 0.000:
                                                           0 lines
                                       // (msec)
```

Adopted: 9/17/98

Resolution: 1856 x 1392 at 60 Hz (non-interlaced)

EDID ID: DMT ID: 41h; STD 2 Byte Code: (C9, 40)h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1856 \times 1392 \text{ at } 60 \text{Hz};
                    = 1856:
Hor Pixels
                                      // Pixels
Ver Pixels
                    = 1392;
                                      // Lines
                    = 86.333:
                                      // kHz
Hor Frequency
                                                        11.6 usec
                                                                    / line
                                                  =
Ver Frequency
                    = 59.995:
                                      // Hz
                                                        16.7 msec
                                                                    / frame
                                                                      \pm 0.5\%
Pixel Clock
                    = 218.250;
                                      // MHz
                                                         4.6 nsec
                                                  =
                                      // Pixels
                                                       36.7 nsec
Character Width
                    = 8;
                                                  =
Scan Type
                    = NONINTERLACED;
                                                         // H Phase =
                                                                          5.1 %
                    = NEGATIVE; // HBlank = 26.6% of HTotal
Hor Sync Polarity
Ver Sync Polarity
                                      // VBlank =
                                                       3.3% of VTotal
                    = POSITIVE:
Hor Total Time
                    = 11.583;
                                      // (usec)
                                                        316 \text{ chars} =
                                                                        2528 Pixels
Hor Addr Time
                    = 8.504;
                                      // (usec)
                                                        232 chars =
                                                                        1856 Pixels
Hor Blank Start
                    = 8.504:
                                      // (usec)
                                                        232 \text{ chars} =
                                                                        1856 Pixels
                                                  =
Hor Blank Time
                    = 3.079;
                                      // (usec)
                                                         84 chars =
                                                                         672 Pixels
                                                  =
Hor Sync Start
                    = 8.944:
                                      // (usec)
                                                        244 chars =
                                                                        1952 Pixels
// H Right Border
                                                          0 chars =
                    = 0.000:
                                      // (usec)
                                                                           0 Pixels
// H Front Porch
                    = 0.440:
                                      // (usec)
                                                         12
                                                             chars =
                                                                          96 Pixels
                                                  =
Hor Svnc Time
                    = 1.026:
                                      // (usec)
                                                         28
                                                             chars =
                                                                         224 Pixels
                                                  =
// H Back Porch
                                                                         352 Pixels
                    = 1.613;
                                      // (usec)
                                                  =
                                                         44 chars =
// H Left Border
                    = 0.000;
                                      // (usec)
                                                  =
                                                          0
                                                             chars =
                                                                           0 Pixels
Ver Total Time
                    = 16.668;
                                      // (msec)
                                                       1439 lines
                                                                      HT - (1.06xHA)
Ver Addr Time
                    = 16.124;
                                      // (msec)
                                                       1392 lines
                                                                           = 2.57
                                                  =
Ver Blank Start
                    = 16.124;
                                      // (msec)
                                                       1392 lines
                                                  =
                                                         47 lines
Ver Blank Time
                    = 0.544;
                                      // (msec)
                                                  =
Ver Sync Start
                    = 16.135;
                                      // (msec)
                                                  =
                                                       1393 lines
// V Bottom Border
                    = 0.000:
                                                          0 lines
                                      // (msec)
                                                  =
// V Front Porch
                    = 0.012;
                                      // (msec)
                                                          1 lines
                                                  =
Ver Svnc Time
                    = 0.035:
                                      // (msec)
                                                  =
                                                          3 lines
// V Back Porch
                    = 0.498:
                                      // (msec)
                                                         43 lines
                                                  =
// V Top Border
                    = 0.000:
                                      // (msec)
                                                          0 lines
```

Adopted: 9/17/98

Resolution: 1856 x 1392 at 75 Hz (non-interlaced)

EDID ID: DMT ID: 42h; STD 2 Byte Code: (C9, 4F)h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1856 x 1392 @ 75Hz;
                    = 1856:
Hor Pixels
                                      // Pixels
Ver Pixels
                                      // Lines
                    = 1392;
                    = 112.500:
                                      // kHz
                                                                    / line
Hor Frequency
                                                        8.9 usec
                                                  =
Ver Frequency
                    = 75.000;
                                      // Hz
                                                       13.3 msec
                                                                    / frame
Pixel Clock
                                                                      \pm 0.5\%
                    = 288.000;
                                      // MHz
                                                  =
                                                        3.5 nsec
Character Width
                    = 8;
                                      // Pixels
                                                  =
                                                       27.8 nsec
Scan Type
                    = NONINTERLACED;
                                                        // H Phase =
                                                                         4.4 %
                    = NEGATIVE: // HBlank = 27.5% of HTotal
Hor Sync Polarity
Ver Sync Polarity
                     = POSITIVE:
                                      // VBlank =
                                                      7.2% of VTotal
Hor Total Time
                    = 8.889:
                                      // (usec)
                                                        320 \text{ chars} =
                                                                       2560 Pixels
                                                  =
Hor Addr Time
                    = 6.444;
                                      // (usec)
                                                        232 chars =
                                                                        1856 Pixels
Hor Blank Start
                    = 6.444;
                                      // (usec)
                                                        232 chars =
                                                                        1856 Pixels
                                                  =
                                                         88
Hor Blank Time
                    = 2.444:
                                      // (usec)
                                                            chars =
                                                                         704 Pixels
                                                                        1984 Pixels
Hor Sync Start
                    = 6.889;
                                      // (usec)
                                                        248 \text{ chars} =
// H Right Border
                    = 0.000:
                                                          \mathbf{0} chars =
                                      // (usec)
                                                                           0 Pixels
                                                  =
// H Front Porch
                    = 0.444:
                                      // (usec)
                                                         16 chars =
                                                                         128 Pixels
                                                  =
Hor Sync Time
                    = 0.778;
                                      // (usec)
                                                  =
                                                         28 chars =
                                                                         224 Pixels
// H Back Porch
                    = 1.222;
                                      // (usec)
                                                  =
                                                         44 chars =
                                                                         352 Pixels
// H Left Border
                    = 0.000;
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
Ver Total Time
                    = 13.333;
                                                       1500 lines
                                                                      HT - (1.06xHA)
                                      // (msec)
                                                  =
Ver Addr Time
                    = 12.373;
                                      // (msec)
                                                       1392 lines
                                                                           = 2.06
Ver Blank Start
                                      // (msec)
                                                       1392 lines
                    = 12.373;
                                                  =
Ver Blank Time
                    = 0.960;
                                      // (msec)
                                                        108 lines
                                                  =
Ver Sync Start
                    = 12.382;
                                                       1393 lines
                                      // (msec)
                                                  =
// V Bottom Border
                    = 0.000;
                                                          0 lines
                                      // (msec)
                                                  =
// V Front Porch
                    = 0.009:
                                      // (msec)
                                                  =
                                                          1 lines
Ver Sync Time
                    = 0.027;
                                      // (msec)
                                                          3 lines
                                                  =
// V Back Porch
                    = 0.924:
                                      // (msec)
                                                  =
                                                        104 lines
// V Top Border
                    = 0.000;
                                      // (msec)
                                                          0 lines
```

Adopted: 5/1/07

Resolution: 1856 x 1392 at 120 Hz (non-interlaced) REDUCED BLANKING DMT ID: 43h; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a

Method: Generated using CVT (Reduced Blanking) Formula

Detailed Timing Parameters

```
Timing Name
                        1856 x 1392 @ 120Hz CVT (Reduced Blanking);
                     = 1856:
Hor Pixels
                                       // Pixels
Ver Pixels
                     = 1392;
                                       // Lines
Hor Frequency
                     = 176.835:
                                       // kHz
                                                         5.7 usec
                                                                     / line
Ver Frequency
                     = 119.970;
                                                         8.3 msec
                                                                     / frame
                                       // Hz
                                                  =
Pixel Clock
                     = 356.500:
                                       // MHz
                                                  =
                                                         2.8 nsec
                                                                       \pm 0.5\%
Character Width
                     = 8;
                                       // Pixels
                                                  =
                                                        22.4 nsec
                                                                           0.8 %
Scan Type
                     = NONINTERLACED;
                                                         // H Phase =
Hor Sync Polarity
                     = POSITIVE;
                                      // HBlank =
                                                       7.9% of HTotal
Ver Svnc Polarity
                     = NEGATIVE
                                      // VBlank
                                                       5.6% of VTotal
                     = 5.655;
Hor Total Time
                                       // (usec)
                                                         252 chars =
                                                                         2016 Pixels
Hor Addr Time
                     = 5.206;
                                                         232 chars =
                                                                         1856 Pixels
                                       // (usec)
Hor Blank Start
                     = 5.206;
                                       // (usec)
                                                         232 \text{ chars} =
                                                                         1856 Pixels
Hor Blank Time
                     = 0.449;
                                       // (usec)
                                                          20 \text{ chars} =
                                                                          160 Pixels
Hor Sync Start
                     = 5.341;
                                       // (usec)
                                                  =
                                                         238 chars =
                                                                         1904 Pixels
// H Right Border
                     = 0.000:
                                       // (usec)
                                                  =
                                                           0
                                                              chars =
                                                                            0 Pixels
// H Front Porch
                     = 0.135;
                                       // (usec)
                                                             chars =
                                                                           48 Pixels
                                                  =
                                                           6
Hor Sync Time
                     = 0.090;
                                       // (usec)
                                                              chars =
                                                                           32 Pixels
// H Back Porch
                     = 0.224:
                                       // (usec)
                                                          10 \text{ chars} =
                                                                           80 Pixels
                                                  =
// H Left Border
                     = 0.000:
                                       // (usec)
                                                  =
                                                           \mathbf{0} chars =
                                                                            0 Pixels
Ver Total Time
                     = 8.335:
                                       // (msec)
                                                        1474 lines
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 7.872;
                                       // (msec)
                                                        1392 lines
                                                                            = 0.14
Ver Blank Start
                     = 7.872:
                                                        1392 lines
                                       // (msec)
Ver Blank Time
                     = 0.464;
                                       // (msec)
                                                          82 lines
                                                  =
Ver Sync Start
                     = 7.889;
                                       // (msec)
                                                        1395 lines
// V Bottom Border
                     = 0.000:
                                       // (msec)
                                                  =
                                                           0 lines
// V Front Porch
                     = 0.017;
                                       // (msec)
                                                  =
                                                           3 lines
Ver Sync Time
                     = 0.023;
                                                           4 lines
                                       // (msec)
                                                  =
// V Back Porch
                     = 0.424;
                                       // (msec)
                                                          75 lines
                                                  =
// V Top Border
                                                           0 lines
                     = 0.000:
                                       // (msec)
```

Adopted: Nov. 30, 2007

Resolution: 1920 x 1080 at 60 Hz (non-interlaced)

EDID ID: DMT ID: 52h; STD 2 Byte Code: (D1, C0)h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT

Per CEA-861 --- 1080p (Code 16) Timing Definition

Detailed Timing Parameters

```
Timing Name
                    = 1920 x 1080 @ 60Hz;
Hor Pixels
                    = 1920:
                                      // Pixels
Ver Pixels
                     = 1080;
                                      // Lines
Hor Frequency
                     = 67.500:
                                      // kHz
                                                        14.8 usec
                                                                    / line
                                                  =
Ver Frequency
                     = 60.000;
                                      // Hz
                                                        16.7 msec
                                                                    / frame
Pixel Clock
                     = 148.500:
                                      // MHz
                                                         6.7 nsec
                                                                       \pm 0.5\%
                                                  =
Character Width
                                      // Pixels
                     = 4:
                                                  =
                                                        26.9 nsec
Scan Type
                     = NONINTERLACED;
                                                         // H Phase =
                                                                          1.4 %
                                      // HBlank =
Hor Sync Polarity
                     = POSITIVE
                                                     12.7% of HTotal
Ver Sync Polarity
                                      // VBlank
                                                       4.0% of VTotal
                     = POSITIVE
                                                  =
Hor Total Time
                     = 14.815:
                                                                        2200 Pixels
                                      // (usec)
                                                        550 chars =
Hor Addr Time
                                                                        1920 Pixels
                     = 12.929;
                                      // (usec)
                                                        480
                                                             chars =
Hor Blank Start
                     = 12.929;
                                      // (usec)
                                                        480 chars =
                                                                        1920 Pixels
                                                  =
                     = 1.886:
                                                                          280 Pixels
Hor Blank Time
                                      // (usec)
                                                         70 \text{ chars} =
Hor Sync Start
                     = 13.522;
                                      // (usec)
                                                        502 chars =
                                                                        2008 Pixels
// H Right Border
                     = 0.000:
                                      // (usec)
                                                           \mathbf{0} chars =
                                                                            0 Pixels
                                                  =
// H Front Porch
                     = 0.593:
                                      // (usec)
                                                          22 chars =
                                                                           88 Pixels
                                                  =
Hor Sync Time
                     = 0.296;
                                      // (usec)
                                                         11 chars =
                                                                           44 Pixels
// H Back Porch
                     = 0.997;
                                      // (usec)
                                                              chars =
                                                                          148 Pixels
                                                         37
// H Left Border
                     = 0.000;
                                                           \mathbf{0} chars =
                                                                            0 Pixels
                                      // (usec)
                                                  =
Ver Total Time
                     = 16.667;
                                                       1125 lines
                                                                       HT - (1.06xHA)
                                      // (msec)
Ver Addr Time
                                                       1080 lines
                     = 16.000;
                                      // (msec)
                                                                            = 1.11
                                                  =
Ver Blank Start
                     = 16.000;
                                      // (msec)
                                                       1080 lines
Ver Blank Time
                     = 0.667;
                                      // (msec)
                                                          45 lines
                                                  =
Ver Sync Start
                                      // (msec)
                                                       1084 lines
                     = 16.059:
// V Bottom Border
                     = 0.000:
                                                           0 lines
                                      // (msec)
// V Front Porch
                     = 0.059:
                                      // (msec)
                                                  =
                                                           4 lines
Ver Sync Time
                     = 0.074;
                                      // (msec)
                                                  =
                                                           5 lines
// V Back Porch
                     = 0.533;
                                      // (msec)
                                                          36 lines
                                                  =
// V Top Border
                     = 0.000;
                                      // (msec)
                                                  =
                                                           0 lines
```

Definition of Terms:

Refer to section 3.1

Adopted: 8/21/03

Resolution: 1920 x 1200 at 60 Hz (non-interlaced) REDUCED BLANKING

EDID ID: DMT ID: 44h; STD 2 Byte Code: n/a; CVT 3 Byte Code: (57, 28, 21)h

Method: CVT Reduced Blanking

Detailed Timing Parameters

```
Timing Name
                        1920 x 1200 @ 60Hz CVT (Reduced Blanking);
Hor Pixels
                     = 1920:
                                       // Pixels
                                       // Lines
Ver Pixels
                     = 1200;
Hor Frequency
                     = 74.038:
                                       // kHz
                                                         13.5 usec
                                                                      / line
Ver Frequency
                     = 59.950;
                                                         16.7 msec
                                                                      / frame
                                       // Hz
                                                   =
Pixel Clock
                     = 154.000:
                                       // MHz
                                                   =
                                                          6.5 nsec
                                                                        \pm 0.5\%
Character Width
                                       // Pixels
                                                         51.9 nsec
                     = 8;
                                                          // H Phase =
                                                                            0.8 %
Scan Type
                     = NONINTERLACED;
Hor Sync Polarity
                     = POSITIVE;
                                                        7.7% of HTotal
                                       // HBlank =
Ver Svnc Polarity
                     = NEGATIVE
                                       // VBlank
                                                        2.8% of VTotal
                     = 13.506:
                                                                          2080 Pixels
Hor Total Time
                                       // (usec)
                                                         260 chars =
Hor Addr Time
                     = 12.468:
                                                                          1920 Pixels
                                       // (usec)
                                                         240 \text{ chars} =
Hor Blank Start
                     = 12.468:
                                       // (usec)
                                                         240 \text{ chars} =
                                                                          1920 Pixels
Hor Blank Time
                     = 1.039;
                                       // (usec)
                                                           20 \text{ chars} =
                                                                           160 Pixels
Hor Sync Start
                     = 12.779;
                                       // (usec)
                                                   =
                                                         246 chars =
                                                                          1968 Pixels
// H Right Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                            \mathbf{0} chars =
                                                                              0 Pixels
// H Front Porch
                     = 0.312;
                                       // (usec)
                                                            6 \text{ chars} =
                                                                            48 Pixels
                                                   =
Hor Sync Time
                     = 0.208:
                                                                            32 Pixels
                                       // (usec)
                                                               chars =
// H Back Porch
                     = 0.519:
                                       // (usec)
                                                           10 \text{ chars} =
                                                                            80 Pixels
                                                   =
// H Left Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                            \mathbf{0} chars =
                                                                              0 Pixels
Ver Total Time
                     = 16.681:
                                       // (msec)
                                                        1235 lines
                                                                        HT - (1.06xHA)
Ver Addr Time
                     = 16.208;
                                       // (msec)
                                                        1200 lines
                                                                              = 0.29
Ver Blank Start
                     = 16.208:
                                                        1200 lines
                                       // (msec)
Ver Blank Time
                     = 0.473;
                                       // (msec)
                                                           35 lines
                                                   =
Ver Sync Start
                     = 16.248;
                                       // (msec)
                                                        1203 lines
// V Bottom Border
                     = 0.000:
                                       // (msec)
                                                   =
                                                            0 lines
// V Front Porch
                     = 0.041;
                                       // (msec)
                                                   =
                                                            3 lines
Ver Sync Time
                     = 0.081;
                                                            6 lines
                                       // (msec)
                                                   =
// V Back Porch
                     = 0.351;
                                       // (msec)
                                                           26 lines
                                                   =
// V Top Border
                     = 0.000:
                                                            0 lines
                                       // (msec)
```

Adopted: 8/21/03

Resolution: 1920 x 1200 at 60 Hz (non-interlaced)

EDID ID: DMT ID: 45h; STD 2 Byte Code: (D1, 00)h; CVT 3 Byte Code: (57, 28, 28)h

Method: CVT Compliant

Detailed Timing Parameters

```
Timing Name
                       1920 x 1200 @ 60Hz;
Hor Pixels
                    = 1920:
                                      // Pixels
Ver Pixels
                     = 1200;
                                      // Lines
                                                                     / line
Hor Frequency
                     = 74.556;
                                      // kHz
                                                        13.4 usec
Ver Frequency
                     = 59.885;
                                                        16.7 msec
                                                                    / frame
                                      // Hz
                                                  =
Pixel Clock
                     = 193.250:
                                      // MHz
                                                  =
                                                         5.2 nsec
                                                                       \pm 0.5\%
Character Width
                     = 8;
                                      // Pixels
                                                  =
                                                        41.4 nsec
                     = NONINTERLACED;
                                                         // H Phase =
                                                                          3.9 %
Scan Type
Hor Sync Polarity
                     = NEGATIVE // HBlank =
                                                     25.9% of HTotal
Ver Sync Polarity
                     = POSITIVE;
                                      // VBlank
                                                       3.6% of VTotal
Hor Total Time
                     = 13.413:
                                      // (usec)
                                                        324 chars =
                                                                        2592 Pixels
Hor Addr Time
                     = 9.935;
                                                        240 chars =
                                                                        1920 Pixels
                                      // (usec)
                     = 9.935:
Hor Blank Start
                                      // (usec)
                                                        240 \text{ chars} =
                                                                        1920 Pixels
Hor Blank Time
                     = 3.477;
                                      // (usec)
                                                         84 \text{ chars} =
                                                                         672 Pixels
Hor Sync Start
                     = 10.639;
                                      // (usec)
                                                  =
                                                        257 chars =
                                                                        2056 Pixels
// H Right Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                           \mathbf{0} chars =
                                                                            0 Pixels
// H Front Porch
                     = 0.704;
                                      // (usec)
                                                             chars =
                                                                          136 Pixels
                                                  =
                                                          17
Hor Sync Time
                     = 1.035:
                                      // (usec)
                                                  =
                                                          25 chars =
                                                                         200 Pixels
// H Back Porch
                     = 1.739;
                                      // (usec)
                                                         42 chars =
                                                                         336 Pixels
                                                  =
// H Left Border
                     = 0.000:
                                      // (usec)
                                                  =
                                                           0
                                                             chars =
                                                                            0 Pixels
Ver Total Time
                     = 16.699:
                                      // (msec)
                                                       1245 lines
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 16.095;
                                      // (msec)
                                                       1200 lines
                                                                            = 2.88
Ver Blank Start
                     = 16.095:
                                                       1200 lines
                                      // (msec)
Ver Blank Time
                     = 0.604;
                                      // (msec)
                                                          45 lines
                                                  =
Ver Sync Start
                     = 16.135;
                                      // (msec)
                                                       1203 lines
// V Bottom Border
                     = 0.000:
                                      // (msec)
                                                  =
                                                           0 lines
// V Front Porch
                     = 0.040;
                                      // (msec)
                                                  =
                                                           3 lines
Ver Sync Time
                     = 0.080;
                                                           6 lines
                                      // (msec)
                                                  =
// V Back Porch
                     = 0.483;
                                      // (msec)
                                                          36 lines
                                                  =
// V Top Border
                     = 0.000:
                                                           0 lines
                                      // (msec)
```

Adopted: 8/21/03

Resolution: 1920 x 1200 at 75 Hz (non-interlaced)

EDID ID: DMT ID: 46h; STD 2 Byte Code: (D1, 0F)h; CVT 3 Byte Code: (57, 28, 44)h

Method: CVT Compliant

Detailed Timing Parameters

```
Timing Name
                    = 1920 x 1200 @ 75Hz;
Hor Pixels
                     = 1920:
                                       // Pixels
Ver Pixels
                     = 1200;
                                       // Lines
Hor Frequency
                     = 94.038;
                                       // kHz
                                                        10.6 usec
                                                                     / line
Ver Frequency
                     = 74.930;
                                                        13.3 msec
                                                                     / frame
                                       // Hz
                                                   =
Pixel Clock
                     = 245.250;
                                       // MHz
                                                   =
                                                          4.1 nsec
                                                                       \pm 0.5\%
Character Width
                     = 8;
                                       // Pixels
                                                   =
                                                        32.6 nsec
                     = NONINTERLACED;
                                                                           4.0 %
Scan Type
                                                          // H Phase =
Hor Sync Polarity
                     = NEGATIVE
                                      // HBlank =
                                                      26.4% of HTotal
Ver Sync Polarity
                     = POSITIVE;
                                       // VBlank
                                                       4.4% of VTotal
Hor Total Time
                     = 10.634:
                                       // (usec)
                                                         326 \text{ chars} =
                                                                         2608 Pixels
Hor Addr Time
                     = 7.829;
                                                                         1920 Pixels
                                       // (usec)
                                                         240 \text{ chars} =
Hor Blank Start
                     = 7.829:
                                       // (usec)
                                                         240 \text{ chars} =
                                                                         1920 Pixels
Hor Blank Time
                     = 2.805;
                                       // (usec)
                                                          86 chars =
                                                                          688 Pixels
Hor Sync Start
                     = 8.383;
                                       // (usec)
                                                   =
                                                         257 chars =
                                                                         2056 Pixels
// H Right Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                           \mathbf{0} chars =
                                                                             0 Pixels
// H Front Porch
                     = 0.555;
                                       // (usec)
                                                          17 chars =
                                                                          136 Pixels
                                                   =
Hor Sync Time
                     = 0.848:
                                                                          208 Pixels
                                       // (usec)
                                                   =
                                                          26 chars =
// H Back Porch
                     = 1.403:
                                       // (usec)
                                                          43 chars =
                                                                          344 Pixels
                                                   =
// H Left Border
                     = 0.000;
                                       // (usec)
                                                   =
                                                           \mathbf{0} chars =
                                                                             0 Pixels
Ver Total Time
                                                        1255 lines
                     = 13.346:
                                       // (msec)
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 12.761;
                                       // (msec)
                                                        1200 lines
                                                                             = 2.34
Ver Blank Start
                     = 12.761;
                                                        1200 lines
                                       // (msec)
Ver Blank Time
                     = 0.585;
                                       // (msec)
                                                          55 lines
                                                   =
                     = 12.793;
Ver Sync Start
                                       // (msec)
                                                        1203 lines
// V Bottom Border
                                                           0 lines
                     = 0.000;
                                       // (msec)
                                                   =
// V Front Porch
                     = 0.032;
                                       // (msec)
                                                   =
                                                           3 lines
Ver Sync Time
                     = 0.064;
                                                           6 lines
                                       // (msec)
                                                   =
// V Back Porch
                     = 0.489;
                                       // (msec)
                                                          46 lines
                                                   =
// V Top Border
                     = 0.000:
                                                           0 lines
                                       // (msec)
```

Adopted: 8/21/03

Resolution: 1920 x 1200 at 85 Hz (non-interlaced)

EDID ID: DMT ID: 47h; STD 2 Byte Code: (D1, 19)h; CVT 3 Byte Code: (57, 28, 62)h

Method: CVT Compliant

Detailed Timing Parameters

```
Timing Name
                       1920 x 1200 @ 85Hz;
Hor Pixels
                     = 1920:
                                       // Pixels
Ver Pixels
                     = 1200;
                                       // Lines
Hor Frequency
                     = 107.184:
                                       // kHz
                                                         9.3 usec
                                                                     / line
Ver Frequency
                     = 84.932;
                                                        11.8 msec
                                                                     / frame
                                       // Hz
                                                  =
Pixel Clock
                     = 281.250:
                                       // MHz
                                                  =
                                                         3.6 nsec
                                                                       \pm 0.5\%
Character Width
                     = 8;
                                       // Pixels
                                                  =
                                                        28.4 nsec
                     = NONINTERLACED;
Scan Type
                                                         // H Phase =
                                                                          4.0 %
Hor Sync Polarity
                     = NEGATIVE // HBlank =
                                                      26.8% of HTotal
Ver Svnc Polarity
                     = POSITIVE;
                                       // VBlank
                                                       4.9% of VTotal
                     = 9.330;
Hor Total Time
                                       // (usec)
                                                         328 \text{ chars} =
                                                                         2624 Pixels
Hor Addr Time
                     = 6.827:
                                                                         1920 Pixels
                                       // (usec)
                                                         240 \text{ chars} =
Hor Blank Start
                     = 6.827:
                                       // (usec)
                                                         240 \text{ chars} =
                                                                         1920 Pixels
Hor Blank Time
                     = 2.503;
                                       // (usec)
                                                          88
                                                              chars =
                                                                          704 Pixels
Hor Sync Start
                     = 7.339;
                                       // (usec)
                                                  =
                                                         258 chars =
                                                                         2064 Pixels
// H Right Border
                     = 0.000:
                                       // (usec)
                                                  =
                                                           \mathbf{0} chars =
                                                                            0 Pixels
// H Front Porch
                     = 0.512;
                                       // (usec)
                                                          18 chars =
                                                                          144 Pixels
                                                  =
Hor Sync Time
                     = 0.740;
                                                                          208 Pixels
                                       // (usec)
                                                  =
                                                          26 chars =
// H Back Porch
                     = 1.252;
                                       // (usec)
                                                          44 chars =
                                                                          352 Pixels
                                                  =
// H Left Border
                     = 0.000:
                                       // (usec)
                                                  =
                                                           0
                                                             chars =
                                                                            0 Pixels
Ver Total Time
                     = 11.774:
                                       // (msec)
                                                        1262 lines
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 11.196;
                                       // (msec)
                                                        1200 lines
                                                                            = 2.09
Ver Blank Start
                                                        1200 lines
                     = 11.196:
                                       // (msec)
Ver Blank Time
                     = 0.578;
                                       // (msec)
                                                          62 lines
                                                  =
Ver Sync Start
                     = 11.224;
                                       // (msec)
                                                        1203 lines
// V Bottom Border
                     = 0.000:
                                       // (msec)
                                                  =
                                                           0 lines
// V Front Porch
                     = 0.028;
                                       // (msec)
                                                  =
                                                           3 lines
Ver Sync Time
                     = 0.056;
                                                           6 lines
                                       // (msec)
                                                  =
// V Back Porch
                     = 0.494;
                                       // (msec)
                                                          53 lines
                                                  =
// V Top Border
                     = 0.000:
                                                           0 lines
                                       // (msec)
```

Adopted: 5/1/07

Resolution: 1920 x 1200 at 120 Hz (non-interlaced) REDUCED BLANKING DMT ID: 48h; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a

Method: Generated using CVT (Reduced Blanking) Formula

Detailed Timing Parameters

```
Timing Name
                        1920 x 1200 @ 120Hz CVT (Reduced Blanking);
Hor Pixels
                     = 1920:
                                       // Pixels
                                       // Lines
Ver Pixels
                     = 1200;
Hor Frequency
                     = 152.404:
                                       // kHz
                                                          6.6 usec
                                                                     / line
                                                   =
Ver Frequency
                     = 119.909;
                                                          8.3 msec
                                                                     / frame
                                       // Hz
                                                   =
Pixel Clock
                     = 317.000:
                                       // MHz
                                                   =
                                                          3.2 nsec
                                                                        \pm 0.5\%
Character Width
                     = 8;
                                       // Pixels
                                                   =
                                                        25.2 nsec
                     = NONINTERLACED;
                                                                           0.8 %
Scan Type
                                                          // H Phase =
Hor Sync Polarity
                     = POSITIVE;
                                       // HBlank =
                                                        7.7% of HTotal
Ver Svnc Polarity
                     = NEGATIVE
                                      // VBlank
                                                        5.6% of VTotal
                     = 6.562:
                                                                         2080 Pixels
Hor Total Time
                                       // (usec)
                                                         260 chars =
Hor Addr Time
                                                                         1920 Pixels
                     = 6.057:
                                       // (usec)
                                                         240 \text{ chars} =
Hor Blank Start
                     = 6.057:
                                       // (usec)
                                                         240 \text{ chars} =
                                                                         1920 Pixels
Hor Blank Time
                     = 0.505:
                                       // (usec)
                                                          20
                                                              chars =
                                                                          160 Pixels
Hor Sync Start
                     = 6.208;
                                       // (usec)
                                                   =
                                                         246 chars =
                                                                         1968 Pixels
// H Right Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                           \mathbf{0} chars =
                                                                             0 Pixels
// H Front Porch
                     = 0.151;
                                       // (usec)
                                                             chars =
                                                                            48 Pixels
                                                   =
                                                           6
Hor Sync Time
                                                                            32 Pixels
                     = 0.101:
                                       // (usec)
                                                              chars =
// H Back Porch
                     = 0.252:
                                       // (usec)
                                                          10 \text{ chars} =
                                                                            80 Pixels
                                                   =
// H Left Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                           \mathbf{0} chars =
                                                                             0 Pixels
Ver Total Time
                     = 8.340:
                                       // (msec)
                                                        1271 lines
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 7.874;
                                       // (msec)
                                                        1200 lines
                                                                             = 0.14
Ver Blank Start
                     = 7.874:
                                                        1200 lines
                                       // (msec)
Ver Blank Time
                     = 0.466;
                                       // (msec)
                                                          71 lines
                                                   =
                                                        1203 lines
Ver Sync Start
                     = 7.894;
                                       // (msec)
// V Bottom Border
                     = 0.000:
                                                           0 lines
                                       // (msec)
                                                   =
// V Front Porch
                     = 0.020;
                                       // (msec)
                                                   =
                                                           3 lines
Ver Sync Time
                     = 0.039;
                                                           6 lines
                                       // (msec)
                                                   =
// V Back Porch
                     = 0.407;
                                       // (msec)
                                                          62 lines
                                                   =
// V Top Border
                     = 0.000:
                                                           0 lines
                                       // (msec)
```

Adopted: 9/17/98

Resolution: 1920 x 1440 at 60 Hz (non-interlaced)

EDID ID: DMT ID: 49h; STD 2 Byte Code: (D1, 40)h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1920 x 1440 @ 60Hz;
Hor Pixels
                    = 1920:
                                      // Pixels
Ver Pixels
                                      // Lines
                    = 1440:
                    = 90.000:
                                      // kHz
                                                                    / line
Hor Frequency
                                                       11.1 usec
                                                  =
Ver Frequency
                    = 60.000:
                                      // Hz
                                                       16.7 msec
                                                                    / frame
                                                                      \pm 0.5\%
Pixel Clock
                    = 234.000;
                                      // MHz
                                                        4.3 nsec
                                                  =
Character Width
                    = 8;
                                      // Pixels
                                                  =
                                                       34.2 nsec
Scan Type
                    = NONINTERLACED;
                                                        // H Phase =
                                                                         4.2 %
                    = NEGATIVE; // HBlank = 26.2% of HTotal
Hor Sync Polarity
Ver Sync Polarity
                                      // VBlank =
                    = POSITIVE:
                                                      4.0% of VTotal
Hor Total Time
                                                        325 chars =
                    = 11.111;
                                      // (usec)
                                                                        2600 Pixels
Hor Addr Time
                                                                        1920 Pixels
                    = 8.205;
                                      // (usec)
                                                        240 \text{ chars} =
Hor Blank Start
                    = 8.205:
                                      // (usec)
                                                        240 \text{ chars} =
                                                                        1920 Pixels
                                                  =
Hor Blank Time
                    = 2.906;
                                      // (usec)
                                                         85 \text{ chars} =
                                                                         680 Pixels
                                                  =
Hor Sync Start
                    = 8.752;
                                      // (usec)
                                                        256 chars =
                                                                        2048 Pixels
// H Right Border
                    = 0.000:
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
// H Front Porch
                    = 0.547:
                                      // (usec)
                                                         16 chars =
                                                                         128 Pixels
                                                  =
Hor Svnc Time
                    = 0.889:
                                      // (usec)
                                                         26 chars =
                                                                         208 Pixels
                                                  =
// H Back Porch
                    = 1.470;
                                                                         344 Pixels
                                      // (usec)
                                                  =
                                                         43 chars =
// H Left Border
                    = 0.000;
                                      // (usec)
                                                  =
                                                          0
                                                            chars =
                                                                           0 Pixels
Ver Total Time
                    = 16.667:
                                      // (msec)
                                                       1500 lines
                                                                      HT - (1.06xHA)
                                                  =
Ver Addr Time
                    = 16.000;
                                      // (msec)
                                                       1440 lines
                                                                           = 2.41
                                                  =
Ver Blank Start
                    = 16.000;
                                      // (msec)
                                                       1440 lines
                                                  =
Ver Blank Time
                                                         60 lines
                    = 0.667;
                                      // (msec)
                                                  =
Ver Sync Start
                    = 16.011;
                                      // (msec)
                                                  =
                                                       1441 lines
// V Bottom Border
                    = 0.000:
                                                          0 lines
                                      // (msec)
                                                  =
// V Front Porch
                    = 0.011;
                                      // (msec)
                                                          1 lines
                                                  =
Ver Svnc Time
                    = 0.033:
                                      // (msec)
                                                  =
                                                          3 lines
// V Back Porch
                    = 0.622:
                                      // (msec)
                                                         56 lines
                                                  =
// V Top Border
                    = 0.000:
                                      // (msec)
                                                          0 lines
```

Adopted: 9/17/98

Resolution: 1920 x 1440 at 75 Hz (non-interlaced)

EDID ID: DMT ID: 4Ah; STD 2 Byte Code: (D1, 4F)h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 1920 \times 1440 @ 75Hz;
Hor Pixels
                    = 1920:
                                     // Pixels
Ver Pixels
                                     // Lines
                    = 1440:
                    = 112.500;
                                     // kHz
Hor Frequency
                                                       8.9 usec
                                                                   / line
                                                 =
Ver Frequency
                    = 75.000;
                                     // Hz
                                                 =
                                                      13.3 msec
                                                                  / frame
Pixel Clock
                    = 297.000;
                                     // MHz
                                                 =
                                                       3.4 nsec
                                                                     \pm 0.5\%
Character Width
                    = 8;
                                     // Pixels
                                                      26.9 nsec
Scan Type
                                                       // H Phase =
                                                                        3.9 %
                    = NONINTERLACED;
Hor Sync Polarity
                    = NEGATIVE // HBlank = 27.3% of HTotal
Ver Sync Polarity
                    = POSITIVE;
                                     // VBlank =
                                                     4.0% of VTotal
                                                       330 chars =
Hor Total Time
                    = 8.889;
                                                                      2640 Pixels
                                     // (usec)
Hor Addr Time
                                                                      1920 Pixels
                    = 6.465:
                                     // (usec)
                                                       240 \text{ chars} =
Hor Blank Start
                    = 6.465;
                                     // (usec)
                                                 =
                                                       240 chars =
                                                                      1920 Pixels
Hor Blank Time
                    = 2.424;
                                     // (usec)
                                                        90 \text{ chars} =
                                                                       720 Pixels
                                                 =
                                                                      2064 Pixels
Hor Sync Start
                    = 6.949;
                                     // (usec)
                                                       258 chars =
                                                 =
// H Right Border
                                                         \mathbf{0} chars =
                    = 0.000;
                                     // (usec)
                                                                          0 Pixels
                                                 =
// H Front Porch
                    = 0.485:
                                     // (usec)
                                                        18
                                                            chars =
                                                                        144 Pixels
                                                 =
Hor Sync Time
                    = 0.754;
                                     // (usec)
                                                        28
                                                            chars =
                                                                       224 Pixels
                                                 =
// H Back Porch
                                                        44 chars =
                                                                       352 Pixels
                    = 1.185;
                                     // (usec)
                                                 =
                                                         0 chars =
// H Left Border
                    = 0.000;
                                     // (usec)
                                                                          0 Pixels
Ver Total Time
                                                                     HT - (1.06xHA)
                    = 13.333:
                                     // (msec)
                                                      1500 lines
Ver Addr Time
                    = 12.800:
                                     // (msec)
                                                      1440 lines
                                                                          = 2.04
Ver Blank Start
                    = 12.800;
                                                      1440 lines
                                     // (msec)
Ver Blank Time
                    = 0.533:
                                     // (msec)
                                                 =
                                                        60 lines
Ver Sync Start
                    = 12.809:
                                     // (msec)
                                                      1441 lines
// V Bottom Border = 0.000:
                                     // (msec)
                                                         0 lines
// V Front Porch
                    = 0.009:
                                     // (msec)
                                                         1 lines
                                                 =
Ver Svnc Time
                    = 0.027:
                                     // (msec)
                                                 =
                                                         3 lines
// V Back Porch
                    = 0.498;
                                     // (msec)
                                                 =
                                                        56 lines
// V Top Border
                    = 0.000;
                                                         0 lines
                                     // (msec)
```

Adopted: 5/1/07

Resolution: 1920 x 1440 at 120 Hz (non-interlaced) REDUCED BLANKING DMT ID: 4Bh; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a

Method: Generated using CVT (Reduced Blanking) Formula

Detailed Timing Parameters

```
Timing Name
                        1920 x 1440 @ 120Hz CVT (Reduced Blanking);
Hor Pixels
                     = 1920:
                                       // Pixels
                                       // Lines
Ver Pixels
                     = 1440;
Hor Frequency
                     = 182.933:
                                       // kHz
                                                          5.5 usec
                                                                     / line
Ver Frequency
                     = 119.956;
                                                          8.3 msec
                                       // Hz
                                                   =
                                                                     / frame
Pixel Clock
                     = 380.500:
                                       // MHz
                                                   =
                                                          2.6 nsec
                                                                        \pm 0.5\%
Character Width
                     = 8;
                                       // Pixels
                                                   =
                                                        21.0 nsec
                     = NONINTERLACED;
                                                                           0.8 %
Scan Type
                                                          // H Phase =
Hor Sync Polarity
                     = POSITIVE;
                                       // HBlank =
                                                        7.7% of HTotal
Ver Svnc Polarity
                     = NEGATIVE
                                      // VBlank
                                                        5.6% of VTotal
                     = 5.466;
                                                                         2080 Pixels
Hor Total Time
                                       // (usec)
                                                         260 chars =
Hor Addr Time
                     = 5.046;
                                                                         1920 Pixels
                                       // (usec)
                                                         240 \text{ chars} =
Hor Blank Start
                     = 5.046:
                                       // (usec)
                                                         240 \text{ chars} =
                                                                         1920 Pixels
Hor Blank Time
                     = 0.420;
                                       // (usec)
                                                          20
                                                              chars =
                                                                          160 Pixels
Hor Sync Start
                     = 5.172;
                                       // (usec)
                                                   =
                                                         246 chars =
                                                                         1968 Pixels
// H Right Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                           \mathbf{0} chars =
                                                                             0 Pixels
// H Front Porch
                     = 0.126;
                                       // (usec)
                                                             chars =
                                                                            48 Pixels
                                                   =
                                                           6
Hor Sync Time
                                                                            32 Pixels
                     = 0.084:
                                       // (usec)
                                                              chars =
// H Back Porch
                                       // (usec)
                                                          10 \text{ chars} =
                                                                            80 Pixels
                     = 0.210:
                                                   =
// H Left Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                           \mathbf{0} chars =
                                                                             0 Pixels
Ver Total Time
                     = 8.336:
                                       // (msec)
                                                        1525 lines
                                                                       HT - (1.06xHA)
Ver Addr Time
                     = 7.872;
                                       // (msec)
                                                        1440 lines
                                                                             = 0.12
Ver Blank Start
                                                        1440 lines
                     = 7.872;
                                       // (msec)
Ver Blank Time
                     = 0.465;
                                       // (msec)
                                                          85 lines
                                                   =
Ver Sync Start
                     = 7.888;
                                       // (msec)
                                                        1443 lines
// V Bottom Border
                     = 0.000:
                                       // (msec)
                                                   =
                                                           0 lines
// V Front Porch
                     = 0.016;
                                       // (msec)
                                                   =
                                                           3 lines
Ver Sync Time
                     = 0.022;
                                                           4 lines
                                       // (msec)
                                                   =
// V Back Porch
                     = 0.426;
                                       // (msec)
                                                          78 lines
                                                   =
// V Top Border
                                                           0 lines
                     = 0.000:
                                       // (msec)
```

Proposed: 10/16/08 Adopted: TBD

Resolution: 2048 x 1152 at 60 Hz (non-interlaced) REDUCED BLANKING EDID ID: DMT ID: 54h; STD 2 Byte Code: E1h, C0h; CVT 3 Byte Code: n/a

Method: *** NOT CVT COMPLIANT ***

Detailed Timing Parameters

```
Timing Name
                    = 2048 x 1152 @ 60Hz:
                    = 2048:
Hor Pixels
                                      // Pixels
Ver Pixels
                    = 1152;
                                      // Lines
                    = 72.000:
                                      // KHz
Hor Frequency
                                                       13.9 usec
                                                                    / line
Ver Frequency
                    = 60.000:
                                      // Hz
                                                       16.7 msec
                                                                      frame
Pixel Clock
                                                                      \pm 0.5\%
                    = 162.000:
                                      // MHz
                                                 =
                                                        6.2 nsec
Character Width
                    = 1;
                                      // Pixels
                                                        6.2 nsec
Scan Type
                    = NONINTERLACED;
                                                        // H Phase =
                                                                         1.6 %
Hor Sync Polarity
                    = POSITIVE:
                                      // HBlank =
                                                      9.0% of HTotal
Ver Sync Polarity
                    = POSITIVE;
                                      // VBlank =
                                                      4.0% of VTotal
                                                      2250 chars =
                                                                       2250 Pixels
Hor Total Time
                    = 13.889:
                                      // (usec)
Hor Addr Time
                    = 12.642:
                                      // (usec)
                                                      2048 \text{ chars} =
                                                                       2048 Pixels
                    = 12.642;
                                                                       2048 Pixels
Hor Blank Start
                                      // (usec)
                                                      2048 chars =
                                                 =
Hor Blank Time
                    = 1.247;
                                      // (usec)
                                                        202 chars =
                                                                         202 Pixels
Hor Sync Start
                    = 12.802;
                                      // (usec)
                                                 =
                                                      2074 chars =
                                                                       2074 Pixels
// H Right Border
                    = 0.000:
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
                                                 =
// H Front Porch
                    = 0.160:
                                      // (usec)
                                                         26
                                                            chars =
                                                                          26 Pixels
                                                 =
Hor Sync Time
                    = 0.494;
                                      // (usec)
                                                         80
                                                             chars =
                                                                          80 Pixels
                                                 =
// H Back Porch
                    = 0.593;
                                      // (usec)
                                                         96 chars =
                                                                          96 Pixels
                                                 =
// H Left Border
                    = 0.000;
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
Ver Total Time
                    = 16.667:
                                                       1200 lines
                                                                      HT - (1.06xHA)
                                      // (msec)
Ver Addr Time
                    = 16.000;
                                      // (msec)
                                                      1152 lines
                                                                           = 0.49
Ver Blank Start
                                                      1152 lines
                    = 16.000;
                                      // (msec)
                                                 =
Ver Blank Time
                    = 0.667:
                                      // (msec)
                                                 =
                                                         48 lines
                                      // (msec)
                                                       1153 lines
Ver Sync Start
                    = 16.014;
                                                 =
// V Bottom Border
                    = 0.000:
                                      // (msec)
                                                 =
                                                          0 lines
// V Front Porch
                    = 0.014;
                                      // (msec)
                                                          1 lines
                                                 =
Ver Sync Time
                    = 0.042;
                                      // (msec)
                                                          3 lines
                                                 =
// V Back Porch
                    = 0.611;
                                      // (msec)
                                                 =
                                                         44 lines
// V Top Border
                    = 0.000;
                                      // (msec)
                                                          0 lines
```

Adopted: 5/1/07

Resolution: 2560 x 1600 at 60 Hz (non-interlaced) REDUCED BLANKING

EDID ID: DMT ID: 4Ch; STD 2 Byte Code: n/a; CVT 3 Byte Code: (1F, 38, 21)h

Method: CVT Compliant

Detailed Timing Parameters

```
Timing Name
                    = 2560 x 1600 @ 60Hz CVT (Reduced Blanking);
                    = 2560:
Hor Pixels
                                      // Pixels
Ver Pixels
                                      // Lines
                    = 1600;
                    = 98.713:
                                      // kHz
Hor Frequency
                                                       10.1 usec
                                                                    / line
                                                 =
                                                       16.7 msec
Ver Frequency
                    = 59.972;
                                      // Hz
                                                                   / frame
                                                                      \pm 0.5\%
Pixel Clock
                    = 268.500;
                                      // MHz
                                                        3.7 nsec
                                                 =
Character Width
                    = 8;
                                      // Pixels
                                                 =
                                                       29.8 nsec
Scan Type
                    = NONINTERLACED;
                                                        // H Phase =
                                                                         0.6 %
Hor Sync Polarity
                                      // HBlank =
                                                      5.9% of HTotal
                    = POSITIVE;
Ver Sync Polarity
                    = NEGATIVE: // VBlank =
                                                      2.8% of VTotal
Hor Total Time
                    = 10.130;
                                      // (usec)
                                                        340 chars =
                                                                       2720 Pixels
Hor Addr Time
                    = 9.534;
                                      // (usec)
                                                        320 \text{ chars} =
                                                                       2560 Pixels
Hor Blank Start
                    = 9.534;
                                      // (usec)
                                                        320 \text{ chars} =
                                                                       2560 Pixels
                                                 =
Hor Blank Time
                    = 0.596;
                                      // (usec)
                                                         20 \text{ chars} =
                                                                         160 Pixels
                                                 =
Hor Sync Start
                    = 9.713:
                                      // (usec)
                                                            chars =
                                                                       2608 Pixels
                                                        326
// H Right Border
                    = 0.000:
                                                          0 chars =
                                      // (usec)
                                                                           0 Pixels
// H Front Porch
                    = 0.179:
                                      // (usec)
                                                            chars =
                                                                          48 Pixels
                                                          6
Hor Svnc Time
                    = 0.119:
                                      // (usec)
                                                          4
                                                            chars =
                                                                          32 Pixels
                                                                          80 Pixels
// H Back Porch
                    = 0.298;
                                      // (usec)
                                                 =
                                                         10 chars =
// H Left Border
                    = 0.000;
                                      // (usec)
                                                          0
                                                            chars =
                                                                           0 Pixels
Ver Total Time
                    = 16.675:
                                      // (msec)
                                                      1646 lines
                                                                      HT - (1.06xHA)
                                                 =
Ver Addr Time
                    = 16.209;
                                      // (msec)
                                                      1600 lines
                                                                           = 0.02
                                                 =
Ver Blank Start
                    = 16.209;
                                      // (msec)
                                                      1600 lines
                                                 =
Ver Blank Time
                                                         46 lines
                    = 0.466;
                                      // (msec)
                                                 =
Ver Sync Start
                    = 16.239;
                                      // (msec)
                                                 =
                                                      1603 lines
// V Bottom Border
                    = 0.000:
                                                          0 lines
                                      // (msec)
                                                 =
// V Front Porch
                    = 0.030;
                                      // (msec)
                                                          3 lines
                                                 =
Ver Svnc Time
                    = 0.061:
                                      // (msec)
                                                 =
                                                          6 lines
// V Back Porch
                    = 0.375:
                                      // (msec)
                                                         37 lines
                                                 =
// V Top Border
                    = 0.000:
                                      // (msec)
                                                          0 lines
```

Adopted: 5/1/07

Resolution: 2560 x 1600 at 60 Hz (non-interlaced)

EDID ID: DMT ID: 4Dh; STD 2 Byte Code: n/a; CVT 3 Byte Code: (1F, 38, 28)h

Method: CVT Compliant

Detailed Timing Parameters

```
Timing Name
                    = 2560 x 1600 @ 60Hz;
                    = 2560:
Hor Pixels
                                      // Pixels
Ver Pixels
                                      // Lines
                    = 1600;
                    = 99.458;
                                      // kHz
                                                                    / line
Hor Frequency
                                                       10.1 usec
Ver Frequency
                                                       16.7 msec
                     = 59.987;
                                      // Hz
                                                                    / frame
                                                                      \pm 0.5\%
Pixel Clock
                     = 348.500;
                                      // MHz
                                                        2.9 nsec
                                                  =
Character Width
                                      // Pixels
                    = 8;
                                                  =
                                                       23.0 nsec
Scan Type
                     = NONINTERLACED;
                                                        // H Phase =
                                                                         4.0 %
Hor Sync Polarity
                                     // HBlank = 26.9% of HTotal
                    = NEGATIVE
Ver Sync Polarity
                                      // VBlank =
                                                       3.5% of VTotal
                     = POSITIVE:
Hor Total Time
                    = 10.055;
                                      // (usec)
                                                        438 chars =
                                                                        3504 Pixels
Hor Addr Time
                    = 7.346;
                                      // (usec)
                                                        320 \text{ chars} =
                                                                        2560 Pixels
Hor Blank Start
                    = 7.346;
                                      // (usec)
                                                        320 \text{ chars} =
                                                                        2560 Pixels
                                                  =
Hor Blank Time
                    = 2.709;
                                      // (usec)
                                                        118 chars =
                                                                         944 Pixels
                                                  =
Hor Sync Start
                     = 7.897;
                                      // (usec)
                                                        344
                                                             chars =
                                                                        2752 Pixels
// H Right Border
                    = 0.000:
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
// H Front Porch
                    = 0.551:
                                      // (usec)
                                                         24
                                                             chars =
                                                                         192 Pixels
Hor Svnc Time
                    = 0.803:
                                      // (usec)
                                                         35
                                                            chars =
                                                                         280 Pixels
                                                  =
                                                                         472 Pixels
// H Back Porch
                    = 1.354;
                                      // (usec)
                                                  =
                                                         59 chars =
// H Left Border
                     = 0.000;
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
Ver Total Time
                     = 16.670:
                                      // (msec)
                                                       1658 lines
                                                                      HT - (1.06xHA)
                                                  =
Ver Addr Time
                    = 16.087;
                                      // (msec)
                                                       1600 lines
                                                                           = 2.27
                                                  =
Ver Blank Start
                    = 16.087;
                                      // (msec)
                                                       1600 lines
                                                  =
Ver Blank Time
                                                         58 lines
                    = 0.583;
                                      // (msec)
                                                  =
Ver Sync Start
                    = 16.117;
                                      // (msec)
                                                  =
                                                       1603 lines
// V Bottom Border
                    = 0.000:
                                                          0 lines
                                      // (msec)
                                                  =
// V Front Porch
                     = 0.030;
                                      // (msec)
                                                          3 lines
                                                  =
Ver Svnc Time
                    = 0.060:
                                      // (msec)
                                                  =
                                                          6 lines
// V Back Porch
                    = 0.493:
                                      // (msec)
                                                         49 lines
                                                  =
// V Top Border
                    = 0.000:
                                      // (msec)
                                                          0 lines
```

Adopted: 5/1/07

Resolution: 2560 x 1600 at 75 Hz (non-interlaced)

EDID ID: DMT ID: 4Eh; STD 2 Byte Code: n/a; CVT 3 Byte Code: (1F, 38, 44)h

Method: CVT Compliant

Detailed Timing Parameters

```
Timing Name
                    = 2560 x 1600 @ 75Hz;
                    = 2560:
Hor Pixels
                                      // Pixels
Ver Pixels
                                      // Lines
                    = 1600;
                                                                    / line
                    = 125.354:
                                      // kHz
Hor Frequency
                                                        8.0 usec
                                                 =
Ver Frequency
                    = 74.972;
                                      // Hz
                                                       13.3 msec
                                                                   / frame
                                                                      \pm 0.5\%
Pixel Clock
                    = 443.250;
                                      // MHz
                                                        2.3 nsec
                                                 =
Character Width
                    = 8;
                                      // Pixels
                                                 =
                                                       18.0 nsec
Scan Type
                    = NONINTERLACED;
                                                        // H Phase =
                                                                         4.0 %
Hor Sync Polarity
                                     // HBlank = 27.6% of HTotal
                    = NEGATIVE
Ver Sync Polarity
                                      // VBlank =
                                                      4.3% of VTotal
                    = POSITIVE:
Hor Total Time
                    = 7.977;
                                                        442 chars =
                                      // (usec)
                                                                       3536 Pixels
Hor Addr Time
                                                        320 \text{ chars} =
                    = 5.776;
                                      // (usec)
                                                                       2560 Pixels
Hor Blank Start
                    = 5.776;
                                      // (usec)
                                                        320 \text{ chars} =
                                                                       2560 Pixels
                                                 =
Hor Blank Time
                    = 2.202;
                                      // (usec)
                                                        122 chars =
                                                                         976 Pixels
                                                 =
Hor Sync Start
                    = 6.245;
                                      // (usec)
                                                        346
                                                             chars =
                                                                       2768 Pixels
// H Right Border
                    = 0.000:
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
// H Front Porch
                    = 0.469:
                                      // (usec)
                                                         26 chars =
                                                                         208 Pixels
                                                 =
Hor Svnc Time
                    = 0.632:
                                      // (usec)
                                                         35
                                                            chars =
                                                                         280 Pixels
                                                 =
// H Back Porch
                                                                         488 Pixels
                    = 1.101;
                                      // (usec)
                                                 =
                                                         61 chars =
// H Left Border
                    = 0.000;
                                      // (usec)
                                                          0
                                                            chars =
                                                                           0 Pixels
Ver Total Time
                    = 13.338:
                                      // (msec)
                                                       1672 lines
                                                                      HT - (1.06xHA)
                                                 =
Ver Addr Time
                    = 12.764;
                                      // (msec)
                                                       1600 lines
                                                                           = 1.86
                                                 =
Ver Blank Start
                    = 12.764;
                                      // (msec)
                                                       1600 lines
                                                 =
Ver Blank Time
                    = 0.574;
                                                         72 lines
                                      // (msec)
                                                 =
Ver Sync Start
                    = 12.788;
                                      // (msec)
                                                 =
                                                       1603 lines
// V Bottom Border
                    = 0.000:
                                                          0 lines
                                      // (msec)
                                                 =
// V Front Porch
                    = 0.024;
                                      // (msec)
                                                          3 lines
                                                 =
Ver Svnc Time
                    = 0.048:
                                      // (msec)
                                                 =
                                                          6 lines
// V Back Porch
                    = 0.503:
                                      // (msec)
                                                         63 lines
                                                 =
// V Top Border
                    = 0.000:
                                      // (msec)
                                                          0 lines
```

Adopted: 5/1/07

Resolution: 2560 x 1600 at 85 Hz (non-interlaced)

EDID ID: DMT ID: 4Fh; STD 2 Byte Code: n/a; CVT 3 Byte Code: (1F, 38, 62)h

Method: CVT Compliant

Detailed Timing Parameters

```
Timing Name
                    = 2560 x 1600 @ 85Hz;
                    = 2560:
Hor Pixels
                                      // Pixels
Ver Pixels
                                      // Lines
                    = 1600;
                                                                    / line
                    = 142.887:
                                      // kHz
                                                        7.0 usec
Hor Frequency
                                                 =
Ver Frequency
                    = 84.951:
                                      // Hz
                                                       11.8 msec
                                                                   / frame
                                                                      \pm 0.5\%
Pixel Clock
                    = 505.250;
                                      // MHz
                                                        2.0 nsec
                                                 =
Character Width
                    = 8;
                                      // Pixels
                                                 =
                                                       15.8 nsec
Scan Type
                    = NONINTERLACED;
                                                        // H Phase =
                                                                         4.0 %
Hor Sync Polarity
                                     // HBlank = 27.6% of HTotal
                    = NEGATIVE
Ver Sync Polarity
                                      // VBlank =
                                                      4.9% of VTotal
                    = POSITIVE:
Hor Total Time
                    = 6.999:
                                                        442 chars =
                                      // (usec)
                                                                       3536 Pixels
Hor Addr Time
                                                        320 \text{ chars} =
                    = 5.067;
                                      // (usec)
                                                                       2560 Pixels
Hor Blank Start
                    = 5.067:
                                      // (usec)
                                                        320 \text{ chars} =
                                                                       2560 Pixels
                                                 =
Hor Blank Time
                    = 1.932;
                                      // (usec)
                                                        122 chars =
                                                                         976 Pixels
                                                 =
Hor Sync Start
                    = 5.478;
                                      // (usec)
                                                        346
                                                            chars =
                                                                       2768 Pixels
// H Right Border
                    = 0.000:
                                      // (usec)
                                                          \mathbf{0} chars =
                                                                           0 Pixels
// H Front Porch
                    = 0.412:
                                      // (usec)
                                                         26 chars =
                                                                         208 Pixels
                                                 =
Hor Svnc Time
                    = 0.554:
                                                         35
                                                            chars =
                                                                         280 Pixels
                                      // (usec)
                                                 =
// H Back Porch
                    = 0.966;
                                                                         488 Pixels
                                      // (usec)
                                                 =
                                                         61 chars =
// H Left Border
                    = 0.000;
                                      // (usec)
                                                 =
                                                          0
                                                            chars =
                                                                           0 Pixels
Ver Total Time
                    = 11.772;
                                      // (msec)
                                                      1682 lines
                                                                      HT - (1.06xHA)
                                                 =
Ver Addr Time
                    = 11.198;
                                      // (msec)
                                                      1600 lines
                                                                           = 1.63
                                                 =
Ver Blank Start
                    = 11.198;
                                      // (msec)
                                                      1600 lines
                                                 =
Ver Blank Time
                    = 0.574;
                                      // (msec)
                                                 =
                                                         82 lines
Ver Sync Start
                    = 11.219;
                                      // (msec)
                                                 =
                                                      1603 lines
// V Bottom Border
                    = 0.000:
                                                          0 lines
                                      // (msec)
                                                 =
// V Front Porch
                    = 0.021;
                                      // (msec)
                                                          3 lines
                                                 =
Ver Svnc Time
                    = 0.042:
                                      // (msec)
                                                 =
                                                          6 lines
// V Back Porch
                    = 0.511:
                                      // (msec)
                                                         73 lines
                                                 =
// V Top Border
                    = 0.000:
                                      // (msec)
                                                          0 lines
```

Adopted: 5/1/07

Resolution: 2560 x 1600 at 120 Hz (non-interlaced) REDUCED BLANKING DMT ID: 50h; STD 2 Byte Code: n/a; CVT 3 Byte Code: n/a

Method: Generated using CVT (Reduced Blanking) Formula

Detailed Timing Parameters

```
Timing Name
                        2560 x 1600 @ 120Hz CVT (Reduced Blanking);
                     = 2560:
Hor Pixels
                                       // Pixels
                                       // Lines
Ver Pixels
                     = 1600;
Hor Frequency
                     = 203.217:
                                       // kHz
                                                           4.9 usec
                                                                       / line
Ver Frequency
                     = 119.963;
                                                           8.3 msec
                                                                      / frame
                                       // Hz
                                                   =
Pixel Clock
                     = 552.750:
                                       // MHz
                                                   =
                                                           1.8 nsec
                                                                         \pm 0.5\%
Character Width
                     = 8;
                                       // Pixels
                                                    =
                                                         14.5 nsec
                     = NONINTERLACED;
                                                           // H Phase =
Scan Type
                                                                            0.6 %
Hor Sync Polarity
                     = POSITIVE;
                                       // HBlank =
                                                        5.9% of HTotal
Ver Sync Polarity
                     = NEGATIVE
                                       // VBlank
                                                        5.5% of VTotal
                     = 4.921:
Hor Total Time
                                       // (usec)
                                                          340 \text{ chars} =
                                                                          2720 Pixels
Hor Addr Time
                     = 4.631:
                                                                          2560 Pixels
                                       // (usec)
                                                          320 \text{ chars} =
Hor Blank Start
                     = 4.631:
                                       // (usec)
                                                          320 chars =
                                                                          2560 Pixels
Hor Blank Time
                     = 0.289;
                                       // (usec)
                                                           20 \text{ chars} =
                                                                            160 Pixels
Hor Sync Start
                     = 4.718;
                                       // (usec)
                                                   =
                                                          326 \text{ chars} =
                                                                          2608 Pixels
// H Right Border
                     = 0.000;
                                       // (usec)
                                                   =
                                                            \mathbf{0} chars =
                                                                              0 Pixels
// H Front Porch
                     = 0.087;
                                       // (usec)
                                                            6 \text{ chars} =
                                                                             48 Pixels
                                                   =
Hor Sync Time
                     = 0.058:
                                       // (usec)
                                                               chars =
                                                                             32 Pixels
// H Back Porch
                     = 0.145:
                                       // (usec)
                                                           10 \text{ chars} =
                                                                             80 Pixels
                                                   =
// H Left Border
                     = 0.000:
                                       // (usec)
                                                   =
                                                            \mathbf{0} chars =
                                                                              0 Pixels
Ver Total Time
                     = 8.336:
                                       // (msec)
                                                         1694 lines
                                                                         HT - (1.06xHA)
Ver Addr Time
                     = 7.873;
                                       // (msec)
                                                         1600 lines
                                                                              = 0.01
Ver Blank Start
                                                         1600 lines
                     = 7.873:
                                       // (msec)
Ver Blank Time
                     = 0.463;
                                       // (msec)
                                                           94 lines
                                                   =
Ver Sync Start
                     = 7.888;
                                       // (msec)
                                                         1603 lines
// V Bottom Border
                                       // (msec)
                     = 0.000:
                                                   =
                                                            0 lines
// V Front Porch
                     = 0.015;
                                       // (msec)
                                                   =
                                                            3 lines
Ver Sync Time
                     = 0.030;
                                                            6 lines
                                       // (msec)
                                                   =
// V Back Porch
                     = 0.418;
                                       // (msec)
                                                           85 lines
                                                   =
// V Top Border
                                                            0 lines
                     = 0.000:
                                        // (msec)
```

Definition of Terms: Refer to section 3.2.

End of the DMT Standard