

Service Manual



Model #: VIZIO P50HDM

V, Inc

320A Kalmus Drive Costa Mesa, CA 92626

TEL : +714-668-0588 FAX :+714-668-9099

-TOP Confidential -

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FCC INFORMATION

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause unacceptable interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures -- reorient or relocate the receiving antenna; increase the separation between equipment and receiver; or connect the into an outlet on a circuit different from that to which the receiver is connected.

FCC WARNING

To assure continued FCC compliance, the user must use a grounded power supply cord and the provided shielded video interface cable with bonded ferrite cores. Also, any unauthorized changes or modifications to Amtrak products will void the user's authority to operate this device. Thus **VINC** Will not be held responsible for the product and its safety.

CE CERTIFICATION

This device complies with the requirements of the EEC directive 89/336/EEC with regard to "Electromagnetic compatibility."

SAFETY CAUTION

Use a power cable that is properly grounded. Always use the AC cords as follows – USA (UL); Canada (CSA); Germany (VDE); Switzerland (SEV); Britain (BASEC/BS); Japan (Electric Appliance Control Act); or an AC cord that meets the local safety standards.

Chapter 1 Features

- Wall-mountable
- New WIDE HD Plasma Panel:1366 x 768 (H x V)
- TruSurround XT sound system and DCDi by Faroujia video image
- High definition digital interface – HDMI
- HDCP supportive
- Multiple-screen display (picture-on-picture/picture-in-picture)
- Selectable picture mode
- 4-language On Screen Display
- 2 S-video and Composite video inputs
- 2 Component video inputs
- 2 HDMI inputs
- 6 audio stereos, 1 PC Mini-Jack
- Supporting DVI converted to HDMI
- Closed caption
- Gloss front bezel
- The thinnest model of this size: 99 mm

Chapter 2 Specification

1. OPTICAL CHARACTERISTICS

Item	Specification
Display Pixels	1366 (H) x 768 (V) pixels
Pixel Pitch	0.810 mm (H) X 0.810mm (V)
Pixel Type	Non-stripe
Color Depth	1,024 (R) x 1,024 (G) x 1,024 (B) colors
Active Display Area	1106.5 mm (H) x 622.1 mm(V)
Brightness (panel spec)	1000 cd/m2 (Typical)
(w/glass filter)	Min.300 cd/m
Contrast ratio (panel spec)	8000:1 (Typical, dark room)
Color Coordinates (typical)	
White (Panel spec)	x=0.300±0.02, y=0.300±0.02
White (w/glass filter)	Warm (5400K)
	Standard (6500K)
	Cool (9300K):

2. INPUT SOURCE

RGB Signal : H: support to 30-80KHz
V: support to 60-85Hz
Pixel Clock: support to 108MHz

HDMI Signal : H: 15.734KHz V: 60Hz (480i)
H: 31KHz V: 60Hz (480p)
H: 45KHz V: 60Hz (720p)
H: 33KHz V: 60Hz (1080i)

S-Video : Video (Y): Analog 0.1Vp-p/75Ω
Video (C): Analog 0.286p-p/75Ω

Composite Video signal: H: 15.734KHz V: 60Hz (NTSC)

Component signal: YPbPr/YCbCr

H: 15.734KHz V: 60Hz (NTSC-480i)

H: 31KHz V: 60Hz(NTSC-480p)

H: 45KHz V: 60Hz(NTSC-720p)

H: 33KHz V: 60Hz(NTSC-1080i)

3. INPUT CONNECTORS

Input Label	Connector Type	Input Label	Connector Type
SERVICE	RJ-11 x 1	ANALOG HD1	YPb/Cb Pr/Cr RCA Jack x 3 Audio RCA Jack x 2
DIGITAL HD1	19 pin HDMI x 1 Audio RCA Jack x 2	ANALOG HD2	YPb/Cb Pr/Cr RCA Jackx 3 Audio RCA Jack x 2
DIGITAL HD2	19 pin HDMI x 1 Audio RCA Jack x 2	AV1	RCA Jack (CVBS) x 3 S-video 4 pin mini DIN x 1
RGB	D-sub 15 pin x 1 Mini Jack x 1 (Audio input)	AV2	RCA Jack (CVBS) x 3 S-video 4 pin mini DIN x 1

4. OUTPUT CONNECTORS

- a. Audio RCA Jack x 2
- b. 3.5mm Mini-jack earphone x 1

5. POWER SUPPLY

Consumption: 550W MAXPower OFF: less than 3W

6. SPEAKER

Output 8Ω/10W (max) X2

7. ENVIRONMENT

Operating

- a. Temperature: 0~40°C
- b. Relative humidity: 20%~80% RH
- c. Altitude: 0~6,560 ft

Non-operating

- a. Temperature: -20~60°C
- b. Relative humidity: 10%~90% RH
- c. Altitude: 0~9,840 ft

8. DIMENSIONS

- a. Height: 871 mm
- b. Width: 1241mm
- c. Depth: 310 mm (with standard), 99 mm (without standard)

9. WEIGHT

- a. Net: 55.2 +/- 0.5 kgs
- b. Gross: 65.2 +/- 0.5 kgs

Chapter 3 On Screen Display

Main unit button

POWER

MENU



VOL-/◀

VOL+/▶

INPUT

OSD Adjustment

Mode				
Image Settings				
VIDEO	Picture Mode(User, Vivid, Movie, Game, Sport)			
	Brightness(0~100)			
	Contrast(0~100)			
VIDEO	Saturation(0~100)			
VIDEO	Hue(-50~50)			
VIDEO	Sharpness(0~24)			
	Advanced			
VIDEO		Noise Reduction		
VIDEO			Motion(0~16)	
VIDEO			Digital(0~64)	
VIDEO		Fleshtone	Off, High, Moderate, Low	
VIDEO		Dynamic Contrast (0, 1, 2, 3)		
PC		Auto Adjustment		
PC		Image Position		
PC		Phase		
PC		Clocks / Line		
PC		Color Temp		
PC			Warm(5400K)	

PC			Standard(6500K)	
PC			Cool(9300K)	
PC			User	
PC				Red(0~100)
PC				Green(0~100)
PC				Blue(0~100)
Display Settings				
VIDEO	Aspect Ratio	Wide, Normal, Zoom, Panoramic*		
PC	Aspect Ratio	Wide, Normal		
	PIP			
		PIP Mode	Off, Large PIP, Small PIP, POP	
		PIP Position	Top-Left, Top-Right, Bottom-Left, Bottom-Right	
		PIP Input**		
Audio Settings				
	Bass(0~20)			
	Treble(0~20)			
	Balance(-10~10)			
	SRS TS XT(Off, On)			
	Auto Volume(On, Off)			
	Speakers(On, Off)			
	Audio Out***	Fixed Volume, Variable Volume		
Parental Controls				
VIDEO	Password			
VIDEO		Settings		
VIDEO			TV Rating	

VIDEO				TV Youth (Unblocked, Blocked)
VIDEO				TV Youth 7 (Unblocked, Blocked)
VIDEO				TV G (Unblocked, Blocked)
VIDEO				TV PG (Unblocked, Blocked)
VIDEO				TV 14 (Unblocked, Blocked)
VIDEO				TV MA (Unblocked, Blocked)
VIDEO				Unblocked
VIDEO			Movie Rating	
VIDEO				Movie G (Unblocked, Blocked)
VIDEO				Movie PG (Unblocked, Blocked)
VIDEO				Movie PG-13 (Unblocked, Blocked)
VIDEO				Movie R (Unblocked, Blocked)
VIDEO				Movie NC-17 (Unblocked, Blocked)
VIDEO				Movie X (Unblocked, Blocked)
VIDEO				Unblocked
			Block Unrated (No, Yes)	

VIDEO		Change Password		
VIDEO			Please enter new password	
VIDEO			Please re-enter new password	
VIDEO		Clear All (No, Yes)		
Setup				
	Closed Caption			
		Display	Off, CC1, CC2, CC3, CC4, TEXT1, TEXT2, TEXT3, TEXT4	
		Captions on mute (On, Off)		
	Language	English, Français, Español, Italiano		
	Factory Reset (Yes, No)			
	Image Cleaner			
	Firmware Version			

* HDMI and Component 720P/1080i inputs do not support Panoramic.

** See below for detailed information regarding the PiP sources.

Main \ Sub	AV1 (S-VIDEO)	AV2 (S-VIDEO)	AV1 (VIDEO)	AV2 (VIDEO)	Analog HD1	Analog HD2	Digital HD1	Digital HD2	RGB
AV1 (S-VIDEO)		X	X	X	X	X	X	X	X
AV2 (S-VIDEO)	X		X	X	X	X	X	X	X
AV1 (VIDEO)	X	X		X	X	X	X	X	X
AV2 (VIDEO)	X	X	X		X	X	X	X	X
Analog HD1	X		X			X	X	X	X
Analog HD2	X		X		X		X	X	X
Digital HD1	X		X		X	X		X	X
Digital HD2	X		X		X	X	X		X
RGB	X		X		X	X	X	X	

Remark :

(1) : “x” – Indicates which inputs are available for PIP and POP modes.

(2) : For AV1 and AV2, S-Video has priority. If a signal is connected to AV1 S-Video by itself or signals are connected to AV1 S-Video and AV1 Video simultaneously, then S-Video will be the only choice for AV1. If a signal is connected to AV1 Video only, then Video will be the only choice for AV1. The same input priority scheme applies to AV2.

*** When Speakers off

Chapter 4 Factory preset timings

This timing chart is already preset for this plasma monitor.

1. PC analog preset modes

Mode No.	Resolution	Refresh Rate (Hz)	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Horizontal Sync Polarity (TTL)	Vertical Sync Polarity (TTL)	Pixel Rate (MHz)	Remark
1	640x480	60	31.5	59.94	N	N	25.175	Windows
2	640x480	75	37.5	75.00	N	N	31.500	Windows
3	800x600	60	37.9	60.317	P	P	40.000	Windows
4	800x600	75	46.9	75	P	P	49.500	Windows
5	800x600	85	53.7	85.06	P	P	56.250	Windows
6	Ⓢ1024x768	60	48.4	60.01	N	N	65.000	Windows
7	1024x768	70	56.5	70.07	N	N	75.000	Windows
8	1024x768	75	60.0	75.03	P	P	78.750	Windows
9	1366X768	60	47.7	60.00	P	N	85.500	Windows
10	1280X1024	60	63.98	60.02	P	P	108.000	Windows

Remark : P : positive , N : negative Ⓢ1024x768 Ⓢ60 Hz: Primary

2. HD video digital preset modes at HDMI

Mode No.	Resolution
1	480i
2	480p
3	720p
4	1080i

3. HD digital preset modes at DVI

Through HDMI interface by an optional interface cable 2.3.3.1 video input.

3. 1 Video input

Mode No.	Resolution
1	480i
2	480p
3	720p
4	1080i

3.2 PC input

Mode No.	Resolution	Refresh Rate (Hz)	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Horizontal Sync Polarity (TTL)	Vertical Sync Polarity (TTL)	Pixel Rate (MHz)	Remark
1	640x480	60	31.5	59.94	N	N	25.175	Windows

Chapter 5 Pin Assignment

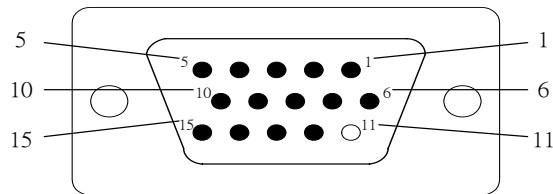
1.Input

There are analog and digital connectors as video input source in this model.

1.1 Analog

1.1.1 RGB Connector

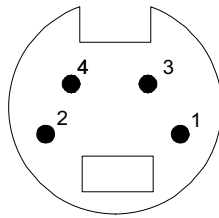
- a. Type: Analog
- b. Frequency: H: 30-80KHz V: 60-85Hz
- c. Signal level: 0.7Vp-p
- d. Impedance: 75Ω
- e. Synchronization H/V separate sync: TTL
H/V composite sync: Sync on Green TTL
- f. Video bandwidth: 135MHz
- g. Connector type: 15-pin D-Sub, female



Pin Number	Pin Assignment	Pin Number	Pin Assignment
1	Red video input	9	+5V
2	Green video input	10	Ground
3	Blue video input	11	No connection
4	Ground	12	(SDA)
5	Ground	13	Horizontal sync (Composite sync)
6	Red video ground	14	Vertical sync
7	Green video ground	15	(SCL)

- | | | | |
|--------------------|--------------|-------------|------------------------|
| a. Frequency: | H: 15.734KHz | V: 60Hz | (NTSC) |
| b. Signal level: | 1Vp-p | Sync (H+V): | 0.3V below Video (Y+C) |
| c. Impedance: | 75Ω | | |
| d. Connector type: | RCA jack | | |

1.1.3 S-Video Connector



1, 2 = GND
3 = Luminance (Y)
4 = Chrominance (C)

- | | | | |
|--------------------|----------------|--------------|--------|
| a. Frequency: | H: 15.734KHz | V: 60Hz | (NTSC) |
| b. Signal level: | Y: 1Vp-p | C: 0.286Vp-p | |
| c. Impedance: | 75Ω | | |
| d. Connector type: | 4-pin mini DIN | | |

1.1.4 Y-Cb/Pb-Cr/Pr Component video signal

- | | | | |
|--------------------|--------------|----------------------|----------------------|
| a. Frequency: | H: 15.734KHz | V: 60Hz | (NTSC-480i) |
| | H: 31KHz | V: 60Hz | (NTSC-480p) |
| | H: 45KHz | V: 60Hz | (NTSC-720p) |
| | H: 33KHz | V: 60Hz | (NTSC-1080i) |
| b. Signal level: | Y: 1Vp-p | Pb: ± 0.350 Vp-p | Pr: ± 0.350 Vp-p |
| c. Impedance: | 75 Ω | | |
| d. Connector type: | RCA jack | | |

1.1.5 PC audio in

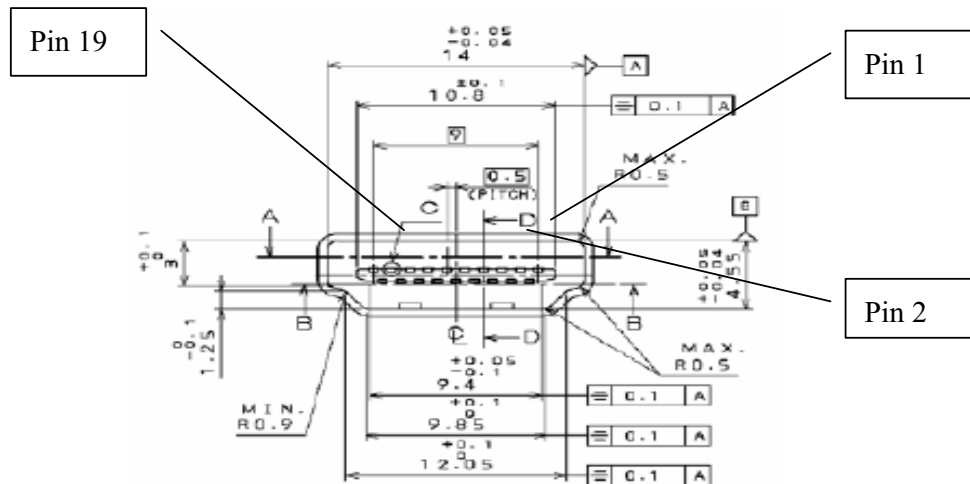
- a. Signal level: 1Vrms
b. Impedance: 47K Ω
c. Connector type: 3.5 ϕ mini jack

1.1.6 Video audio in

- a. Signal level: 0.7Vrms
b. Impedance: 47KΩ
c. Frequency Response: 250Hz-20KHz
d. Connector type: RCA L/R:

1.2 Digital - HDMI

- | | | |
|--------------------|----------------------|---------|
| a. Frequency: | H: 15.734KHz | V: 60Hz |
| | H: 31KHz | V: 60Hz |
| | H: 45KHz | V: 60Hz |
| | H: 33KHz | V: 60Hz |
| b. Polarity: | Positive or Negative | |
| c. Type: | Type A | |
| d. Pin Assignment: | Please see below | |



Pin	Signal Assignment	Pin	Signal Assignment
1	TMDS Data2+	2	TMDS Data2 Shield
3	TMDS Data2-	4	TMDS Data1+
5	TMDS Data1 Shield	6	TMDS Data1-
7	TMDS Data0+	8	TMDS Data0 Shield
9	TMDS Data0-	10	TMDS Clock+
11	TMDS Clock Shield	12	TMDS Clock-
13	CEC	14	Reserved (N.C. on device)
15	SCL	16	SDA
17	DDC/CEC Ground	18	+5V Power
19	Hot Plug Detect		

2. Output

2.1 Earphone

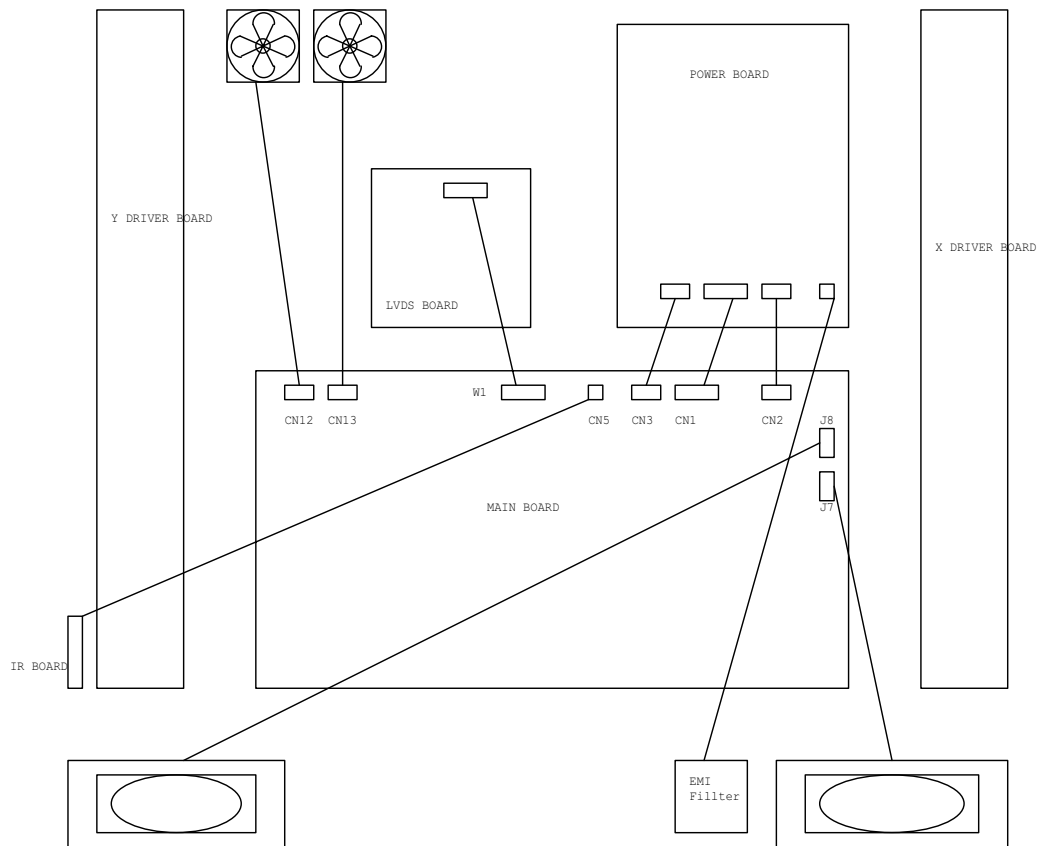
- a. Signal level: 1Vrms (max.)
- b. Impedance: 32Ω
- c. Output: 50 mW
- d. Connector type: Earphone mini jack

2.2 Audio output

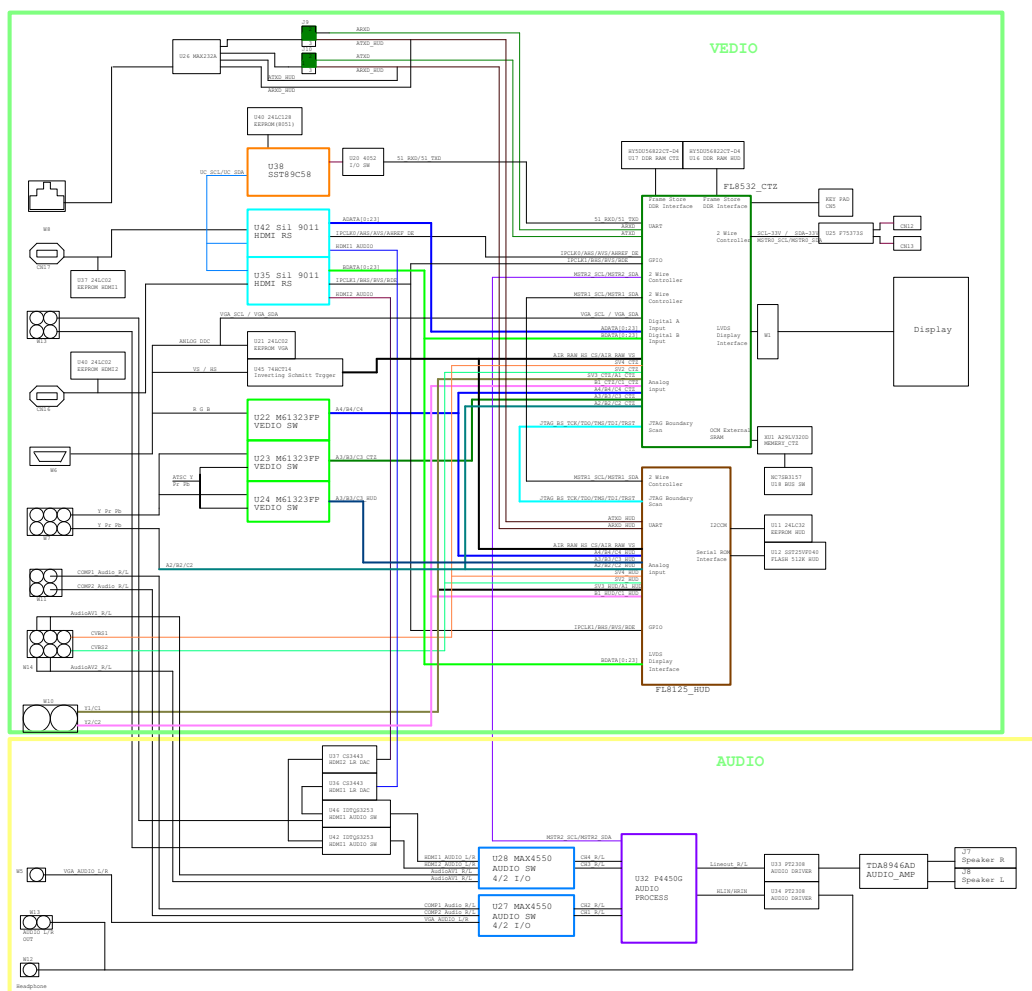
- a. Signal level: 0.7Vrms
- b. Impedance: 47KΩ
- c. Frequency Response: 250Hz-20KHz
- d. Connector type: RCA L/R:

Chapter 6 Block Diagram

System Block Diagram



Main board System Block Diagram



Chapter 7 Main Board Internal I/O Connections

CN1 "DC POWER INPUT"

PIN	Description
1	PDP_+5Vsc
2	PDP_+5Vsc
3	PDP_+5Vsc
4	GND
5	GND
6	GND
7	PDP_+12V
8	PDP_+12V
9	GND
10	GND
11	PDP_+12V_FAN
12	PDP_FGND

CN2 "DC POWER INPUT"

PIN	Description
1	PDP_Audio
2	PDP_Audio
3	GND
4	GND

CN3 "DC POWER INPUT/OUTPUT"

PIN	Description
1	GND
2	VS_ON
3	RLY_ON
4	PDP_+5Vsb

CN5 CONNECTION "KEYPAD"

PIN	Description
1	LED2_KEYPAD
2	KEY_VCC
3	IR
4	ADC_IN2
5	NC
6	GND
7	+3.3V_LBADC
8	ADC_IN1
9	LED1_KEYPAD_BUF
10	GND
P1	GND
P2	GND

CN6 CONNECTION "HDMI/ATSC_UP"

PIN	Description
1	+5V
2	51_TXD
3	51_RXD
4	GND

CN7 CONNECTION "ODC2BI"

PIN	Description
1	VGA_SCL_CTZ
2	VGA_SDA_CTZ
3	GND

CN12 FAN CONNECTION

PIN	Description
1	NC
2	FANIN1
3	+12V_FAN
4	FGND

CN13 FAN CONNECTION

PIN	Description
1	FANIN1
2	+12V_FAN
3	FGND

J7 CONNECTION "SPEAKER R"

PIN	Description
1	RL-
2	RL+
3	NC

J8 CONNECTION "SPEAKER L"

PIN	Description
1	LL-
2	LL+

W1 CONNECTION “LVDS”

PIN	Description	PIN	Description
1	GND	2	TXA3+
3	TXA3-	4	TXAC+
5	TXAC-	6	GND
7	TXA2+	8	TXA2-
9	TXA1+	10	TXA1-
11	TXA0+	12	TXA0-
13	GND	14	GND
15	+5V_SW	16	+5V_SW
17	+5V_SW	18	GND
19	GND	20	NC
21	NC	22	NC
23	NC	24	TXB3+
25	TXB3-	26	GND
27	VS_ON	28	SCL_33V
29	SDA_33V	30	NC
31	GND		

J3 SELECT KEY POWER

PIN	Description	Default
1-2	+3.3V_I/O	ON
2-3	+5V	OFF

“ON” ADD JUMPER , “OFF” NO JUMPER

J9 CONNECTION "PROGRAMUPDATA"

PIN	Description	Default
1-2	ARXD	ON
2-3	ARXD_HUD	OFF

"ON" ADD JUMPER , "OFF" NO JUMPER

J10 CONNECTION "PROGRAMUPDATA"

PIN	Description	Default
1-2	ATXD	ON
2-3	ATXD_HUD	OFF

"ON" ADD JUMPER , "OFF" NO JUMPER

Chapter 8 Theory of Circuit Operation

The operation of User Interface

The following diagram provides a brief overview of the user-interactive components of the firmware.

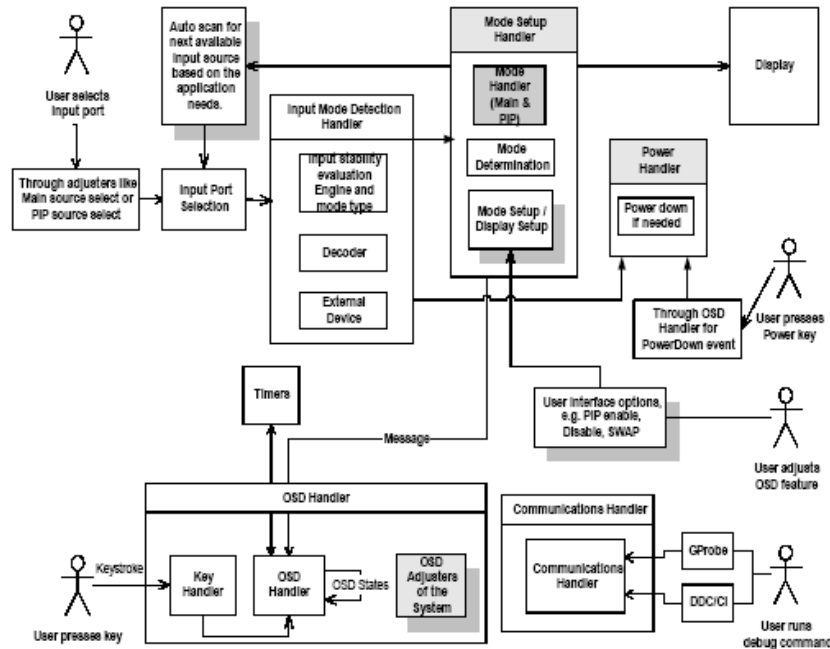


Figure 8-1 User Interface Block Diagram

The operation of keypad

There are 8 keys to control and select the function of SHD-3010 and also have two LED to indicate the status of operation. They are “Power, Source, MENU, ▼▲, + -” keys and LED.

- 1.The power key controls video processor FLI8532, FLI8532 will receive a low signal to turn on or off system while press the power key.
- 2.The other seven keys are on high state because the pull up resistor but will transit to low state dependent on which key pressed, and the state will be reader by FLI8532 through internal ADC to act corresponding function.
- 3.The LED is constructed with two color LED which color is Yellow and Green. The FLI8532 direct control the LED's when FLI8532 (VPCON) is low the LED is Yellow (Close power) when FLI8532 (VPCON) is high the LED is Green (Open power).

The operation of Video Processor FLI8532

The Genesis Microchip FLI8532 includes an integrated 3-D Digital Video Decoder with Faroudja DCDi Cinema™ video format conversion, video enhancement, and noise reduction.

The auto-detection and Faroudja DCDi Cinema™ technology allow the FLI8532 to detect, process, and enhance any video or PC graphic format. The FLI8532 supports many worldwide VBI standards for applications of Teletext, Closed Captioning, V-Chip, and other VBI technologies.

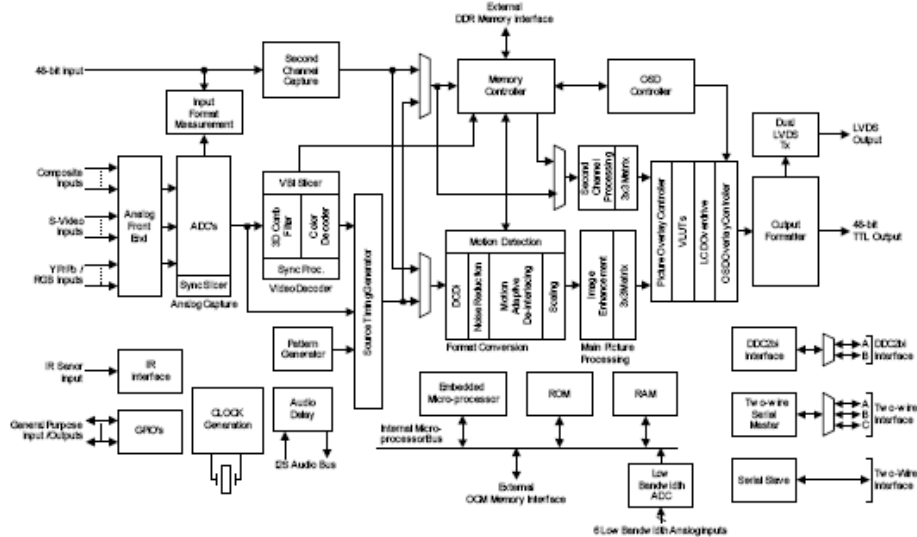


Figure 8-2 FLI8532 Block Diagram

Clock Generation:

The FLI8532 features six clock inputs. All additional clocks are internal clocks derived from one or more of these:

1. Crystal Input Clock (TCLK and XTAL). This is the input pair to an internal crystal oscillator and corresponding logic. A 19.6608 MHz TV crystal is recommended for best noise immunity with the 3D decoder. Alternatively, a single-ended TTL/CMOS clock oscillator can be driven into the TCLK pin (leave XTAL as N/C in this case). If an external crystal is being used, connect a 10K pull-up to OCMADDR_19. See Figure 9.
2. Digital Input Video/Graphics Clocks (IPCLK0, IPCLK1, IPCLK2 and IPCLK3)
3. Audio Delay Clock (AVS_CLK)

The FLI8532 TCLK oscillator circuitry is a custom designed circuit to support the use of an external oscillator or a crystal resonator to generate a reference frequency source for the FLI8532 device.

Analog Input Port (AFE):

The FLI8532 chip has a sophisticated Analog Front End with 16 reconfigurable inputs through an analog multiplexer to anti-alias filters before the Analog to Digital Converters (ADCs). These integrated features eliminate the need for any devices between the input connector and the pin of the FLI8532.

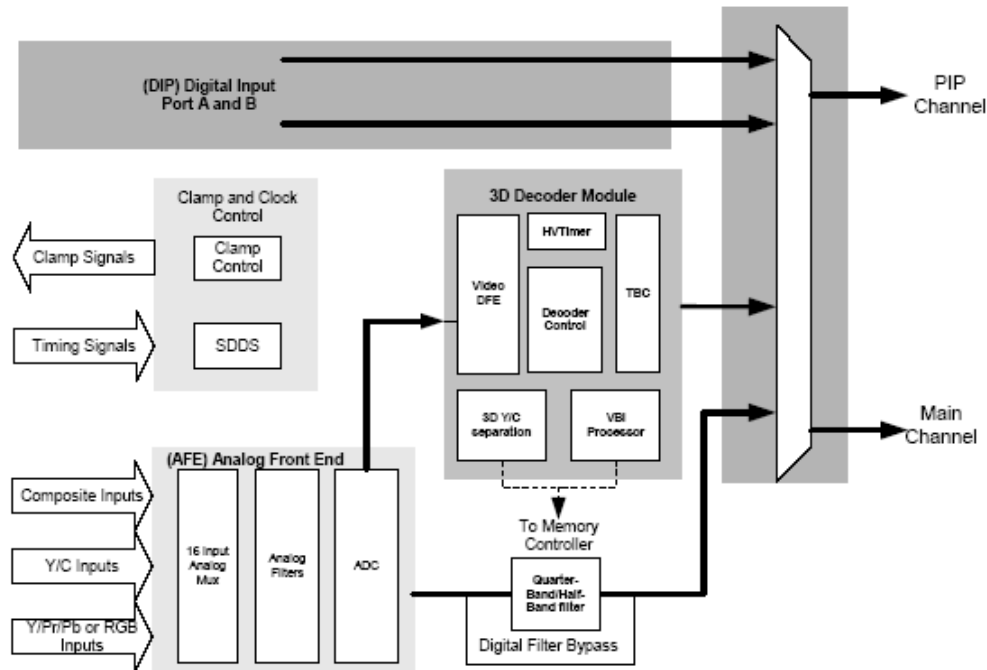


Figure 8-3 Analog Front End

The figure above depicts the data-path for the AFE and Decoder blocks with connections to the input multiplexer that selects whether the data follows the Main Video Channel or PIP video channel.

The analog front end of FLI8532 provides the capability to capture 16 analog video inputs which can be a combination of Composite (CVBS), S-Video (SY, SC), YPrPb (Y, Pr, Pb) or RGB (R,G, B).

Digital Input Port (DFE):

The Digital Input Port is a 48bit data input with flexible configuration to support a wide range of digital sources. It consists of two 24bit ports (PORTA and PORTB), two sets of control signals (VS, HS, ODD, etc.), and 4 input clocks. Up to 4 different inputs are supported as long as at least 2 of these inputs are 8bit CCIR656.

PORTA also includes optional signals (DIP_EXT_CLAMP, DIP_EXT_COAST, DIP_CLEAN_HS_OUT) for interfacing to external ADC/PLL devices. These signals are not present on PORTB. Bits 7 to 0 of PORTA can be configured as a bidirectional interface for media card applications. Inputs to the digital input port are TTL compatible with a maximum clock speed of 135MHz. Sync and clock polarity is programmable.

Due to pin sharing, PORTB is not available when using 48bit double wide TTL output to the panel.

The following digital video formats are supported by FLI8532 digital video graphic port:

- ITU-BT-656
- 8-bit 4:2:2 YCbCr or YPbPr
- 16-bit 4:2:2 YCbCr or YPbPr
- 24-bit 4:4:4 YCbCr or YPbPr
- 24-bit RGB

Digital Input Port Configuration:

The Digital Input Port offers flexible mapping of the input buses for PORTA and PORTB and allows individual Bus Flipping (MSB to LSB) for each group of 8bit inputs. The purpose of this flexible mapping is to ease the circuit board design when interfacing to other devices. This table below shows how the input DATA buses can be arbitrarily assigned through host registers.

		DIP_XX_BUS_SWAP					
Mode	Input Bus	"000"	"001"	"010"	"011"	"100"	"101"
24 bit RGB	DATA[7:0]	Green	Green	Blue	Blue	Red	Red
	DATA[15:8]	Blue	Red	Green	Red	Green	Blue
	DATA[23:16]	Red	Blue	Red	Green	Blue	Green
24 bit YUV	DATA[7:0]	Y	Y	U	U	V	V
	DATA[15:8]	U	V	Y	V	Y	U
	DATA[23:16]	V	U	V	Y	U	Y
16 bit YUV	DATA[7:0]	Y	Y	UV	UV		
	DATA[15:8]	UV		Y		Y	UV
	DATA[23:16]		UV		Y	UV	Y
8 bit YUV	DATA[7:0]					YUV	YUV
	DATA[15:8]		YUV		YUV		
	DATA[23:16]	YUV		YUV			

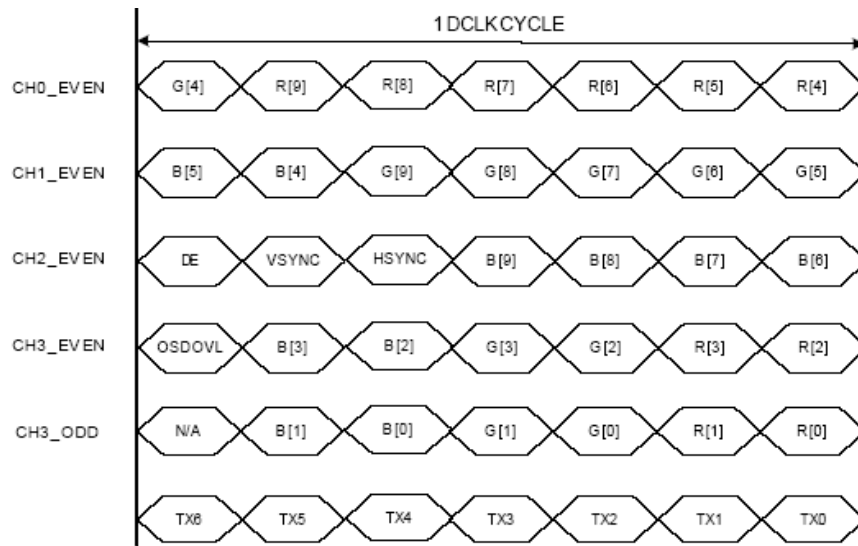
Figure 8-4 Digital Input DATA bus assignment

LVDS Transmitter:

Two LVDS channels (A and B) are available on the output of the FLI8532 to transmit data and timing information to the display device.

The following diagram shows the available LVDS mapping for 30-bit LVDS output which is applying to PDP panel spec:

30-bit LVDS Output Stream



To Configure for 30-bit LVDS with this data mapping:

LVDS_POWER (0x8726) = 0x3F

LVDS_DIGITAL_CTRL (0x8728) = 0bUU00UU00, where U is user options.

DISPLAY_CONTROL(0x862C)[11] = 1

For 30-bit LVDS, the following bus remappings are supported:

Swap LVDS serial stream (6:0) · (0:6) with register 0x8728[7]

Swap LVDS positive and negative differential outputs with register 0x8728[3]

Swap LVDS bus data CH0_EVEN C3_ODD and CH1_EVEN □ C3_EVEN with register 0x8728[2]

Note:

OSD OVL data bit is enabled with register 0x8500[9] with polarity controlled by 0x8500[10].

If 0x8500[9] = 0, then OSD OVL LVDS bit is clamped to 0.

On Chip Microcontroller:

The FLI8532 on-chip micro-controller (OCM) serves as the system micro-controller.

It programs the FLI8532 and manages other devices in the system such as the keypad and non-volatile RAM (NVRAM) using general-purpose input/output (GPIO) pins.

The OCM can address a 22-bit address space to utilize 4 MB external ROM

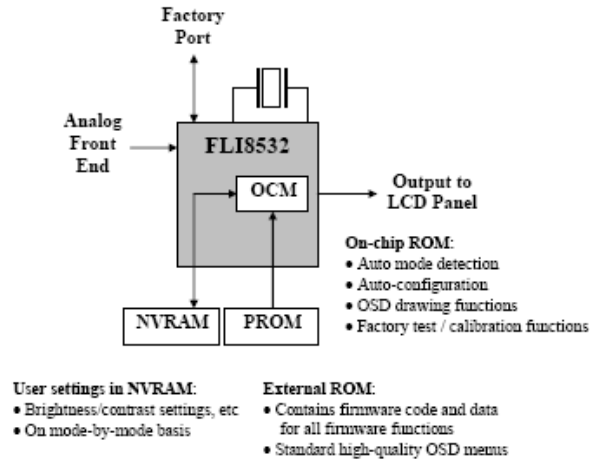


Figure 8-5 FLI8532 OCM block diagram

The OCM executes a firmware program running from external ROM, as well as driver-level (or Application Programming Interface – API) functions residing in internal ROM.

This is illustrated above. A parallel port with separate address and data busses is available for this purpose. This port connects directly to standard, commercially available ROM or programmable Flash ROM devices in either 8 or 16-bit configurations. External Flash-ROM memory requirements range from 512Kbytes to 4Mbytes depending on the application.

Both firmware and OSD content must be compiled into a HEX file and then loaded onto the external ROM. The OSD content is generated using Genesis Workbench. Genesis Workbench is a GUI based tool for defining OSD menus, navigation, and functionality.

FLI8532 I2C Master Serial Protocol :

The two-wire protocol consists of a serial clock MSTR_SCL and bi-directional serial data line MSTR_SDA. The FLI8532 acts as bus master and drives MSTR_SCL and either the master or slave can drive the MSTR_SDA line (open drain) depending on whether a read or write operation is being performed.

There are three isolated Master Serial busses, all driven by a common Master Serial Controller. These busses can be independently taken “off-line” or pulled up to different voltages without affecting the other busses.

The two-wire protocol requires each slave device to be addressable by a 7-bit identification number.

A two-wire data transfer consists of a stream of serially transmitted bytes formatted as shown in the figure below. A transfer is initiated (START) by a high-to-low transition on MSTR_SDA while MSTR_SCL is held high. A transfer is terminated by a STOP (a low-to-high transition on MSTR_SDA while MSTR_SCL is held high) or by a START (to begin another transfer).

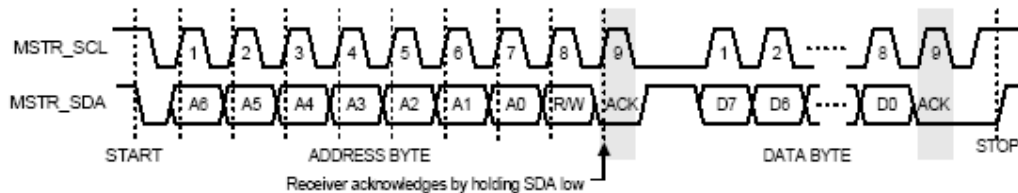


Figure 8-6 Two-Wire Protocol Data Transfer

Each transaction on the MSTR_SDA is in integer multiples of 8 bits (i.e. bytes).

The number of bytes that can be transmitted per transfer is unrestricted. Each byte is transmitted with the most significant bit (MSB) first. After the eight data bits, the master releases the MSTR_SDA line and the receiver asserts the MSTR_SDA line low to acknowledge receipt of the data.

The master device generates the MSTR_SCL pulse during the acknowledge cycle. The addressed receiver is obliged to acknowledge each byte that has been received.

The operation of Video Processor FLI8125

FLI8125 is another video processor designed by Genesis. In this product, we use FLI8125 to process most of PIP source input and then output digital video signal to FLI8532.

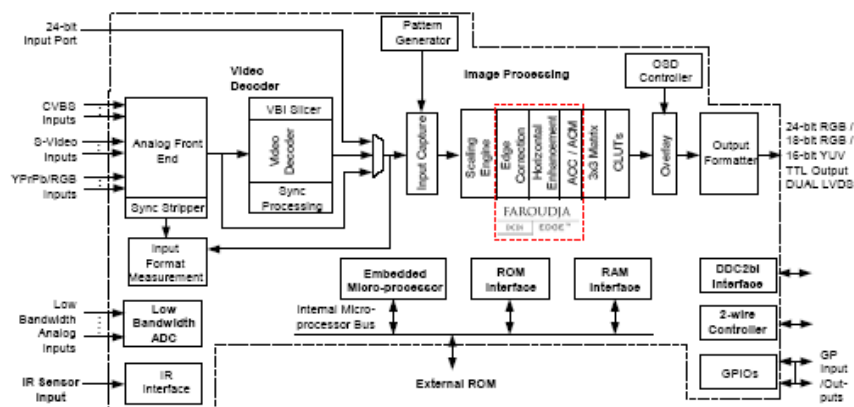


Figure 8-7 FLI8125 System Block Diagram

Clock Generation

The FLI8125 accepts the following input sources:

1. Crystal Input Clock (TCLK and XTAL). This is the input pair to an internal crystal oscillator and corresponding logic. Alternatively, a single ended TTL/CMOS clock input can be driven into the XTAL pin (leave TCLK as n/c in this case).
2. External Clocks on various GPIOs for test purposes
3. Host Interface Transfer Clock (SCL), I2C slave SCL for DDC2Bi and another SCL for Serial Inter-Processor Communication (SIPC)
4. Video Port VCLK
5. Second Video port clock. This is shared with ROM Address line 11. This is available only when parallel ROM interface is not used.

Clock Synthesis

Additional synthesized clocks using PLLs:

1. Main Timing Clock (T_CLK) is the output of the chip internal crystal oscillator. T_CLK is derived from the TCLK/XTAL pad input.
2. Reference Clock (R_CLK) synthesized by RCLK PLL using T_CLK or EXTCLK as the reference.
3. Input Source Clock (SCLK) synthesized by SDDS PLL using input HS as the reference. In case of analog composite video input this runs in open loop. The SDDS also uses the R_CLK to drive internal digital logic.
4. Display Clock (DCLK) synthesized by DDDS PLL using IP_CLK as the reference. The DDDS also uses the R_CLK to drive internal digital logic.
5. Fixed Frequency Clock (FCLK) synthesized by FDDS. Used as OCM_CLK domain driver.
6. Extended Clock (ECLK) synthesized by EDDS. Used by the decoder.
7. A fixed frequency clock created by LDDS (LCLK). Used by the expander in case of panoramic scaling.

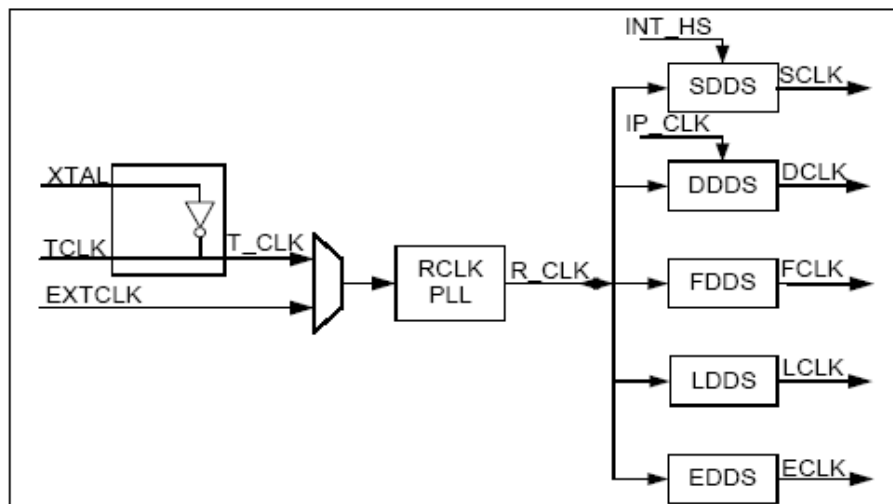


Figure 8-8 FLI8125 Internally Synthesized Clocks

Analog Front End

The Analog Front End is responsible for selecting and capturing the desired analog input video stream. Overall application cost is reduced by providing analog switching capabilities for 16 separate analog signals. These signals are re-configurable as different combinations of composite, S-Video, YPrPb and RGB video streams depending upon the end application.

The Analog Front End directs inputs through an analog multiplexer to anti-alias filters before the Analog to Digital Converters (ADCs). These integrated features eliminate the need for any devices between the input connector and the AFE pin connection.

The following figure depicts the data-path for the AFE and Decoder blocks with connections to the input multiplexer .

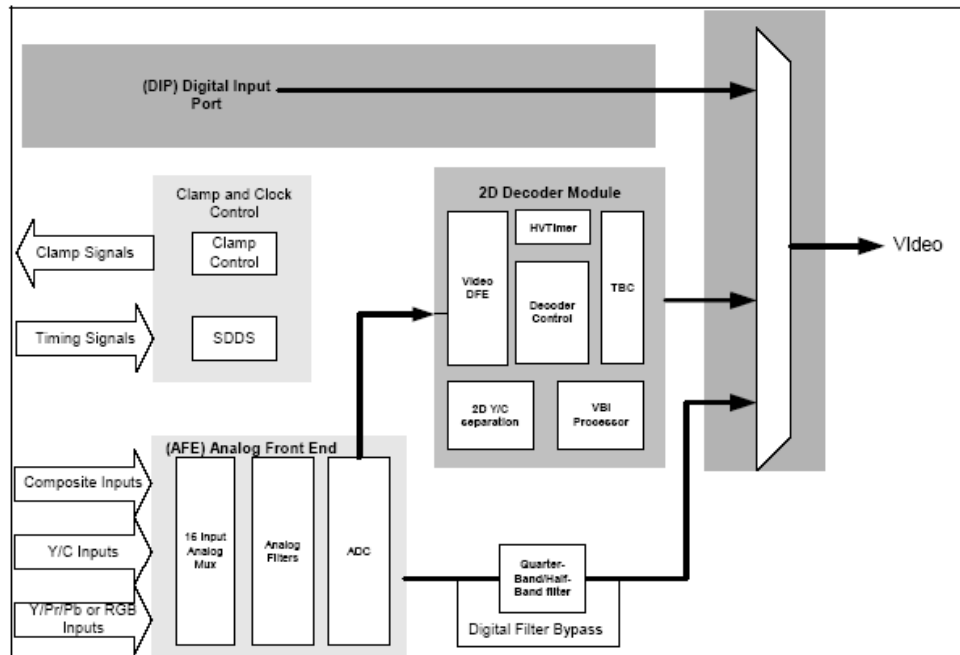


Figure 8-9 Analog Input Port

The Analog Front End provides the capability to capture 16 analog video inputs which can be a combination of Composite (CVBS), S-Video (SY, SC), YPrPb (Y, Pr, Pb) or RGB (R, G, B). The Analog Source Selectors are responsible for switching the desired analog inputs to the ADCs for digitization. There are two types of switching required: Channel Selection, Fast Blank Switching.

Digital Front End (Digital Processing after AFE)

The DFE consists of 3 channels that can support the following Fixed-position formats: Channels 1, 2 and 3 can be either R,G,B, or Y,U,V or 2 channels of Y and C or one channel of CVBS. The DFE performs Digital Clamp Loop Control for each channel, AGC Control, Color Conversion, Chroma Downscaling and 4fSC re-sampling. The Input to the DFE is 10 bit 40MHz Data. The Output is 4fsc Sampled CVBS, Y, C or YUV or just 10 bit CVBS.

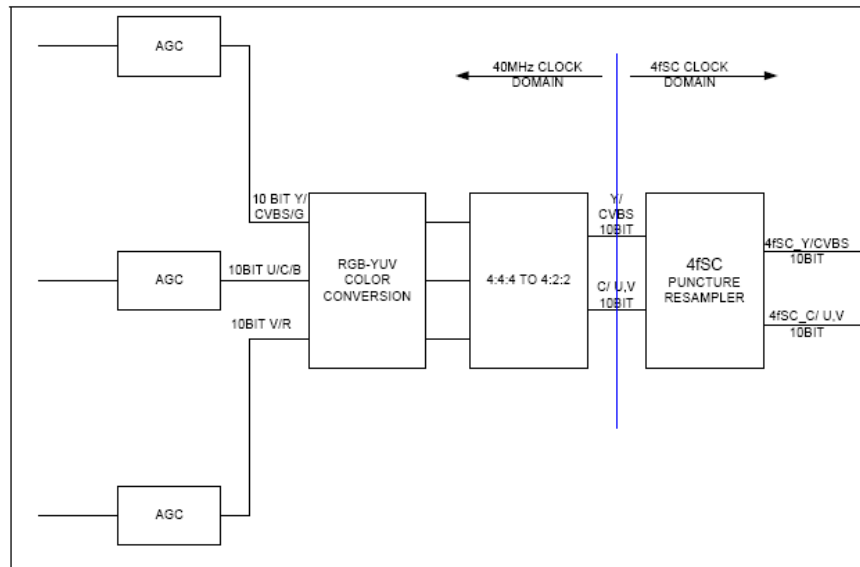


Figure 8-10 Digital Datapath

Digital Input Port

The Digital Input Port is 24-bit input bus that can be connected to external DVI receivers, video decoders, etc. and is able to accept either 8-bit CCIR656 data, 16-bit 4:2:2 YUV data or 24-bit RGB data.

For RGB input data, a selectable color space converter is used to transform RGB video input data from a DVI Rx to internal 16-bit 4:2:2 YUV. This allows the input data to be processed by the Horizontal Enhancement Module (HEM), ACC, and ACM in the image processing block. Other RGB input data streams, such as computer inputs, remain in the RGB space and are processed as such.

The 24-bit Digital Input Port provides control signals to simplify signal detection. CCIR656 data streams embed all timing markers, for the 24-bit and 16-bit inputs the following signals are provided:

- . CLK1 – Input pixel clock for 24-bit, 16-bit or CCIR656 inputs
- . HS/CSYNC – Horizontal sync or composite sync signal
- . VS/SOG – Vertical sync input or SOG input
- . DV/CLAMP – Data valid input indicator

NOTE: Unused pins of the Digital Input Port can be reprogrammed as GPIOs to increase the total number of GPIOs available.

Inputs to the digital input port are TTL compatible with a maximum clock speed of 135MHz. Sync and clock polarity is programmable.

Input Capture

The Input Capture block is responsible for extracting valid data from the input data stream and creating the required synchronization signals required by the data pipeline. This block also provides stable timing when no stable input timing exists.

The selected input data stream is cropped using a programmable input capture window. Only data within the programmable window is allowed through the data pipeline for subsequent processing. Data that lies outside of the window is ignored.

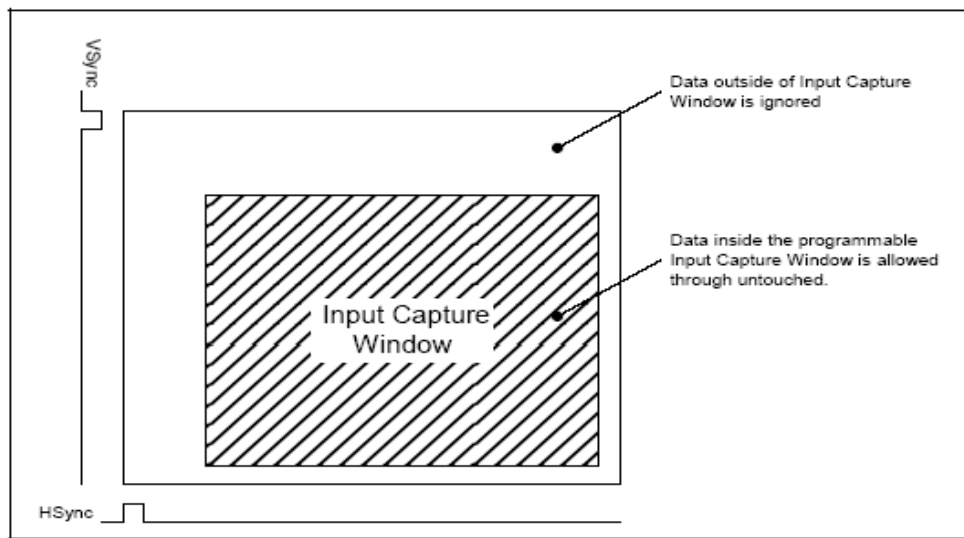


Figure 8-11 Input Capture Window

Input cropping is required in a video system since video signals are normally over scanned. For a flat panel TV, in order to over scan the image, a smaller portion of the input image needs to be selected and then expanded to fill the entire screen.

Input data streams originating from CCIR656 sources are cropped with reference to the start and end of active video flags encoded into the data stream. For all other inputs, the Input Capture Window is referenced with respect to Horizontal and Vertical Sync.

Image Processing

The following figure shows the various image processing blocks that operate on the captured video data stream. Each block is individually selectable and can be removed from the processing chain via a selectable bypass path. When a processing block is bypassed, it automatically enters a low power mode to help reduce overall power consumption.

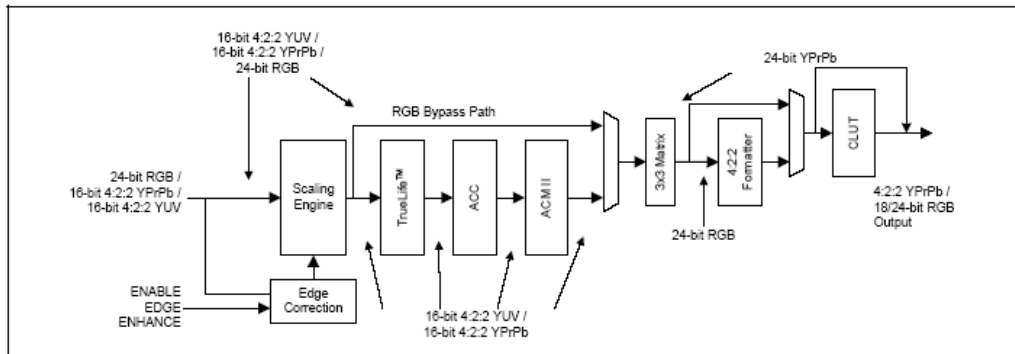


Figure 8-12 Image Processing Block Diagram

Faroudja DCDi Edge Processing

Faroudja DCDi Edge processing is used to reduced/eliminate objectionable stair stepping that occurs on interlaced diagonal lines. DCDi Edge processing is optimized for a memory architecture that is unified with the memory used for scaling. This block can process 24-bit RGB, 16-bit 4:2:2 YUV or 16-bit 4:2:2 YPrPb data streams.

Scaling Engine

The Scaling Engine accepts both 16-bit 4:2:2 YUV and 24-bit RGB inputs. It is capable of scaling the input by a factor of 0.05 to 5.0. A flexible tap structure is used so that the number of taps can be increased based on the number of pixels per line and whether the input is 4:2:2 YUV or 4:4:4 RGB. To reduce the amount of memory required for the vertical scaling process, horizontal shrink is performed prior to vertical scaling and horizontal expansion happens after vertical scaling. The maximum number of pixels per line supported by the vertical scalar is 1366.

Display Output Interface

The Display Output Port provides data and control signals that permit the connection to a variety of flat panel devices using a 24-bit TTL or LVDS interface. The output interface is configurable for single or dual wide LVDS in 18 or 24-bit RGB pixels format. All display data and timing signals are synchronous with the DCLK display clock. The integrated LVDS transmitter is programmable to allow the data and control signals to be mapped into any sequence depending on the specified receiver format. DC balanced operation is supported as described in the Open LDI standard. Output timing is fully programmable via the host interface register set enabling this device to be used as a display controller of a PIP processor for other Genesis Microchip devices.

The following display synchronization modes are supported:

- Frame Sync Mode: The display frame rate is synchronized to the input frame or field rate. This mode is used for standard operation.
- Free Run Mode: No synchronization. This mode is used when there is no valid input timing (i.e. to display OSD messages or a splash screen) or for testing purposes. In free-run mode, the display timing is determined only by the values programmed into the display window and timing registers.

Display Timing Programming

Horizontal values are programmed in single-pixel increments relative to the leading edge of the horizontal sync signal. Vertical values are programmed in line increments relative to the leading edge of the vertical sync signal.

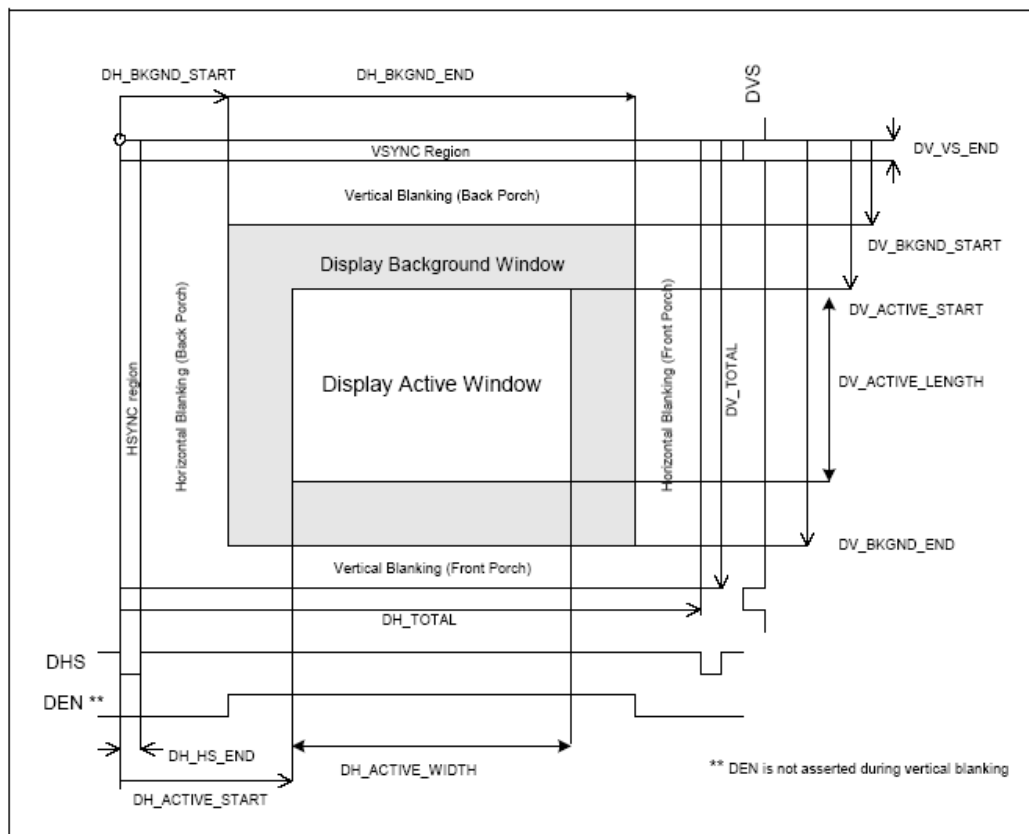


Figure 8-13 Display Windows and Timing

Data captured by the Input Capture Window and processed by the various image manipulation blocks is output in the Display Active Window. This window is always in the foreground and lies on top of all other output windows, except OSD overlay windows.

Typically the Display Active Window is set to the same size as the output of the Scaling Engine. If the Display Active Window is set too small, then the bottom and right hand edges of the image data are cropped. If the Display Active Window is set too large, then the extra space to the left and bottom of the Display Active Window is forced to the Background Window color.

Output Dithering The CLUT outputs a 10-bit value for each color channel. This value is dithered down to either 8-bits for 24-bit per pixel panels, or 6-bits for 18-bit per pixel panels. In this way it is possible to display 16.7 million colors on a LCD panel with 6-bit column drivers.

The benefit of dithering is that the eye tends to average neighboring pixels and a smooth image free of contours is perceived. Dithering works by spreading the quantization error over neighboring pixels both spatially and temporally. Two dithering algorithms are available: random or ordered dithering. Ordered dithering is recommended when driving a 6-bit panel. All gray scales are available on the panel output whether using 8-bit panel (dithering from 10 to 8 bits per pixel) or using 6-bit panel (dithering from 10 down to 6 bits per pixel).

Dual Channel LVDS Transmitter

An integrated LVDS transmitter with programmable input to output configuration is provided to enable drive of all known panels. The LVDS transmitter can support the following:

- ◆ Single pixel mode □ 24-bit panel mapping to the LVDS channels
- ◆ 18-bit panel mapping to the LVDS channels
- ◆ Programmable channel swapping (the clocks are fixed)
- ◆ Programmable channel polarity swapping
- ◆ Supports up to SXGA 75Hz output

On-Chip Microcontroller (OCM)

The on-chip microcontroller (OCM) is a 16-bit x86 100MHz processor capable of acting as either the overall system controller or a slave controller, receiving commands from an external controller.

The OCM executes firmware running from external ROM, as well as driver-level (or Application Programming Interface – API) functions residing in internal ROM. A parallel port with separate address and data busses is available for this purpose.

This port connects directly to standard, commercially available ROM or programmable FLASH ROM devices. A serial FLASH ROM may be used with the serial peripheral interface (SPI) and cache controller inside the Genesis device. Both firmware and OSD content must be compiled into a HEX file and then loaded onto the external ROM.

The OSD content is generated using Genesis Workbench. Genesis Workbench is a GUI based tool for defining OSD menus, navigation, and functionality.

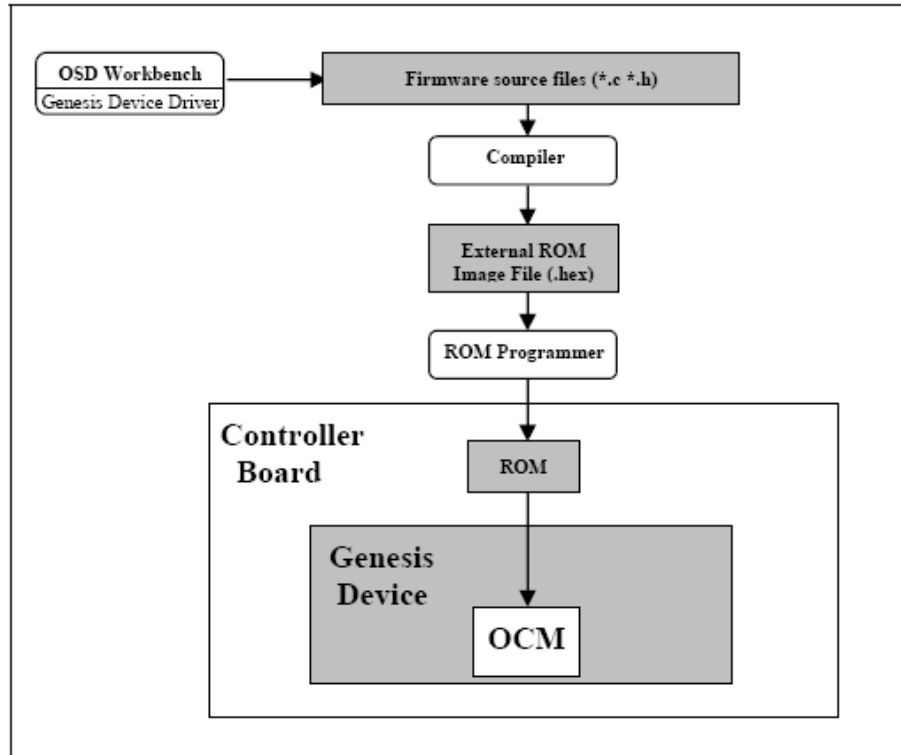


Figure 8-14 FLI8125 OCM Programming

The operation of HDMI Sil9011

The Sil 9011 provides one HDMI input port. The Sil 9011 video output goes to a video processor while the audio output goes to an audio DAC.

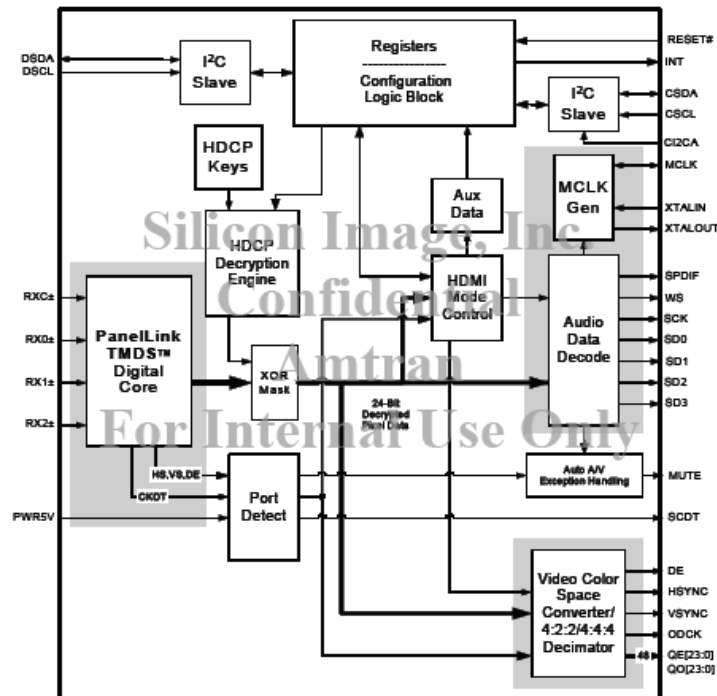


Figure 8-15 HDMI 9011 Block Diagram

TMDSTM Digital Core

The core performs 10-to-8-bit TMDSTM decoding on the audio and video data received from the three TMDSTM differential data lines along with a TMDSTM differential clock. The TMDSTM core supports link clock rates to 165MHz, including CE modes to 720p/1080i/1080p and PC modes to XGA, SXGA and UXGA.

Active Port Detection

The PanelLink core detects an active TMDSTM clock and detects an actively toggling DE signal. These states are accessible in register bits, useful for monitoring the status of the HDMI input or for automatically powering down the receiver.

The +5V supply from the HDMI connector is used as a cable detect indicator. The Sil 9011 can monitor the presence of this +5V supply and, if and when necessary, provide a fast audio mute without pops when it senses the HDMI cable pulled. The microcontroller can also poll registers in the Sil9011 to check whether an HDMI cable is connected.

Data Input and Conversion

Mode Control Logic

The mode control logic determines if the decrypted data is video, audio or auxiliary information, and directs it to the appropriate logic block.

Video Data Conversion and Video Output

The Sil 9011 can output video in many different formats (see examples in Table 2). The receiver can also process the video data before it is output, as shown in Figure 5. Each of the processing blocks may be bypassed by setting the appropriate register bits. (See page 38 for a more detailed path diagram.)

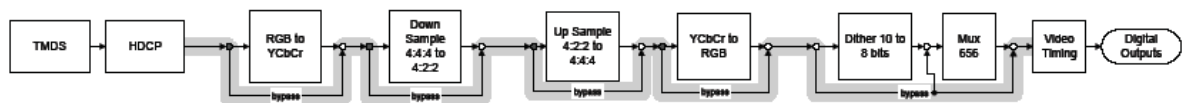


Figure 8-16 HDMI Video Processing Path

Color Range Scaling

The color range depends on the video format, according to the CEA-861B specification. In some applications the 8-bit input range uses the entire span of 0x00 (0) to 0xFF (255) values. In other applications the range is scaled narrower. The receiver cannot detect the incoming video data range, and there is no required range specification in the HDMI AVI packet.

Therefore the receiver's firmware will have to program the scaling depending on the detected video format. Refer to the Sil 9011 Programmer's Reference (Sil-PR-0006) for more details. When the receiver outputs embedded syncs (SAV/EAV codes), it also limits the YCbCr output values to 1 to 254.

Digital Video Output Formats

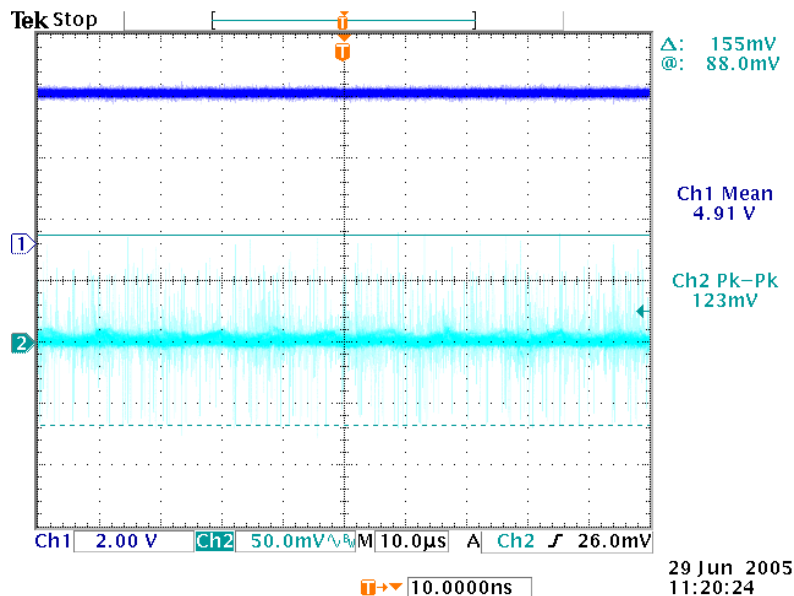
Color Space	Video Format	Bus Width	HSYNC / VSYNC	Output Clock (MHz) ³							Notes
				480i	480p	XGA	720p	1080i	1080p	UXGA	
RGB	4:4:4	24	Separate	13.25 / 27	27	65	74.25	74.25	148.5	162	
YCbCr	4:4:4	24	Separate	13.25 / 27	27	65	74.25	74.25	148.5	162	
YCbCr	4:2:2	16/20/24	Sep, Emb.	13.25 / 27	27	—	74.25	74.25	148.5	162	1,2
YCbCr	4:2:2	8/10/12	Sep, Emb.	27	54	135	148.5	148.5	—	—	1,4
RGB	4:4:4	48	Separate	6.73/13.5	13.5	32.25	37.13	37.13	74.25	81	5
YCbCr	4:4:4	48	Separate	6.73/13.5	13.5	32.25	37.13	37.13	74.25	81	5
RGB	4:4:4	12	Separate	13.25 / 27	27	65	74.25	74.25	—	—	6
YCbCr	4:4:4	12	Separate	13.25 / 27	27	65	74.25	74.25	—	—	6
YCbCr	4:2:2	8/10/12	Sep, Emb.	13.25/27	27	65	74.25	74.25	—	81	1,4

Figure 8-17 Digital Video Output Formats

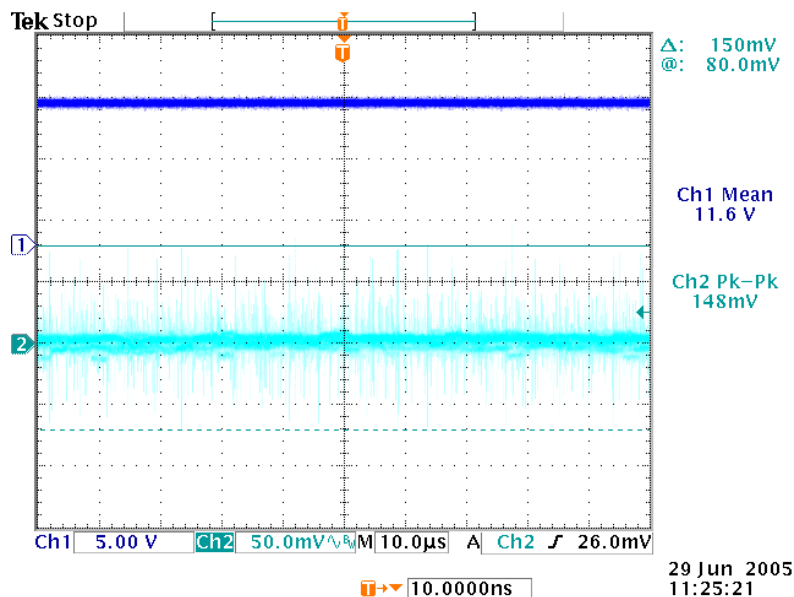
Chapter 9 Waveforms

1. Ripple Voltage

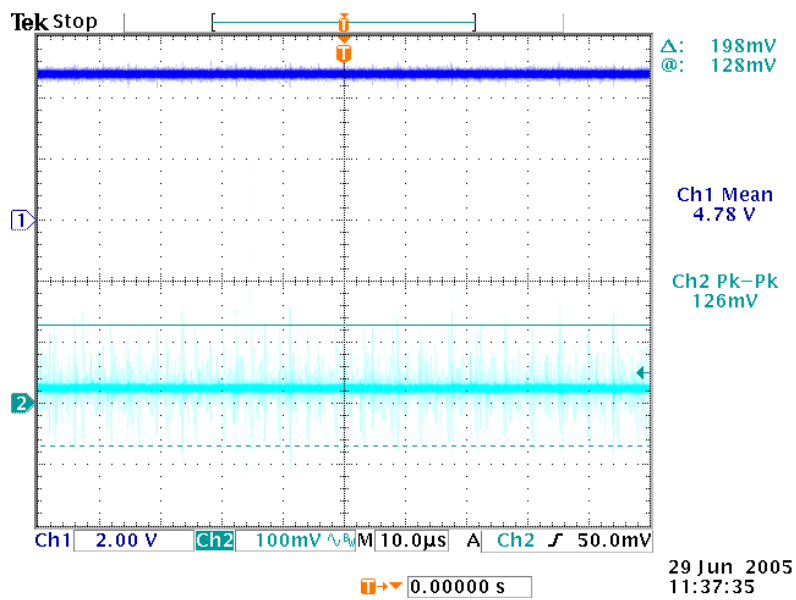
(1) PDP_+5Vsc (CN1.1)



(2) PDP_+12V (CN1.7)

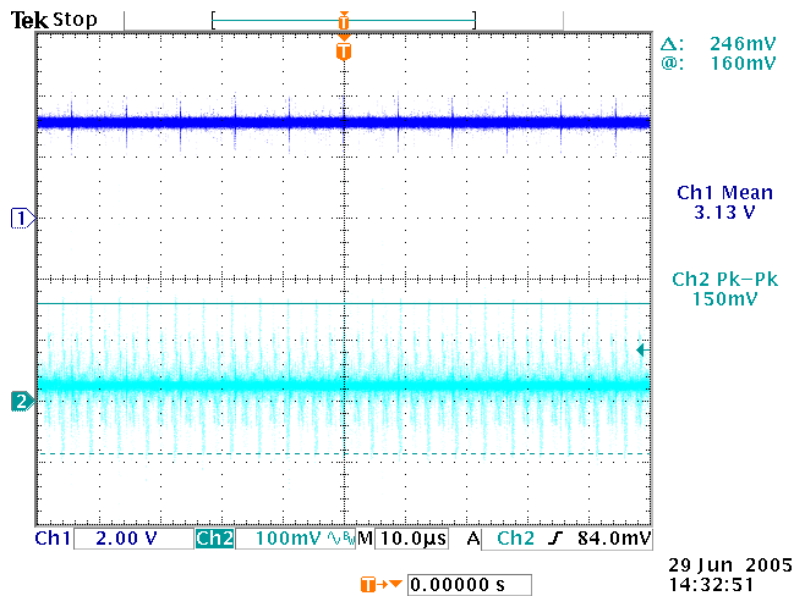


(3) PDP_+5Vsb (CN3.4)

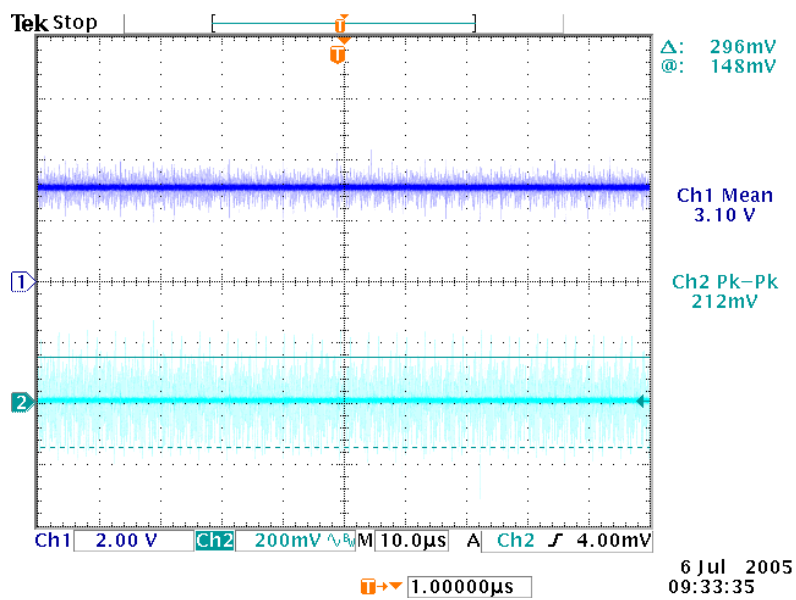


(4) FLI8125 (U10)

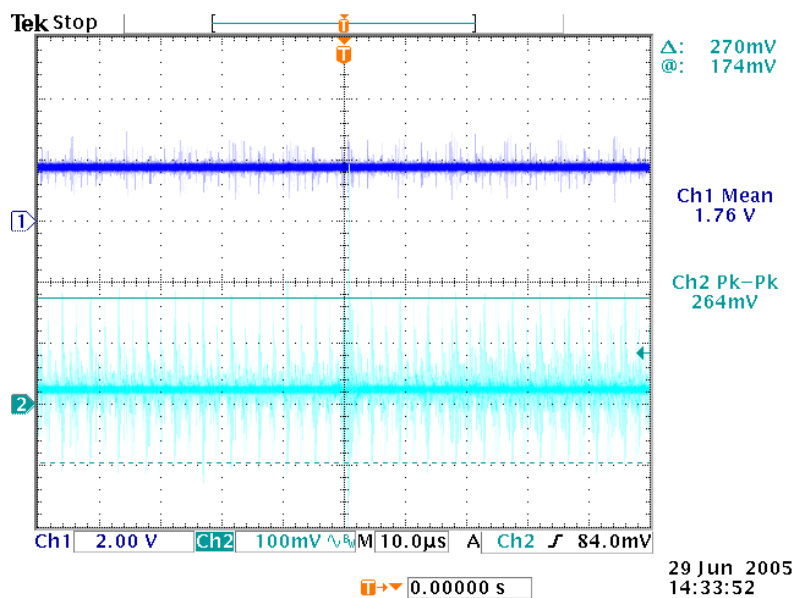
+3.3V_I/O_HUD



+3.3V_ADC_HUD

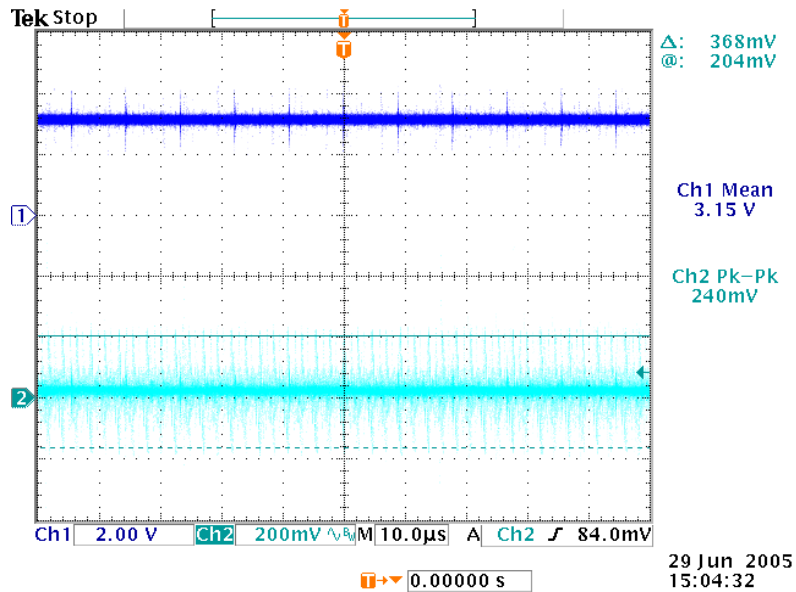


+1.8V_ADC_HUD

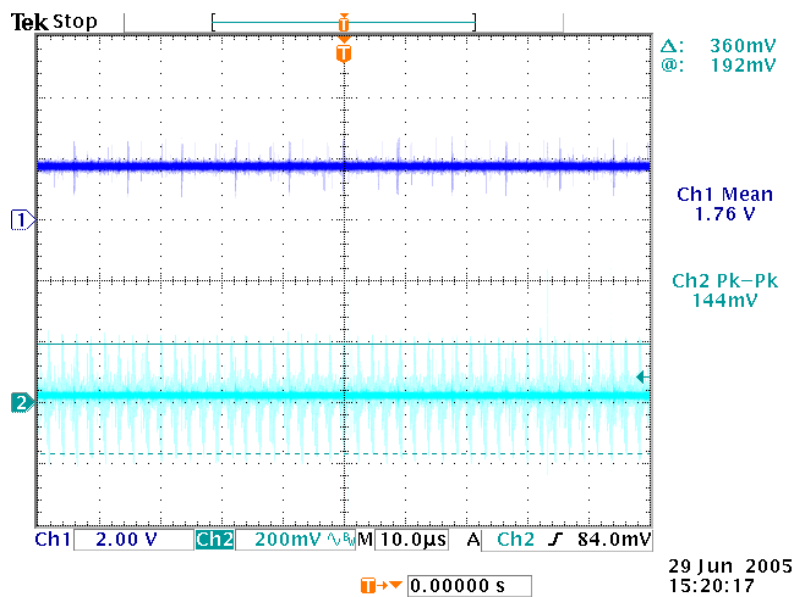


(5) FLI8532 (U13)

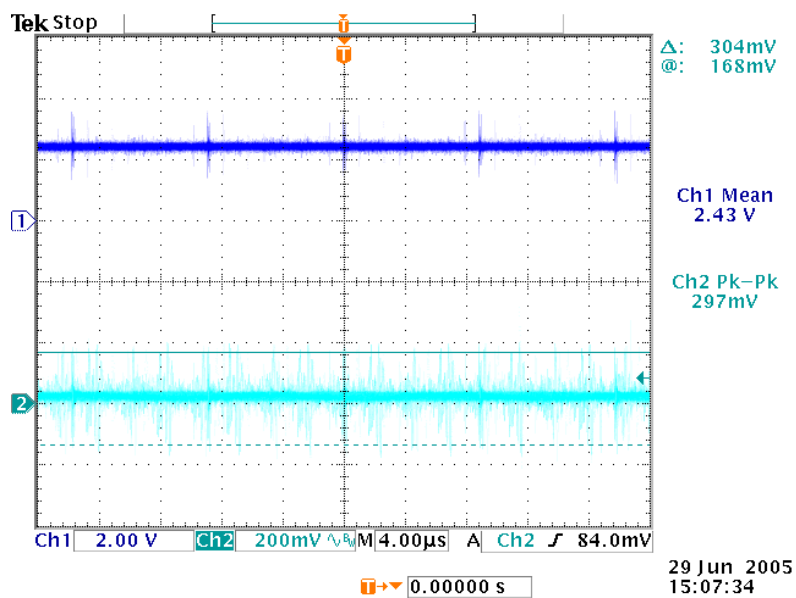
+3.3V_I/O



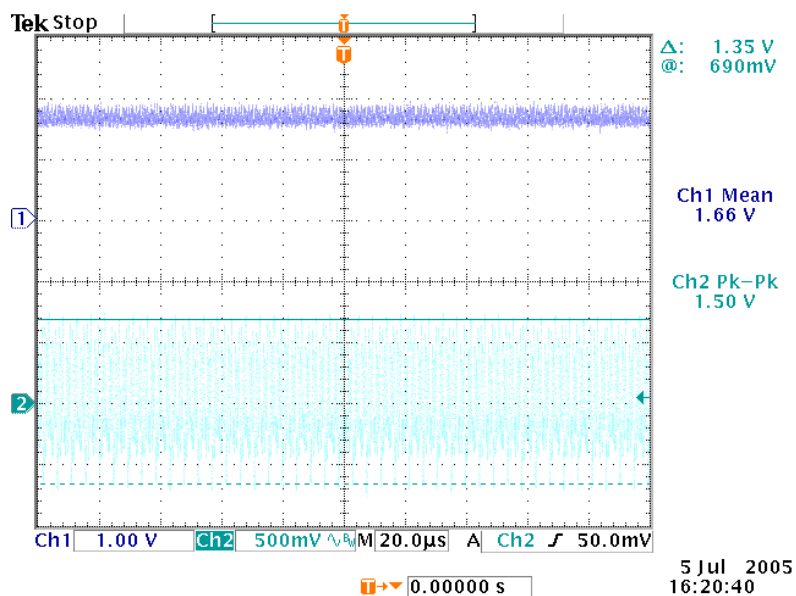
+1.8V_ADC



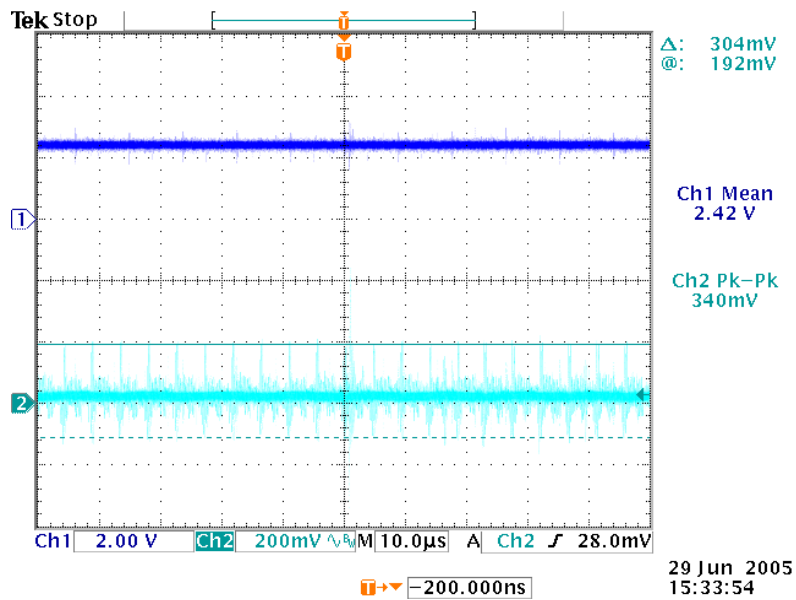
+2.5V_DDR



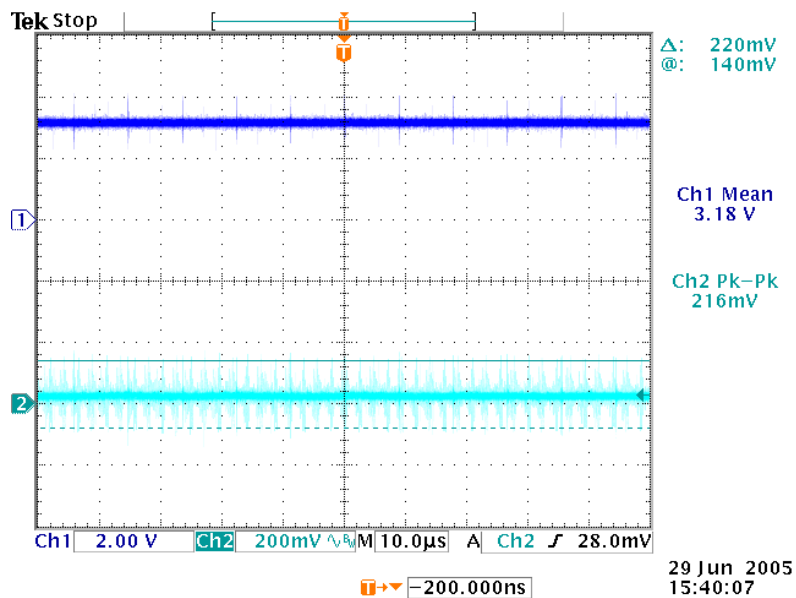
+1.8V_CORE



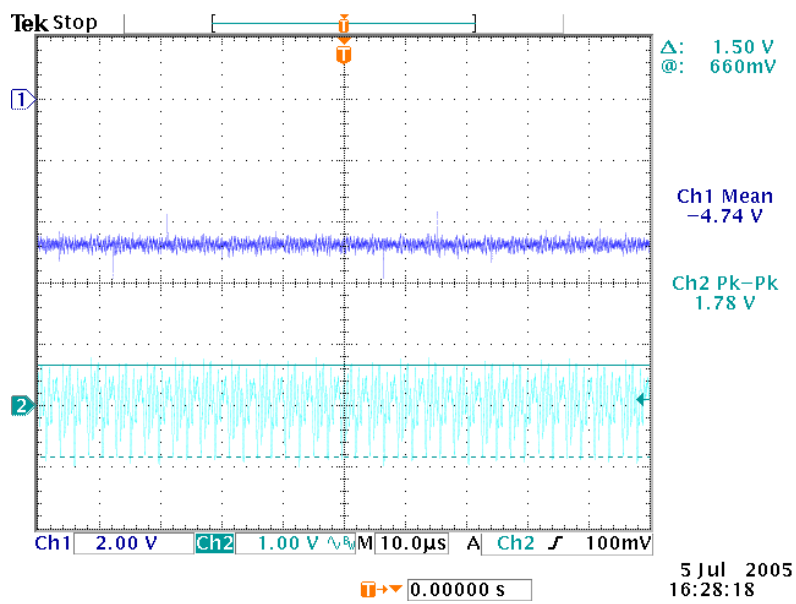
(6) NT5DS16M16CS-5T (U16, U17)



(7) Am29LV320DT90-ED (XU1)

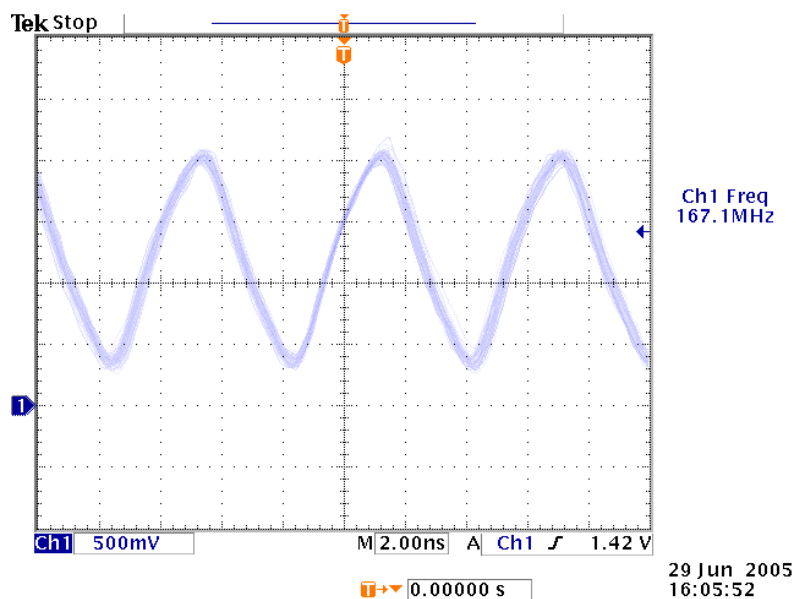


(8) LM2660 (-5V_N of the U29)



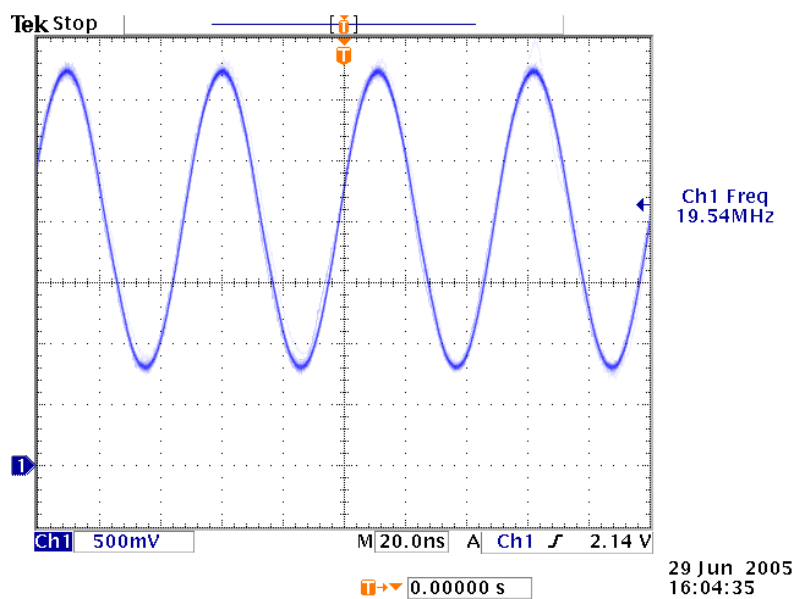
2. Clock Timing

(1) NT5DS16M16CS-5T DDR clock (pin 45 of the U16 or U17)

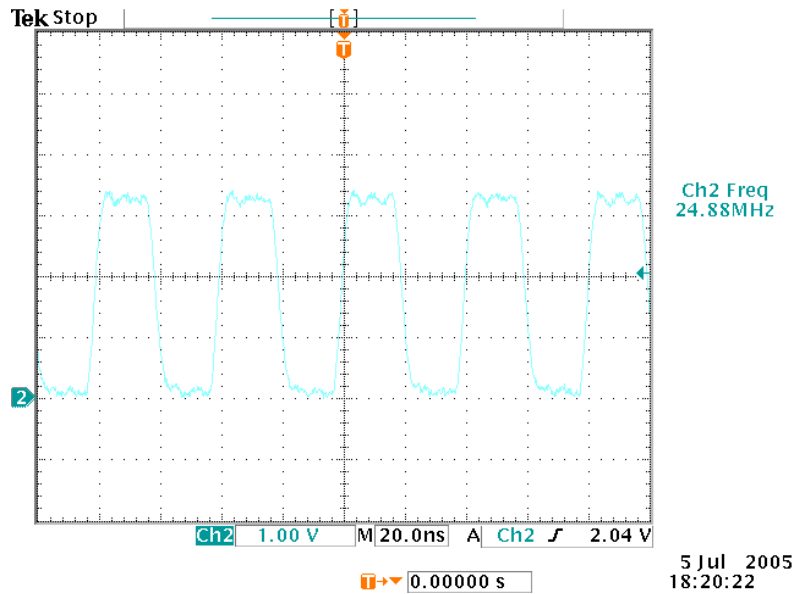


(2) FLI8125

Crystal clock (pin 15 of the U10)

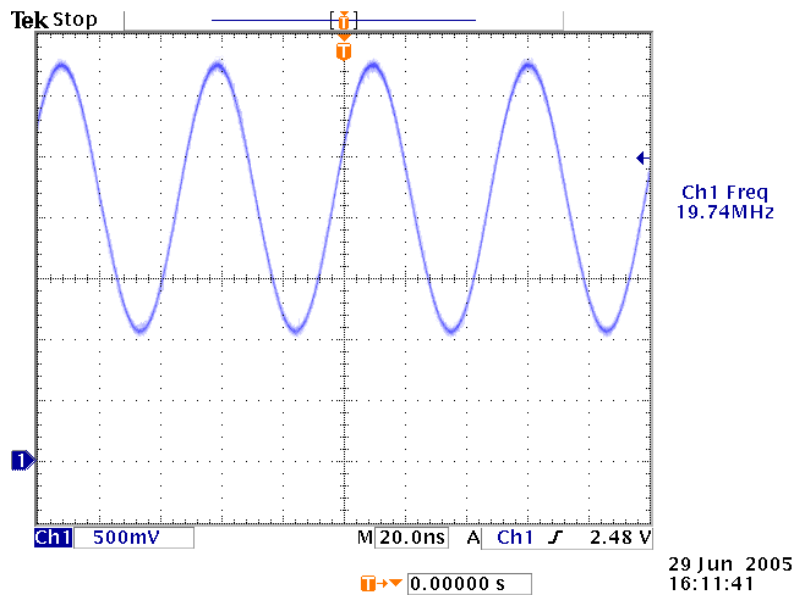


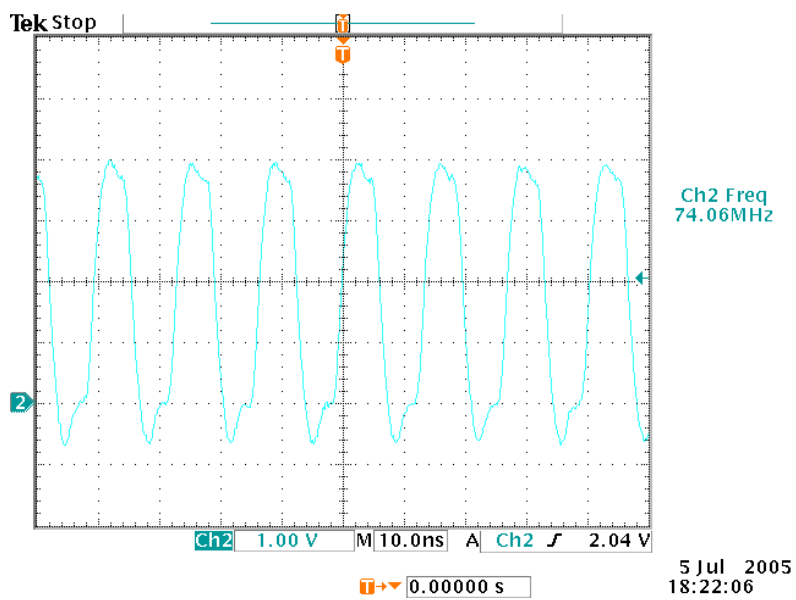
Hudson output clock



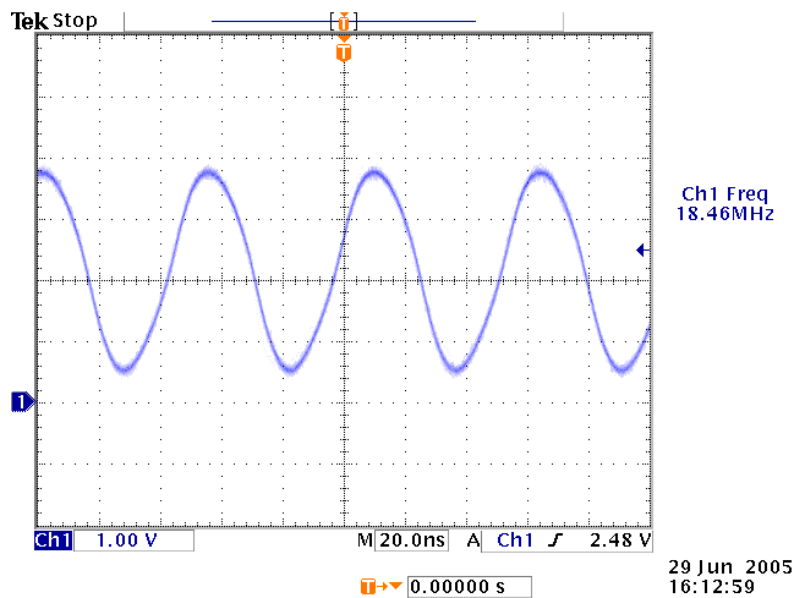
(3) FLI8532

Crystal clock (pin B26 of the U13 or pin 1 of the C155) Cortze output clock

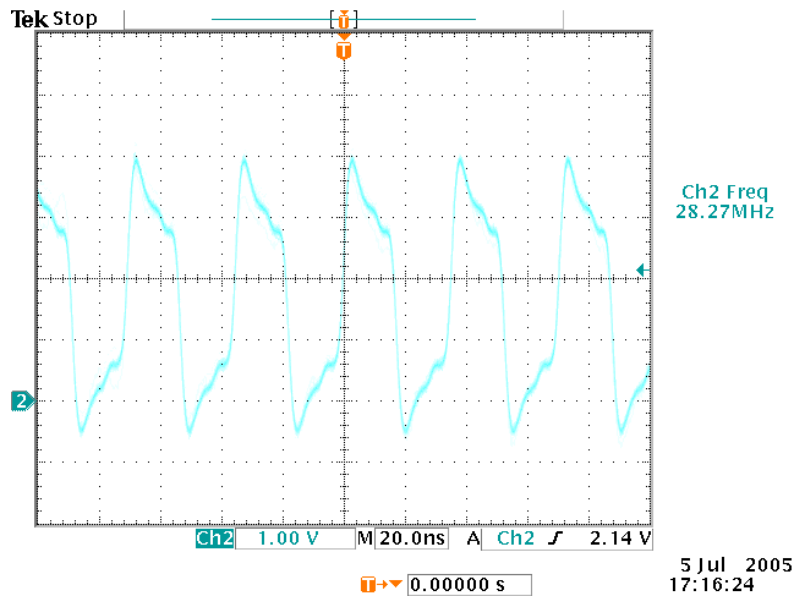




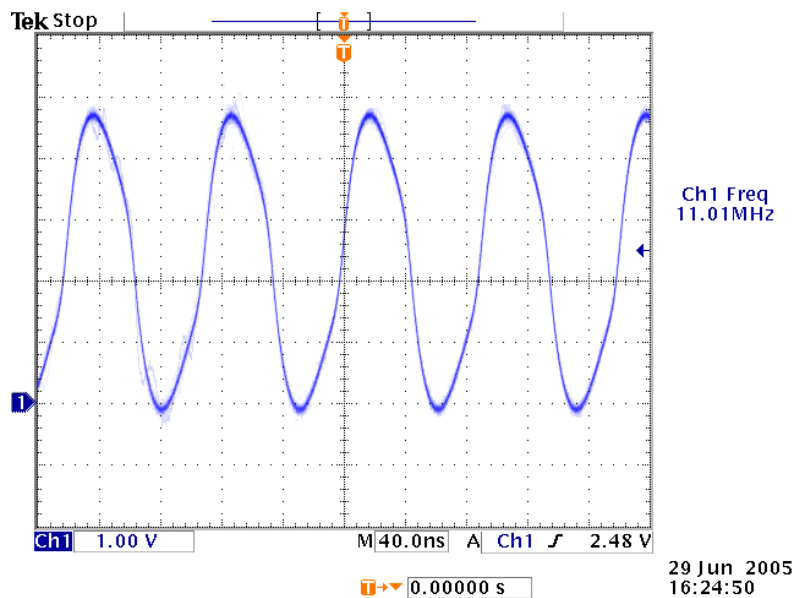
(4) MSP4450G crystal clock (pin 55 of the U32)



(5) SiI9011CLU crystal clock (pin 84 of the U35 and U42)



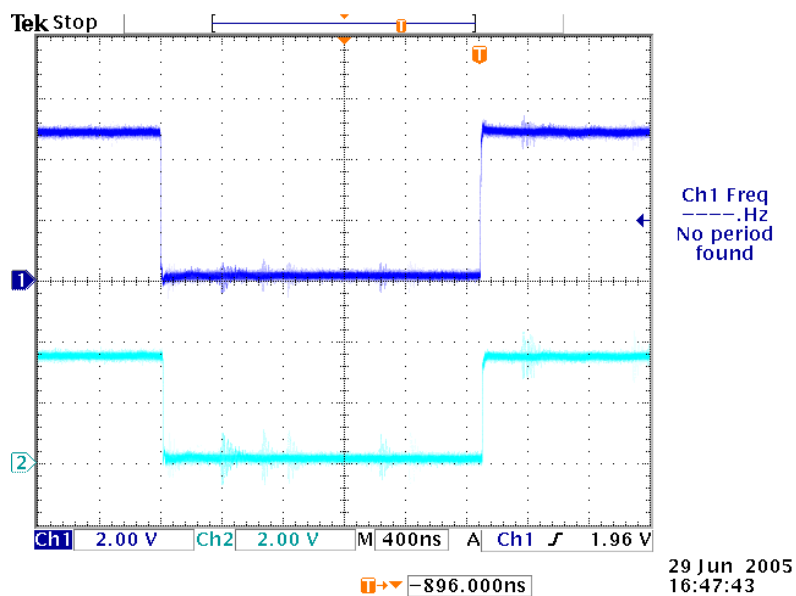
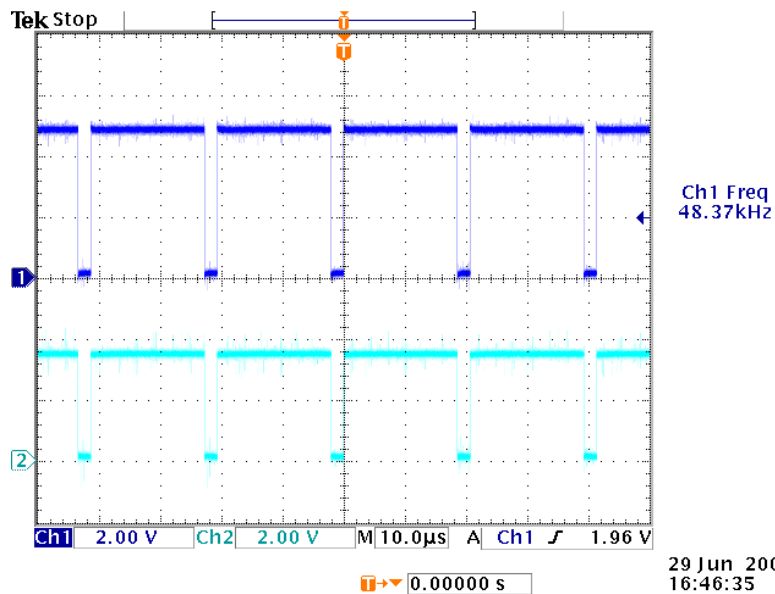
(6) IC SM5964C40J crystal clock (pin 20 of the U38)



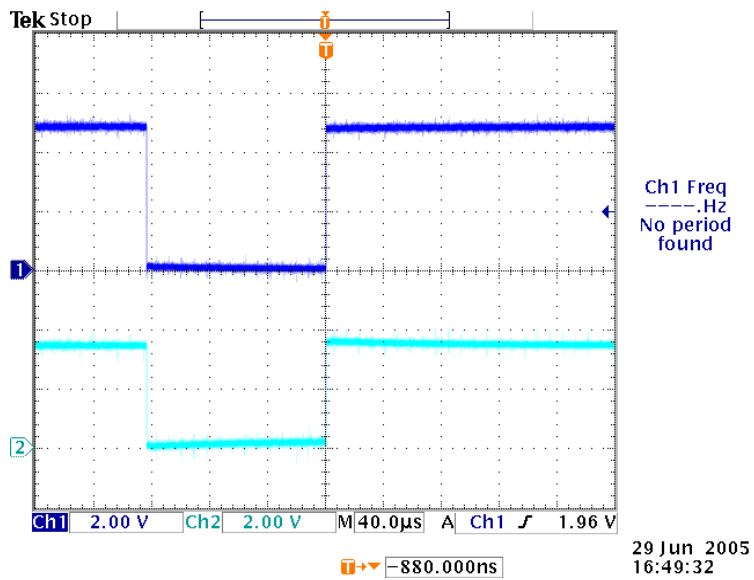
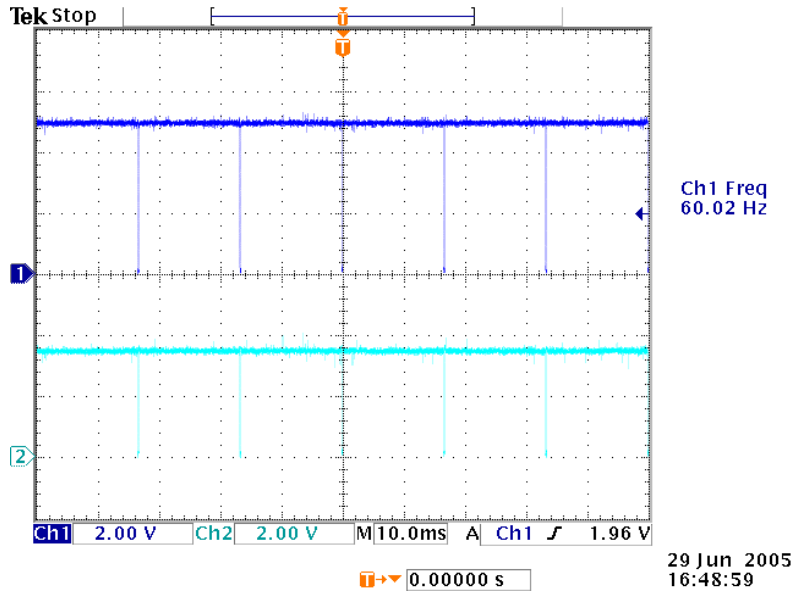
3. Horizontal and Vertical sync. Timing

(1) VGA input (1024x768x60Hz)

H-sync

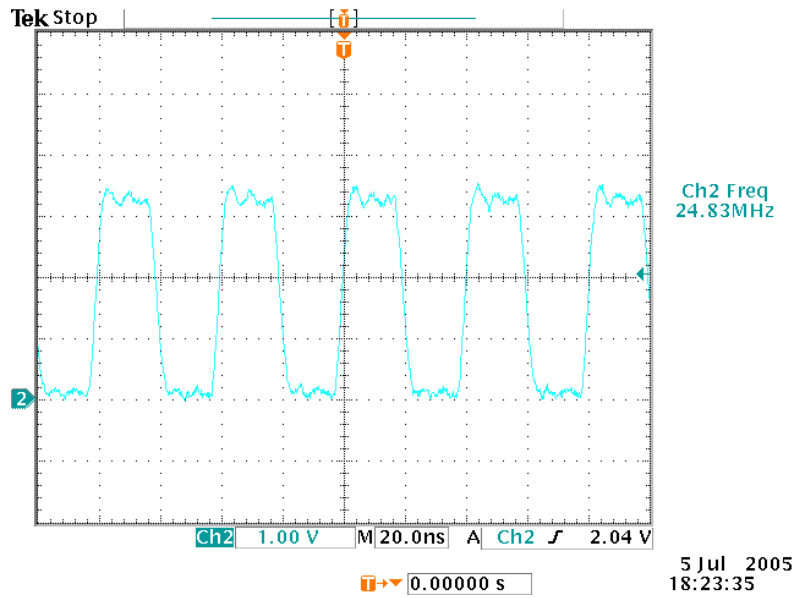


V-sync

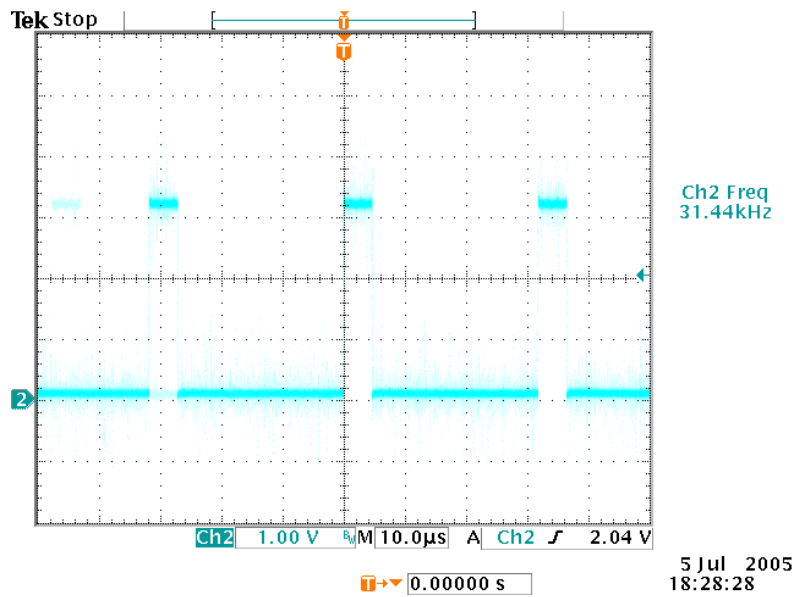


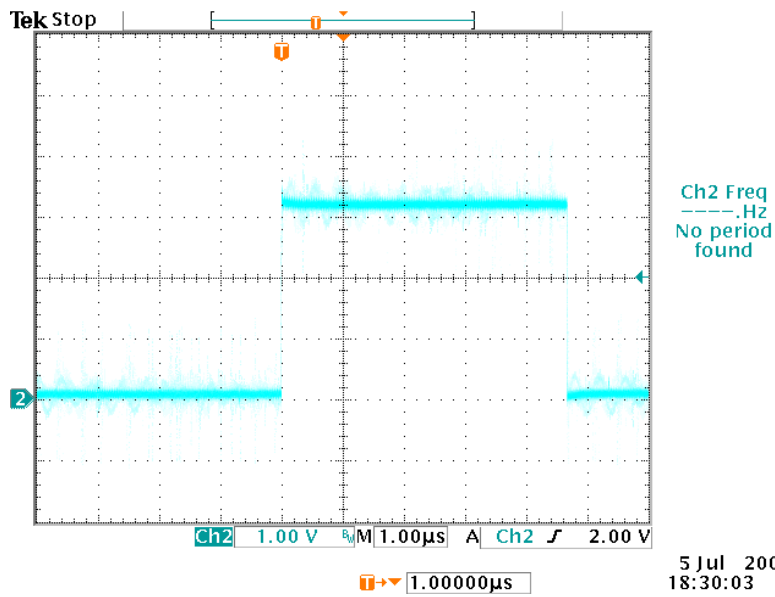
(2) Sil9011CLU (U35 and U42)

CLK

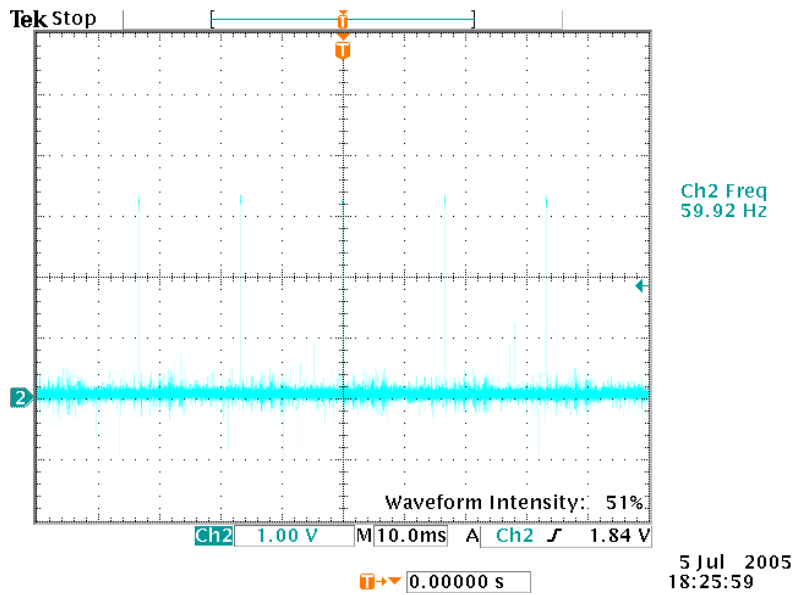


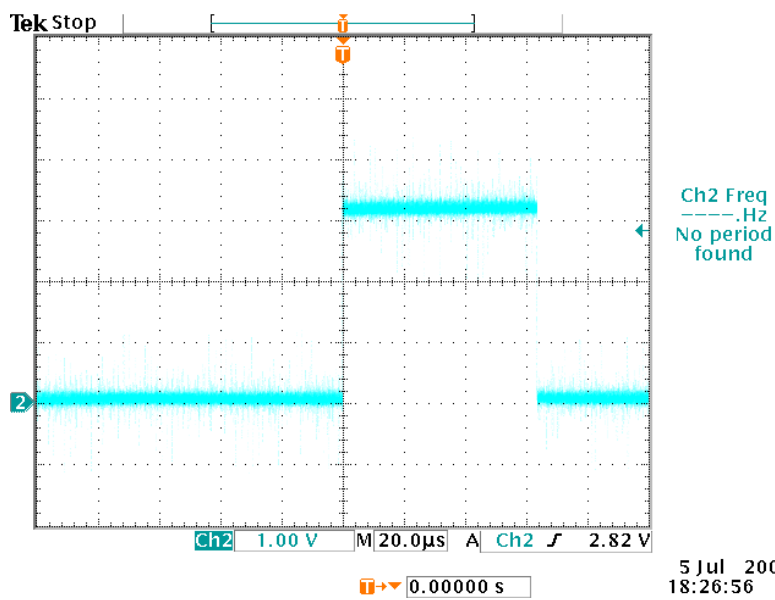
BHS-sync





BVS-sync

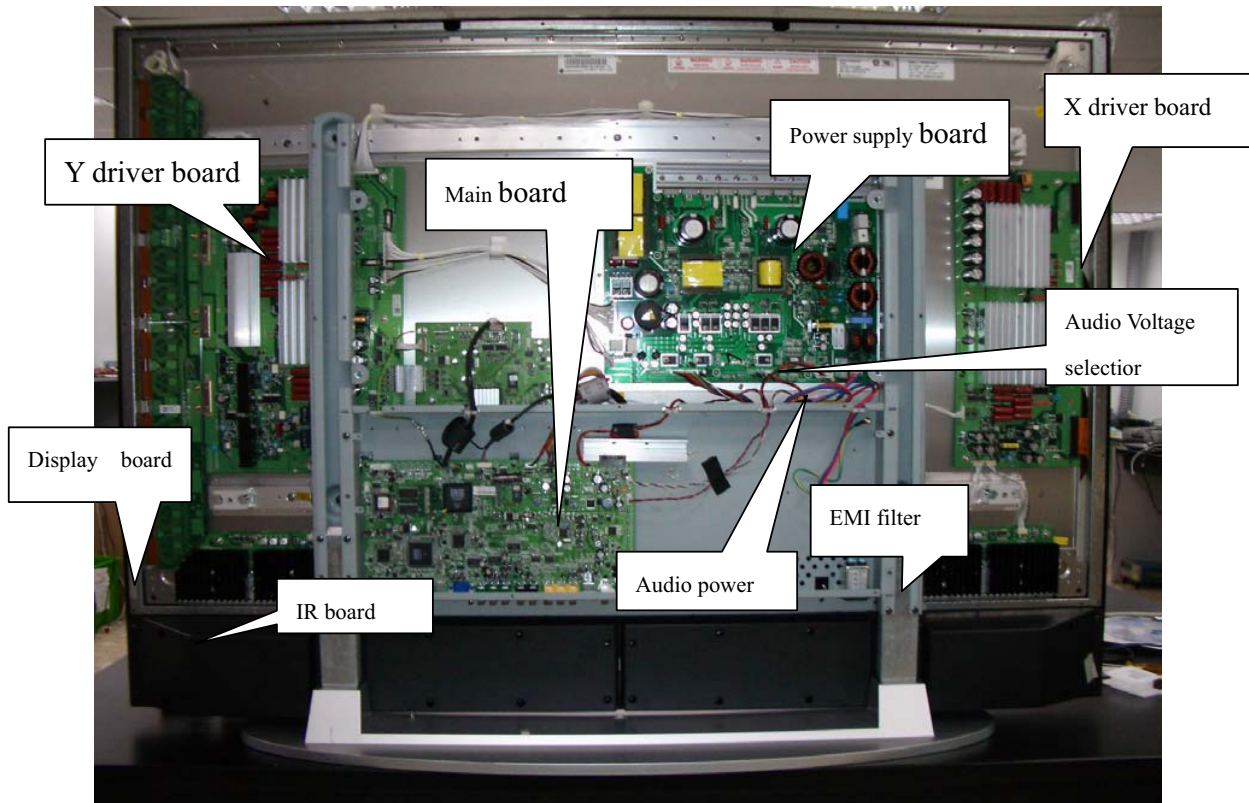




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18:26:56

Chapter 10 PDP Trouble Shooting

A. SYSTEM OVERVIEW



B. PCB PARTS NAME/NUMBER AND FUNCTION DESCRIPTION

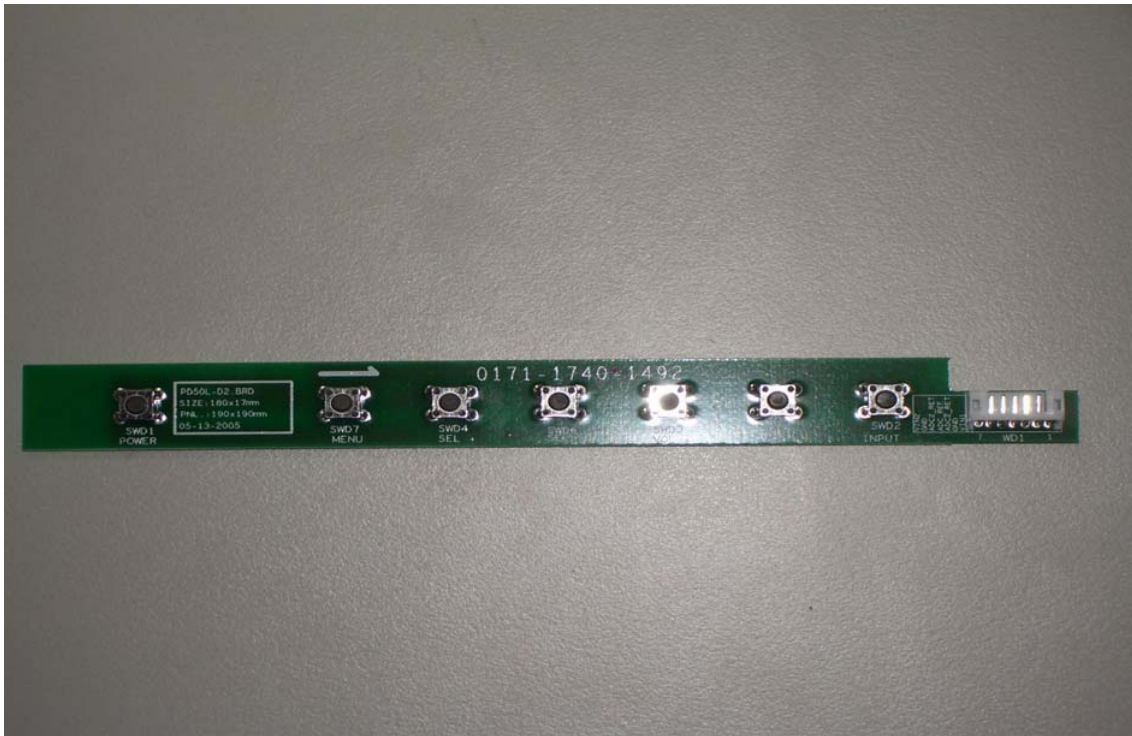
PART NAME	PART NUMBER	FUNCTION DESCRIPTION
POWER SUPPLY BOARD		PROVIDE ALL THE POWER FOR TV SET
X DRIVER BOARD		X ELECTRODE DRIVING BOARD
Y DRIVER BOARD		Y ELECTRODE DRIVING BOARD
AUDIO POWER SELECTOR		AUDIO POWER SUPPLY(+30V OR +24V)
MAIN BOARD	385000120150	CONNECTING TO TRANSFER DISPLY SIGNAL TO PDP SET, AMPLIFIER THE AUDIO SIGNAL TO THE SPEAKER
IR BOARD	385000120189	RECEIVE THE REMOTE CONTROLER AND DISPLAY SYSTEM STATUS LED
DISPLAY BOARD	385000120156	KEYPAD FUNCTION FOR MANUAL OPERATE TV

C. BOARD PICTURE

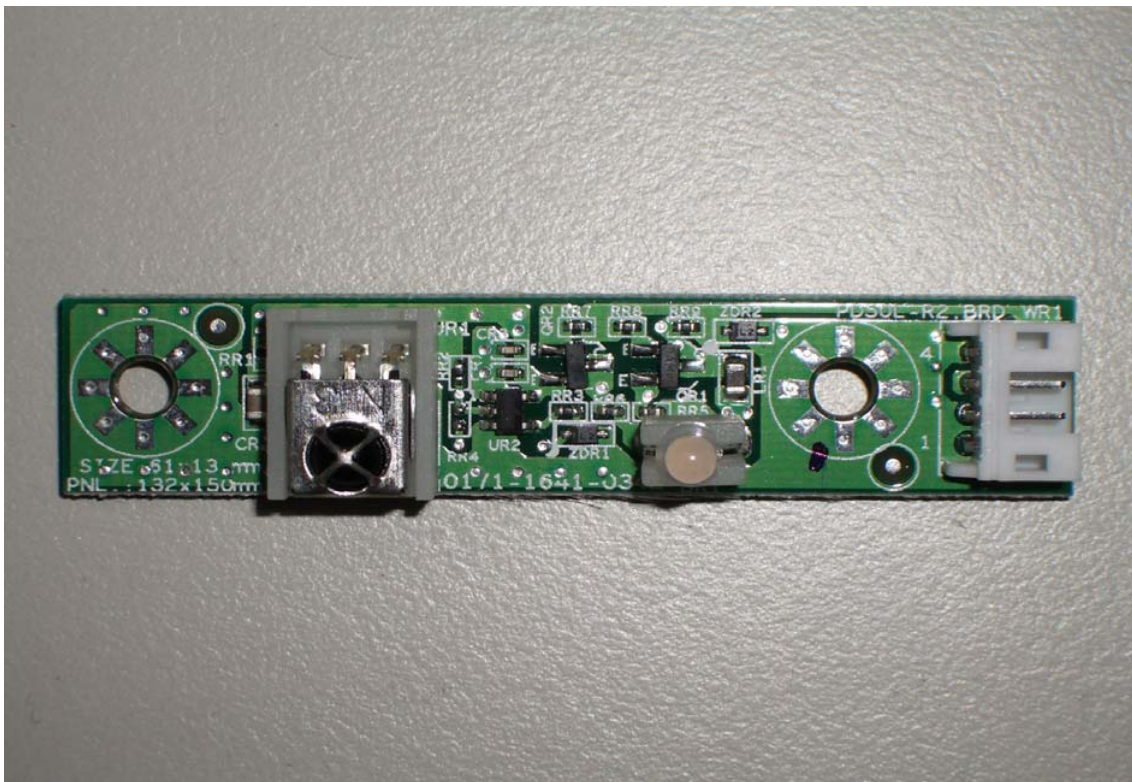
MAIN BOARD



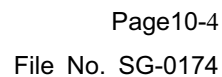
DISPLAY BOARD



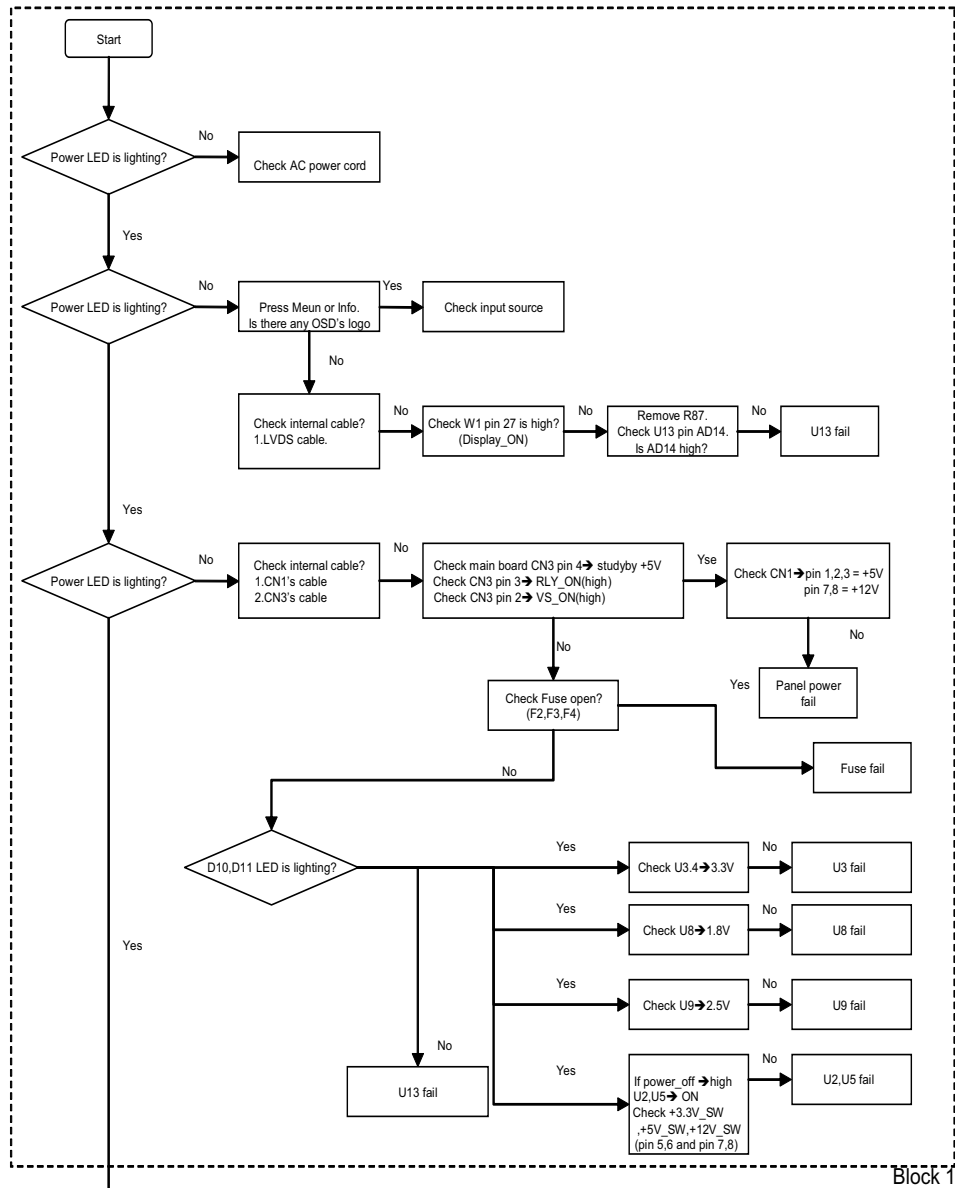
IR BOARD



1. Main board block diagram

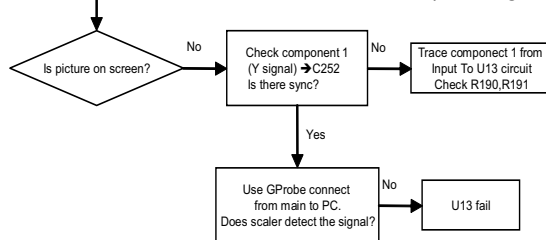


PDP DISPLAY NOTHING(Analog HD1/AC on/off default)



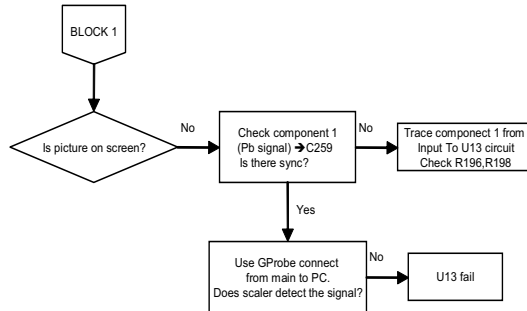
Block 1

PDP DISPLAY NOTHING(Analog HD1 without Y signal)

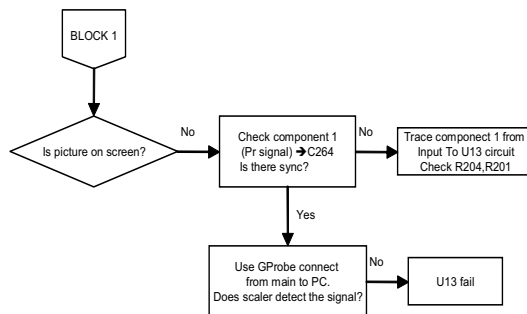


1

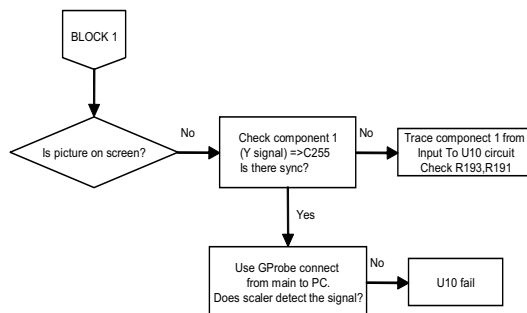
PDP DISPLAY NOTHING(Analog HD1 without Pb signal)



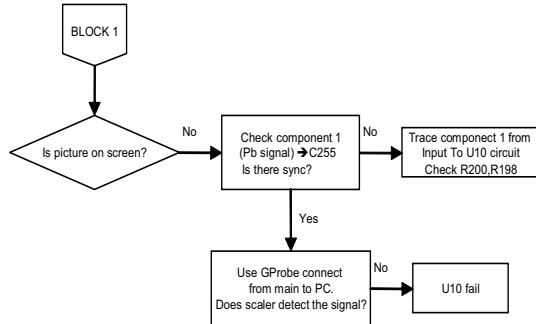
PDP DISPLAY NOTHING(Analog HD1 without Pr signal)



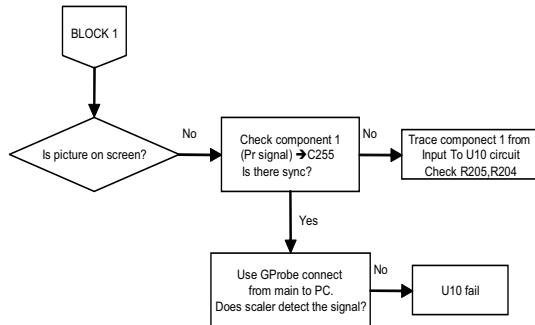
PDP DISPLAY NOTHING(Analog HD1 on PIP mode without Y signal)



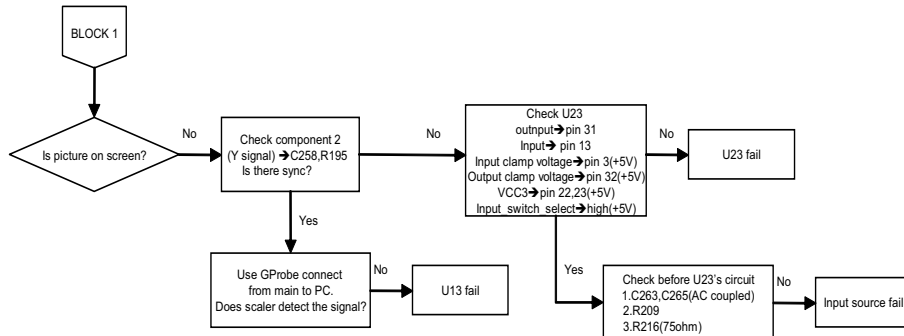
PDP DISPLAY NOTHING(Analog HD1 on PIP mode without Pb signal)



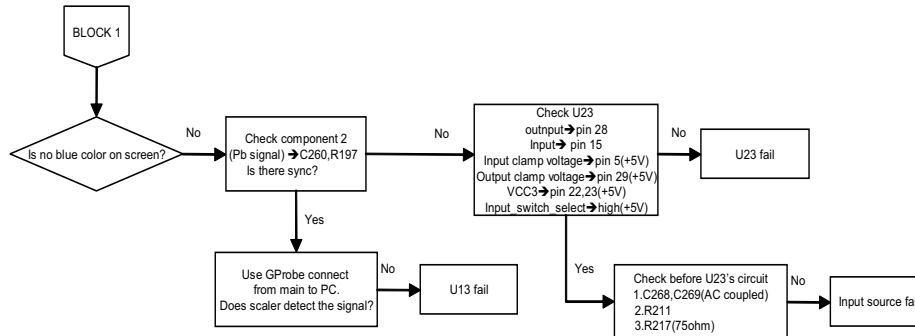
PDP DISPLAY NOTHING(Analog HD1 on PIP mode without Pr signal)



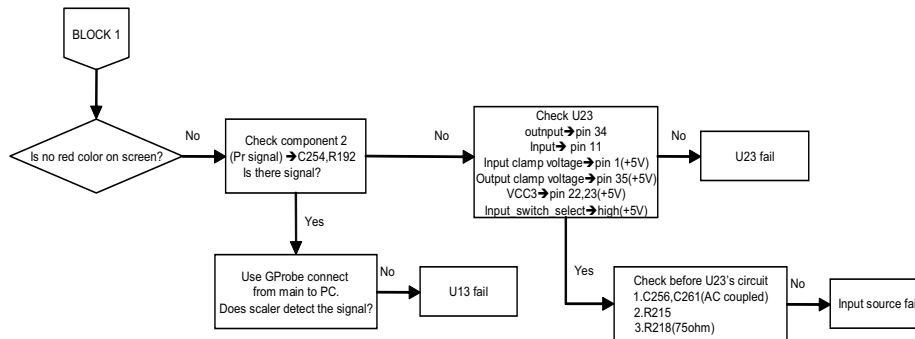
PDP DISPLAY NOTHING(Analog HD2 without Y signal)



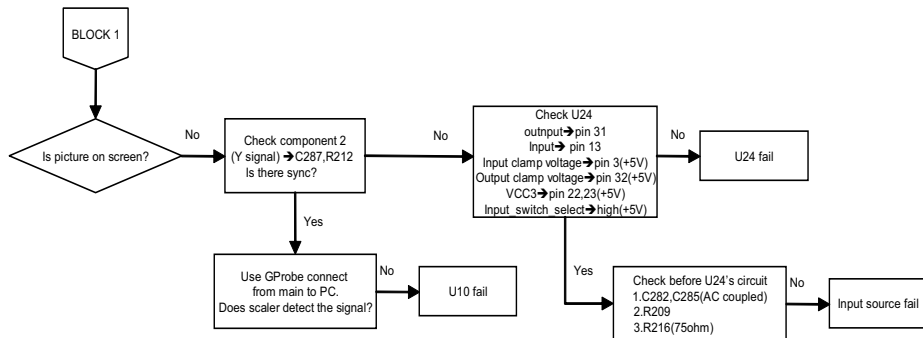
PDP DISPLAY NOTHING(Analog HD2 without Pb signal)



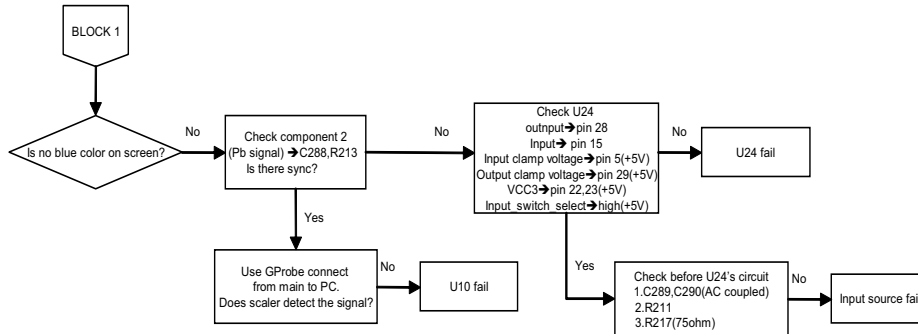
PDP DISPLAY NOTHING(Analog HD2 without Pr signal)



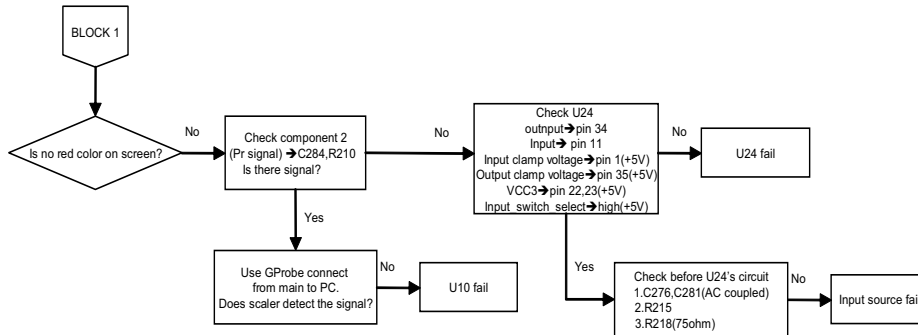
PDP DISPLAY NOTHING(Analog HD2 on PIP mode without Y signal)



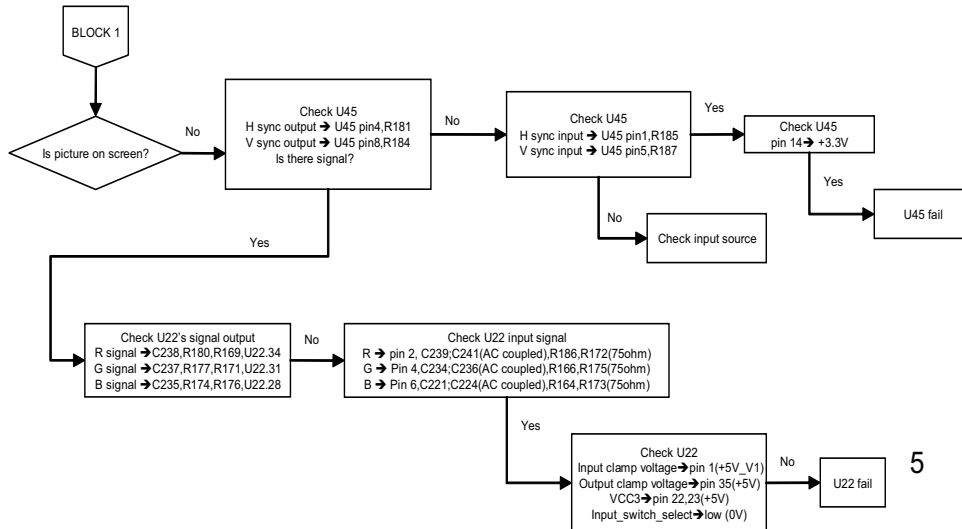
PDP DISPLAY NOTHING(Analog HD2 on PIP mode without Pb signal)



PDP DISPLAY NOTHING(Analog HD2 on PIP mode without Pr signal)

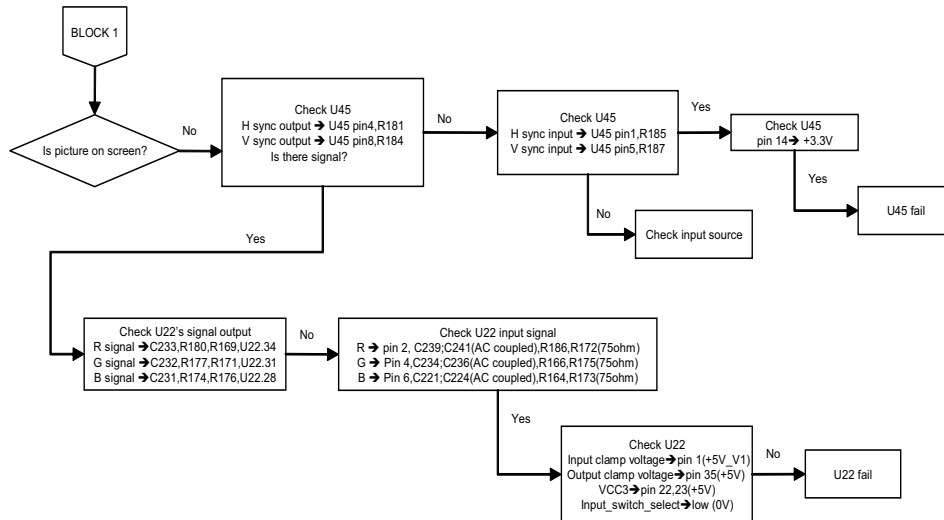


PDP DISPLAY NOTHING(RGB)

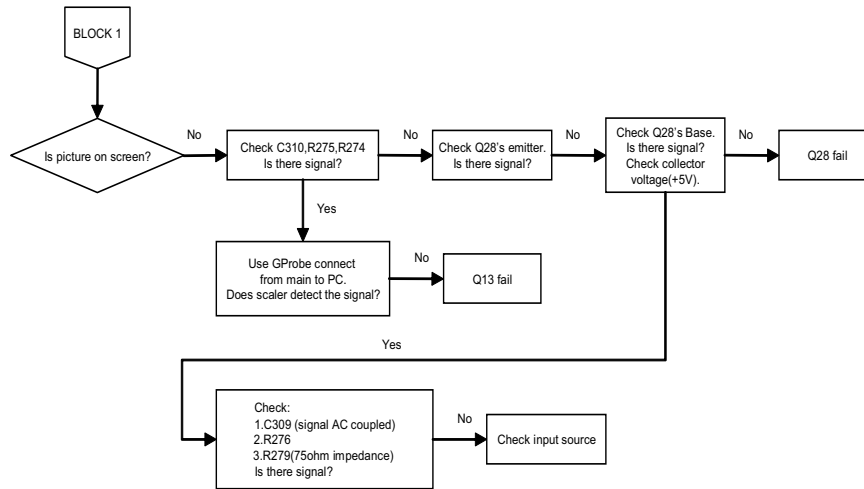


5

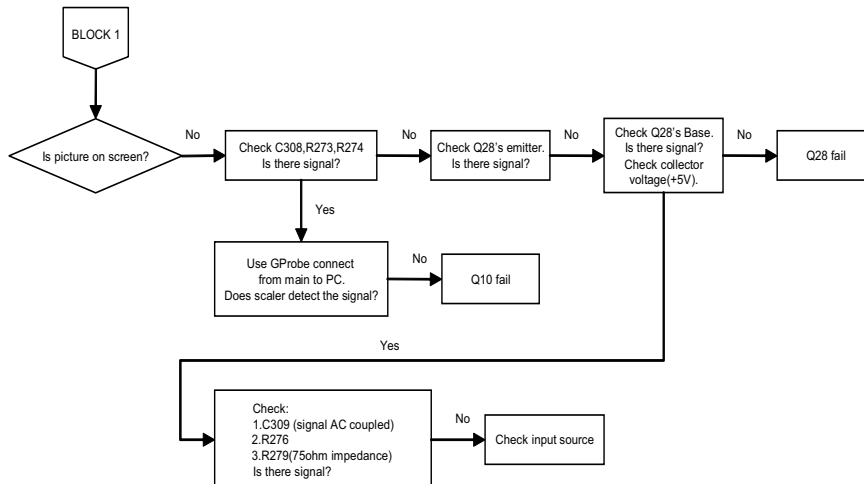
PDP DISPLAY NOTHING(RGB on PIP mode without screen)



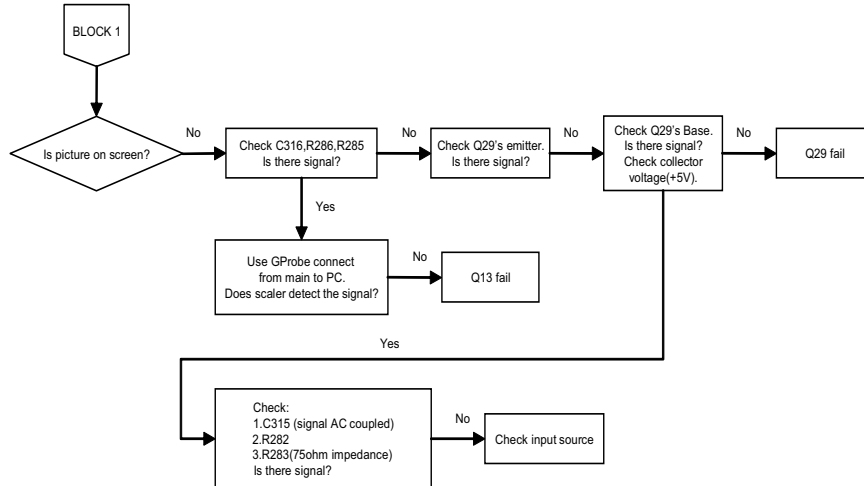
PDP DISPLAY NOTHING(Composite 1 without screen)



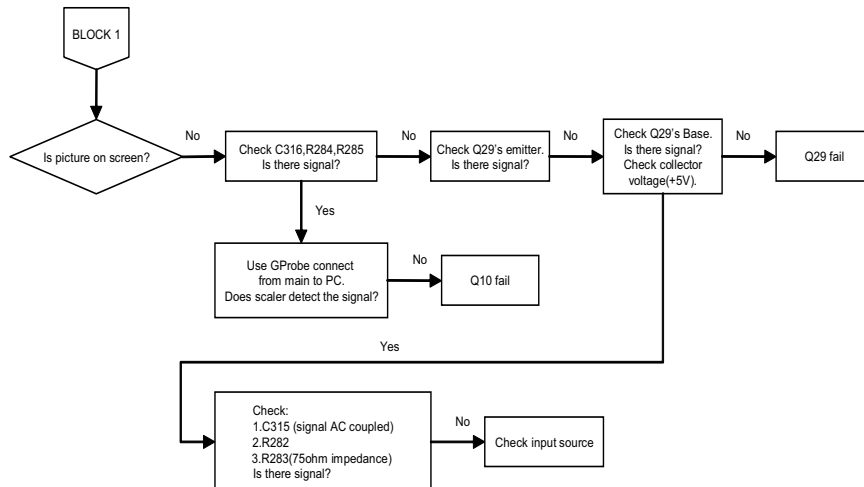
PDP DISPLAY NOTHING(Composite 1 on PIP without screen)



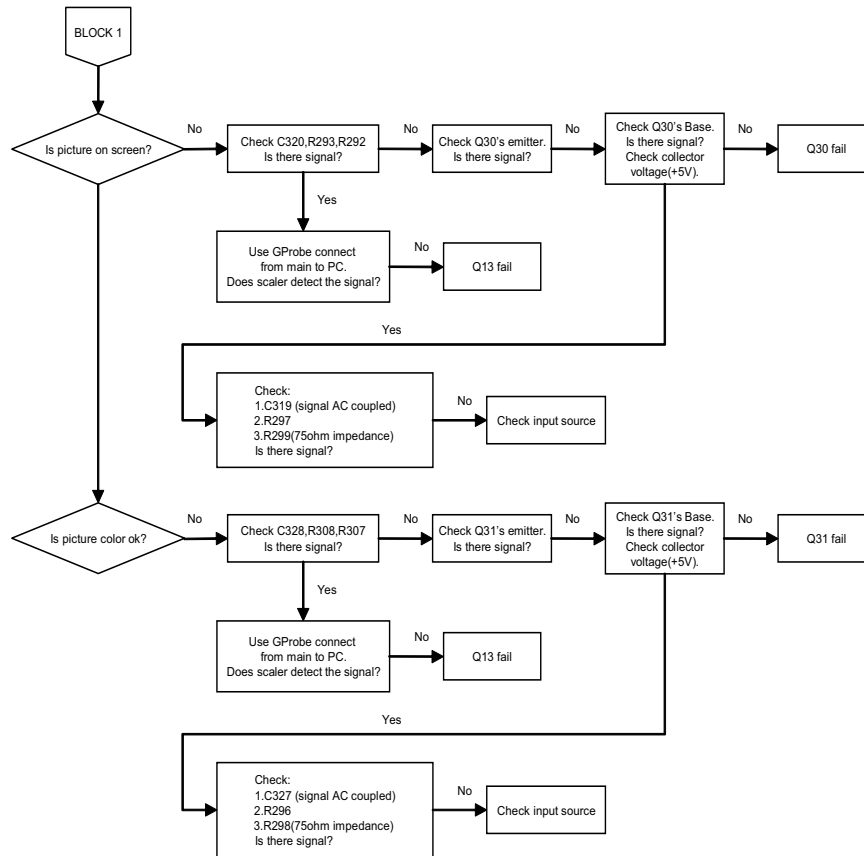
PDP DISPLAY NOTHING(Composite 2 without screen)



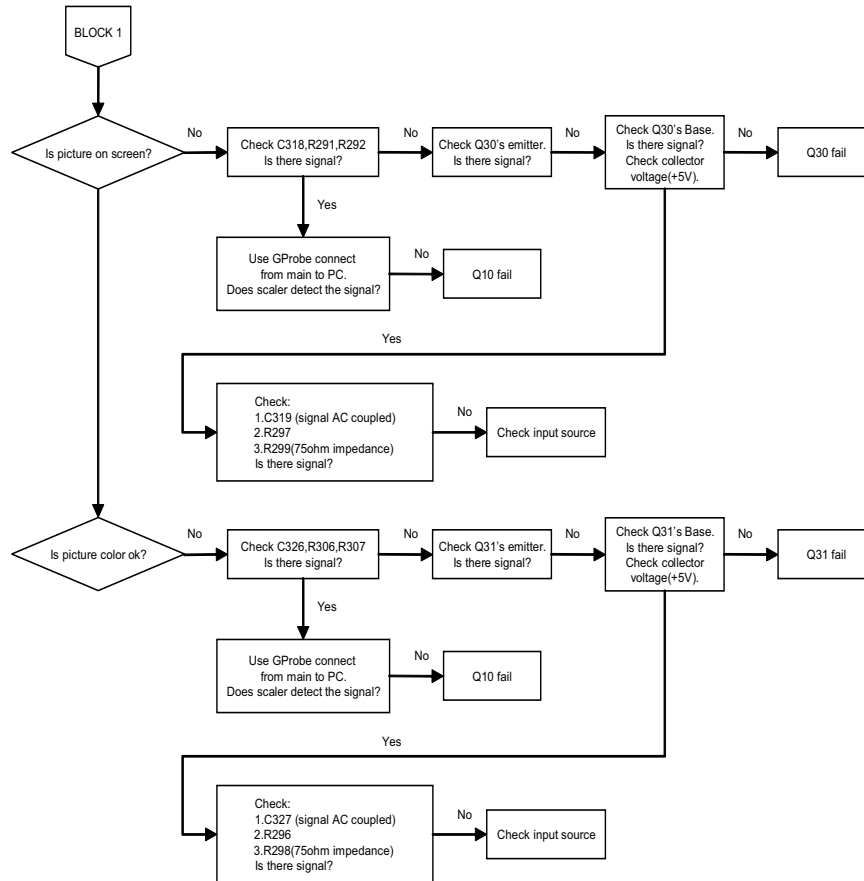
PDP DISPLAY NOTHING(Composite 2 on PIP without screen)



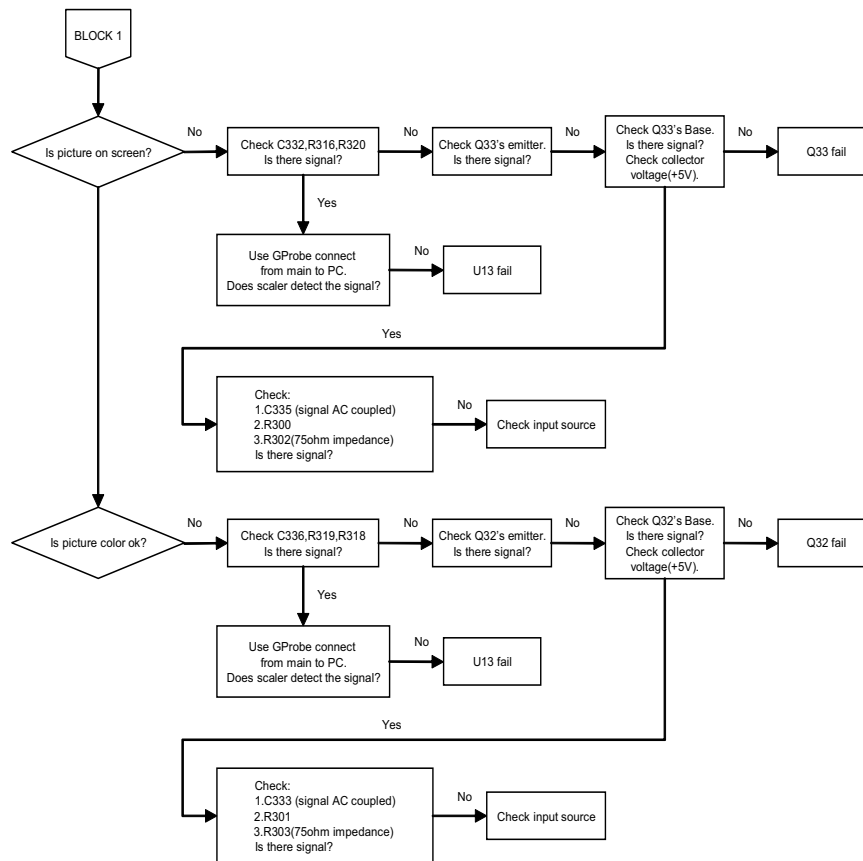
PDP DISPLAY NOTHING(S-VIDEO 1 without screen)



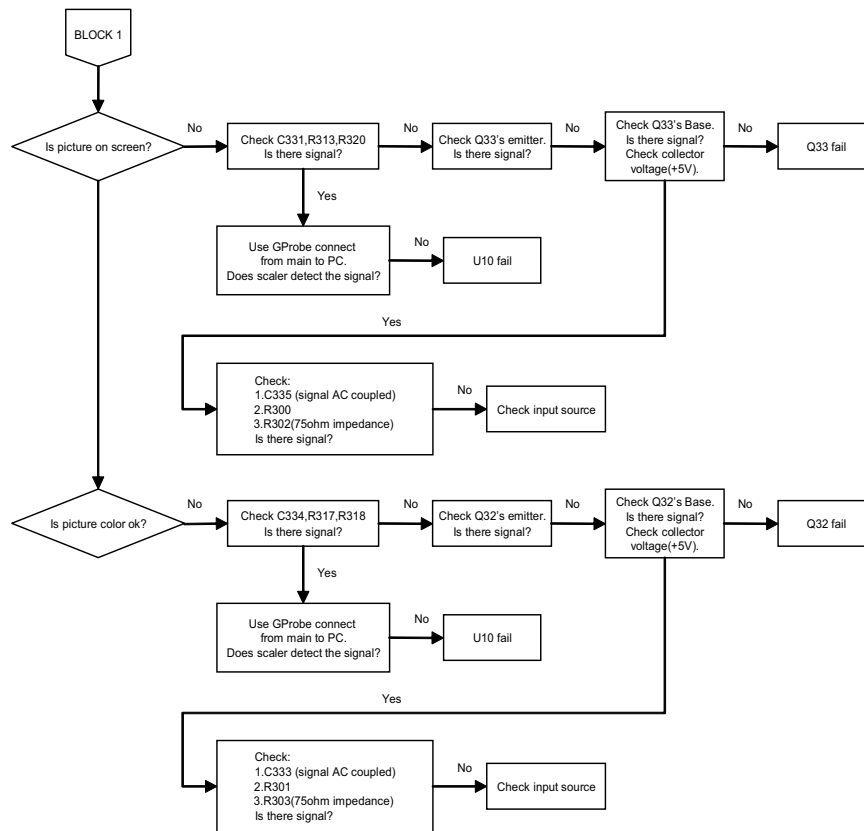
PDP DISPLAY NOTHING(S-VIDEO 1 on PIP mode without screen)



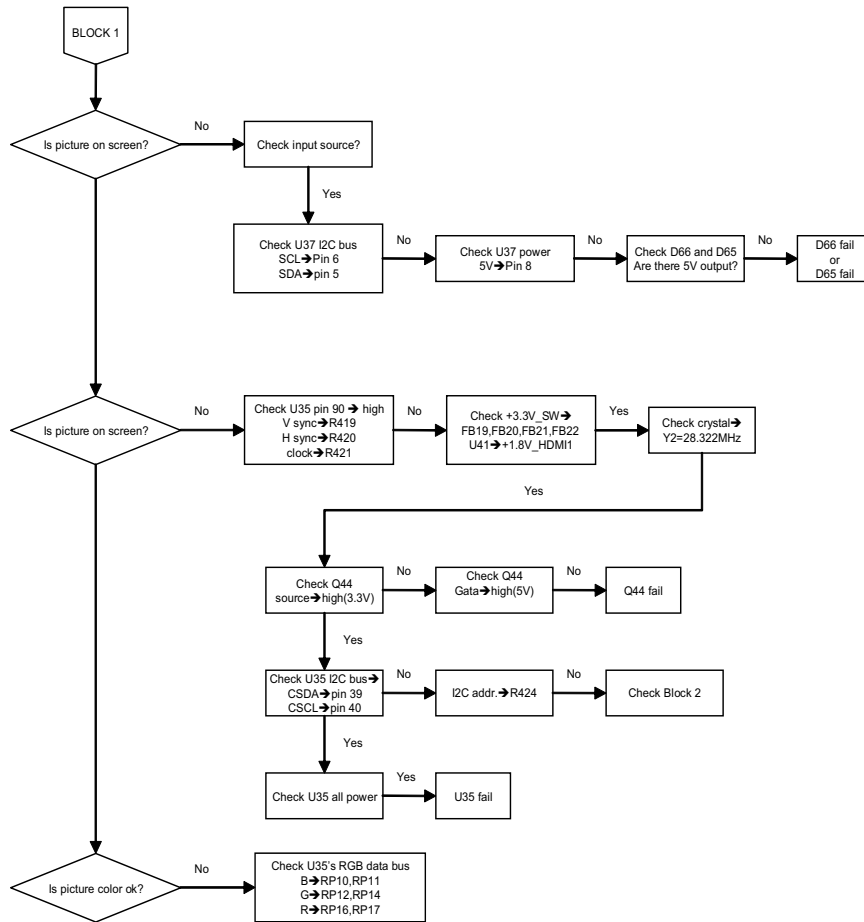
PDP DISPLAY NOTHING(S-VIDEO 2 without screen)



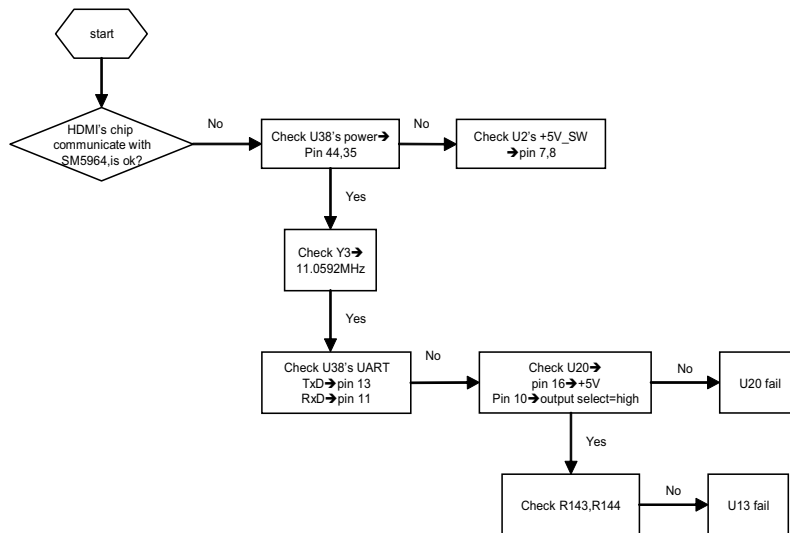
PDP DISPLAY NOTHING(S-VIDEO 2 on PIP mode without screen)



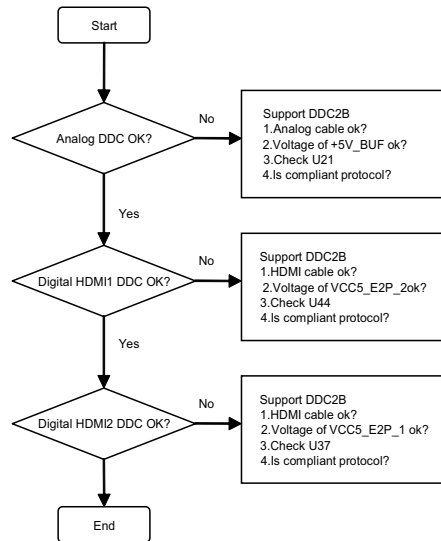
PDP DISPLAY NOTHING(Digital 2 U35 with PORT B without screen)



Block 2

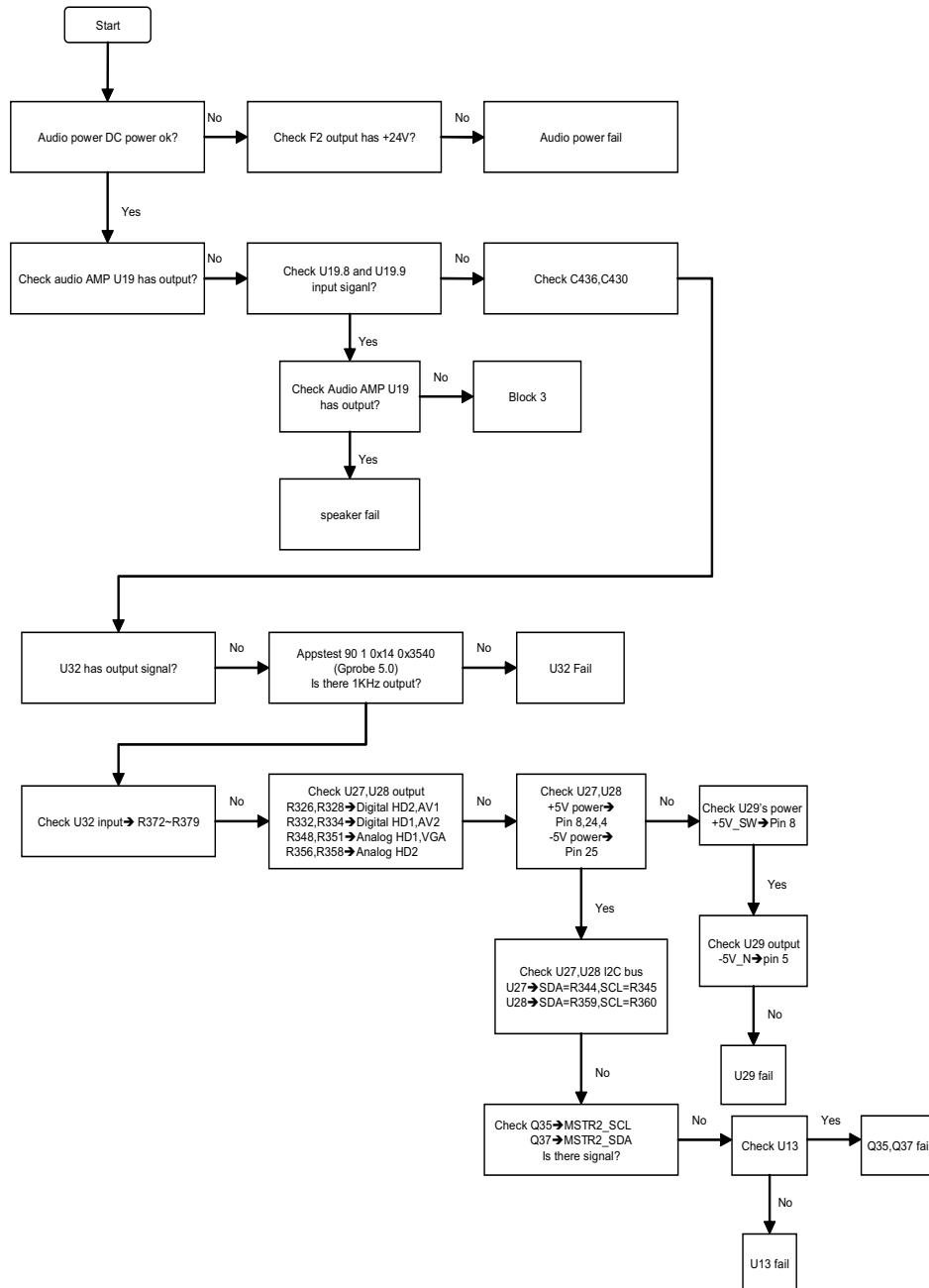


TROUBLE OF DDC READING



PDP NO SOUND

PDP NO SOUND



Chapter 11 Spare Parts List

PART NO	DESCRIPTION	LOC	QTY	REMARK
0160-1001-1620	THERMISTOR TTC3A103F34D2EY 10Kohm 1.14mA	R118	1	
0185-1152-0073	FUSE 125V/1.5A SMD (R45101.5) L-F	F3 , F4	2	
0185-1501-0173	FUSE FAST 32V/0.5A 0603 (0467.500) LF	F5 , F6	2	
0185-1502-0003	FUSE 125V/5A SMD (R451005)	F2	1	
0280-1100-0212	X'TAL 11.0592MHz 49US 30PPM 30PF + Pad 0~70°C	Y3	1	
0280-1800-0052	X'TAL 18.432MHz 49US 30PPM 20PF 40ohm -20~85 °C	Y1	1	
0280-1960-0112	X'TAL 19.6608MHz 49US 30PPM 30PF + Pad 0~70°C	X1, X2	2	
0280-2830-0112	X'TAL 28.322MHz 49US 30PPM 30PF + Pad 0~70°C	Y2, Y4	2	
0304-1000-0110	CONN. HDMI 19P 90° SMD With Flange L-F	CN16, CN17	2	
0320-4000-0160	POWER CORD 2000mm 125V UL/CSA 2P BLK N.M.		1	
0320-4000-0160	POWER CORD 2000mm 125V UL/CSA 2P BLK N.M.		1	
0321-6000-3001	RF CABLE F-F 2500 BLK N.M. CORE*2 (SONY P/N:1-829-		1	
0321-6000-3001	RF CABLE F-F 2500 BLK N.M. CORE*2 (SONY P/N:1-829-		1	
			10	
0370-0000-9452	CHIP BEAD CORE 220ohm (MLB-201209-0220P-N2)	FB19, FB20, FB21, FB22, FB23, FB24, FB25, FB26, FB27, FB28	23	
0370-2022-9120	CHIP COIL 2.2uH 1206	L10,L11, L13, L14, L15,L16,L17,L18, L19, L20 ,L21, L22, L23, L24, L25, L26, L27, L28,L29, L30,L31, L32,L33		
0390-5001-8293	DUAL SURFACE DIODES BAV70 SMD (SOT-23)	D17	1	
0390-5001-9293	DUAL SURFACE DIODES BAV99 SMD (SOT-23)	D21, D23 ,D24	3	
			6	
0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	D12 , D13, D14 , D31, D32 ,D64		
0390-600-14060	SCHOTTKY DIODE SB560 T	D3,D4,D6	3	
0390-6002-8272	SCHOTTKY DIODE 1A 40V SB140	D7, D8	2	
0390-6005-2103	SCHOTTKY DIODE 0.5A/40V MBR0540T SMD L-F	D65 ,D66,D67, D68	4	
0390-6006-2012	SCHOTTKY DIODE 4.71A 40V 31DQ04 T LF	D2	1	
0410-2002-4611	TR PNP 1A 40V PBSS5140T SOT23	Q17,Q21	2	
			9	
0411-0000-5612	TR DIGITAL 100mA 50V DTC144TKA SMT3	Q1,Q13, Q14,Q2, Q3, Q4,Q7,Q8, Q9	8	
0411-3000-3611	TR NPN 0.1A 50V BC847B SOT-23	Q28,Q29, Q30, Q31, Q32 , Q33,Q48, Q50		
0420-1006-4609	MOSFET N-CH 0.1A 50V UPA672T SC-70 LF	Q42 ,Q43,Q45,Q47	4	
0420-2004-8612	MOSFET P-CH 7A 30V SP8J5 SO-8 8PIN L-F	U2, U5	2	
0430-0001-1035	IC MM74HC4052 SMD 16PIN	U20	1	
0430-1004-4009	IC 74LV14D SMD SO14	U45	1	
0430-1004-7035	IC NC7SZ14M5 5PIN SOT-23	UR2	1	
0430-1009-1009	IC 74HCT14D 14PIN SO14 LF	U14	1	
0430-3002-0011	IC AT24C32AN-10SI-2.7 SMD 8PIN	U11 U15	2	
0430-3004-2011	IC AT24C02AN-10SU-2.7 SO-8 L-F	U21,U37,U44	3	
0430-3007-0632	IC Am29LV320DT90-ED 48PIN TSOP LF	XU1	1	

PART NO	DESCRIPTION	LOC	QTY	REMARK
0430-3007-1017	IC 24LC128-I/SN 8PIN SOIC LF	U40	1	
0430-4010-1059	IC PT2308 SMD 8PIN SOIC	U33,U34	2	
0430-4013-3109	IC TDA8946AJ 17PIN DIP LF	U19	1	
0430-5007-5578	IC SM5964C40J 44PIN PLCC	U38	1	
0430-5015-1096	IC SST25VF040 8PIN SOP LF	U12	1	
0430-6001-3207	IC L7808CV TO-220 3PIN	U31	1	
0430-6002-8079	IC AP1117E25LA SOT-223 L-F	U9	1	
0430-6003-5072	IC N2576S-ADJ SMD 5PIN (TO-263)	U6	1	
0430-6005-5004	IC LM1117MPX-1.8 SMD 3PIN (SOT-223)	U39, U41	2	
0430-6006-1079	IC LDO AP1084KLA ADJ TO-263-3L LF	U7, U8	2	
0430-6007-0004	IC LM2576SX-3.3 T0-263 5PIN	U3	1	
0430-7009-1002	IC M61323FP 36PIN TSSOP	U22, U23,U24	3	
0430-7016-1058	IC MAX232A SMD 16PIN	U26	1	
0430-7018-2091	IC F75373S SOP16	U25	1	
0430-7020-6065	IC QS3253 QSOP	U46,U47	2	
04307027-3738	IC SiI9011CLU 128PIN LQFP LF	U35,U42	2	
0430-7030-0004	IC LM2660MMX 8PIN MUA08A LF	U29	1	
0430-7030-1601	IC CS4344-CZZ TSSOP-10 LF	U36,U43	2	
0430-7030-2687	IC MAX4550CAI SSOP 28PIN LF	U27,U28	2	
0430-7030-3035	IC NC7SB3157P6X SC-70 6PIN LF	U18	1	
0430-7030-5962	IC FLI8532-LF-BD 416PIN PBGA LF	U13	1	
0430-7031-9603	IC NT5DS16M16CS-5T 66PIN TSSOP2 LF	U16,U17	2	
0430-7033-4962	IC FLI8125-LF-BC 208PIN PQFP LF	U10	1	
0430-9000-8980	IC MSP4450G-QI-C13-500 PLQF64	U32	1	
0980-0200-2130	MODULE. IR RECEIVER (FM-6038LM-5AN)	UR1	1	
1801-0119-6010	FRONT BEZEL VIZIO P50HDM (PMMA, BLACK) ASS'Y		1	
1925-1000-2610	EPE FOAM-R (PD-50LM)		1	
1925-1000-2620	EPE FOAM-L (PD-50LM)		1	
1925-1100-0230	PE BAG 320*230*0.04T		1	
1925-1100-0280	PE BAG (180W*290L*0.04t)(PE-LD)(ACC.-1)		1	
1925-1100-1980	PE BAG (1500.0*1300.0*1t)(PD-50LM)		1	
1925-1200-7080	ACCESSARY BOX (330W*230D*50H)		1	
1925-1200-7790	CARTON VIZIO P50HDM		1	
1925-1200-7900	CARTON-BOTTOM (PD-50LM)(BLANK)		1	
1925-1300-6770	MANUAL VIZIO P50HDM		1	
1925-1300-6780	Quick Setup Guide VIZIO P50HDM		1	
1925-1300-6960	Brochure VIZIO P50HDM		1	
1925-1400-2710	Register CARD/VIZIO L15		1	
1925-1400-2810	WARRANTY CARD Vinc VIZIO L32		1	
1925-1400-2821	Flyer VIZIO L32,P50HDM		1	
1925-1900-0540	CARTON Joint (AUGUSAT)		4	
1936-1100-7780	BACK LBL VIZIO P50HDM		1	
1936-1400-2470	PRODUCT LBL VIZIO P50HDM		1	
1947-1200-0310	ACETATE CLOTH TAPE (醋酸布膠帶) 27*75mm		14	
1947-1200-2580	BLUE TAPE (18*50mm)(KLV-20SP2)		0.09	
1947-1400-0150	NON-WOVEN FABRICS (100L*7W*0.5H)		4	
1947-1400-0160	NON-WOVEN FABRICS (200L*7W*0.5H)		8	
1947-1500-1670	CUSHION(SPEAKER)(KLV-20SP2)		4	
1947-1500-1680	CUSHION(SPEAKER)(KLV-20SP2)		4	
1947-1500-1720	CUSHION E(35*10*0.5T)(KLV-14SP2)		6	
1947-1500-1740	CUSHION D(40*30*0.5T) (KLV-14SP2)		1	
1947-1500-1761	CUSHION FRONT(20)(TOP)(KLV-20SP2)		2	

PART NO	DESCRIPTION	LOC	QTY	REMARK
1947-1500-1771	CUSHION FRONT(20)(SIDE)(KLV-20SP2)		2	
1947-1500-2150	CUSHION E1(80*15*0.5T)(KLV-20SP2)		3	
1947-1500-2340	PANEL CUSHION-H (LENGTH = 1130mm)(PD-50LM)		2	
1947-1500-2350	PANEL CUSHION-V (LENGTH = 650mm)(PD-50LM)		2	
1947-1800-0790	GASKET BLOCK (100L*10.0W*1.0H)mm		6	
1947-1800-0810	Conductive Fabric Tape (40W*678.6L)mm		2	
1947-1800-0820	Conductive Fabric Tape (40W*1162.6L)mm		2	
1947-1800-0830	GASKET BLOCK (10W*1H*70L)		1	
1947-1800-0860	GASKET BLOCK (17W*21H*120L)mm		2	
1947-1800-0870	GASKET BLOCK (610L*8W*2H)		1	
1947-1900-0030	HEATPATH (25x14mm)		1	
1947-1900-0130	SHEET,RADIATION,8630EG(28*28*1T)(KLV-15SP2)		1	
3850-0012-0150	PDP MAIN BD ASS'Y (PD-50L)		1	
3850-0012-0156	PDP DISPLAY BD ASS'Y (PD-50L)		1	
3850-0012-0189	PDP IR BD ASS'Y (PD-50L)		1	

Chapter 12 Complete Parts List

2850-1233-6107 Plasma monitor 50" VIZIO P50HDM (PMMA, BLACK)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1			3850-0012-0301	PDP BASE ASS'Y PD-50LM (ABS. 5108M)	1
2			3850-0012-0303	PDP CHASSIS ASS'Y VIZIO PD50HDM (PMMA, BLACK)	1
3			3850-0012-0312	PDP PACKING ASS'Y VIZIO P50HDM	1

3850-0012-0301 PDP BASE ASS'Y PD-50LM (ABS, 5108M)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1			1701-0519-1010	BASE COVER (PD-50LM)(ABS, 5108M)	1
2			1701-1000-0450	FOOT(PORON) (20L*15W*1H)	14
3			1712-0100-8310	BASE FRAME (PD-50LM)(SECC T=2.5mm)	2
4			1712-0100-8340	BASE-PLATE (PD-50LM)(SECC T=2mm)	1
5			1712-0100-8350	CORNER-SUPPORT (PD-50LM)(SECC T=2mm)	2
6			1720-0004-0850	MAC. SCREW-MB M4.0*8.0L, BLK-Ni	16
7			1721-3003-0820	TAP. SCREW-TF #M3.0*8.0L, Ni	8

3850-0012-0303 PDP CHASSIS ASS'Y VIZIO PD50HDM (PMMA, BLACK)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1			0213-0500-0261	PDP MODULE 50" PDP50X3 (LG)	1
2			0335-0008-0351	SPEAKER 8ohm 10W BOX 1045mm CORE*1 P302GR	1
3			0335-0008-0451	SPEAKER 8ohm 10W BOX 840mm CORE*1 P302GL	1
4			0460-1004-0320	WH PH4P-EI4P 1007#24 380mm	1
5			0460-2119-0010	WH PH5P+PH12P-EI7P+EI12P 1007#24 480/330mm	1
6			0460-3010-0111	WH 5102110-PH7P+PH4P 995/883mm SHIELDING CORE*3	1
7			0460-4131-0011	WH FI-W31S / FI-W31S 20276 230mm CORE*2	1
8			0973-1200-1051	FAN 12V 1800 rpm 120*120 L=640mm 4P FD121225LB	1
9			0973-1200-2051	FAN 12V 1800 rpm 120*120 L=1150mm FD121225LB	1
10			1701-0416-0010	BUTTON (PD-50LM)(PMMA)	1
11			1701-0800-0980	BKT-SUPPORTOR-TR-BL (PD-50LM)(PC)	2
12			1701-0800-0990	BKT-SUPPORTOR-TL-BR (PD-50LM)(PC)	2
13			1701-0900-1610	PDP Filter 50" 5X10 (FG501PAA-01)(LG)	1
14			1701-0900-1670	MYLAR 72*35*0.4mm	1
15			1701-1500-0450	WIRE SADDLE (CH-01B)	14
16			1701-1500-1080	EDGE SADDLE DS-12 (NYLON)	7
17			1701-1923-4010	SPEAKER NET (PD-50L)(ABS, 877U)	2
18			1701-1923-5010	SPEAKER REAR COVER RIGHT (PD-50L)(ABS, COLOR ?)	1
19			1701-1923-6010	SPEAKER REAR COVER LEFT (PD-50L)(ABS, COLOR ?)	1
20			1712-0100-4590	HEAT SINK FIX MTEAL (TM-30A)	1
21			1712-0100-8230	MAIN FRAME RIGHT (PD-50LM)(SECC T=0.8mm)	1
22			1712-0100-8240	MAIN FRAME LEFT (PD-50LM)(SECC T=0.8mm)	1
23			1712-0100-8250	REAR COVER (PD-50LM)(SECC T=1mm, BLACK)	1
24			1712-0100-8260	I/O BRACKET (PD-50LM)(SECC T=0.8mm, BLACK)	1
25			1712-0100-8270	FILTER BRACKET TOP (PD-50LM)(SECC T=0.8mm)	2
26			1712-0100-8290	FILTER BRACKET RIGHT(PD-50LM)(SECC T=0.8mm)	2
27			1712-0100-8320	PCB SUPPORT (PD-50LM)(SECC T=0.8mm)	1
28			1712-0400-0720	HEAT SINK (PD-42S)	1
29			1712-0500-1570	FILTER CLIP (SPTE = 0.3mm)(PD-50LM)	6
30			1720-0003-0650	MAC. SCREW-MB M3.0*6.0L, BLK-Ni	32
31			1720-0004-0850	MAC. SCREW-MB M4.0*8.0L, BLK-Ni	24
32			1720-0103-0520	MAC. SCREW-MBFW M3.0*5.0L, Ni	3
33			1720-1204-0820	MAC. SCREW-MPGW M4.0*8.0L, Ni	1
34			1720-3003-0850	MAC. SCREW-MF M3.0*8.0L, BLK-Ni	2
35			1720-7344-0820	MAC. SCREW-MHSW #4-40*8.0L, Ni	2
36			1721-0003-0620	TAP. SCREW-TB #3.0*6.0L, Ni	37
37			1721-0004-1050	TAP. SCREW-TP #4.0*10.0L, BLK-Ni	74
38			1721-1005-0850	TAP. SCREW-TB #4.7*8L, BLK-Ni	8
39			1721-4003-0820	SCREW BTCW M3.0*8.0L Ni	3
40			1721-4103-0820	TAP. SCREW-TRF #3.0*8.0L, Ni	6
41			1801-0119-6010	FRONT BEZEL VIZIO P50HDM (PMMA, BLACK) ASS'Y	1
42			1947-1200-0310	ACETATE CLOTH TAPE (醋酸布膠帶) 27*75mm	14

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
43			1947-1200-1560	FILAMENT TAPE (TIBON 25wide)	0.64
44			1947-1400-0150	NON-WOVEN FABRICS (100L*7W*0.5H)	4
45			1947-1400-0160	NON-WOVEN FABRICS (200L*7W*0.5H)	8
46			1947-1500-2340	PANEL CUSHION-H (LENGTH = 1130mm)(PD-50LM)	2
47			1947-1500-2350	PANEL CUSHION-V (LENGTH = 650mm)(PD-50LM)	2
48			1947-1800-0790	GASKET BLOCK (100L*10.0W*1.0H)mm	6
49			1947-1800-0810	Conductive Fabric Tape (40W*678.6L)mm	2
50			1947-1800-0820	Conductive Fabric Tape (40W*1162.6L)mm	2
51			1947-1800-0860	GASKET BLOCK (17W*21H*120L)mm	2
52			1947-1800-0870	GASKET BLOCK (610L*8W*2H)	1
53			1947-1800-0880	GASKET BLOCK (9W*1H*70L)	1
54			1947-1900-0030	HEATPATH (25x14mm)	1
55			3850-0012-0150	PDP MAIN BD ASS'Y (PD-50L)	1
56			3850-0012-0156	PDP DISPLAY BD ASS'Y (PD-50L)	1
57			3850-0012-0189	PDP IR BD ASS'Y (PD-50L)	1

3850-0012-0312 PDP PACKING ASS'Y VIZIO P50HDM

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1			1701-0800-1530	REAR PLATE VIZIO P50HDM	1
2			1701-0800-1540	AC IN PLATE VIZIO P50HDM	1
3			1925-1000-2610	EPE FOAM-R (PD-50LM)	1
4			1925-1000-2620	EPE FOAM-L (PD-50LM)	1
5			1925-1100-1980	PE BAG (1500.0*1300.0*1t)(PD-50LM)	1
6			1925-1200-7790	CARTON VIZIO P50HDM	1
7			1925-1200-7900	CARTON-BOTTOM (PD-50LM)(BLANK)	1
8			1925-1900-0540	CARTON Joint (AUGUSAT)	4
9			1936-1100-7780	BACK LBL VIZIO P50HDM	1
10			1936-1400-2470	PRODUCT LBL VIZIO P50HDM	1
11			3850-0012-0393	PDP ACCESSORY ASS'Y VIZIO PD50HDM	1

3850-0012-0150 PDP MAIN BD ASS'Y (PD-50L)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1			385000120150A	PDP MAIN BD ASS'Y (PD-50L) AI	1
2			385000120150M	PDP MAIN BD ASS'Y (PD-50L) MI	1
3			385000120150S	PDP MAIN BD ASS'Y (PD-50L) SMD	1

3850-0012-0156 PDP DISPLAY BD ASS'Y (PD-50L)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1			0171-1740-1492	PCB DISPLAY BD FR4 180*17*1.6t S (PD-50L.M)	1
2		CD1	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
3		CD2	0111-3104-1616	C/M Multi. 0.1uF 16V X7R 0603	1
4		CD3	0111-3104-1616	C/M Multi. 0.1uF 16V X7R 0603	1
5		LD1	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
6		RD1	0131-7870-0015	RES. MF 787ohm 1/10W F 0603	1
7		RD2	0131-6819-0015	RES. MF 68.1ohm 1/10W F 0603	1
8		RD3	0131-1130-0015	RES. MF 113ohm 1/10W F 0603	1
9		RD4	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
10		RD5	0131-7870-0015	RES. MF 787ohm 1/10W F 0603	1
11		RD6	0131-3749-0015	RES. MF 37.4ohm 1/10W F 0603	1
12		RD7	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
13		RD8	0131-1130-0015	RES. MF 113ohm 1/10W F 0603	1
14		RD9	0131-1130-0015	RES. MF 113ohm 1/10W F 0603	1
15		SWD1	0220-7020-0965	SW TACT 6*6mm 180' 160g SFKHHAM2520	1
16		SWD2	0220-7020-0965	SW TACT 6*6mm 180' 160g SFKHHAM2520	1
17		SWD3	0220-7020-0965	SW TACT 6*6mm 180' 160g SFKHHAM2520	1
18		SWD4	0220-7020-0965	SW TACT 6*6mm 180' 160g SFKHHAM2520	1
19		SWD5	0220-7020-0965	SW TACT 6*6mm 180' 160g SFKHHAM2520	1
20		SWD6	0220-7020-0965	SW TACT 6*6mm 180' 160g SFKHHAM2520	1
21		SWD7	0220-7020-0965	SW TACT 6*6mm 180' 160g SFKHHAM2520	1
22		WD1	0451-2000-0766	WAFER 2.0mm 7P 90' DIP KINK (M24267R) L-F	1
23		ZD1	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
24		ZD2	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
25		ZD3	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
26	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	

3850-0012-0189 PDP IR BD ASS'Y (PD-50L)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1			385000120189M	PDP IR BD ASS'Y (PD-50L) MI	1
2			385000120189S	PDP IR BD ASS'Y (PD-50L) SMD	1

3850-0012-0393 PDP ACCESSORY ASS'Y VIZIO PD50HDM

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1			0320-4000-0142	POWER CORD 110V III /CSA 1800mm BLK N.M. (VINC)	1
2			0321-0000-0411	AV CABLE RCA(Y/W/R) 1800mm BLK (VINC)	1
3			0602-1000-0020	Battery Zn-Carbon 1.5V AA	2
4	SS		0602-3000-0020	Battery Zn-Carbon 1.5V AA	
5			0980-0303-5010	REMOTE CONTROL Vinc VIZIO L32	1
6			1925-1100-0230	PE BAG 320*230*0.04T	2
7			1925-1100-0280	PE BAG (180W*290L*0.04t)(PE-LD)(ACC.-1)	1
8			1925-1200-7080	ACCESSARY BOX (330W*230D*50H)	1
9			1925-1300-6770	MANUAL VIZIO P50HDM	1
10			1925-1300-6780	Quick Setup Guide VIZIO P50HDM	1
11			1925-1300-6960	Brochure VIZIO P50HDM	1
12			1925-1400-2710	Register CARD/VIZIO L15	1
13			1925-1400-2810	WARRANTY CARD Vinc VIZIO L32	1
14			1925-1400-2821	Flyer VIZIO L32,P50HDM	1

3850-0012-0150A PDP MAIN BD ASS'Y (PD-50L) AI

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1		C14	0102-2332-1272	E/C L-L 3300uF 16V 105°C F 12.5*35 (KY LF)	1
2		C153	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
3		C17	0102-2471-1472	E/C L-L 470uF 35V 105°C NF-T 10*20 (KY LF)	1
4		C186	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
5		C188	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
6		C19	0102-2471-1372	E/C L-L 470uF 25V 105°C NF-T 10*16 (KY LF)	1
7		C192	0103-1330-1311	E/C VT 33uF 25V 105°C F-T (5*11mm)	1
8		C195	0102-2102-1372	E/C L-L 1000uF 25V 105°C F 12.5*20 (KY LF)	1
9		C196	0103-1330-1311	E/C VT 33uF 25V 105°C F-T (5*11mm)	1
10		C208	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
11		C21	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
12		C213	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
13		C215	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
14		C22	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
15		C221	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
16		C225	0102-2471-1271	E/C L-L 470uF 16V 105°C F-T 8*15 (KY LF)	1
17		C23	0102-1221-1271	E/C 220uF 16V 105°C 6.3*11 KMG L-F	1
18		C234	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
19		C239	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
20		C242	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
21		C244	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
22		C245	0102-2471-1271	E/C L-L 470uF 16V 105°C F-T 8*15 (KY LF)	1
23		C25	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
24		C253	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
25		C256	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
26		C26	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
27		C263	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
28		C268	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
29		C27	0102-1221-1271	E/C 220uF 16V 105°C 6.3*11 KMG L-F	1
30		C270	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
31		C272	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
32		C273	0102-2471-1271	E/C L-L 470uF 16V 105°C F-T 8*15 (KY LF)	1
33		C276	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
34		C282	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
35		C283	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
36		C289	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
37		C29	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
38		C292	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
39		C297	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
40		C299	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
41		C30	0102-1221-1271	E/C 220uF 16V 105°C 6.3*11 KMG L-F	1
42		C309	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
43		C31	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
44		C315	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
45		C319	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
46		C327	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
47		C333	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
48		C335	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
49		C387	0103-1101-1311	E/C VT 100uF 25V 105°C F-T (6.3*11mm)	1
50		C388	0103-1101-1311	E/C VT 100uF 25V 105°C F-T (6.3*11mm)	1
51		C392	0102-2102-1172	E/C L-L 1000uF 10V 105°C NF-T 10*16 (KY LF)	1
52		C394	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
53		C4	0102-2102-1172	E/C L-L 1000uF 10V 105°C NF-T 10*16 (KY LF)	1
54		C402	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
55		C405	0102-1339-1571	E/C 3.3uF 50V 105°C (5*11) KMG L-F	1
56		C406	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
57		C407	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
58		C410	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
59		C415	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
60		C419	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
61		C428	0103-1101-1311	E/C VT 100uF 25V 105°C F-T (6.3*11mm)	1
62		C430	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
63		C433	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
64		C435	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
65		C436	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
66		C438	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
67		C441	0103-1101-1311	E/C VT 100uF 25V 105°C F-T (6.3*11mm)	1
68		C443	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
69		C444	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
70		C445	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
71		C447	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
72		C496	0102-1339-1571	E/C 3.3uF 50V 105°C (5*11) KMG L-F	1
73		C505	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
74		C507	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
75		C508	0102-1221-1271	E/C 220uF 16V 105°C 6.3*11 KMG L-F	1
76		C509	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
77		C511	0102-1221-1271	E/C 220uF 16V 105°C 6.3*11 KMG L-F	1
78		C512	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
79		C561	0102-1339-1571	E/C 3.3uF 50V 105°C (5*11) KMG L-F	1
80		C577	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
81		C580	0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	1
82		C7	0102-2471-1372	E/C L-L 470uF 25V 105°C NF-T 10*16 (KY LF)	1
83		C9	0102-2102-1172	E/C L-L 1000uF 10V 105°C NF-T 10*16 (KY LF)	1
84		D2	0390-6006-2012	SCHOTTKY DIODE 4.71A 40V 31DQ04 T LF	1
85		D3	0390-6001-4060	SCHOTTKY DIODE SB560 T	1
86		D4	0390-6001-4060	SCHOTTKY DIODE SB560 T	1
87		D6	0390-6001-4060	SCHOTTKY DIODE SB560 T	1
88		D7	0390-6002-8272	SCHOTTKY DIODE 1A 40V SB140	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
89		D8	0390-6002-8272	SCHOTTKY DIODE 1A 40V SB140	1
90		R128	0130-3908-1250	RES. CF 3.9ohm 1/2W J A	1
91		R130	0130-3908-1250	RES. CF 3.9ohm 1/2W J A	1
92		R133	0130-3908-1250	RES. CF 3.9ohm 1/2W J A	1
93		R135	0130-3908-1250	RES. CF 3.9ohm 1/2W J A	1
94	SS		0390-6001-4270	SCHOTTKY DIODE 5A 60V SB560 DO-201AD LF	
95	SS		0390-6001-4270	SCHOTTKY DIODE 5A 60V SB560 DO-201AD LF	
96	SS		0390-6001-4270	SCHOTTKY DIODE 5A 60V SB560 DO-201AD LF	
97	SS		0390-6001-4270	SCHOTTKY DIODE 5A 60V SB560 DO-201AD LF	

3850-0012-0150M PDP MAIN BD ASS'Y (PD-50L) MI

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1		CN1	0451-2000-1206	WAFER 2.0mm 12P 180' DIP KINK (M242612) L-F	1
2		CN12	0451-2500-0416	WAFER 2.5mm 4P 180' DIP KINK (M241854) L-F	1
3		CN13	0451-2500-0316	WAFER 2.5mm 3P 180' DIP KINK (M241853) L-F	1
4		CN2	0451-2000-0406	WAFER 2.0mm 4P 180' DIP KINK (M24264) L-F	1
5		CN3	0451-2000-0506	WAFER 2.0mm 5P 180' DIP KINK (M24265) L-F	1
6		JP2	0290-2510-2019	PIN HEADER 1*2PIN 2.54mm 180' L-F	1
7		JP4	0290-2510-2019	PIN HEADER 1*2PIN 2.54mm 180' L-F	1
8		JP4(1-2)	0300-2250-0027	MINI JUMPER 2.54MM 2P CLOSE	1
9	CS		0300-2250-0024	MINI JUMPER 2.54MM 2P CLOSE	
10		J10	0290-2510-3019	PIN HEADER 1*3PIN 2.54mm 180' L-F	1
11		J10(1-2)	0300-2250-0027	MINI JUMPER 2.54MM 2P CLOSE	1
12	CS		0300-2250-0024	MINI JUMPER 2.54MM 2P CLOSE	
13		J3	0290-2510-3019	PIN HEADER 1*3PIN 2.54mm 180' L-F	1
14		J3(2-3)	0300-2250-0027	MINI JUMPER 2.54MM 2P CLOSE	1
15	CS		0300-2250-0024	MINI JUMPER 2.54MM 2P CLOSE	
16		J4	0290-2510-3019	PIN HEADER 1*3PIN 2.54mm 180' L-F	1
17		J4(1-2)	0300-2250-0027	MINI JUMPER 2.54MM 2P CLOSE	1
18	CS		0300-2250-0024	MINI JUMPER 2.54MM 2P CLOSE	
19		J7	0451-2500-0316	WAFER 2.5mm 3P 180' DIP KINK (M241853) L-F	1
20		J8	0451-2500-0216	WAFER 2.5mm 2P 180' DIP KINK (M241852) L-F	1
21		J9	0290-2510-3019	PIN HEADER 1*3PIN 2.54mm 180' L-F	1
22		J9(1-2)	0300-2250-0027	MINI JUMPER 2.54MM 2P CLOSE	1
23		L12	0361-1000-0360	COIL CHOKE 100uH 3A	1
24		L43	0361-1000-0430	COIL CHOKE 50uH 1A 9*12	1
25		L8	0361-1000-0360	COIL CHOKE 100uH 3A	1
26		R118	0160-1001-1620	THERMISTOR TTC3A103F34D2EY 10Kohm 1.14mA	1
27		SW1	0220-7020-0965	SW TACT 6*6mm 180' 160g SFKHHAM2520	1
28		U19	0430-4013-3109	IC TDA8946AJ 17PIN DIP LF	1
29		U31	0430-6001-3207	IC L7808CV TO-220 3PIN	1
30		W10	0300-3080-0020	S-VIDEO 8P (2MJ-2522U110)	1
31		W11	0302-9040-0010	RCA JACK 2ROW 4I/O 90' (W-R) L-F	1
32		W12	0302-0350-0170	PHONE JACK 3.5 ϕ 9P GREEN	1
33		W13	0302-9040-0020	RCA JACK 2ROW 4I/O 90' (W-W/R-R) L-F	1
34		W14	0302-9030-0037	RCA JACK 2ROW 3I/O (Y-W-R)	1
35		W3	0302-9020-0014	RCA JACK 2ROW 2I/O (R-W)	1
36		W5	0302-0350-0011	PHONE JACK 3.5 ϕ 5PIN 90' +SHIELDING	1
37		W6	0300-1202-3150	D-SUB FEMALE 90' 15P 3ROW (PC99)	1
38		W7	0302-9060-0020	RCA JACK 2ROW 6I/O (G-B-R)	1
39		W8	0202-0000-6002	RJ11 6P6C UNDER CONTACT	1
40		X1	0280-1960-0112	X'TAL 19.6608MHz 49US 30PPM 30PF + Pad 0~70°C	1
41		X2	0280-1960-0112	X'TAL 19.6608MHz 49US 30PPM 30PF + Pad 0~70°C	1
42		Y1	0280-1800-0052	X'TAL 18.432MHz 49US 30PPM 20PF 40ohm -20~85 °C	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
43		Y2	0280-2830-0112	X*TAL 28.322MHz 49US 30PPM 30PF + Pad 0~70°C	1
44		Y3	0280-1100-0212	X*TAL 11.0592MHz 49US 30PPM 30PF + Pad 0~70°C	1
45		Y4	0280-2830-0112	X*TAL 28.322MHz 49US 30PPM 30PF + Pad 0~70°C	1
46	CS		0300-2250-0024	MINI JUMPER 2.54MM 2P CLOSE	
47	SS		0220-7020-0981	SW TACT 6*6mm 180° 160g TSAB-2	
48	SS		0302-0350-0240	PHONE JACK 3.5 φ 9P 90° GREEN (HSJ3000-01-012)(LF)	

3850-0012-0150S PDP MAIN BD ASS'Y (PD-50L) SMD

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1			0171-2242-1882	PCB MAIN BD FR4 321*160mm*1.6t 4M (PD-50L.M)	1
2		CN16	0304-1000-0110	CONN. HDMI 19P 90° SMD With Flange L-F	1
3		CN17	0304-1000-0110	CONN. HDMI 19P 90° SMD With Flange L-F	1
4		CN5	0302-4000-0100	WIRE TO BOARD CONN. 10P SMD (SD-53261-1090)	1
5		C10	0111-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	1
6	SS		0112-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	
7		C100	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
8	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
9		C101	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
10		C102	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
11	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
12		C103	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
13		C104	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
14		C105	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
15	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
16		C106	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
17		C107	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
18	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
19		C108	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
20	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
21		C109	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
22		C110	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
23		C111	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
24		C112	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
25		C113	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
26		C114	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
27		C115	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
28		C116	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
29		C117	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
30		C118	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
31		C119	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
32		C120	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
33		C121	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
34		C122	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
35	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
36		C123	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
37		C124	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
38		C125	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
39		C126	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
40		C127	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
41		C128	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
42	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
43		C129	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
44		C130	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
45	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
46		C131	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
47		C132	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
48		C133	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
49		C134	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
50	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
51		C135	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
52		C136	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
53		C137	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
54		C138	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
55	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
56		C139	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
57		C140	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
58		C141	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
59		C142	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
60		C143	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
61	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
62		C144	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
63		C145	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
64		C146	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
65	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
66		C147	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
67		C148	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
68		C149	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
69		C150	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
70		C151	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
71		C152	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
72		C154	0111-3330-5107	C/M Multi. 33PF 50V NPO 0402	1
73		C155	0111-3330-5107	C/M Multi. 33PF 50V NPO 0402	1
74		C156	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
75		C157	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
76		C158	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
77		C159	0111-3101-5107	C/M Multi. 100PF 50V NPO J 0402	1
78	SS		0112-3101-5107	C/M Multi. 100PF 50V NPO J 0402	
79		C160	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
80	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
81		C161	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
82		C162	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
83	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
84		C163	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
85	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
86		C164	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
87		C165	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
88		C166	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
89		C167	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
90		C168	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
91		C169	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
92		C170	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
93		C171	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
94		C172	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
95		C173	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
96		C174	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
97		C175	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
98		C176	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
99		C177	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
100		C178	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
101		C179	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
102		C18	0111-3104-5116	C/M MULTI 0.1uF 50V X7R 0603	1
103		C180	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
104		C181	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
105		C182	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
106		C183	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
107		C184	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
108		C185	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
109		C187	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
110		C189	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
111		C190	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
112		C191	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
113		C193	0111-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	1
114	SS		0112-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	
115		C197	0111-3224-1615	C/M MULTI 0.22uF 16V X7R 0805	1
116	SS		0112-3224-1615	C/M Multi. 0.22uF 16V X7R 0805	
117		C198	0111-3472-5117	C/M Multi. 4700PF 50V X7R K 0402	1
118		C199	0111-3224-1615	C/M MULTI 0.22uF 16V X7R 0805	1
119	SS		0112-3224-1615	C/M Multi. 0.22uF 16V X7R 0805	
120		C20	0111-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	1
121	SS		0112-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	
122		C200	0111-3224-1615	C/M MULTI 0.22uF 16V X7R 0805	1
123	SS		0112-3224-1615	C/M Multi. 0.22uF 16V X7R 0805	
124		C201	0111-3224-1615	C/M MULTI 0.22uF 16V X7R 0805	1
125	SS		0112-3224-1615	C/M Multi. 0.22uF 16V X7R 0805	
126		C202	0111-3472-5117	C/M Multi. 4700PF 50V X7R K 0402	1
127		C203	0111-3224-1615	C/M MULTI 0.22uF 16V X7R 0805	1
128	SS		0112-3224-1615	C/M Multi. 0.22uF 16V X7R 0805	
129		C204	0111-3224-1615	C/M MULTI 0.22uF 16V X7R 0805	1
130	SS		0112-3224-1615	C/M Multi. 0.22uF 16V X7R 0805	
131		C205	0111-3224-1615	C/M MULTI 0.22uF 16V X7R 0805	1
132	SS		0112-3224-1615	C/M Multi. 0.22uF 16V X7R 0805	
133		C206	0111-3224-1615	C/M MULTI 0.22uF 16V X7R 0805	1
134	SS		0112-3224-1615	C/M Multi. 0.22uF 16V X7R 0805	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
135		C209	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
136		C210	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
137		C211	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
138		C212	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
139	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
140		C214	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
141		C216	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
142		C217	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
143	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
144		C218	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
145		C219	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
146		C220	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
147		C224	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
148	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
149		C226	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
150		C227	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
151		C228	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
152	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
153		C229	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
154		C230	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
155		C231	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
156		C232	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
157		C233	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
158		C235	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
159		C236	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
160	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
161		C237	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
162		C238	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
163		C24	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
164		C240	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
165		C241	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
166	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
167		C243	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
168	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
169		C246	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
170		C247	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
171		C248	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
172	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
173		C249	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
174		C250	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
175		C251	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
176	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
177		C252	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
178		C254	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
179		C255	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
180		C257	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
181	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
182		C258	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
183		C259	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
184		C260	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
185		C261	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
186	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
187		C262	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
188		C264	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
189		C265	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
190	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
191		C266	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
192		C267	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
193		C269	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
194	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
195		C271	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
196	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
197		C274	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
198		C275	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
199		C277	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
200	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
201		C278	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
202		C279	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
203		C28	0111-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	1
204	SS		0112-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	
205		C280	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
206	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
207		C281	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
208	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
209		C284	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
210		C285	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
211	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
212		C286	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
213	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
214		C287	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
215		C288	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
216		C290	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
217	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
218		C291	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
219		C293	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
220		C294	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
221	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
222		C295	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
223	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
224		C296	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
225		C298	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
226		C300	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
227		C302	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
228		C303	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
229		C304	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
230		C305	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
231		C307	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
232		C308	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
233		C310	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
234		C312	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
235		C314	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
236		C316	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
237		C317	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
238		C318	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
239		C32	0111-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	1
240	SS		0112-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	
241		C320	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
242		C323	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
243		C326	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
244		C328	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
245		C329	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
246		C33	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
247	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
248		C330	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
249		C331	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
250		C332	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
251		C334	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
252		C336	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
253		C337	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
254		C338	0111-3475-2514	C/M Multi. 4.7uF 25V X7R 1206	1
255	SS		0112-3475-2514	C/M MULTI 4.7UF 25V X7R 1206	
256		C339	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
257		C34	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
258	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
259		C342	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
260		C345	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
261		C346	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
262		C347	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
263		C348	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
264		C349	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
265		C35	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
266		C350	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
267		C353	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
268		C356	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
269		C357	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
270		C358	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
271		C359	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
272		C36	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
273		C360	0111-3475-2514	C/M Multi. 4.7uF 25V X7R 1206	1
274	SS		0112-3475-2514	C/M MULTI 4.7UF 25V X7R 1206	
275		C361	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
276		C362	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
277		C363	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
278		C364	0111-3475-2514	C/M Multi. 4.7uF 25V X7R 1206	1
279	SS		0112-3475-2514	C/M MULTI 4.7UF 25V X7R 1206	
280		C365	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
281		C37	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
282		C370	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
283		C371	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
284		C372	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
285		C373	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
286		C374	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
287		C377	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
288		C378	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
289		C38	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
290		C381	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
291		C382	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
292		C383	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
293		C384	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
294		C385	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
295		C386	0111-3475-2514	C/M Multi. 4.7uF 25V X7R 1206	1
296	SS		0112-3475-2514	C/M MULTI 4.7UF 25V X7R 1206	
297		C389	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
298		C39	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
299		C390	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
300		C391	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
301		C393	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
302		C395	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
303		C396	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
304		C397	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
305		C398	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
306		C399	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
307		C40	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
308		C400	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
309	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
310		C401	0111-3101-5107	C/M Multi. 100PF 50V NPO J 0402	1
311	SS		0112-3101-5107	C/M Multi. 100PF 50V NPO J 0402	
312		C403	0111-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	1
313	SS		0112-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	
314		C404	0111-3101-5107	C/M Multi. 100PF 50V NPO J 0402	1
315	SS		0112-3101-5107	C/M Multi. 100PF 50V NPO J 0402	
316		C408	0111-3152-5117	C/M Multi. 1500PF 50V X7R 0402	1
317		C409	0112-3471-5107	C/M Multi. 470pF 50V NPO J 0402	1
318	SS		0111-3471-5107	C/M Multi. 470pF 50V NPO J 0402	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
319		C41	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
320		C413	0112-3471-5107	C/M Multi. 470pF 50V NPO J 0402	1
321	SS		0111-3471-5107	C/M Multi. 470pF 50V NPO J 0402	
322		C414	0111-3152-5117	C/M Multi. 1500PF 50V X7R 0402	1
323		C416	0111-3101-5107	C/M Multi. 100PF 50V NPO J 0402	1
324	SS		0112-3101-5107	C/M Multi. 100PF 50V NPO J 0402	
325		C417	0111-3560-5107	C/M Multi. 56PF 50V NPO J 0402	1
326		C418	0111-3560-5107	C/M Multi. 56PF 50V NPO J 0402	1
327		C42	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
328		C420	0111-3560-5107	C/M Multi. 56PF 50V NPO J 0402	1
329		C421	0111-3209-5107	C/M Multi. 2PF 50V NPO J 0402	1
330		C422	0111-3209-5107	C/M Multi. 2PF 50V NPO J 0402	1
331		C423	0111-3102-2517	C/M Multi. 1000PF 25V X7R K 0402	1
332		C424	0111-3102-2517	C/M Multi. 1000PF 25V X7R K 0402	1
333		C425	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
334		C426	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
335		C427	0111-3473-5137	C/M Multi. 0.047UF 50V Y5V Z 0402	1
336		C429	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
337		C43	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
338		C431	0111-3152-5117	C/M Multi. 1500PF 50V X7R 0402	1
339		C432	0112-3471-5107	C/M Multi. 470pF 50V NPO J 0402	1
340	SS		0111-3471-5107	C/M Multi. 470pF 50V NPO J 0402	
341		C434	0111-3221-5107	C/M MULTI 220PF 50V NPO 0402	1
342	SS		0112-3221-5107	C/M MULTI 220pF 50V NPO 0402	
343		C437	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
344	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
345		C439	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
346	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
347		C44	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
348		C440	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
349	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
350		C442	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
351		C446	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
352	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
353		C448	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
354	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
355		C449	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
356	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
357		C45	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
358		C450	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
359	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
360		C451	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
361	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
362		C452	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
363	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
364		C453	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
365	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
366		C454	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
367	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
368		C455	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
369	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
370		C456	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
371		C457	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
372		C458	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
373		C459	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
374		C46	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
375		C460	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
376	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
377		C461	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
378	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
379		C462	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
380		C463	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
381		C464	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
382	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
383		C465	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
384	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
385		C466	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
386	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
387		C467	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
388	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
389		C468	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
390	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
391		C469	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
392		C47	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
393		C470	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
394	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
395		C471	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
396	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
397		C472	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
398	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
399		C473	0111-3105-5114	C/M Multi. 1uF 50V X7R K 1206	1
400	SS		0112-3105-5114	C/M Multi. 1UF 50V X7R 1206	
401		C474	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
402		C475	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
403	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
404		C476	0111-3105-5114	C/M Multi. 1uF 50V X7R K 1206	1
405	SS		0112-3105-5114	C/M Multi. 1UF 50V X7R 1206	
406		C477	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
407		C478	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
408	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
409		C479	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
410		C48	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
411		C480	0111-3180-5107	C/M Multi. 18PF 50V NPO 0402	1
412	SS		0112-3180-5107	C/M Multi. 18PF 50V NPO 0402	
413		C481	0111-3180-5107	C/M Multi. 18PF 50V NPO 0402	1
414	SS		0112-3180-5107	C/M Multi. 18PF 50V NPO 0402	
415		C482	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
416	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
417		C483	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
418	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
419		C484	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
420	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
421		C485	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
422	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
423		C486	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
424	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
425		C487	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
426	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
427		C488	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
428		C489	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
429		C49	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
430		C490	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
431		C491	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
432		C492	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
433	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
434		C493	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
435		C494	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
436		C495	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
437	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
438		C497	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
439		C498	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
440	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
441		C5	0111-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	1
442	SS		0112-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	
443		C50	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
444	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
445		C503	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
446	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
447		C504	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
448		C506	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
449	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
450		C51	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
451		C510	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
452		C513	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
453		C514	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
454	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
455		C515	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
456	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
457		C516	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
458	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
459		C517	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
460	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
461		C518	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
462	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
463		C519	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
464	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
465		C52	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
466		C520	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
467	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
468		C521	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
469	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
470		C522	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
471		C523	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
472		C524	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
473		C525	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
474		C526	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
475	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
476		C527	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
477	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
478		C528	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
479		C529	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
480		C53	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
481		C530	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
482	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
483		C531	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
484	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
485		C532	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
486	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
487		C533	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
488	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
489		C534	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
490	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
491		C535	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
492		C536	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
493	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
494		C537	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
495	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
496		C538	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
497	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
498		C539	0111-3105-5114	C/M Multi. 1uF 50V X7R K 1206	1
499	SS		0112-3105-5114	C/M Multi. 1UF 50V X7R 1206	
500		C54	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
501		C540	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
502		C541	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
503	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
504		C542	0111-3105-5114	C/M Multi. 1uF 50V X7R K 1206	1
505	SS		0112-3105-5114	C/M Multi. 1UF 50V X7R 1206	
506		C543	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
507		C544	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
508	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
509		C545	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
510		C546	0111-3180-5107	C/M Multi. 18PF 50V NPO 0402	1
511	SS		0112-3180-5107	C/M Multi. 18PF 50V NPO 0402	
512		C547	0111-3180-5107	C/M Multi. 18PF 50V NPO 0402	1
513	SS		0112-3180-5107	C/M Multi. 18PF 50V NPO 0402	
514		C548	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
515	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
516		C549	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
517	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
518		C55	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
519		C550	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
520	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
521		C551	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
522	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
523		C552	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
524	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
525		C553	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
526	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
527		C554	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
528		C555	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
529		C556	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
530		C557	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
531		C558	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
532	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
533		C559	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
534		C56	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
535		C560	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
536	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
537		C562	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
538		C563	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
539	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
540		C564	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
541		C569	0111-3101-5107	C/M Multi. 100PF 50V NPO J 0402	1
542	SS		0112-3101-5107	C/M Multi. 100PF 50V NPO J 0402	
543		C57	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
544		C576	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
545		C578	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
546		C579	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
547		C58	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
548		C581	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
549		C583	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
550		C589	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
551		C59	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
552		C590	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
553		C591	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
554		C592	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
555		C593	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
556		C594	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
557		C595	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
558		C596	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
559		C597	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
560		C60	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
561		C61	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
562		C62	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
563		C63	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
564		C64	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
565		C65	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
566		C66	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
567		C67	0111-3330-5107	C/M Multi. 33PF 50V NPO 0402	1
568		C68	0111-3330-5107	C/M Multi. 33PF 50V NPO 0402	1
569		C69	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
570		C70	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
571		C71	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
572	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
573		C72	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
574	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
575		C73	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
576		C74	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
577		C75	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
578		C76	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
579		C77	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
580		C78	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
581		C79	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
582		C8	0111-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	1
583	SS		0112-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	
584		C80	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
585		C81	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
586		C82	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
587		C83	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
588		C84	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
589		C85	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
590		C86	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
591		C87	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
592		C88	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
593		C89	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
594		C90	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
595	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
596		C91	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
597	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
598		C92	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
599		C93	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
600		C94	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
601		C95	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
602		C96	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
603		C97	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
604		C98	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
605	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
606		C99	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
607		D10	0440-2000-0030	LED KA-3528SGT 3.5*2.8MM GRN XPARENT SMD	1
608		D11	0440-2000-0030	LED KA-3528SGT 3.5*2.8MM GRN XPARENT SMD	1
609		D12	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
610		D13	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
611		D14	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
612		D15	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
613		D16	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
614		D17	0390-5001-8293	DUAL SURFACE DIODES BAV70 SMD (SOT-23)	1
615		D18	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
616		D19	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
617		D20	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
618		D21	0390-5001-9293	DUAL SURFACE DIODES BAV99 SMD (SOT-23)	1
619	SS		0390-5001-9133	DUAL SURFACE DIODE BAV99 SMD (SOT-23)	
620		D22	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
621		D23	0390-5001-9293	DUAL SURFACE DIODES BAV99 SMD (SOT-23)	1
622	SS		0390-5001-9133	DUAL SURFACE DIODE BAV99 SMD (SOT-23)	
623		D24	0390-5001-9293	DUAL SURFACE DIODES BAV99 SMD (SOT-23)	1
624	SS		0390-5001-9133	DUAL SURFACE DIODE BAV99 SMD (SOT-23)	
625		D25	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
626		D26	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
627		D27	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
628		D28	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
629		D29	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
630		D30	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
631		D31	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
632		D32	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
633		D35	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
634		D36	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
635		D37	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
636		D38	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
637		D39	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
638		D40	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
639		D41	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
640		D42	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
641		D43	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
642		D44	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
643		D45	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
644		D46	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
645		D47	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
646		D48	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
647		D49	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
648		D50	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
649		D51	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
650		D55	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
651		D56	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
652		D57	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
653		D58	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
654		D62	0440-2000-0030	LED KA-3528SGT 3.5*2.8MM GRN XPARENT SMD	1
655		D63	0440-2000-0030	LED KA-3528SGT 3.5*2.8MM GRN XPARENT SMD	1
656		D64	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
657		D65	0390-6005-2103	SCHOTTKY DIODE 0.5A/40V MBR0540T SMD L-F	1
658		D66	0390-6005-2103	SCHOTTKY DIODE 0.5A/40V MBR0540T SMD L-F	1
659		D67	0390-6005-2103	SCHOTTKY DIODE 0.5A/40V MBR0540T SMD L-F	1
660		D68	0390-6005-2103	SCHOTTKY DIODE 0.5A/40V MBR0540T SMD L-F	1
661		D9	0440-2000-0030	LED KA-3528SGT 3.5*2.8MM GRN XPARENT SMD	1
662		FB1	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
663		FB10	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
664		FB11	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
665		FB12	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
666		FB13	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
667		FB14	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
668		FB15	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
669		FB16	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
670		FB17	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
671		FB18	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
672		FB19	0370-0000-9452	CHIP BEAD CORE 220ohm (MLB-201209-0220P-N2)	1
673		FB2	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
674		FB20	0370-0000-9452	CHIP BEAD CORE 220ohm (MLB-201209-0220P-N2)	1
675		FB21	0370-0000-9452	CHIP BEAD CORE 220ohm (MLB-201209-0220P-N2)	1
676		FB22	0370-0000-9452	CHIP BEAD CORE 220ohm (MLB-201209-0220P-N2)	1
677		FB23	0370-0000-9452	CHIP BEAD CORE 220ohm (MLB-201209-0220P-N2)	1
678		FB24	0370-0000-9452	CHIP BEAD CORE 220ohm (MLB-201209-0220P-N2)	1
679		FB25	0370-0000-9452	CHIP BEAD CORE 220ohm (MLB-201209-0220P-N2)	1
680		FB26	0370-0000-9452	CHIP BEAD CORE 220ohm (MLB-201209-0220P-N2)	1
681		FB27	0370-0000-9452	CHIP BEAD CORE 220ohm (MLB-201209-0220P-N2)	1
682		FB28	0370-0000-9452	CHIP BEAD CORE 220ohm (MLB-201209-0220P-N2)	1
683		FB29	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
684		FB3	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
685		FB30	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
686		FB31	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
687		FB32	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
688		FB4	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
689		FB5	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
690		FB6	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
691		FB7	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
692		FB8	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
693		FB9	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
694		F2	0185-1502-0003	FUSE 125V/5A SMD (R451005)	1
695		F3	0185-1152-0073	FUSE 125V/1.5A SMD (R45101.5) L-F	1
696		F4	0185-1152-0073	FUSE 125V/1.5A SMD (R45101.5) L-F	1
697		F5	0185-1501-0173	FUSE FAST 32V/0.5A 0603 (0467.500) LF	1
698		F6	0185-1501-0173	FUSE FAST 32V/0.5A 0603 (0467.500) LF	1
699		L10	0370-2022-9120	CHIP COIL 2.2uH 1206	1
700		L11	0370-2022-9120	CHIP COIL 2.2uH 1206	1
701		L13	0370-2022-9120	CHIP COIL 2.2uH 1206	1
702		L14	0370-2022-9120	CHIP COIL 2.2uH 1206	1
703		L15	0370-2022-9120	CHIP COIL 2.2uH 1206	1
704		L16	0370-2022-9120	CHIP COIL 2.2uH 1206	1
705		L17	0370-2022-9120	CHIP COIL 2.2uH 1206	1
706		L18	0370-2022-9120	CHIP COIL 2.2uH 1206	1
707		L19	0370-2022-9120	CHIP COIL 2.2uH 1206	1
708		L20	0370-2022-9120	CHIP COIL 2.2uH 1206	1
709		L21	0370-2022-9120	CHIP COIL 2.2uH 1206	1
710		L22	0370-2022-9120	CHIP COIL 2.2uH 1206	1
711		L23	0370-2022-9120	CHIP COIL 2.2uH 1206	1
712		L24	0370-2022-9120	CHIP COIL 2.2uH 1206	1
713		L25	0370-2022-9120	CHIP COIL 2.2uH 1206	1
714		L26	0370-2022-9120	CHIP COIL 2.2uH 1206	1
715		L27	0370-2022-9120	CHIP COIL 2.2uH 1206	1
716		L28	0370-2022-9120	CHIP COIL 2.2uH 1206	1
717		L29	0370-2022-9120	CHIP COIL 2.2uH 1206	1
718		L30	0370-2022-9120	CHIP COIL 2.2uH 1206	1
719		L31	0370-2022-9120	CHIP COIL 2.2uH 1206	1
720		L32	0370-2022-9120	CHIP COIL 2.2uH 1206	1
721		L33	0370-2022-9120	CHIP COIL 2.2uH 1206	1
722		L34	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
723		L35	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
724		L36	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
725		L37	0130-3908-1859	RES. CF 3.9ohm 1/8W J 1206	1
726		L38	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
727		L39	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
728		L40	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
729		L41	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
730		L42	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
731		L45	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
732		L46	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
733		I.47	0370-0000-6452	CHIP BEAD CORE 80ohm (MI.B-201209-0080A-N2)	1
734		Q1	0411-0000-5612	TR DIGITAL 100mA 50V DTC144TKA SMT3	1
735		Q10	0410-5000-2610	TRANSISTOR MMBT3906LT1 SMD	1
736	CS		0410-5000-2604	TRANSISTOR MMBT3906 SMD (SOT-23)	
737	SS		0410-5000-2611	TRANSISTOR PMBS3906 SMD T	
738	SS		0410-5000-2628	TRANSISTOR MMBT3906 SMD (SOT-23)	
739		Q11	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
740		Q12	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
741		Q13	0411-0000-5612	TR DIGITAL 100mA 50V DTC144TKA SMT3	1
742		Q14	0411-0000-5612	TR DIGITAL 100mA 50V DTC144TKA SMT3	1
743		Q15	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
744		Q16	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
745		Q17	0410-2002-4611	TR PNP 1A 40V PBSS5140T SOT23	1
746		Q19	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
747		Q2	0411-0000-5612	TR DIGITAL 100mA 50V DTC144TKA SMT3	1
748		Q20	0410-5000-1610	TRANSISTOR MMBT3904LT1 SMD T	1
749	CS		0410-5000-1604	TRANSISTOR 2N3904 SMD T	
750	SS		0410-5000-1611	TRANSISTOR PMBS3904 SMD T	
751	SS		0410-5000-1628	TRANSISTOR MMBT3904LT1 SMD SOT-23 T	
752		Q21	0410-2002-4611	TR PNP 1A 40V PBSS5140T SOT23	1
753		Q22	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
754		Q28	0411-3000-3611	TR NPN 0.1A 50V BC847B SOT-23	1
755		Q29	0411-3000-3611	TR NPN 0.1A 50V BC847B SOT-23	1
756		Q3	0411-0000-5612	TR DIGITAL 100mA 50V DTC144TKA SMT3	1
757		Q30	0411-3000-3611	TR NPN 0.1A 50V BC847B SOT-23	1
758		Q31	0411-3000-3611	TR NPN 0.1A 50V BC847B SOT-23	1
759		Q32	0411-3000-3611	TR NPN 0.1A 50V BC847B SOT-23	1
760		Q33	0411-3000-3611	TR NPN 0.1A 50V BC847B SOT-23	1
761		Q34	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
762		Q35	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
763		Q36	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
764		Q37	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
765		Q4	0411-0000-5612	TR DIGITAL 100mA 50V DTC144TKA SMT3	1
766		Q40	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
767		Q41	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
768		Q42	0420-1006-4609	MOSFET N-CH 0.1A 50V UPA672T SC-70 LF	1
769	SS		0420-1006-9621	MOSFET N-CH 20V 0.66A Si1902DL SOT-363 LF	
770		Q43	0420-1006-4609	MOSFET N-CH 0.1A 50V UPA672T SC-70 LF	1
771	SS		0420-1006-9621	MOSFET N-CH 20V 0.66A Si1902DL SOT-363 LF	
772		Q44	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
773		Q45	0420-1006-4609	MOSFET N-CH 0.1A 50V UPA672T SC-70 LF	1
774	SS		0420-1006-9621	MOSFET N-CH 20V 0.66A Si1902DL SOT-363 LF	
775		Q46	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
776		Q47	0420-1006-4609	MOSFET N-CH 0.1A 50V UPA672T SC-70 LF	1
777	SS		0420-1006-9621	MOSFET N-CH 20V 0.66A Si1902DL SOT-363 LF	
778		Q48	0411-3000-3611	TR NPN 0.1A 50V BC847B SOT-23	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
779		Q49	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
780		Q5	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
781		Q50	0411-3000-3611	TR NPN 0.1A 50V BC847B SOT-23	1
782		Q51	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
783		Q6	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
784		Q7	0411-0000-5612	TR DIGITAL 100mA 50V DTC144TKA SMT3	1
785		Q8	0411-0000-5612	TR DIGITAL 100mA 50V DTC144TKA SMT3	1
786		Q9	0411-0000-5612	TR DIGITAL 100mA 50V DTC144TKA SMT3	1
787		RN1	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
788		RN10	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
789		RN12	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
790		RN14	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
791		RN15	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
792		RN16	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
793		RN17	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
794		RN19	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
795		RN2	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
796		RN20	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
797		RN3	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
798		RN4	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
799		RN7	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
800		RP1	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
801		RP10	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
802		RP11	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
803		RP12	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
804		RP13	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
805		RP14	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
806		RP15	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
807		RP16	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
808		RP17	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
809		RP2	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
810		RP21	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
811		RP22	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
812		RP23	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
813		RP24	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
814		RP25	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
815		RP26	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
816		RP27	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
817		RP28	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
818		RP3	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
819		RP4	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
820		RP5	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
821		RP6	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
822		RV1	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
823		RV10	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
824		RV11	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
825		RV12	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
826		RV13	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
827		RV14	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
828		RV15	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
829		RV16	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
830		RV17	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
831		RV18	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
832		RV19	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
833		RV2	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
834		RV20	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
835		RV21	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
836		RV22	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
837		RV23	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
838		RV24	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
839		RV3	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
840		RV4	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
841		RV5	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
842		RV6	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
843		RV7	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
844		RV8	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
845		RV9	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
846		R1	0130-0000-1859	RES. CF 0.0ohm 1/4W J 1206	1
847		R10	0130-4702-0055	RES. CF 47Kohm 1/10W J 0603	1
848		R100	0131-5769-1614	RES. MF 57.6 ohm 1/16W F 0402	1
849		R101	0131-5769-1614	RES. MF 57.6 ohm 1/16W F 0402	1
850		R102	0131-5769-1614	RES. MF 57.6 ohm 1/16W F 0402	1
851		R103	0131-5769-1614	RES. MF 57.6 ohm 1/16W F 0402	1
852		R104	0131-5769-1614	RES. MF 57.6 ohm 1/16W F 0402	1
853		R105	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
854		R106	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
855		R107	0131-2800-1614	RES. MF 280 ohm 1/16W F 0402	1
856		R108	0131-2800-1614	RES. MF 280 ohm 1/16W F 0402	1
857		R109	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
858		R111	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
859		R112	0130-2700-0055	RES. CF 270ohm 1/10W J 0603	1
860		R113	0130-1200-0055	RES. CF 120ohm 1/10W J 0603	1
861		R114	0130-2700-0055	RES. CF 270ohm 1/10W J 0603	1
862		R115	0130-1200-0055	RES. CF 120ohm 1/10W J 0603	1
863		R117	0131-1002-1614	RES. MF 10Kohm 1/16W F 0402	1
864		R121	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
865		R122	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
866		R123	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
867		R124	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
868		R125	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
869		R126	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
870		R127	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
871		R129	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
872		R131	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
873		R132	0130-2701-1654	RES. CF 2.7Kohm 1/16W J 0402	1
874		R134	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
875		R136	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
876		R137	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
877		R138	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
878		R139	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
879		R140	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
880		R141	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
881		R142	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
882		R143	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
883		R144	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
884		R145	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
885		R146	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
886		R147	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
887		R148	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
888		R149	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
889		R15	0130-4702-0055	RES. CF 47Kohm 1/10W J 0603	1
890		R150	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
891		R151	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
892		R152	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
893		R153	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
894		R154	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
895		R155	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
896		R156	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
897		R157	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
898		R158	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
899		R159	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
900		R160	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
901		R161	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
902		R162	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
903		R163	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
904		R164	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
905		R165	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
906		R166	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
907		R167	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
908		R168	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
909		R169	0130-1009-1654	RES. CF 10ohm 1/16W J 0402	1
910		R170	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
911		R171	0130-1009-1654	RES. CF 10ohm 1/16W J 0402	1
912		R172	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
913		R173	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
914		R174	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
915		R175	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
916		R176	0130-1009-1654	RES. CF 10ohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
917		R177	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
918		R178	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
919		R179	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
920		R18	0130-2202-0055	RES. CF 22Kohm 1/10W J 0603	1
921		R180	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
922		R181	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
923		R182	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
924		R183	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
925		R184	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
926		R185	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
927		R186	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
928		R187	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
929		R188	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
930		R189	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
931		R19	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
932		R190	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
933		R191	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
934		R192	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
935		R193	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
936		R194	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
937		R195	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
938		R196	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
939		R197	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
940		R198	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
941		R199	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
942		R20	0130-2001-0055	RES. CF 2Kohm 1/10W J 0603	1
943		R200	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
944		R201	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
945		R202	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
946		R203	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
947		R204	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
948		R205	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
949		R206	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
950		R207	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
951		R208	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
952		R209	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
953		R21	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
954		R210	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
955		R211	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
956		R212	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
957		R213	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
958		R214	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
959		R215	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
960		R216	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
961		R217	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
962		R218	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
963		R219	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
964		R22	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
965		R220	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
966		R221	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
967		R226	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
968		R227	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
969		R228	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
970		R229	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
971		R23	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
972		R231	0130-0000-1859	RES. CF 0.0ohm 1/4W J 1206	1
973		R232	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
974		R233	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
975		R234	0130-1001-1459	RES. CF 1.0Kohm 1/4W J 1206	1
976		R235	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
977		R236	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
978		R237	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
979		R238	0130-2702-1654	RES. CF 27Kohm 1/16W J 0402	1
980		R239	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
981		R24	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
982		R240	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
983		R241	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
984		R242	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
985		R243	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
986		R244	0130-1001-1459	RES. CF 1.0Kohm 1/4W J 1206	1
987		R245	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
988		R246	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
989		R247	0130-2702-1654	RES. CF 27Kohm 1/16W J 0402	1
990		R248	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
991		R249	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
992		R25	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
993		R250	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
994		R258	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
995		R259	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
996		R26	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
997		R260	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
998		R261	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
999		R269	0130-0000-1859	RES. CF 0.0ohm 1/4W J 1206	1
1000		R27	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
1001		R270	0130-0000-1859	RES. CF 0.0ohm 1/4W J 1206	1
1002		R271	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1003		R272	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
1004		R273	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
1005		R274	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
1006		R275	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
1007		R276	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1008		R277	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1009	R278	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402		1
1010	R279	0130-7509-1654	RES. CF 75ohm 1/16W J 0402		1
1011	R28	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1012	R280	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402		1
1013	R281	0130-2209-1654	RES. CF 22ohm 1/16W J 0402		1
1014	R282	0130-1000-1654	RES. CF 100ohm 1/16W J 0402		1
1015	R283	0130-7509-1654	RES. CF 75ohm 1/16W J 0402		1
1016	R284	0130-2209-1654	RES. CF 22ohm 1/16W J 0402		1
1017	R285	0130-7509-1654	RES. CF 75ohm 1/16W J 0402		1
1018	R286	0130-2209-1654	RES. CF 22ohm 1/16W J 0402		1
1019	R287	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1020	R288	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402		1
1021	R289	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402		1
1022	R29	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1023	R290	0130-2209-1654	RES. CF 22ohm 1/16W J 0402		1
1024	R291	0130-2209-1654	RES. CF 22ohm 1/16W J 0402		1
1025	R292	0130-7509-1654	RES. CF 75ohm 1/16W J 0402		1
1026	R293	0130-2209-1654	RES. CF 22ohm 1/16W J 0402		1
1027	R294	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1028	R295	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402		1
1029	R296	0130-1000-1654	RES. CF 100ohm 1/16W J 0402		1
1030	R297	0130-1000-1654	RES. CF 100ohm 1/16W J 0402		1
1031	R298	0130-7509-1654	RES. CF 75ohm 1/16W J 0402		1
1032	R299	0130-7509-1654	RES. CF 75ohm 1/16W J 0402		1
1033	R3	0130-4702-0055	RES. CF 47Kohm 1/10W J 0603		1
1034	R300	0130-1000-1654	RES. CF 100ohm 1/16W J 0402		1
1035	R301	0130-1000-1654	RES. CF 100ohm 1/16W J 0402		1
1036	R302	0130-7509-1654	RES. CF 75ohm 1/16W J 0402		1
1037	R303	0130-7509-1654	RES. CF 75ohm 1/16W J 0402		1
1038	R304	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402		1
1039	R305	0130-2209-1654	RES. CF 22ohm 1/16W J 0402		1
1040	R306	0130-2209-1654	RES. CF 22ohm 1/16W J 0402		1
1041	R307	0130-7509-1654	RES. CF 75ohm 1/16W J 0402		1
1042	R308	0130-2209-1654	RES. CF 22ohm 1/16W J 0402		1
1043	R309	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1044	R310	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402		1
1045	R311	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402		1
1046	R312	0130-2209-1654	RES. CF 22ohm 1/16W J 0402		1
1047	R313	0130-2209-1654	RES. CF 22ohm 1/16W J 0402		1
1048	R314	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402		1
1049	R315	0130-2209-1654	RES. CF 22ohm 1/16W J 0402		1
1050	R316	0130-2209-1654	RES. CF 22ohm 1/16W J 0402		1
1051	R317	0130-2209-1654	RES. CF 22ohm 1/16W J 0402		1
1052	R318	0130-7509-1654	RES. CF 75ohm 1/16W J 0402		1
1053	R319	0130-2209-1654	RES. CF 22ohm 1/16W J 0402		1
1054	R320	0130-7509-1654	RES. CF 75ohm 1/16W J 0402		1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1055		R321	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
1056		R322	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1057		R323	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
1058		R324	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1059		R325	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1060		R326	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1061		R327	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1062		R328	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1063		R329	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1064		R330	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1065		R331	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1066		R332	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1067		R333	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1068		R334	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1069		R335	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1070		R336	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1071		R337	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1072		R338	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1073		R339	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1074		R340	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1075		R341	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1076		R342	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1077		R343	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1078		R344	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1079		R345	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1080		R346	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1081		R347	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1082		R348	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1083		R349	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1084		R350	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1085		R351	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1086		R352	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1087		R353	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1088		R354	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1089		R355	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1090		R356	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1091		R357	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1092		R358	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1093		R359	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1094		R36	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1095		R360	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1096		R361	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1097		R362	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1098		R363	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1099		R364	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1100		R365	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1101		R366	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1102		R367	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1103		R368	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1104		R369	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1105		R37	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1106		R370	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1107		R371	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1108		R372	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1109		R373	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1110		R374	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1111		R375	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1112		R376	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1113		R377	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1114		R378	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1115		R379	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1116		R38	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1117		R380	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1118		R381	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1119		R382	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1120		R383	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1121		R384	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1122		R385	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1123		R386	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1124		R387	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
1125		R388	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
1126		R389	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1127		R39	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1128		R390	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1129		R391	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
1130		R392	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1131		R393	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1132		R394	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1133		R395	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
1134		R396	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1135		R397	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
1136		R398	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
1137		R399	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1138		R40	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1139		R400	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
1140		R401	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
1141		R402	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1142		R403	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1143		R404	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
1144		R405	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
1145		R406	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1146		R407	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1147	R408	0130-1008-1654	RES. CF 1 ohm 1/16W J 0402		1
1148	R409	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402		1
1149	R41	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402		1
1150	R410	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402		1
1151	R411	0130-1008-1654	RES. CF 1 ohm 1/16W J 0402		1
1152	R412	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402		1
1153	R413	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1154	R414	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1155	R415	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402		1
1156	R416	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402		1
1157	R417	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402		1
1158	R418	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1159	R419	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1160	R42	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402		1
1161	R420	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1162	R421	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1163	R423	0130-6800-1654	RES. CF 680 ohm 1/16W J 0402		1
1164	R424	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1165	R425	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1166	R426	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1167	R427	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1168	R428	0130-1004-1654	RES. CF 1Mohm 1/16W J 0402		1
1169	R429	0130-6800-1654	RES. CF 680 ohm 1/16W J 0402		1
1170	R43	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402		1
1171	R430	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402		1
1172	R431	0130-2002-1654	RES. CF 20Kohm 1/16W J 0402		1
1173	R432	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1174	R433	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1175	R434	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1176	R435	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1177	R436	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1178	R437	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1179	R438	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1180	R439	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1181	R44	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1182	R440	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1183	R441	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1184	R442	0130-1000-1654	RES. CF 100ohm 1/16W J 0402		1
1185	R448	0130-1000-1654	RES. CF 100ohm 1/16W J 0402		1
1187	R45	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1188	R454	0130-1000-1654	RES. CF 100ohm 1/16W J 0402		1
1189	R455	0130-0000-1859	RES. CF 0.0ohm 1/4W J 1206		1
1190	R456	0130-2209-1654	RES. CF 22ohm 1/16W J 0402		1
1191	R458	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1192	R459	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1193	R46	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1194	R460	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1195	R465	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1196	R466	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1197	R467	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1198	R468	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1199	R469	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1200	R47	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1201	R470	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1202	R471	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1203	R472	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1204	R473	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1205	R474	0130-6800-1654	RES. CF 680 ohm 1/16W J 0402		1
1206	R476	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1207	R477	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1208	R478	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1209	R479	0130-1004-1654	RES. CF 1Mohm 1/16W J 0402		1
1210	R48	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1211	R480	0130-6800-1654	RES. CF 680 ohm 1/16W J 0402		1
1212	R481	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402		1
1213	R482	0130-2002-1654	RES. CF 20Kohm 1/16W J 0402		1
1214	R483	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1215	R484	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1216	R485	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1217	R486	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1218	R487	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1219	R488	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1220	R489	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1221	R49	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1222	R490	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1223	R491	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1224	R492	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1225	R494	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1226	R5	0130-4702-0055	RES. CF 47Kohm 1/10W J 0603		1
1227	R511	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1228	R512	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1229	R513	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1230	R514	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1231	R515	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1232	R516	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1233	R517	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1234	R518	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1235	R52	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1236	R523	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1237	R524	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1238	R525	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1239	R526	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1240	R527	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1241	R528	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1242	R529	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1243	R53	0130-1000-1654	RES. CF 100ohm 1/16W J 0402		1
1244	R530	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1245	R531	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1246	R532	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1247	R533	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1248	R534	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1249	R535	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1250	R536	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1251	R537	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1252	R538	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1253	R539	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1254	R54	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402		1
1255	R540	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1256	R543	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1257	R544	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1258	R545	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1259	R546	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1260	R547	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1261	R548	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1262	R549	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1263	R55	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402		1
1264	R550	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1265	R551	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1266	R552	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1267	R553	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1268	R554	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1269	R557	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1270	R558	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1271	R559	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1272	R56	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402		1
1273	R560	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402		1
1274	R561	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1275	R57	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402		1
1276	R571	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1277	R572	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1278	R573	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1279	R574	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1280	R575	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1281	R576	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1282	R577	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1283	R578	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1284	R579	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1285	R58	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402		1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1286	R580	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1287	R581	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1288	R582	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1289	R583	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1290	R584	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1291	R585	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1292	R586	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1293	R587	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1294	R588	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1295	R589	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1296	R59	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1297	R590	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1298	R591	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1299	R592	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1300	R593	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1301	R594	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1302	R595	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1303	R596	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1304	R597	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1305	R598	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1306	R599	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1307	R6	0130-0000-1859	RES. CF 0.0ohm 1/4W J 1206		1
1308	R60	0130-2701-1654	RES. CF 2.7Kohm 1/16W J 0402		1
1309	R600	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1310	R601	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402		1
1311	R602	0130-2209-1654	RES. CF 22ohm 1/16W J 0402		1
1312	R603	0130-7509-1654	RES. CF 75ohm 1/16W J 0402		1
1313	R604	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1314	R605	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402		1
1315	R606	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402		1
1316	R607	0130-2209-1654	RES. CF 22ohm 1/16W J 0402		1
1317	R608	0130-7509-1654	RES. CF 75ohm 1/16W J 0402		1
1318	R609	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1319	R61	0130-2701-1654	RES. CF 2.7Kohm 1/16W J 0402		1
1320	R610	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402		1
1321	R611	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1322	R612	0130-1000-1654	RES. CF 100ohm 1/16W J 0402		1
1323	R613	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1324	R614	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1325	R615	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1326	R616	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1327	R618	0130-1000-1654	RES. CF 100ohm 1/16W J 0402		1
1328	R619	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1329	R62	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1330	R620	0130-1000-1654	RES. CF 100ohm 1/16W J 0402		1
1331	R622	0130-1000-1654	RES. CF 100ohm 1/16W J 0402		1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1332	R623	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1333	R624	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1334	R625	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1335	R626	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1336	R627	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1337	R628	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1338	R629	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805		1
1339	R63	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1340	R630	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1341	R631	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1342	R632	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1343	R633	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1344	R636	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1345	R64	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1346	R640	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1347	R641	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1348	R642	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1349	R643	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1350	R644	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402		1
1351	R65	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1352	R67	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1353	R68	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1354	R69	0130-3309-1654	RES. CF 33ohm 1/16W J 0402		1
1355	R7	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603		1
1356	R70	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1357	R72	0130-4709-1654	RES. CF 47ohm 1/16W J 0402		1
1358	R73	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1359	R74	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1360	R75	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1361	R76	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1	
1362	R77	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1363	R78	0130-7509-1654	RES. CF 75ohm 1/16W J 0402		1
1364	R79	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1365	R8	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603		1
1366	R80	0130-2701-1654	RES. CF 2.7Kohm 1/16W J 0402		1
1367	R81	0130-2701-1654	RES. CF 2.7Kohm 1/16W J 0402		1
1368	R82	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1369	R83	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1370	R87	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1371	R88	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1372	R89	0130-0000-1654	RES. CF 0ohm 1/16W J 0402		1
1373	R90	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1374	R91	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1375	R92	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1376	R93	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402		1
1377	R94	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402		1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1378		R95	0130-1001-1654	RES. CF 1Kohm 1/16W I 0402	1
1379		R96	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1380		R97	0131-5769-1614	RES. MF 57.6 ohm 1/16W F 0402	1
1381		R98	0131-5769-1614	RES. MF 57.6 ohm 1/16W F 0402	1
1382		R99	0131-5769-1614	RES. MF 57.6 ohm 1/16W F 0402	1
1383		U10	0430-7033-4962	IC FLI8125-LF-BC 208PIN PQFP LF	1
1384		U11	0430-3002-0011	IC AT24C32AN-10SI-2.7 SMD 8PIN	1
1385		U12	0430-5015-1096	IC SST25VF040 8PIN SOP LF	1
1386		U13	0430-7030-5962	IC FLI8532-LF-BD 416PIN PBGA LF	1
1387		U14	0430-1009-1009	IC 74HCT14D 14PIN SO14 LF	1
1388		U15	0430-3002-0011	IC AT24C32AN-10SI-2.7 SMD 8PIN	1
1389	SS		0430-7032-0014	IC LE25FW406M 8PIN SOP8 LF	
1390		U16	0430-7031-9603	IC NT5DS16M16CS-5T 66PIN TSSOP2 LF	1
1391	SS		0430-7032-1612	IC A2S56D40BTP-G5PP 66PIN TSOP2 LF	
1392		U17	0430-7031-9603	IC NT5DS16M16CS-5T 66PIN TSSOP2 LF	1
1393	SS		0430-7032-1612	IC A2S56D40BTP-G5PP 66PIN TSOP2 LF	
1394		U18	0430-7030-3035	IC NC7SB3157P6X SC-70 6PIN LF	1
1395		U2	0420-2004-8612	MOSFET P-CH 7A 30V SP8J5 SO-8 8PIN L-F	1
1396	SS		0420-2004-8622	MOSFET P-CH 7A 30V FDS4935 SO-8 8PIN L-F	
1397		U20	0430-0001-1035	IC MM74HC4052 SMD 16PIN	1
1398	CS		0430-0001-1009	IC 74HC4052DT SMD 16PIN	
1399		U21	0430-3004-2011	IC AT24C02AN-10SU-2.7 SO-8 L-F	1
1400		U22	0430-7009-1002	IC M61323FP 36PIN TSSOP	1
1401		U23	0430-7009-1002	IC M61323FP 36PIN TSSOP	1
1402		U24	0430-7009-1002	IC M61323FP 36PIN TSSOP	1
1403		U25	0430-7018-2091	IC F75373S SOP16	1
1404		U26	0430-7016-1058	IC MAX232A SMD 16PIN	1
1405		U27	0430-7030-2687	IC MAX4550CAI SSOP 28PIN LF	1
1406		U28	0430-7030-2687	IC MAX4550CAI SSOP 28PIN LF	1
1407		U29	0430-7030-0004	IC LM2660MMX 8PIN MUA08A LF	1
1408		U3	0430-6007-0004	IC LM2576SX-3.3 TO-263 5PIN	1
1409	SS		0430-6007-0072	IC N2576SG-3.3 3A 5PIN TO-263 LF	
1410		U32	0430-9000-8980	IC MSP4450G-QI-C13-500 PLQF64	1
1411		U33	0430-4010-1059	IC PT2308 SMD 8PIN SOIC	1
1412		U34	0430-4010-1059	IC PT2308 SMD 8PIN SOIC	1
1413		U35	0430-7027-3738	IC SiI9011CLU 128PIN LQFP LF	1
1414		U36	0430-7030-1601	IC CS4344-CZZ TSSOP-10 LF	1
1415		U37	0430-3004-2011	IC AT24C02AN-10SU-2.7 SO-8 L-F	1
1416		U38	0430-5007-5578	IC SM5964C40J 44PIN PLCC	1
1417		U38S	0204-1274-4012	PLCC SOCKET 44PIN SMD	1
1418		U39	0430-6005-5004	IC LM1117MPX-1.8 SMD 3PIN (SOT-223)	1
1419	SS		0430-6005-5079	IC AP1117E18LA LF SOT-223	
1420		U40	0430-3007-1017	IC 24LC128-I/SN 8PIN SOIC LF	1
1421		U41	0430-6005-5004	IC LM1117MPX-1.8 SMD 3PIN (SOT-223)	1
1422	SS		0430-6005-5079	IC AP1117E18LA LF SOT-223	
1423		U42	0430-7027-3738	IC SiI9011CLU 128PIN LQFP LF	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1424		U43	0430-7030-1601	IC CS4344-C7Z TSSOP-10 L-F	1
1425		U44	0430-3004-2011	IC AT24C02AN-10SU-2.7 SO-8 L-F	1
1426		U45	0430-1004-4009	IC 74LV14D SMD SO14	1
1427		U46	0430-7020-6065	IC QS3253 QSOP	1
1428		U47	0430-7020-6065	IC QS3253 QSOP	1
1429		U5	0420-2004-8612	MOSFET P-CH 7A 30V SP8J5 SO-8 8PIN L-F	1
1430	SS		0420-2004-8622	MOSFET P-CH 7A 30V FDS4935 SO-8 8PIN L-F	
1431		U6	0430-6003-5072	IC N2576S-ADJ SMD 5PIN (TO-263)	1
1432		U7	0430-6006-1079	IC LDO AP1084KLA ADJ TO-263-3L LF	1
1433		U8	0430-6006-1079	IC LDO AP1084KLA ADJ TO-263-3L LF	1
1434		U9	0430-6002-8079	IC AP1117E25LA SOT-223 L-F	1
1435		W1	0303-2000-0313	Wire to Board 31P SMD (JAE, FI-TWE31PB-VF)	1
1436		XU1	0430-3007-0632	IC Am29LV320DT90-ED 48PIN TSOP LF	1
1437	SS		0430-3008-1645	IC MX29LV320ATTC-90G 48PIN TSOP LF	

3850-0012-0189M PDP IR BD ASS'Y (PD-50L) MI

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1		DR1	0440-5000-0030	LED I.-3WYGW 3 ϕ	1
2		DR1H	1701-1500-0510	LED HOLDER 3PIN/LED QLE-6	1
3		UR1	0980-0200-2130	MODULE. IR RECEIVER (FM-6038LM-5AN)	1
4		UR1S	1701-1500-0360	IR HOLDER (TM-15A)	1
5		WR1	0451-2000-0466	WAFER 2.0mm 4P 90° DIP KINK (M24264R) L-F	1

3850-0012-0189S PDP IR BD ASS'Y (PD-50L) SMD

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1			0171-1641-0342	PCB IR BD FR4 58.0*13.0*1.6t D (PD-50L.M)	1
2		CR1	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
3		CR2	0111-3475-1135	C/M MULTI 4.7uF 10V Y5V 0805	1
4	SS		0112-3475-1135	C/M MULTI 4.7uF 10V Y5V 0805	
5		CR3	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
6		LR1	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
7		QR1	0410-5000-1610	TRANSISTOR MMBT3904LT1 SMD T	1
8	CS		0410-5000-1604	TRANSISTOR 2N3904 SMD T	
9	SS		0410-5000-1604	TRANSISTOR 2N3904 SMD T	
10	SS		0410-5000-1611	TRANSISTOR PMBS3904 SMD T	
11	SS		0410-5000-1628	TRANSISTOR MMBT3904LT1 SMD SOT-23 T	
12		QR2	0410-5000-2610	TRANSISTOR MMBT3906LT1 SMD	1
13	CS		0410-5000-2604	TRANSISTOR MMBT3906 SMD (SOT-23)	
14	SS		0410-5000-2604	TRANSISTOR MMBT3906 SMD (SOT-23)	
15	SS		0410-5000-2611	TRANSISTOR PMBS3906 SMD T	
16	SS		0410-5000-2628	TRANSISTOR MMBT3906 SMD (SOT-23)	
17		RR1	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
18		RR2	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
19		RR3	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
20		RR5	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
21		RR6	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
22		RR7	0130-3301-1654	RES. CF 3.3Kohm 1/16W J 0402	1
23		RR8	0130-3301-1654	RES. CF 3.3Kohm 1/16W J 0402	1
24		RR9	0130-3301-1654	RES. CF 3.3Kohm 1/16W J 0402	1
25		UR2	0430-1004-7035	IC NC7SZ14M5 5PIN SOT-23	1
26		ZDR1	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
27		ZDR2	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1