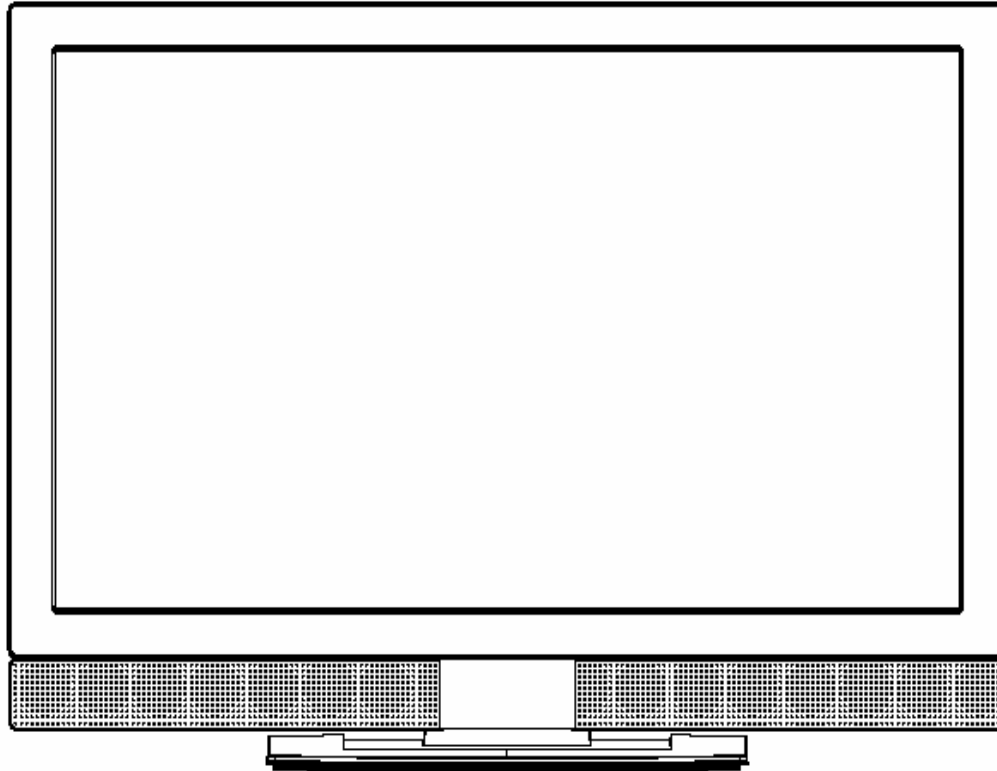


Service Manual



**Model #: VIZIO GV46L HDTV
VIZIO GV46L HDTV10A
(For Samsung Panel)**

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Top Confidential

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Appendix

1. Main Board Circuit Diagram
2. Main Board PCB Layout
3. Assembly Explosion Drawing

Block Diagram

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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

- High resolution 1366 x 768 with wide screen
- Built-in digital HDTV and standard TV combination TV tuner
- All TV formats supported (1080i, 720p, 480 p and 480i)
- Computer Monitor (RGB): up to 1366 x 768 (H x V)
- Wall mounting capable with and without speakers
- 2.1 virtual surround sound (TruSurround XT) with 20W subwoofer
- Dual HDMI (High Definition Multimedia Interface)
- Independent Red, Green and Blue adjustment in TV, Video, HDMI and VGA for user fine tuning of color temperature with reset.
- Zero Bright Pixel
- PIP, POP, CC, V-Chip, 3D Comb Filter, Zoom, Freeze, DCDi De-Interlace, 3:2 or 2:2 Reverse Pull-down, ATSC, with 8VSB & QAM demodulation, with MPEG-2 decoding, NTSC Video decoding via RF (Antenna, Cable or Satellite) or Video (CVBS, S-Video or Component), Progressive Scan Video via Component YPbPr, VGA or HDMI, HDTV via HDMI or Component YPbPr,

Chapter 2 Specification

1. General specification

Native Resolution	1366 (H)X768 (V) pixels,
Effective Display Size	1018.353 (H) x 572.544 (V) mm
Aspect Ratio	16:9
Display Color	8 bit, 16.7M
Brightness	400 cd/ m ² (Min)
Contrast Ratio	1,200:1 (Typical, panel spec).
TV system	NTSC/ATSC/ QAM
PC Inputs	15pins D-sub, HDMI-DVI
Video Inputs	2 x S-Video 2 x AV inputs (CVBS; RCA type) 2 x Component (Y Pb/Pr Cb/Cr) 2 x HDMI
Audio Inputs	6 x Stereo RCA (R/L), 1 x PC Mini-Jack
Audio Outputs	Analog - 1 x stereo RCA (R/L) 1 x headphone Digital – 1 x SPDIF Optical
Audio	10W8Ω X 2 + 20W8Ω X 1
Power Input	100 to 240 Vac
Power Consumption	320W Max

2. Optical characteristics

Item	Specification			Note
Display Pixels	1366 (H) x 768 (V) pixels			
Pixel Pitch	0.7455 (H) x 0.2485 (V) mm*3			
Pixel Arrangement	RGB vertical stripe			
Color Depth	8 bit, 16.7M colors			
Active Display Area	921.6 (H) x 519.2 (V) ± 0.5 mm			
Surface treatment of Hard coating	3H			
Brightness	400 cd/m ² (min)			
Contrast ratio (panel spec)	1,200:1 (Typical, dark room)			
Color coordinates	Cool (9300K):: x=0.283 \pm 0.03, y=0.297 \pm 0.03			RGB
	Standard (6500K): x=0.313 \pm 0.03, y=0.329 \pm 0.03			RGB /VIDEO
	Warm (5400K): x=0.332 \pm 0.03, y=0.348 \pm 0.03			RGB
	User: x= 0.280 \pm 0.03, y= 0.290 \pm 0.03			RGB
Viewing angle	Hor.	ϕ L	≥ 75	
		ϕ R	≥ 75	
	Ver.	ϕ U	≥ 75	
		ϕ D	≥ 75	

3. Power Supply

- | | |
|----------------------|--------------------------------|
| a. Input voltage | 100-240Vac, 50/60Hz |
| b. Input current | 3.2A or less (at AC 100V/60Hz) |
| c. Inrush current | 60A at Vac=120V |
| d. Power consumption | 320 W Max |
| e. Standby/Power-off | 3 watts max. (at 120 Vac) |

4. Environment

4.1 Operating

- a. Temperature 0~35°C
- b. Humidity 0%~90% RH (No condensation)

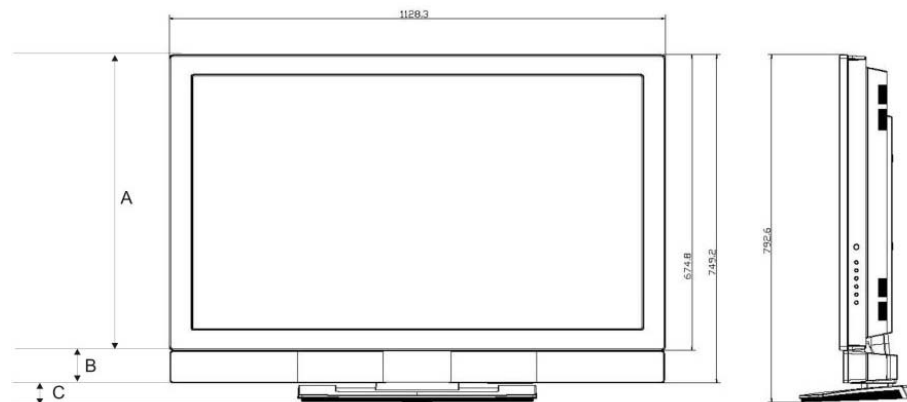
4.2 Non-operating

- a. Temperature -20~60°C
- b. Humidity 0%~90% RH (No condensation)

4.3 Altitude

- a. Operating 0~14,000 ft
- b. Non-operating 0~40,000 ft

5. Dimensions & Weight



A: Display Module

B: Speaker

C: Base

	Display Module	Display Module + Speaker	Display Module + speaker + Base
a. Height	674.8 mm	749.2 mm	792.6 mm
b. Width	1128.3 mm	1128.3 mm	1128.3 mm
c. Depth	120.9 mm	132.9 mm	269.3 mm
d. Net weight	30.8+/- 0.5 kgs	33.50+/- 0.5 kgs	37.00 +/- 0.5 kgs
e. Gross Weight	--	--	44 +/- 1 kgs

6. Packaging Specification

6.1 Packaged dimensions

a. Height	960+/- 20 mm
b. Width	1300+/- 20mm
c. Depth	374 +/- 20 mm

6.2 Pallet Load

a. Sea	3 units/pallet
--------	----------------

6.3 Container Load

a. 40' container	108 units (@3 x 36 pallets= 108 units)
b. 20' container	48 units (@3 x 16 pallets= 48 units)

Chapter 3 On Screen Display

1. Analog Menu - RGB/AV/Component/HDMI/TV

Image Settings

Mode	Level 1	Level 2	Level 3	Level 4
VIDEO	Picture Mode	Vivid, Movie, Game, Sport, Custom		
VIDEO	Brightness(0~100)			
VIDEO	Contrast(0~100)			
VIDEO	Saturation(0~100)			
VIDEO	Hue(-50~50)			
VIDEO	Sharpness(0~24)			
VIDEO	Advanced			
VIDEO		Noise Reduction		
VIDEO			Motion(0~16)	
VIDEO			Digital(0~64)	
VIDEO		Fleshtone	Off, High, Medium, Low	
VIDEO		Dynamic Contrast (0,1,2,3)		
VIDEO		Backlight (High, Medium, Low)		
VIDEO	Custom Color*			
VIDEO		Red(0~100)		
VIDEO		Green(0~100)		
VIDEO		Blue(0~100)		
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)
PC		Backlight (High, Medium, Low)		

When “Custom” in “Picture Mode” is selected.

Display Settings

Mode	Level 1	Level 2	Level 3	Level 4
VIDEO	Aspect Ratio	16:9 、 4:3 、 Zoom* 、 Panoramic**		
PC	Aspect Ratio	16:9 、 4:3		
	PIP			
		PIP Mode	Off, Large PIP, Small PIP, POP	
		PIP Position	Top-Left, Top-Right, Bottom-Left, Bottom-Right	
		PIP Input ***		

* RGB doesn't support Zoom function

** Only AV and Component 480i/480p support Panoramic function.

*** Please see 4.3 “PIP/POP Table” for PIP/POP matrix for all inputs.

Audio Settings

Mode	Level 1	Level 2	Level 3	Level 4
	Bass(0~20)			
	Treble(0~20)			
	Balance(-10~10)			
	SRS TS XT* (On, Off)			
	Auto Volume(On, Off)			
	Speakers(On, Off)			
	Audio Out**	Fixed Volume, Variable Volume		

* SRS TS XT doesn't support DTV/TV and line out.

** When “Speakers” is off

Parental Controls

Mode	Level 1	Level 2	Level 3	Level 4
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
VIDEO			Block Unrated (No, Yes)	
VIDEO		Change Password		
VIDEO			Please enter new password	
VIDEO			Please re-enter new password	
VIDEO		Clear All (No, Yes)		

Setup

Mode	Level 1	Level 2	Level 3	Level 4
	Closed Caption			
		Display	CC1, CC2, CC3, CC4, TEXT1, TEXT2, TEXT3, TEXT4	
		Captions on mute	On, Off	
	Language	English, French, Spanish		
	Factory Reset (No,Yes)			
	Image Cleaner			
TV	TV Menu			
TV		Auto Scan		
TV		Set Channel	Add/Skip	
TV		Cable/Antenna		
DTV	DTV Menu*			
	Firmware Version			

* DTV menu is followed by options in the following point 2 when it is selected.

2. DTV Menu

Level 1	Level 2	Level 3	Level 4	Level 5
DTV Tuner Setup				
	Time Zone			
		Hawaii		
		Eastern Time		
		Indiana		
		Central Time		
		Mountain Time		
		Arizona		
		Pacific Time		
		Alaska		
	Cable/Air/Auto			

Level 1	Level 2	Level 3	Level 4	Level 5
	Scan*			
	Manual Scan*			
		Scan mode		
			Add-on Mode	
			Range Mode	
				From Channel
				To Channel
	Channel Skip			
	Digital Audio Out			
		PCM		
		OFF		
		Dolby Digital		
Closed Caption				
	Analog Closed Caption	CC1~CC4、 OFF		
	Digital Closed CAPTION	Service 1~Service 6, OFF		
	Digital Closed Style			
		As Broadcaster		
		Custom		
			Font Size	
				Large
				Small
				Medium
			Font Color	
				Black
				White
				Green
				Blue
				Red
				Cyan
				Yellow
				Magenta
			Font Opacity	
				Solid
				Translucent
				Transparent

Level 1	Level 2	Level 3	Level 4	Level 5
			Background Color	
				Black
				White
				Green
				Blue
				Red
				Cyan
				Yellow
				Magenta
			Background Opacity	
				Solid
				Translucent
				Transparent
			Window Color	
				Black
				White
				Green
				Blue
				Red
				Cyan
				Yellow
				Magenta
			Window Opacity	
				Solid
				Translucent
				Transparent

Parental control

Chapter 4 Factory preset timings

This timing chart is already preset for this LCD TV.

1. RGB PC 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. HDMI video digital preset modes

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

3. HDMI- DVI preset modes

- through HDMI interface by an optional interface cable

3.1 Video input

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

3.2 PC input

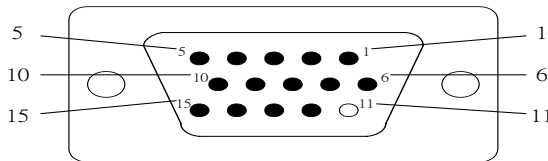
Mode No.	Resolution	Refresh Rate (Hz)	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Horizontal Sync Polarity (TTL)	Vertical Sync Polarity (TTL)	Pixel Rate (MHz)	Remark
1	640x480	60	31.5	59.94	N	N	25.175	Windows

Chapter 5 Pin Assignment

1. Input

1.1 RGB PC Connector

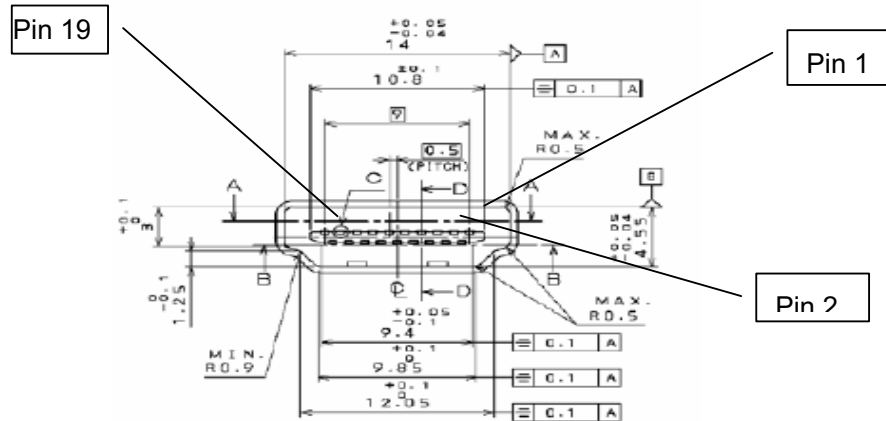
- a. Type: Analog
- b. Frequency: H: 30-80KHz V: 60-85Hz
- c. Signal level: 0.7Vp-p
- d. Impedance: 75Ω
- e. Synchronization
H/V separate sync:
H/V composite sync: Sync on Green
TTL
TTL
- f. Video bandwidth: 135MHz
- g. Connector type: 15-pin D-Sub, female



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)
8	Blue video ground		

1.2 HDMI Connector

- 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

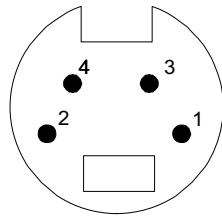


Pin	Signal Assignment	Pin	Signal Assignment
1	TMDS Data2+	2	TMDS Data2 Shield
3	TMDS Data2-	4	TMDS Data1+
5	TMDS Data1 Shield	6	TMDS Data1-
7	TMDS Data0+	8	TMDS Data0 Shield
9	TMDS Data0-	10	TMDS Clock+
11	TMDS Clock Shield	12	TMDS Clock-
13	CEC	14	Reserved (N.C. on device)
15	SCL	16	SDA
17	DDC/CEC Ground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

1.3 AV/Composite Video (CVBS) Connector

- 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

1.4 AV/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

1.5 Component video Connector

- 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: ±0.350Vp-p Pr: ±0.350Vp-p
- c. Impedance: 75Ω
- d. Connector type: RCA jack

1.6 F-type TV RF connector

NTSC system

- a. Signal level Analog 1Vp-p typical (45tdB~90dB)
- b. Frequency 55~801 MHz

ATSC system

- a. IF-output level 1Vp-p minimum
- b. Frequency 57~803 MHz

QAM system (supporting clear QAM)

- a. IF-output level 1Vp-p minimum
- b. Frequency 57~849 MHz

1.7 PC Stereo audio

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

1.8 Video Stereo audio

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

2. Output

2.1 Analog Audio out

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

2.2 Digital audio out

- a. Peak emission wave length: 630 – 690 μ m
- b. Transmission Speed: 13.2M pbs
- c. Connector type: Optical fiber transmitter

2.3 Headphone

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

3. Acoustic

3.1 Connection

3.1.1 Left Acoustic:

Speaker connector (5-pin audio din) connected to the speaker box with 2" x 5" 8Ω/10 W speaker

3.1.2 Right Acoustic:

Speaker connector (5-pin audio din) connected to the speaker box with 2" x 5" 8Ω/10 W & 4" 8Ω/20W speakers

3.2 Acoustic performance

3.2.1 Wide Range

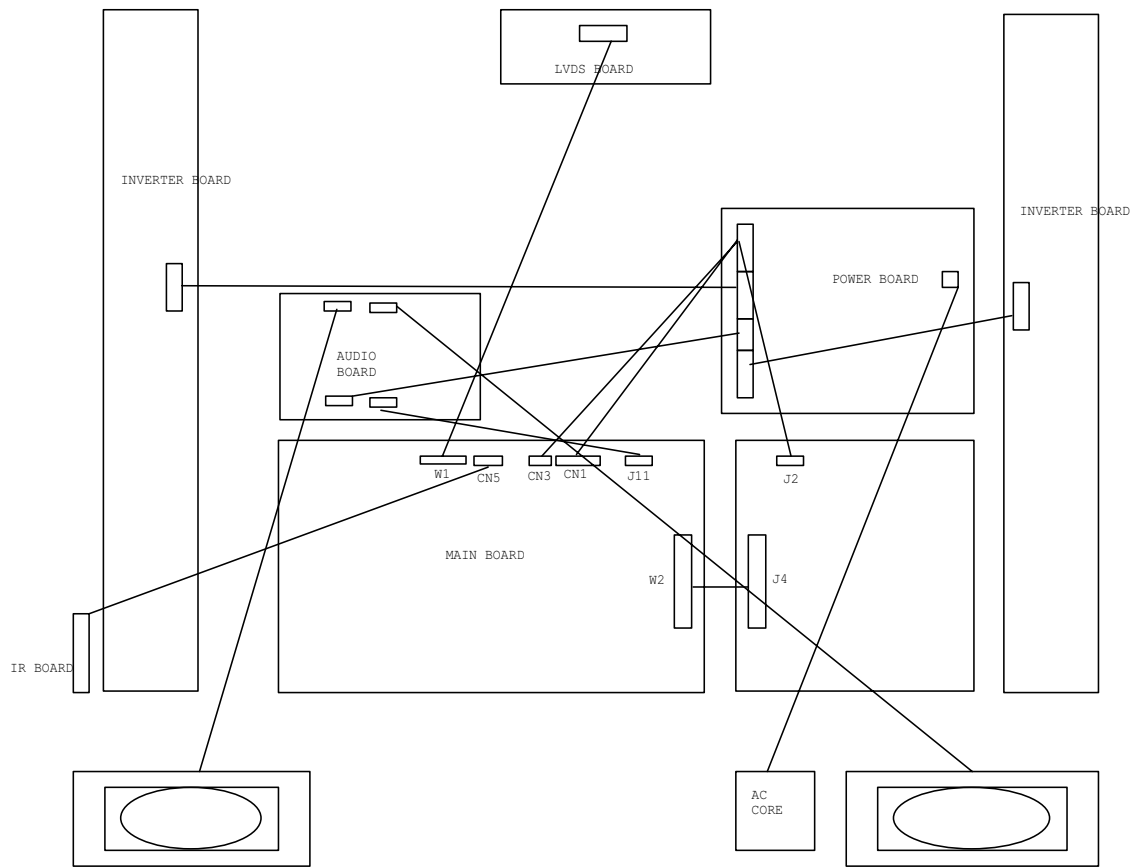
- a. Frequency response: 250Hz-20KHz ± 3 dB
- b. Signal/Noise rate > 60 dB
- c. Output Power: 10W rms THD 10% with 2" x 5" 8Ω/10 W speaker

3.2.2 Sub-woofer

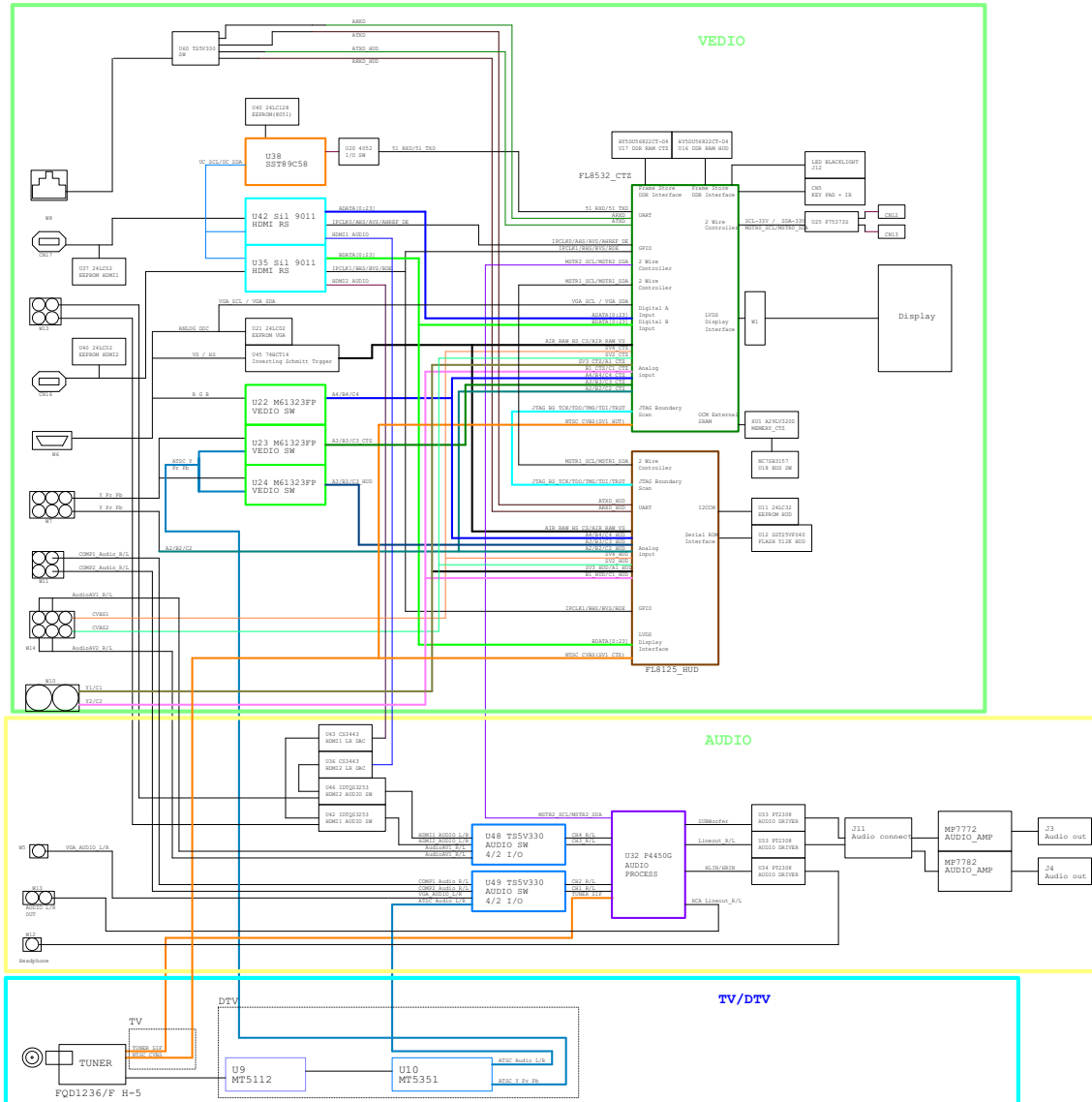
- a. Frequency response: 20Hz-250Hz ± 3 dB
- b. Signal/Noise rate > 60 dB
- c. Output Power: 20W rms THD 10% with 4" 8Ω/20 W speaker

Chapter 6 Block Diagram

System Block Diagram



Main board System Block Diagram



Chapter 7 Main/ATSC Board Internal I/O Connections

MAIN Board

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
5	BRIGHT

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

J11 CONNECTION "AUDIO BOARD"

PIN	Description
1	AUDIO_EXT_R
2	GND
3	AUDIO_EXT_L
4	MUTE_AMP
5	AUDIO_SUB
6	GND
7	GND

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		

W1 CONNECTION “ATSC BOARD”

PIN	Description	PIN	Description
1	GND	2	SCL_5V
3	ATSC_CLK	4	SDA_5V
5	GND	6	ATSC_RST
7	ATSC_WS	8	ATSC_RDY
9	GND	10	GND
11	ATSC_DA	12	SV1_CTZ / SV1_HUD
13	GND	14	GND
15	ATSC_Y	16	N / C
17	GND	18	GND
19	ATSC_Pb	20	SIF_Tuner1
21	GND	22	GND
23	ATSC_Pr	24	SIF_Tuner2
25	N / C	26	N / C
27	+12V_SW	28	ATSC_Audio_L
29	+12V_SW	30	ATSC_Audio_R
31	+5V_SW	32	ATSC_TX
33	+5V_SW	34	ATSC_RX
35	+5V_SW	36	CHKTNR0
37	+5V_SW	38	+8V
39	+5V_SW	40	+8V

J3 SELECT KEY POWER

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

“ON” ADD JUMPER , “OFF” NO JUMPER

ATSC Board

W1 CONNECTION "MAIN BOARD"

PIN	Description	PIN	Description
1	GND	2	Tuner-SCL2
3	A01MICK/A01BLK	4	Tuner-SDA2
5	GND	6	ORESET
7	A01LRCK	8	READY
9	GND	10	GND
11	A01SDATA0	12	NTSC-CVB1
13	GND	14	GND
15	MAIN-YOUT	16	N / C
17	GND	18	GND
19	MAIN-PbOUT	20	NTSC-SIF
21	GND	22	GND
23	MAIN_PrOUT	24	N / C
25	HDMI-SPDIF	26	SPDIF-Ctrl
27	+12V_SW	28	Audio_LCHOUT
29	+12V_SW	30	Audio_RCHOUT
31	N / C	32	U2TX
33	N / C	34	U2RX
35	N / C	36	Tuner SW
37	N / C	38	N / C
39	N / C	40	N / C

J10 CONNECTION "ATSC POWER"

PIN	Description
1-3	GND
4-5	+12V

AUDIO Board

J1 CONNECTION "MAIN BOARD"

PIN	Description
1	AUDIO_EXT_R
2	GND
3	AUDIO_EXT_L
4	MUTE_AMP
5	AUDIO_SUB
6	GND
7	GND

J4 CONNECTION "POWER BOARD"

PIN	Description
1	24V
2	24V
3	GND
4	GND

J3 CONNECTION "SPEAKER L"

PIN	Description
1	LOUT
2	GND

J1 CONNECTION "SPEAKER R"

PIN	Description
1	ROUT
2	GND
3	SWOUT
4	SWOUT
5	SWOUT
6	SWOUT

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.

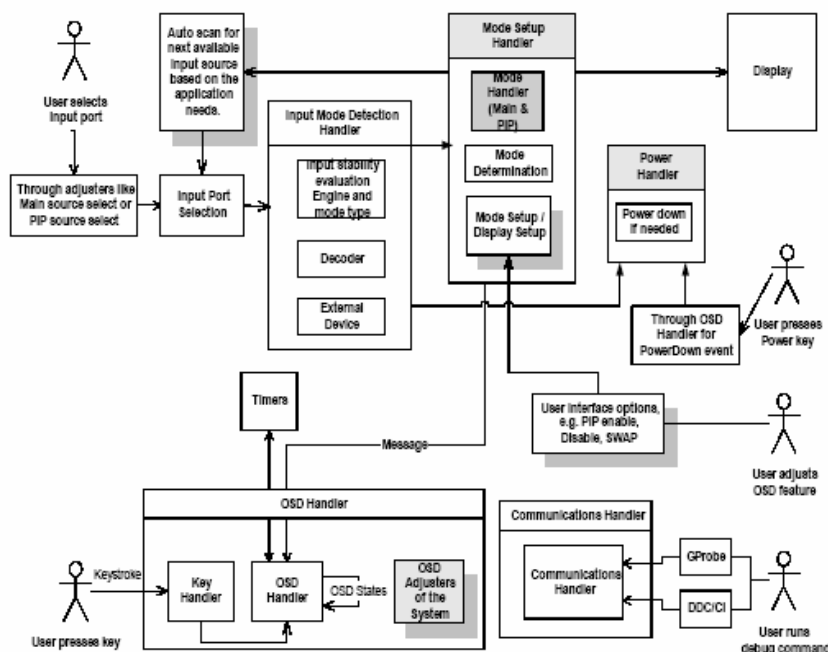


Figure 8-1 User Interface Block Diagram

The operation of keypad

There are 7 keys to control and select the function of SHD-3010 and also have two LED to indicate the status of operation. They are “Power , Menu , Ch+/ \blacktriangle , Ch-/ \blacktriangledown , Vol+/ \blacktriangleright , Vol-/ \blacktriangleleft , Input” 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 White and Orange. The FLI8532 direct control the LED's when FLI8532 (VPCON) is low the LED is Orange (Close power) when FLI8532 (VPCON) is high the LED is White (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.

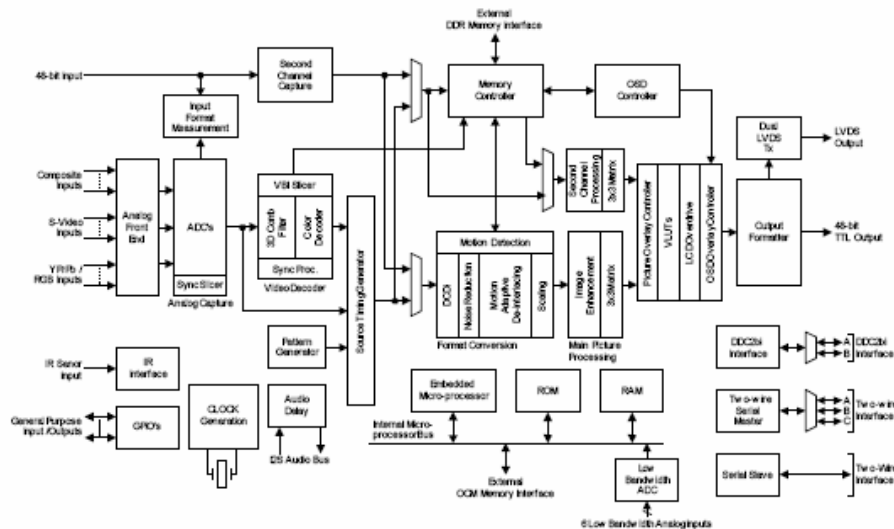


Figure 8-2 FLI8532 Block Diagram

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.

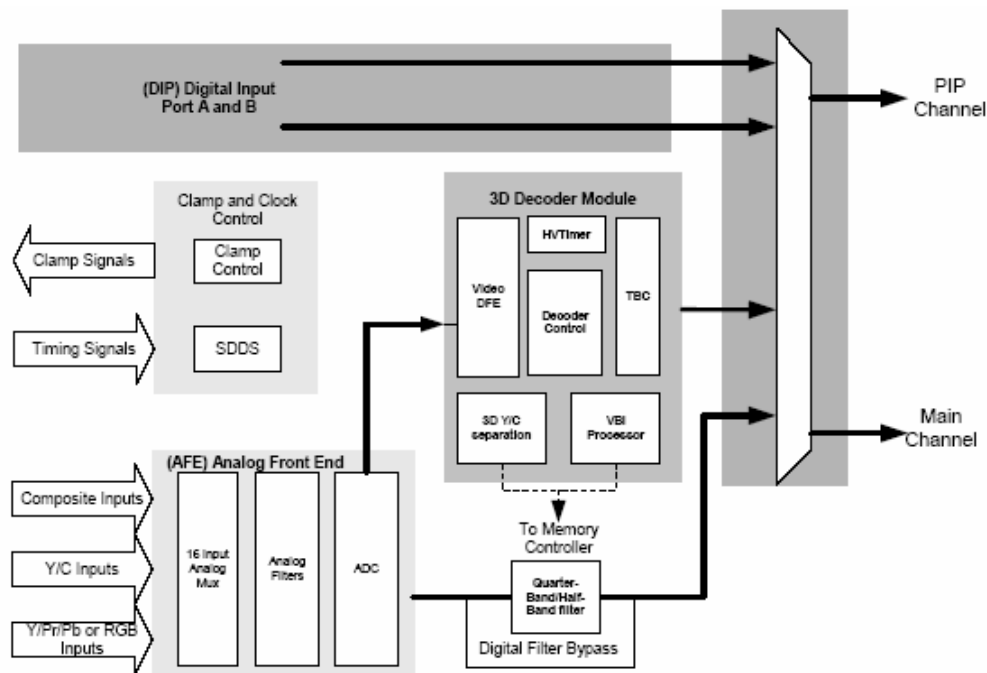


Figure 8-3 Analog Front End

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.

Mode	Input Bus	DIP_XX_BUS_SWAP					
		"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			

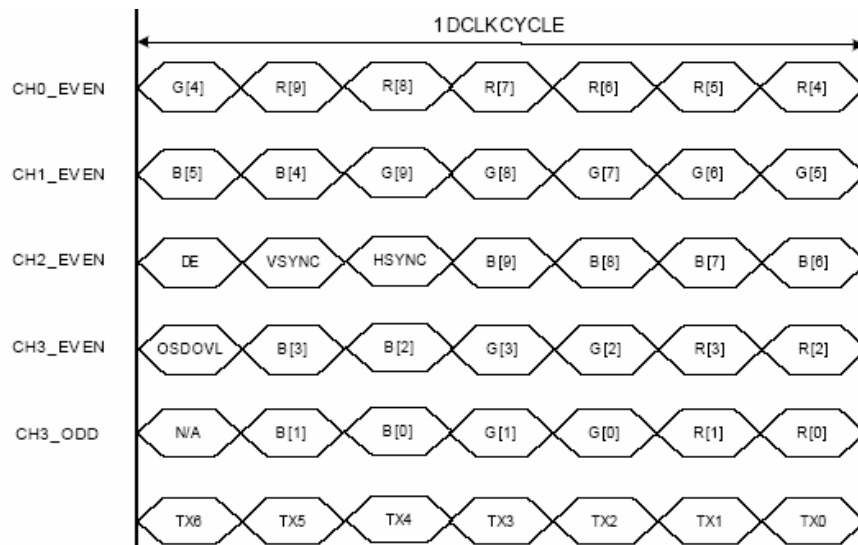
Figure 8-4 Digital Input DATA bus assignment

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

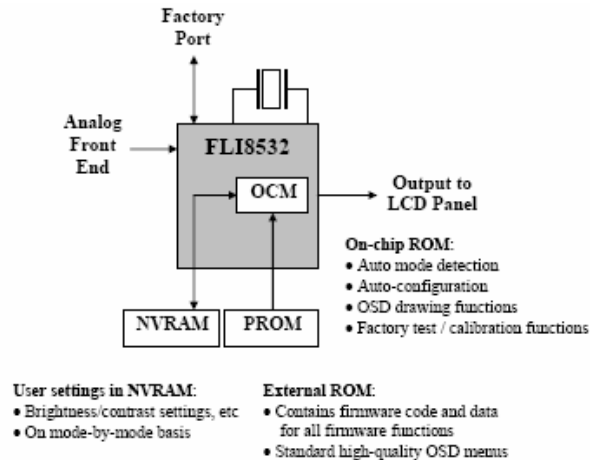


Figure 8-5 FLI8532 OCM block diagram

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).

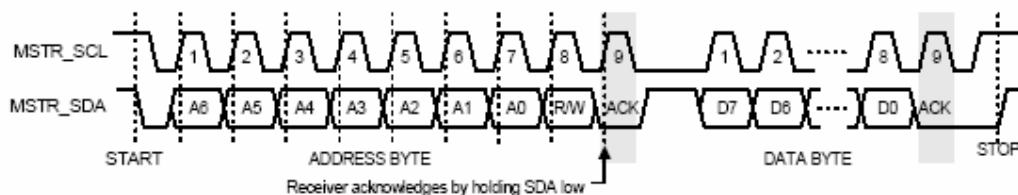


Figure 8-6 Two-Wire Protocol Data Transfer

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.

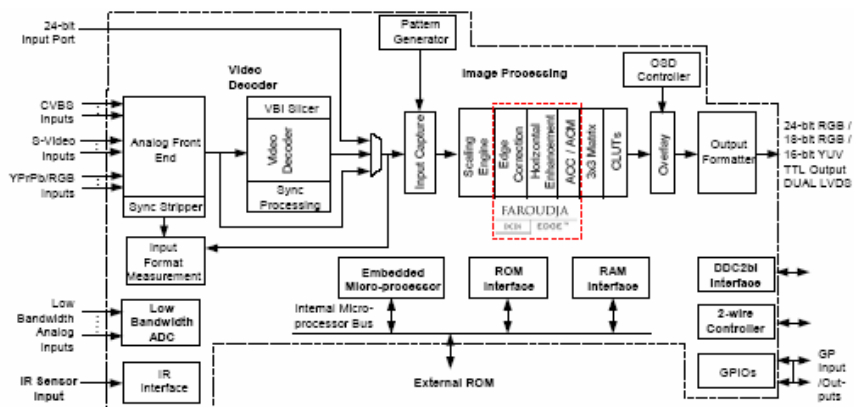


Figure 8-7 FLI8125 System Block Diagram

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.

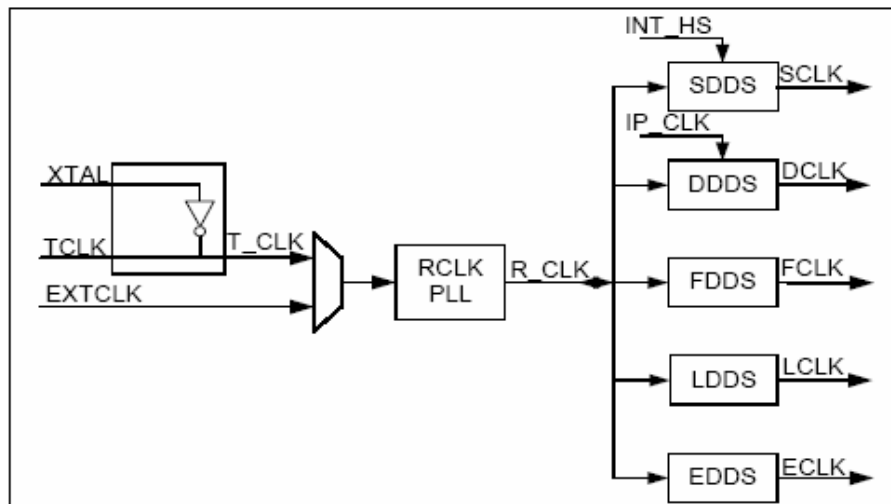


Figure 8-8 FLI8125 Internally Synthesized Clocks

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 .

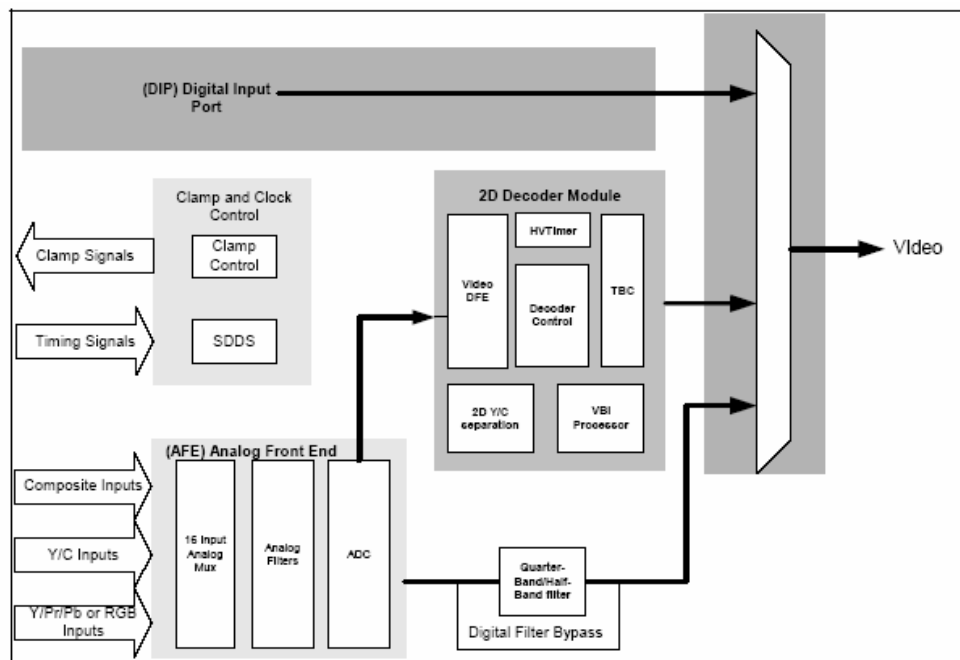


Figure 8-9 Analog Input Port

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.

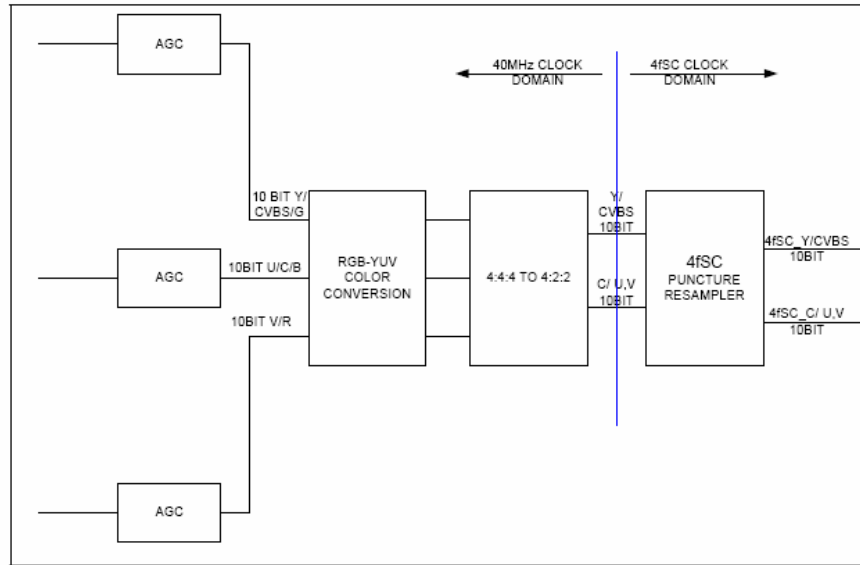


Figure 8-10 Digital Datapath

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.

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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.

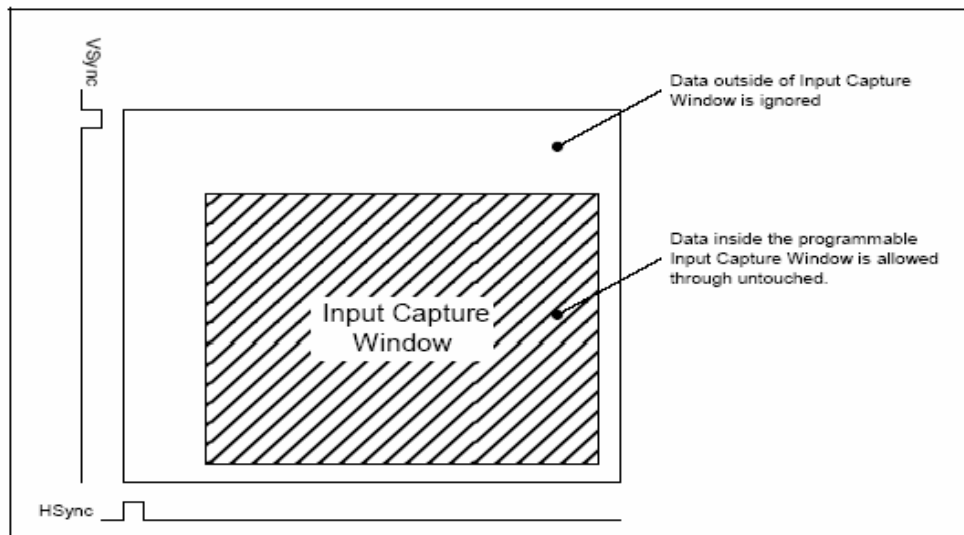


Figure 8-11 Input Capture Window

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.

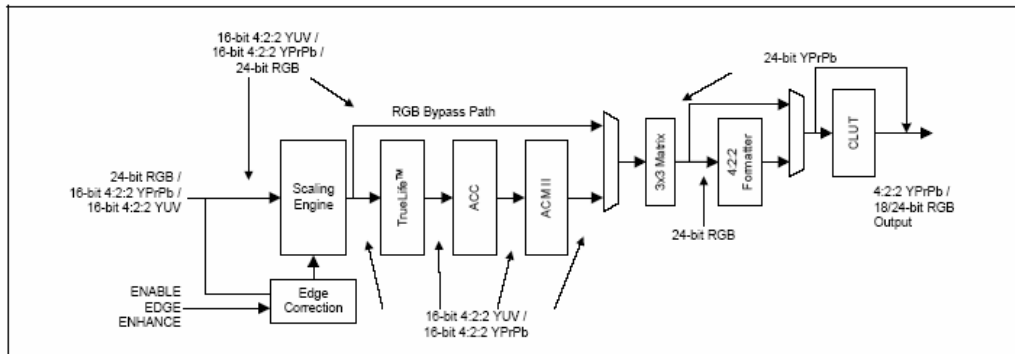


Figure 8-12 Image Processing Block Diagram

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.

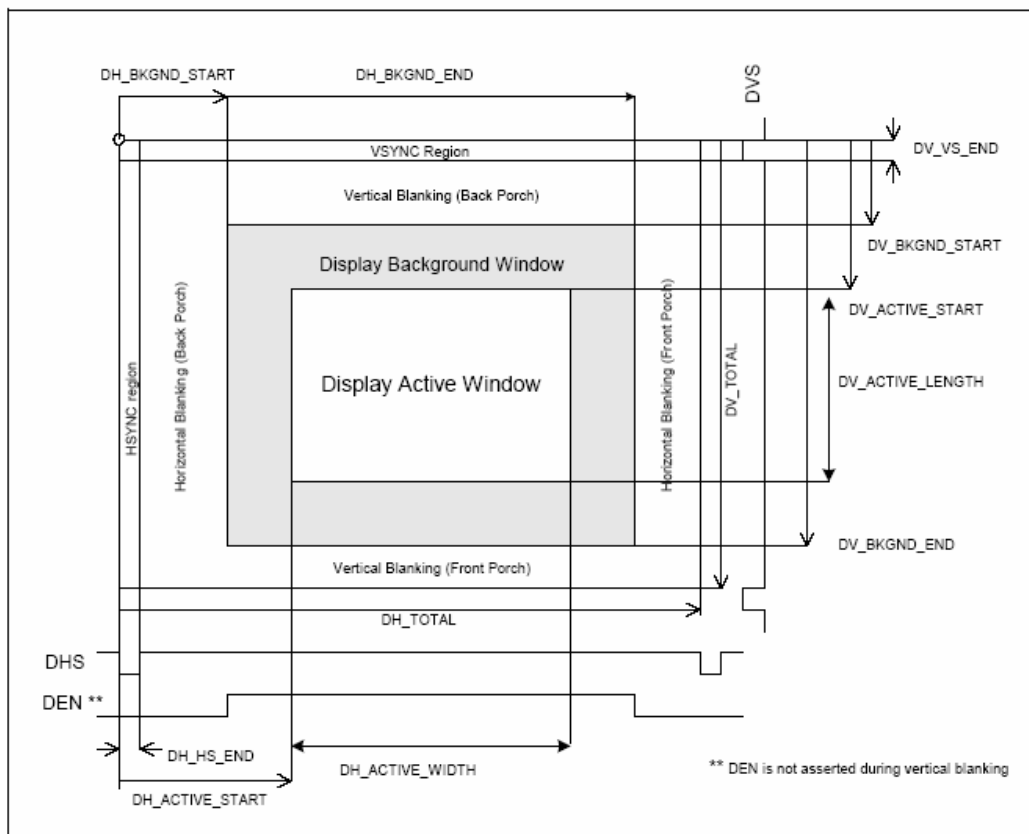


Figure 8-13 Display Windows and Timing

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.

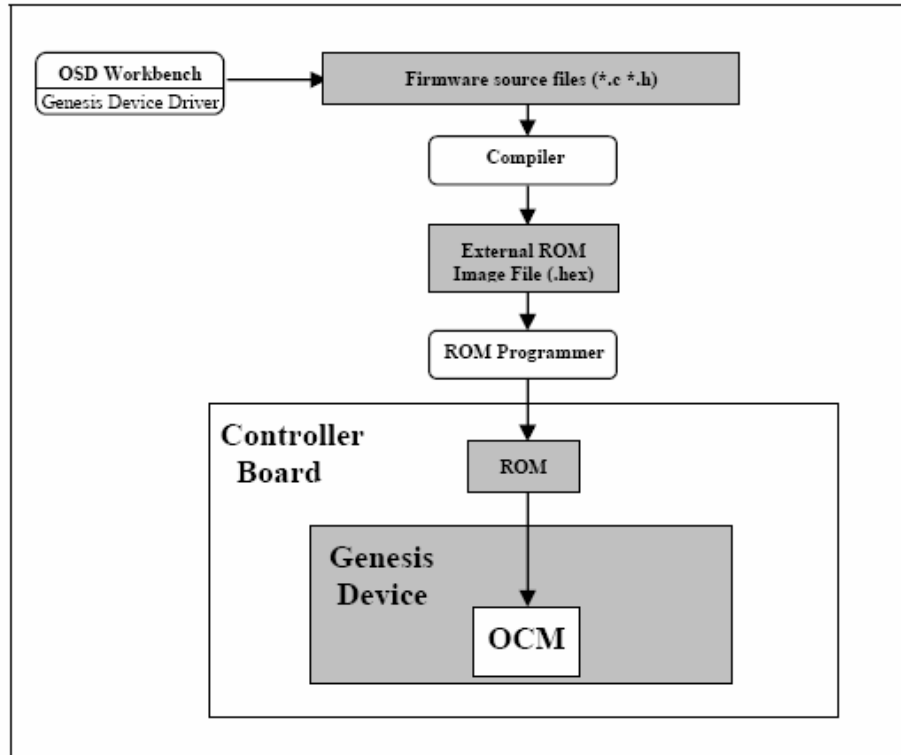


Figure 8-14 FLI8125 OCM Programming

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.

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.)

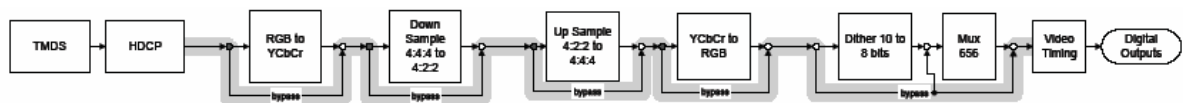


Figure 8-16 HDMI Video Processing Path

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

The operation of TV route

TV signal is processed to the tuner and output to MTK8205. The MTK8205 generates the vertical and horizontal timing signals for display device. Audio is processed to the tuner output to SIF circuit and output to 4450.

The operation of DTV route

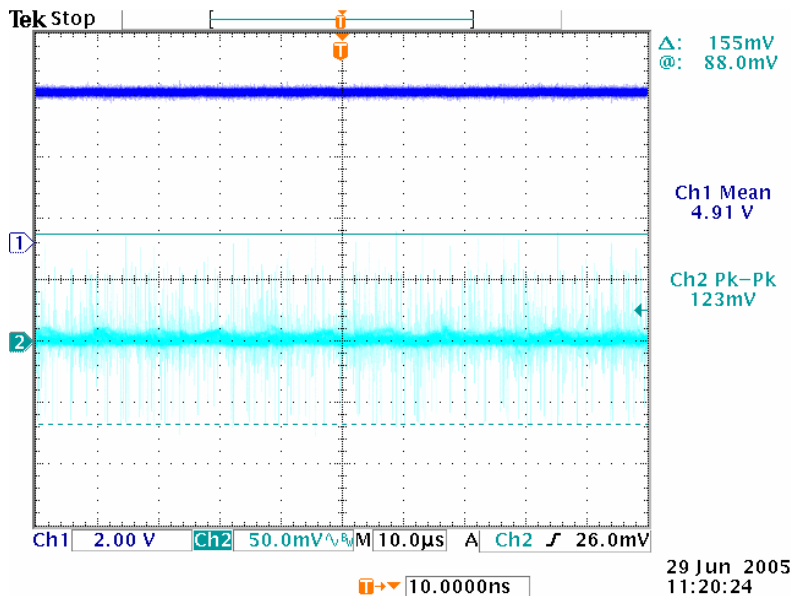
DTV signal is processed to the tuner and output to MT5112 who handles ATSC input to match MPEG-2 package, then transfer to MT5351. After passing through decoder, the signal will be with the YPbPr.

The signal by way of Switch to chip FL8532-LF

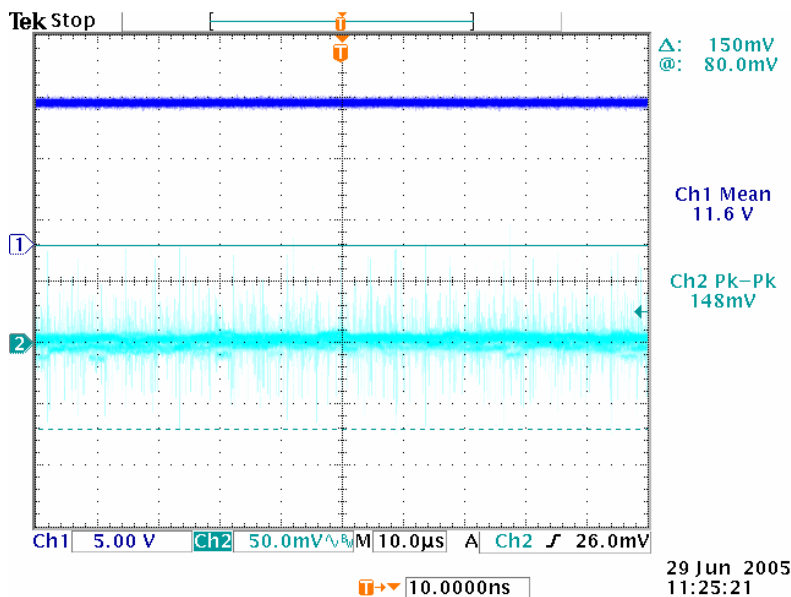
Chapter 9 Waveforms

1. Ripple Voltage

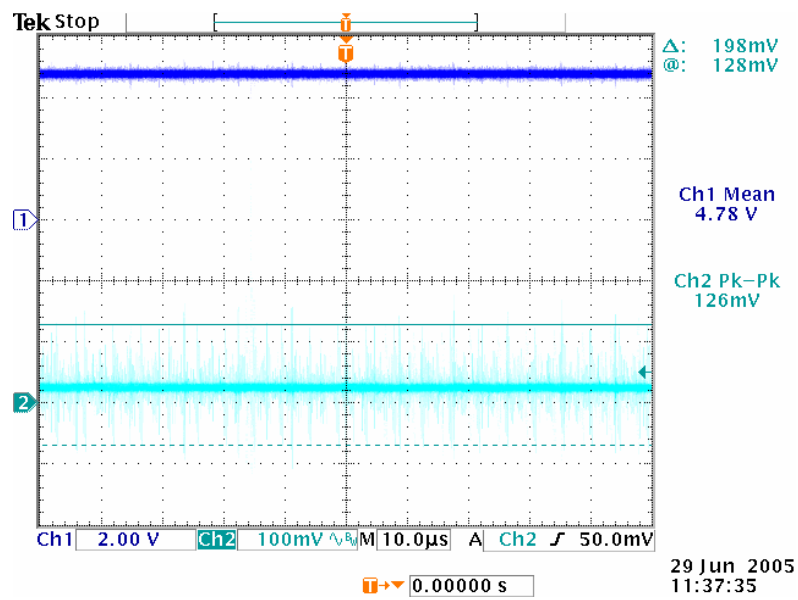
(1) PDP_+5Vsc (CN1.1)



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

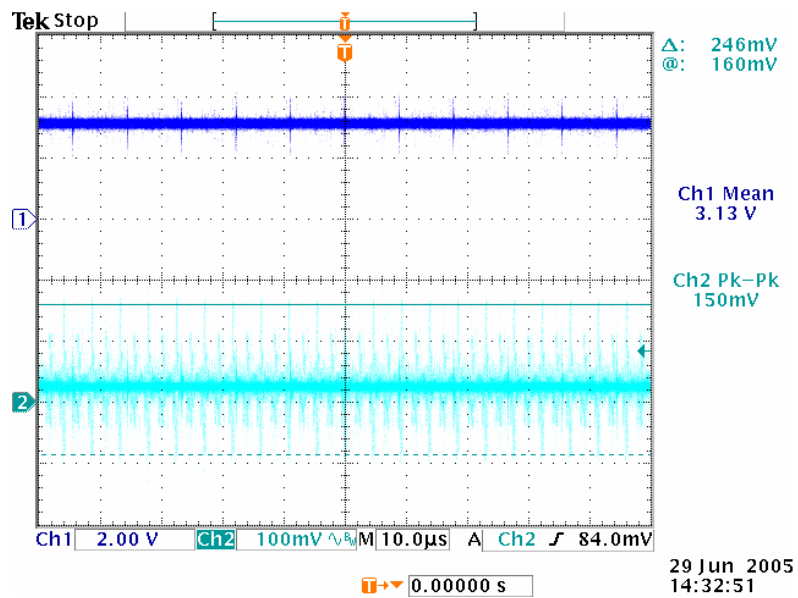


(3) PDP_+5Vsb (CN3.4)

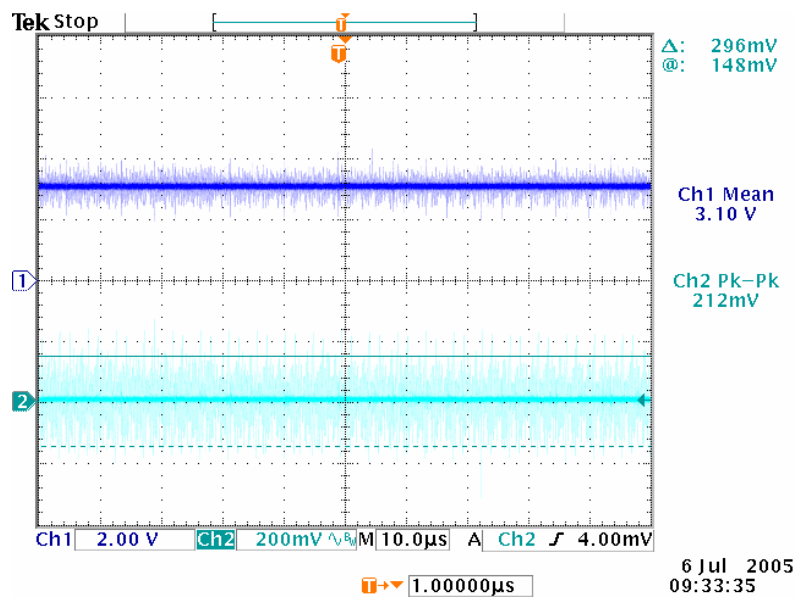


(4) FLI8125 (U10)

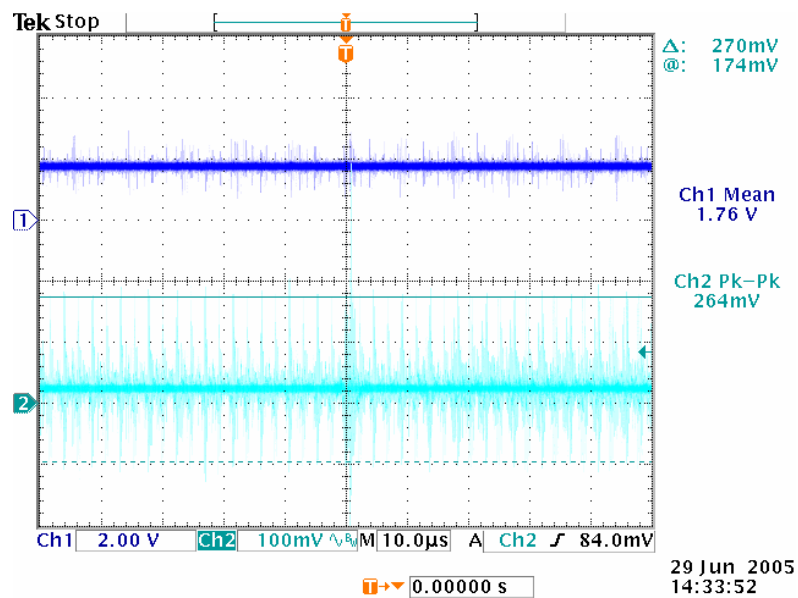
+3.3V_I/O_HUD



+3.3V_ADC_HUD

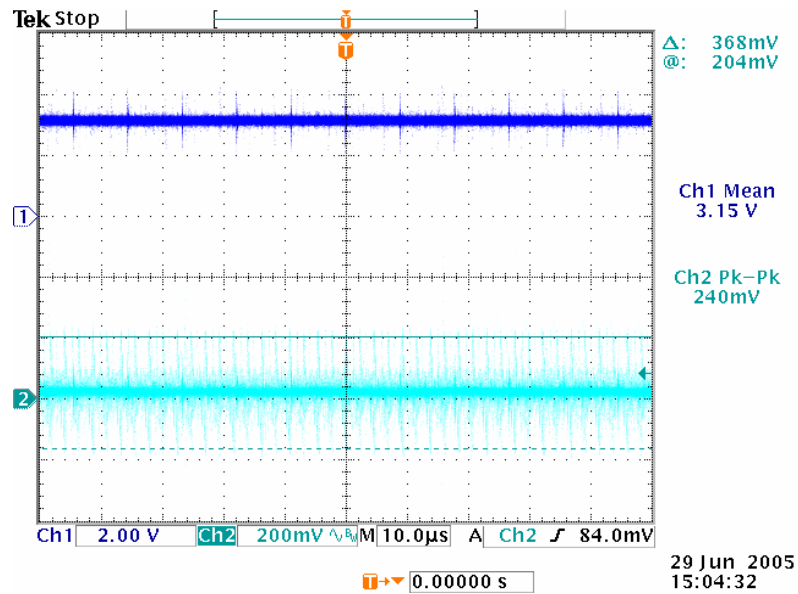


+1.8V_ADC_HUD

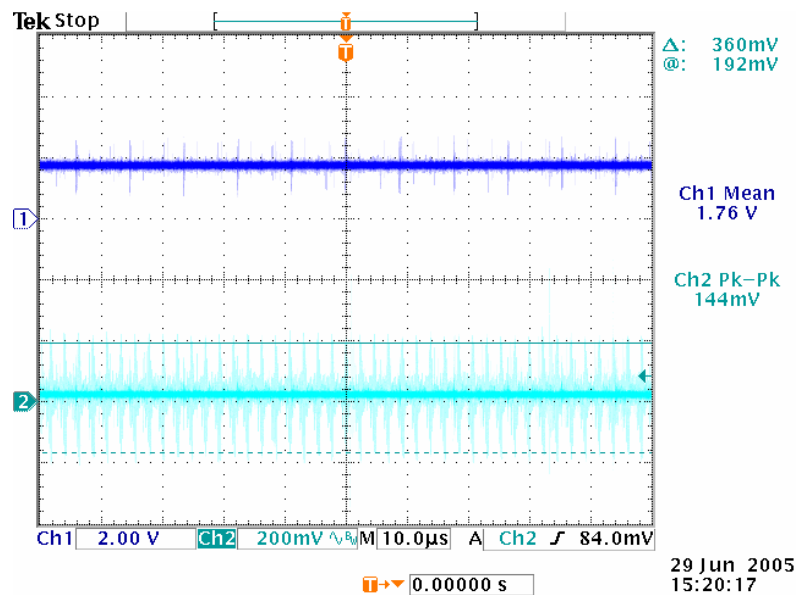


(5) FLI8532 (U13)

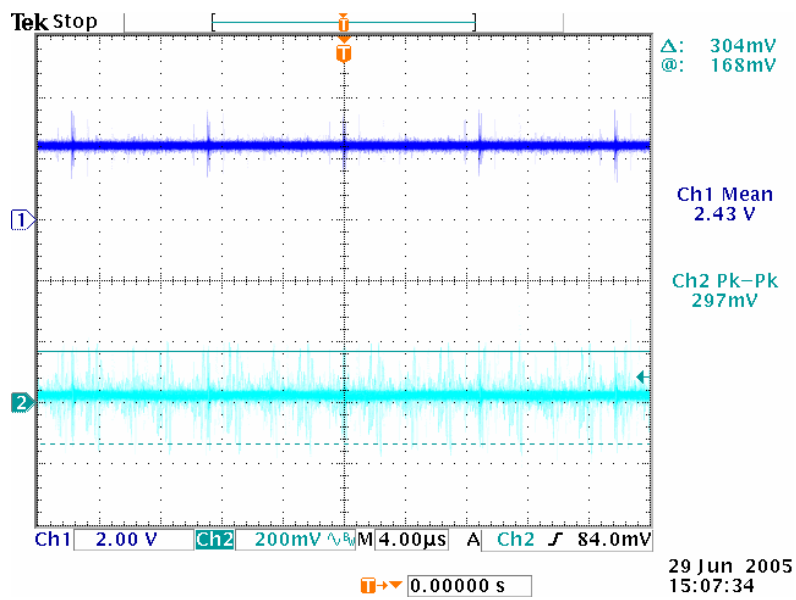
+3.3V_I/O



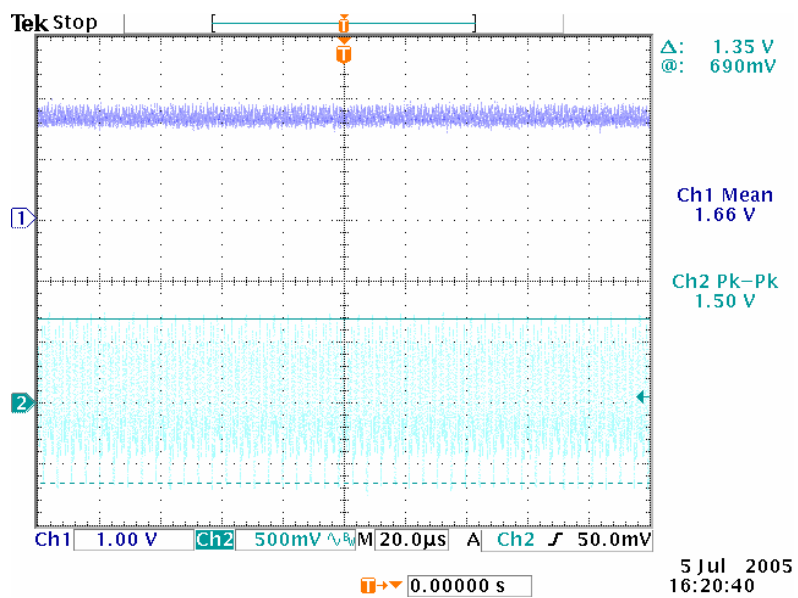
+1.8V_ADC



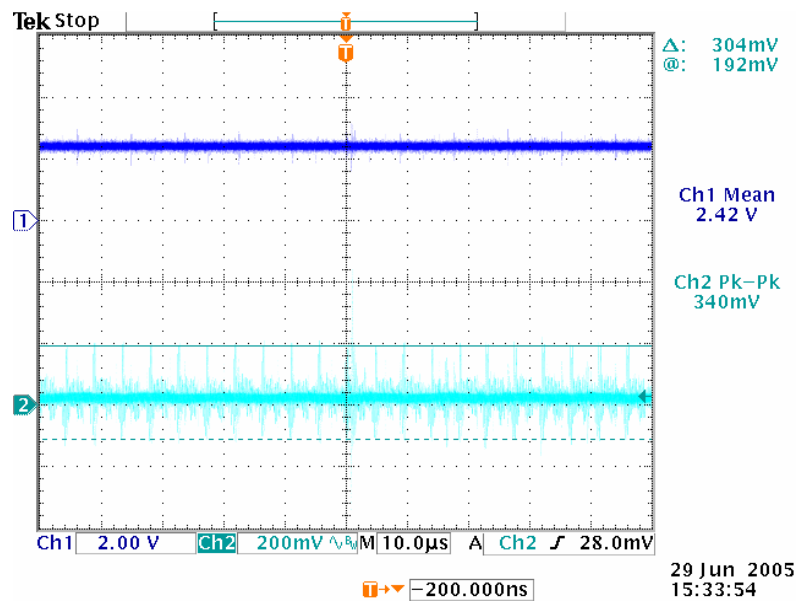
+2.5V_DDR



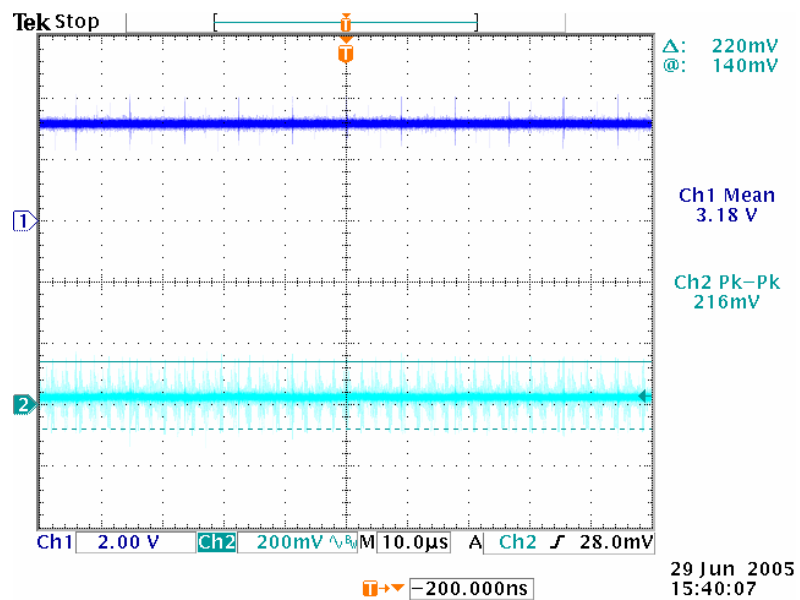
+1.8V_CORE



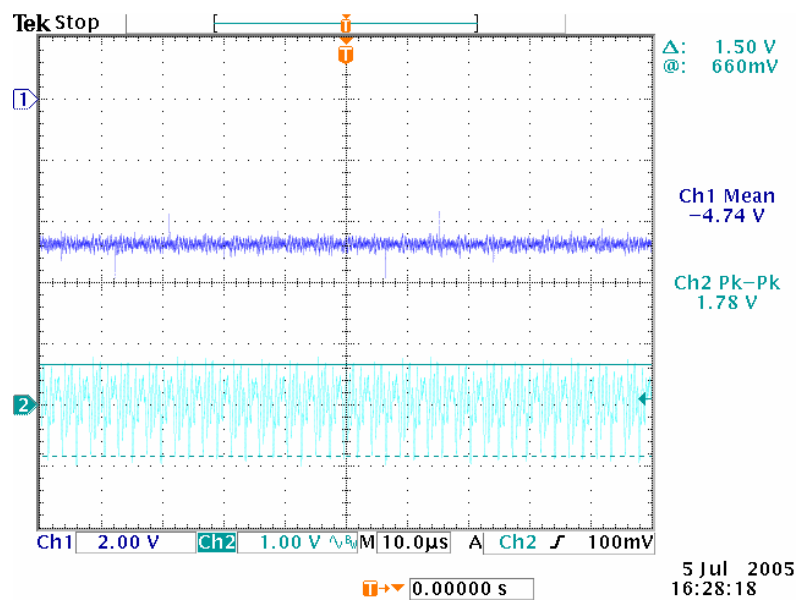
(6) NT5DS16M16CS-5T (U16, U17)



(7) Am29LV320DT90-ED (XU1)

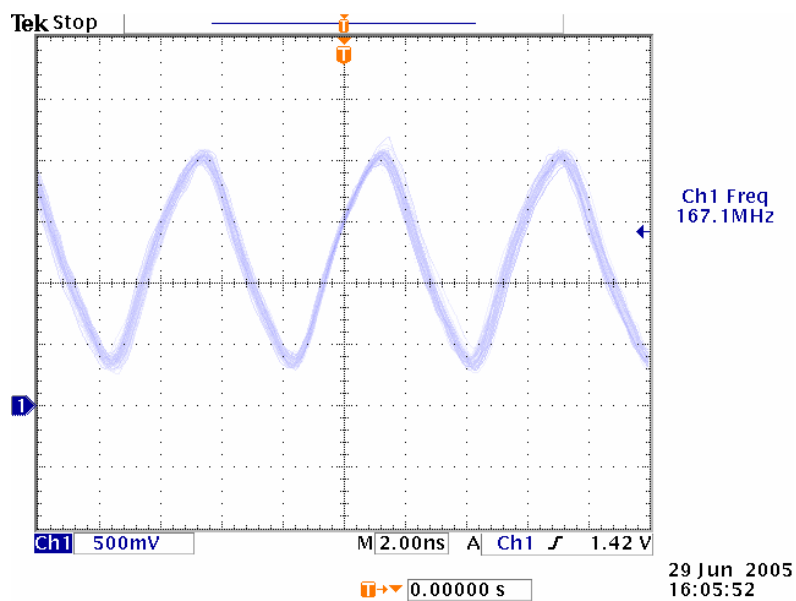


(8) LM2660 (-5V_N of the U29)



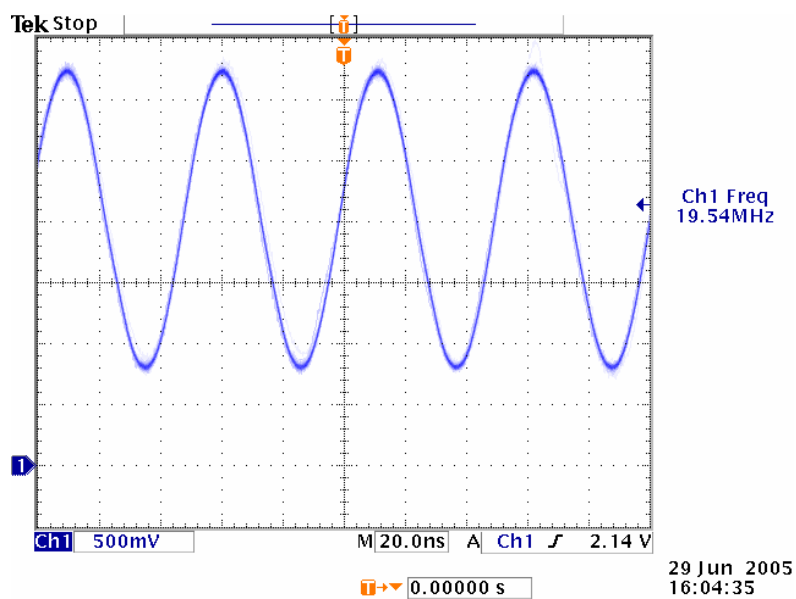
2. Clock Timing

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

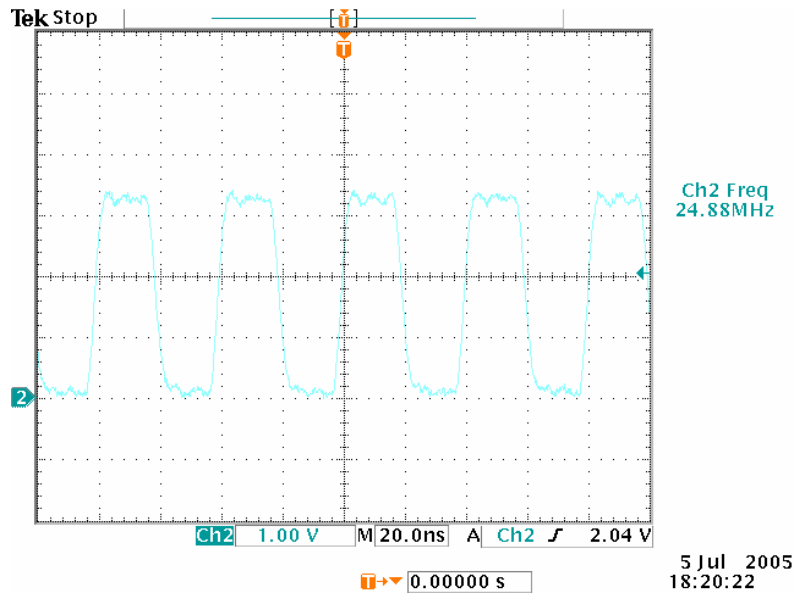


(2) FLI8125

Crystal clock (pin 15 of the U10)

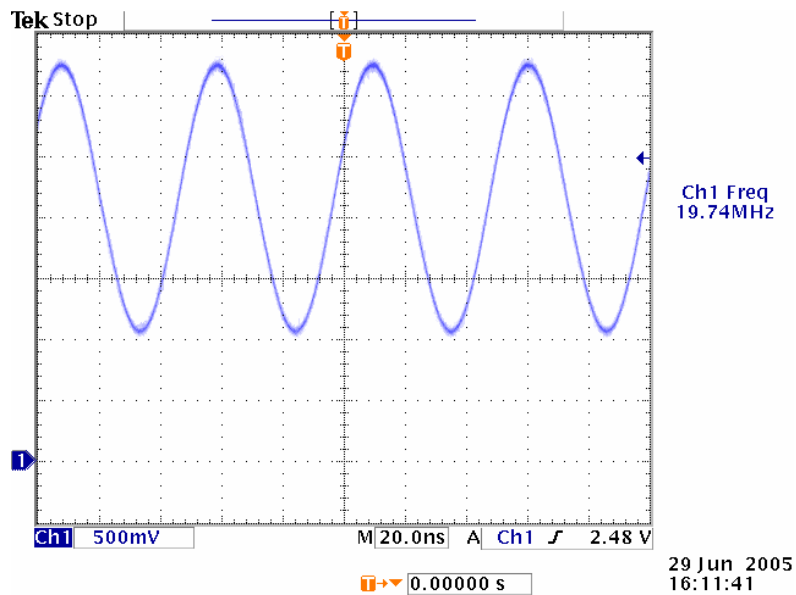


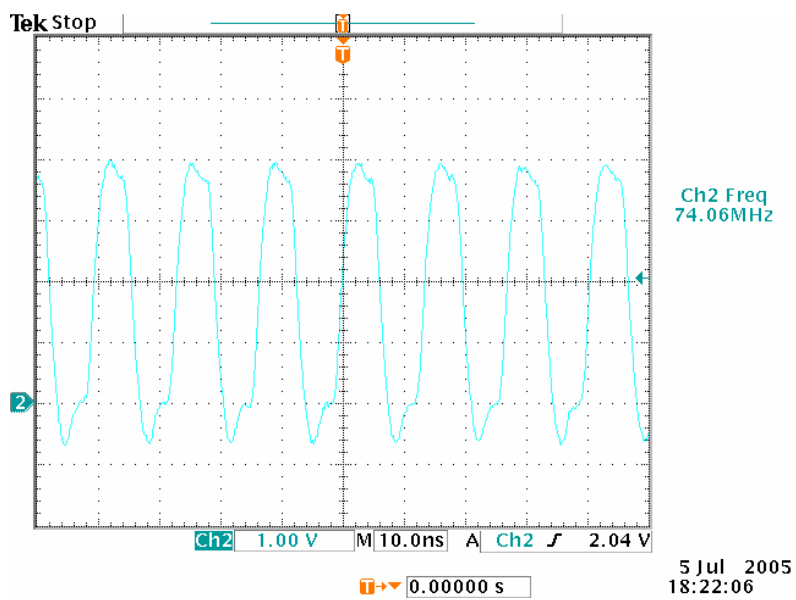
Hudson output clock



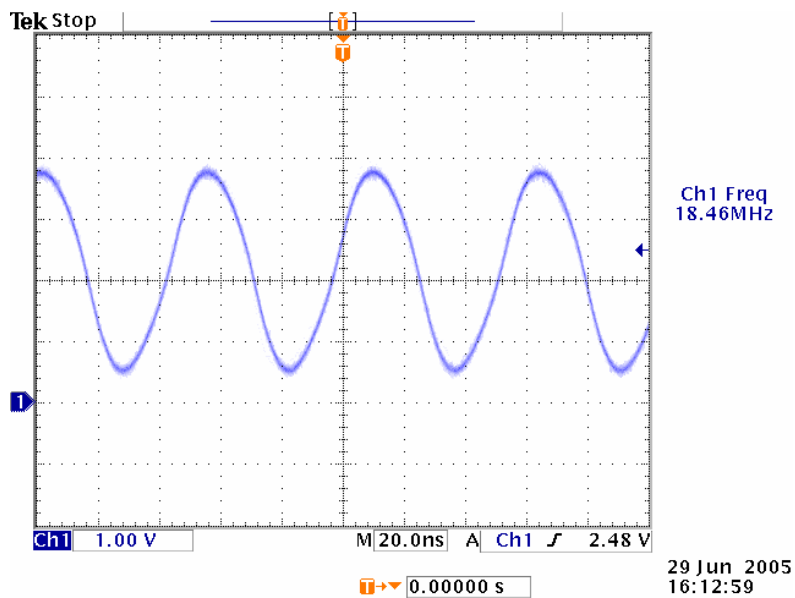
(3) FLI8532

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

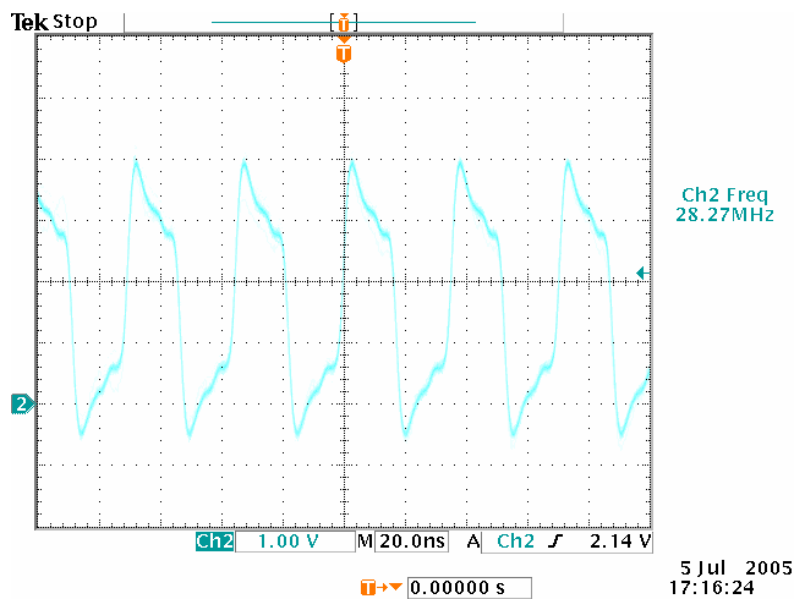




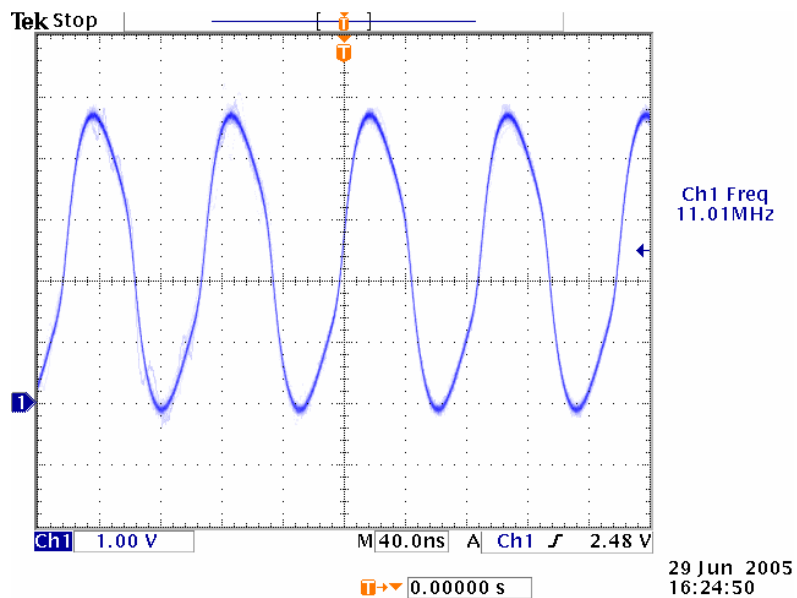
(4) MSP4450G crystal clock (pin 55 of the U32)



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



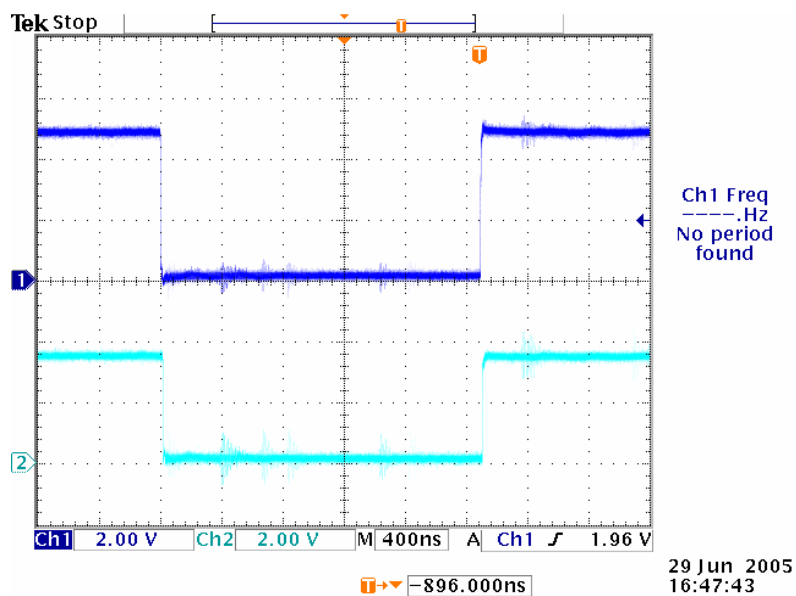
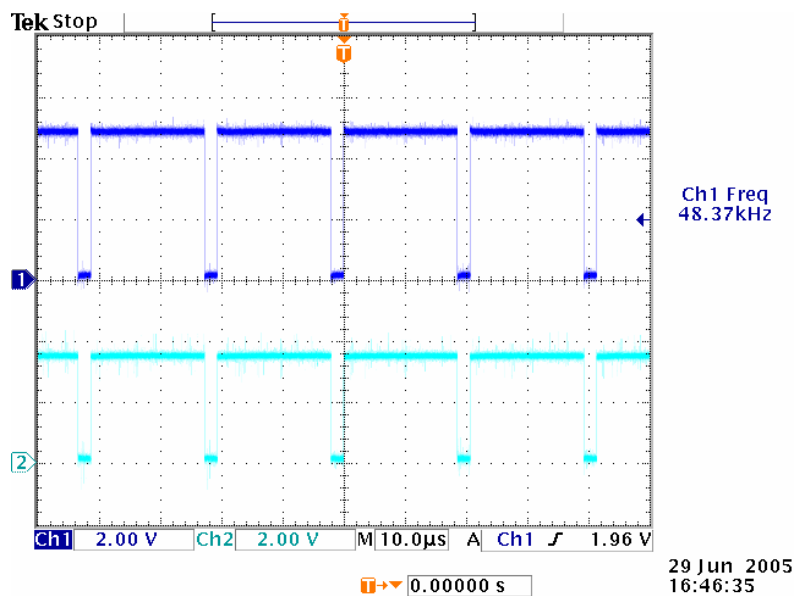
(6) IC SM5964C40J crystal clock (pin 20 of the U38)



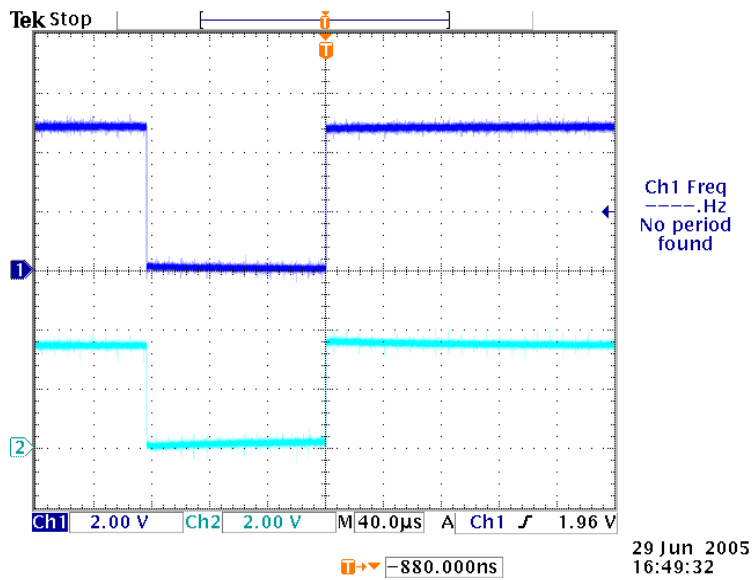
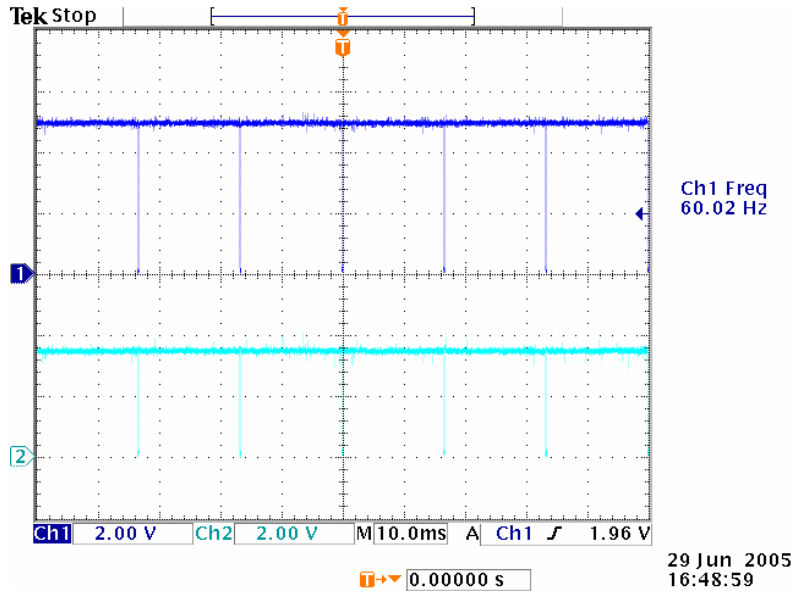
3. Horizontal and Vertical sync. Timing

(1) VGA input (1024x768x60Hz)

H-sync

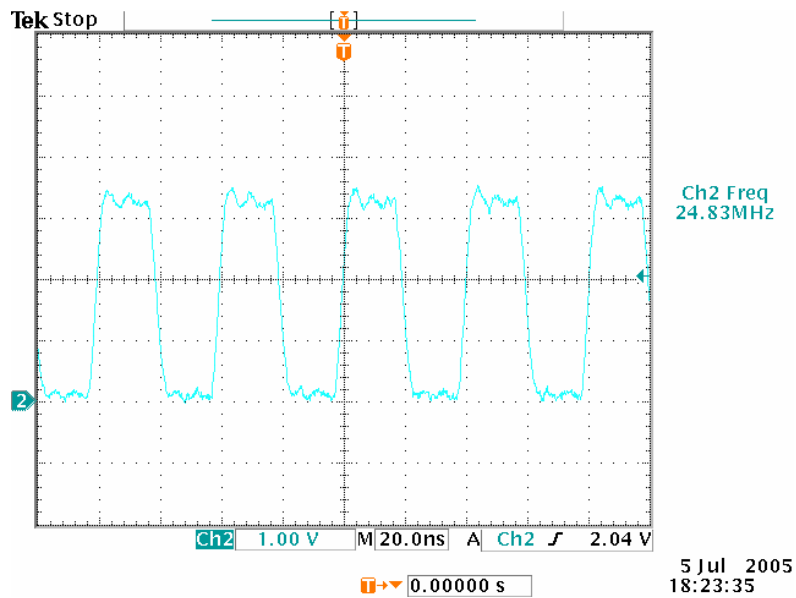


V-sync

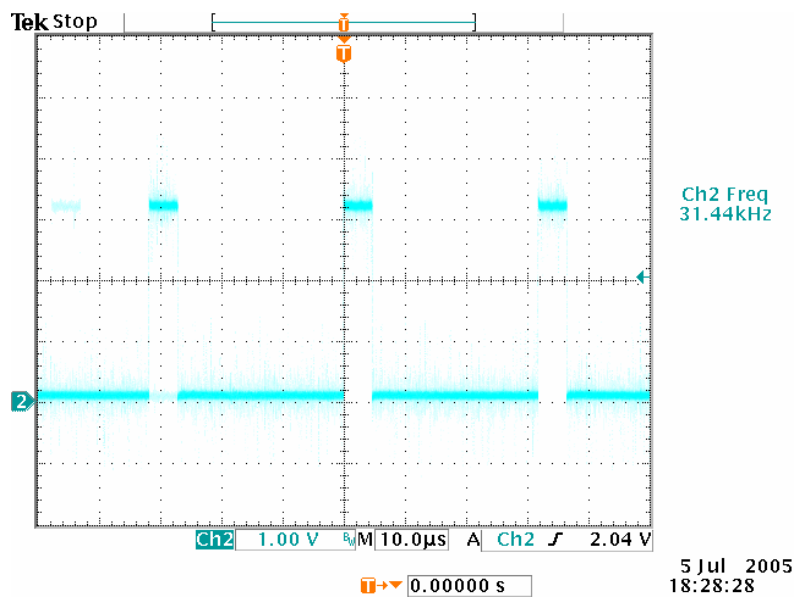


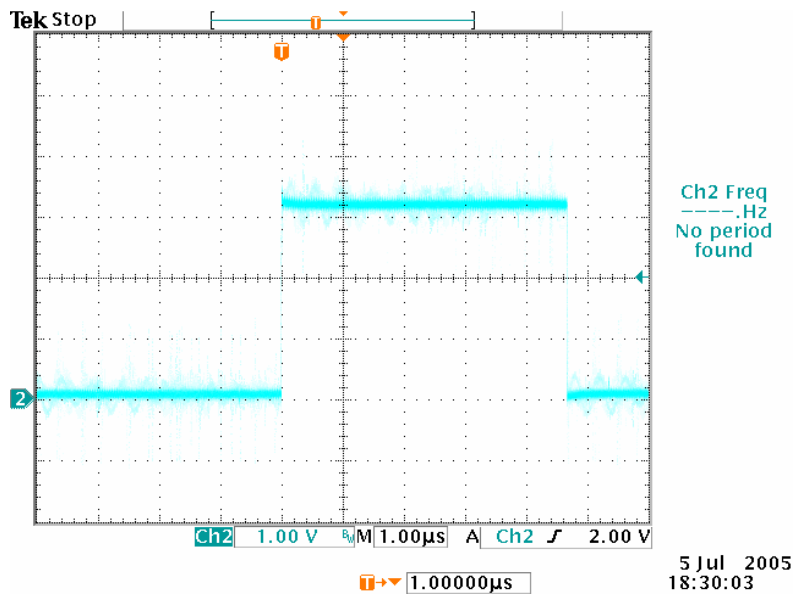
(2) Sil9011CLU (U35 and U42)

CLK

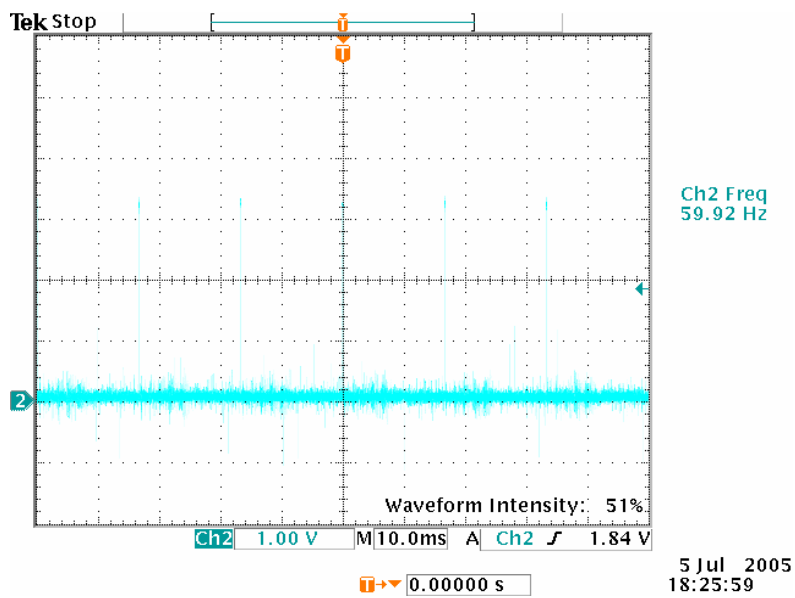


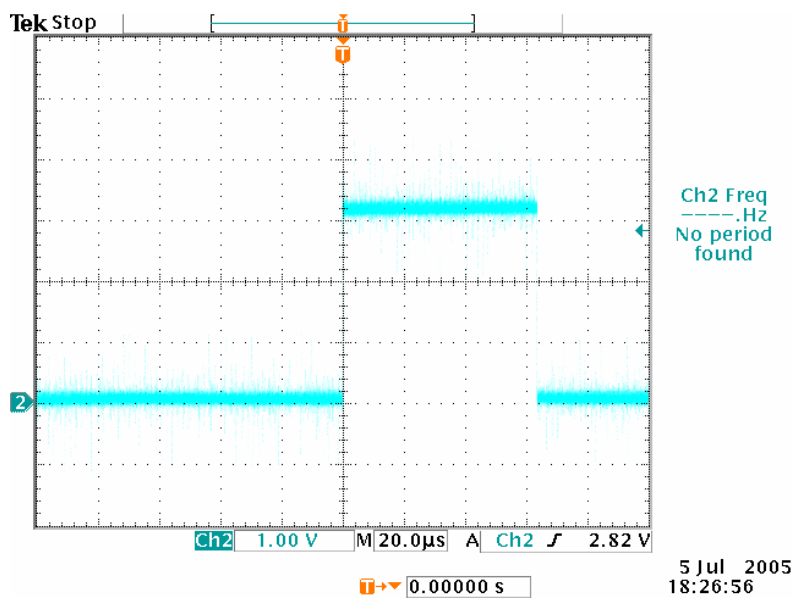
BHS-sync





BVS-sync

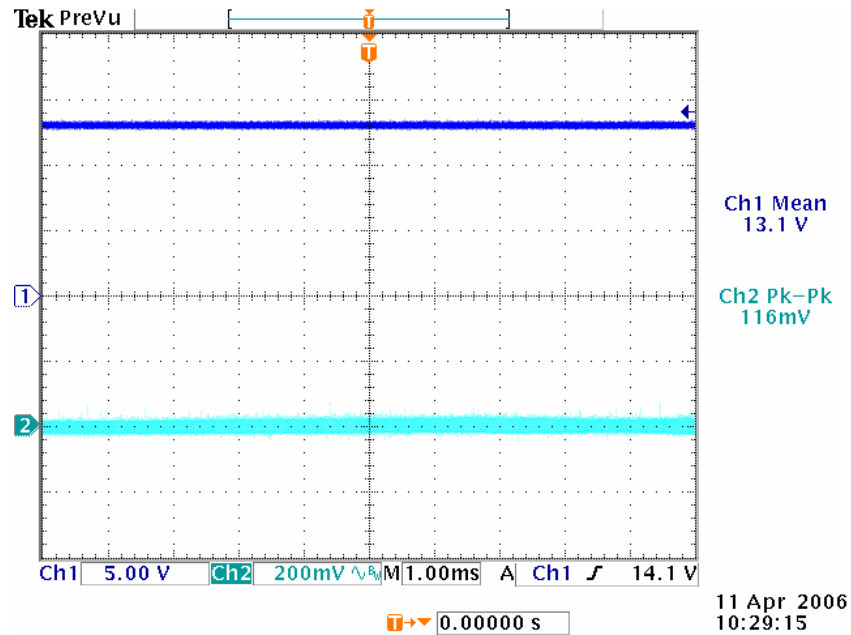




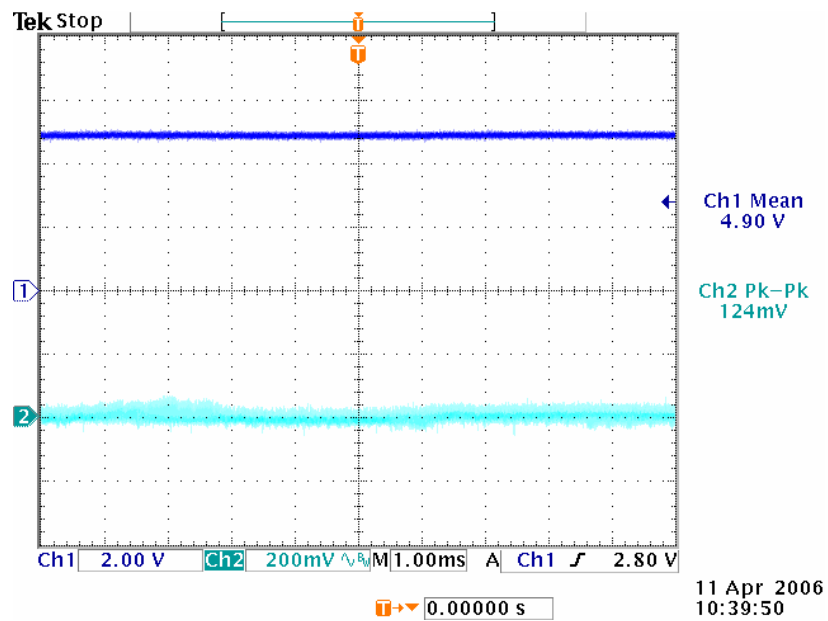
ATSC Board

1. Voltage Measurement

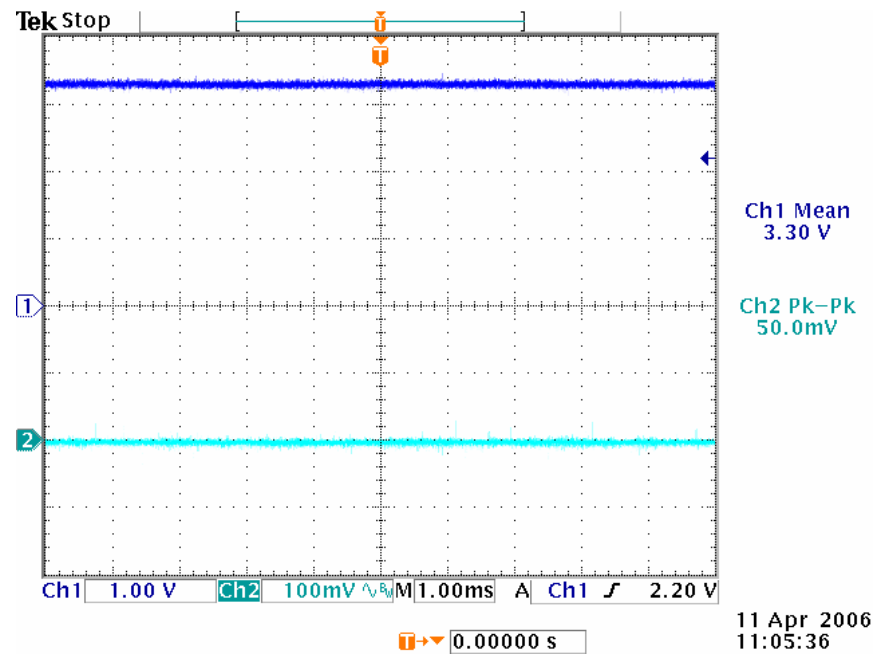
(1) 12V (+12V, C4)



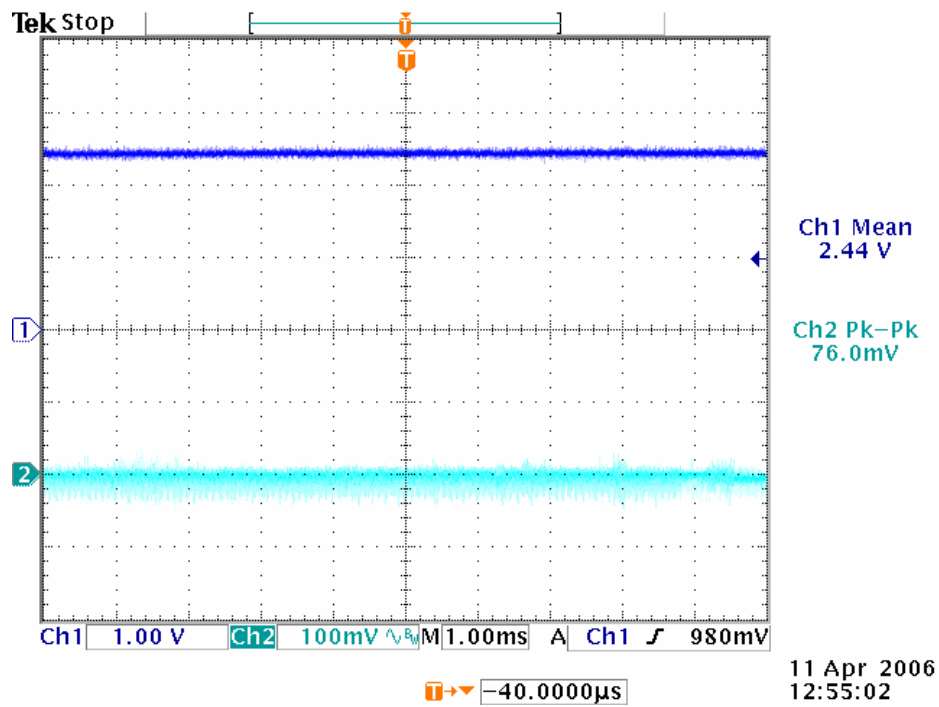
(2) 5V (+5V, C239)



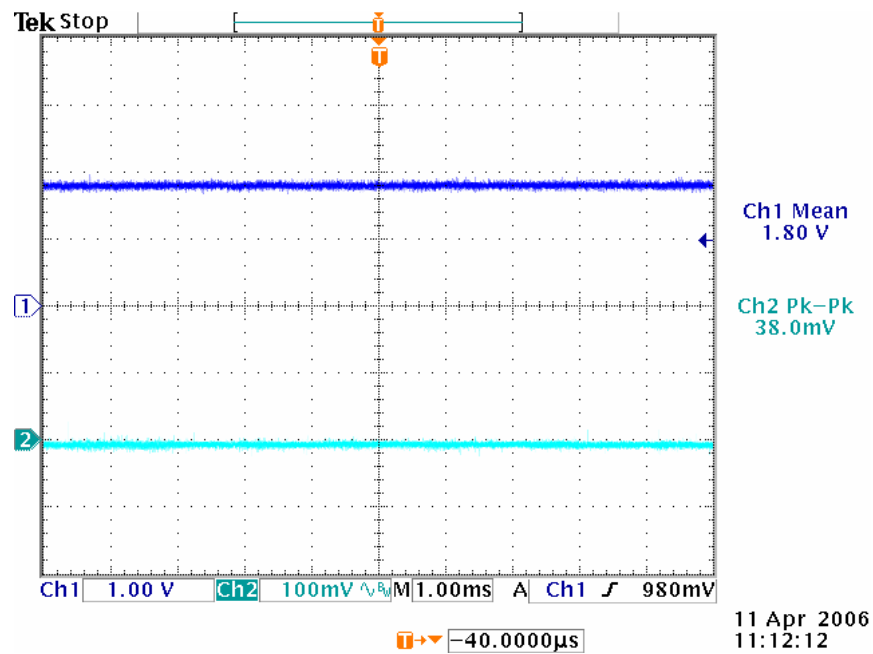
(3) 3.3V (DV33, C11)



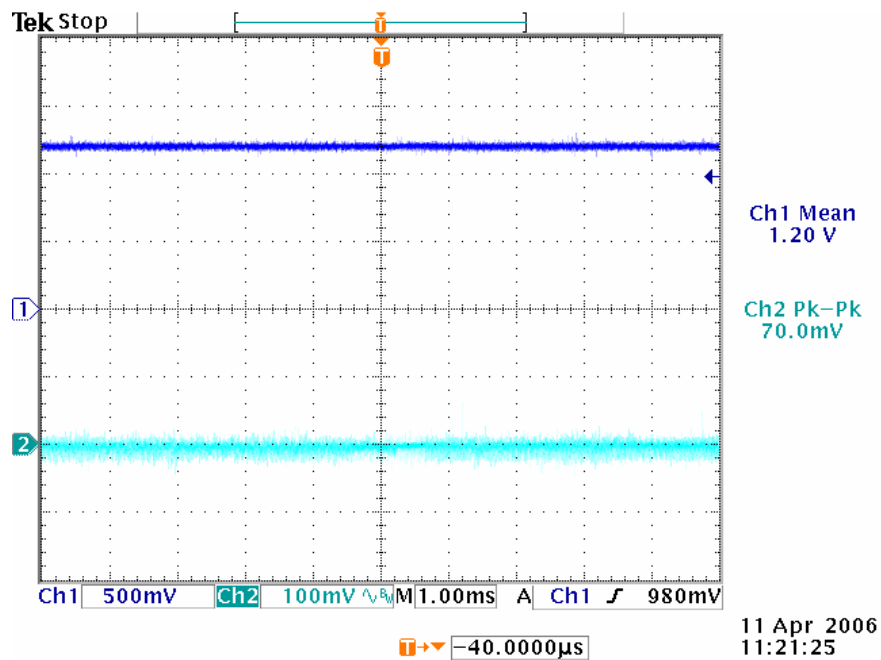
(4) 2.5V (DV25, C185)



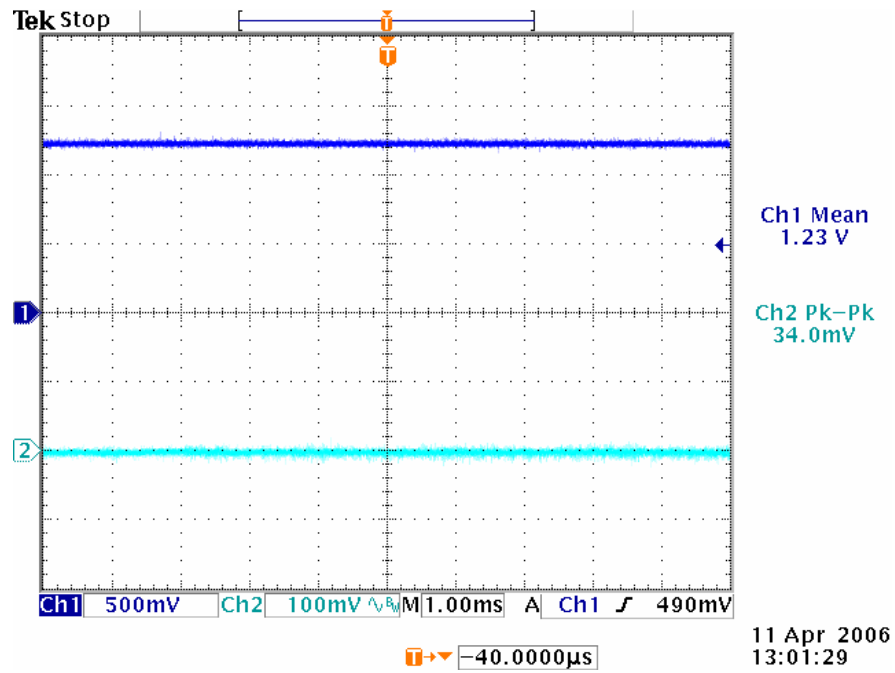
(5) 1.8V (DV18, C64)



(6) 1.25V (+1V25_DDR, C148)

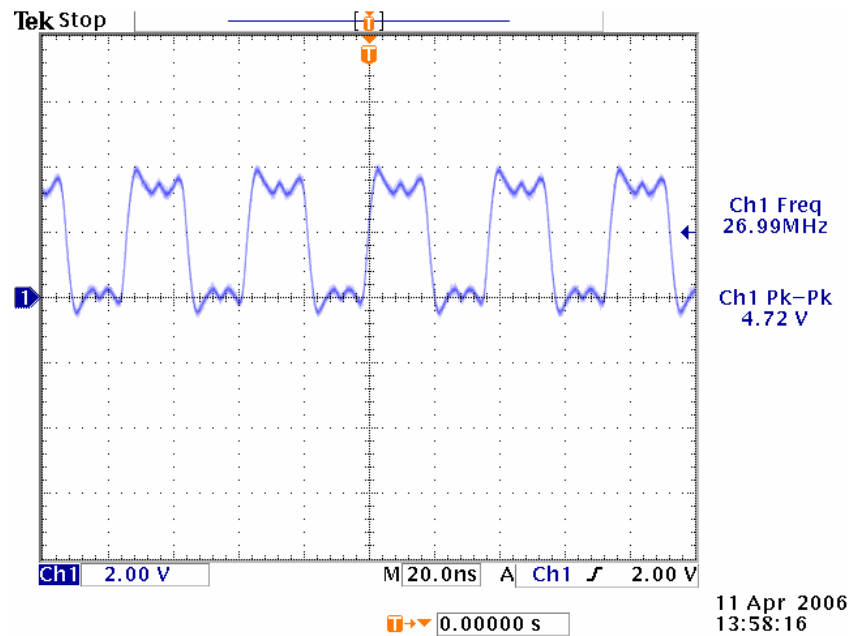


(7) 1.2V (DV12, C26)

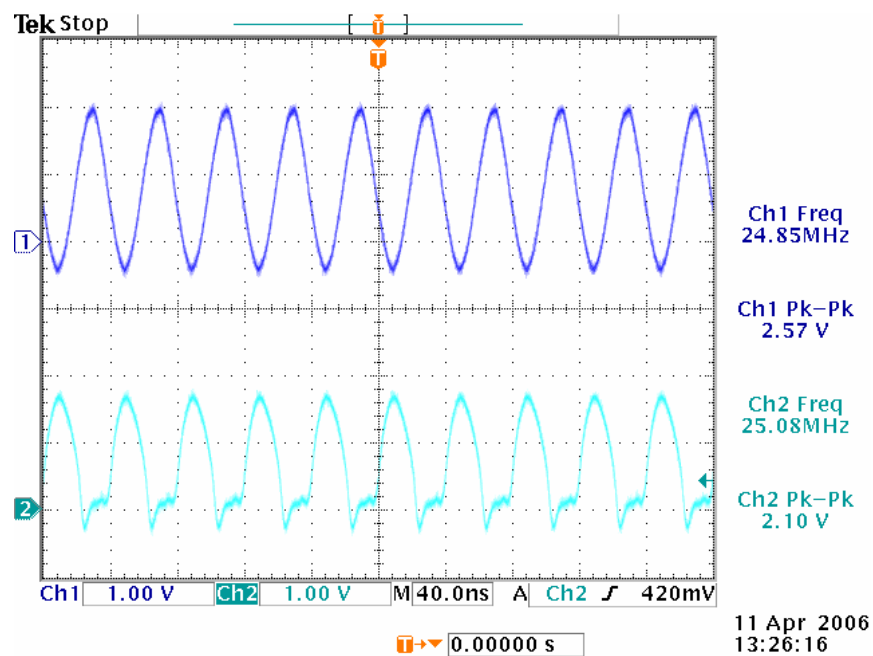


2. Clock Timing

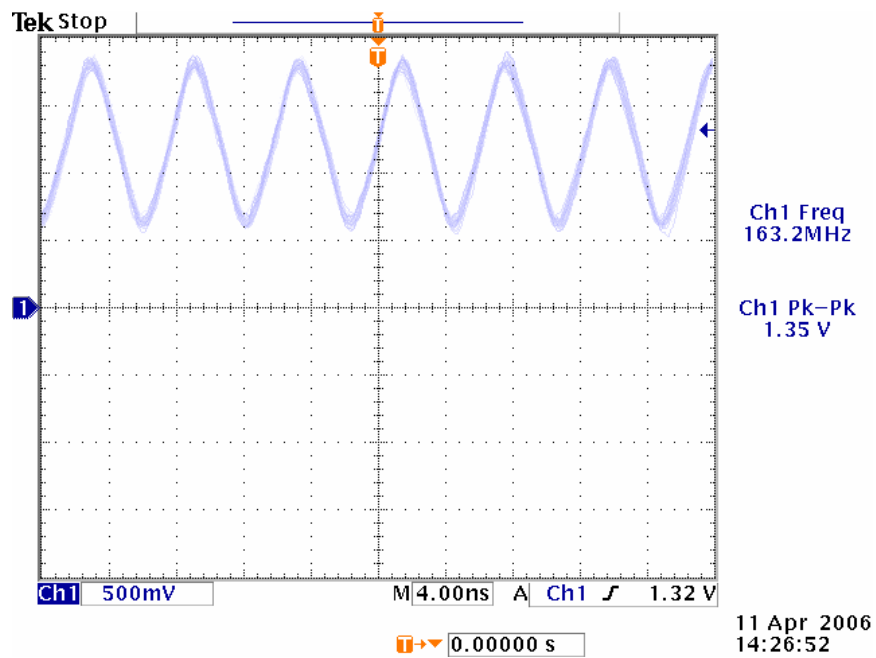
(1) MT5351 Clock Timing (U10 B2-OXTALI)



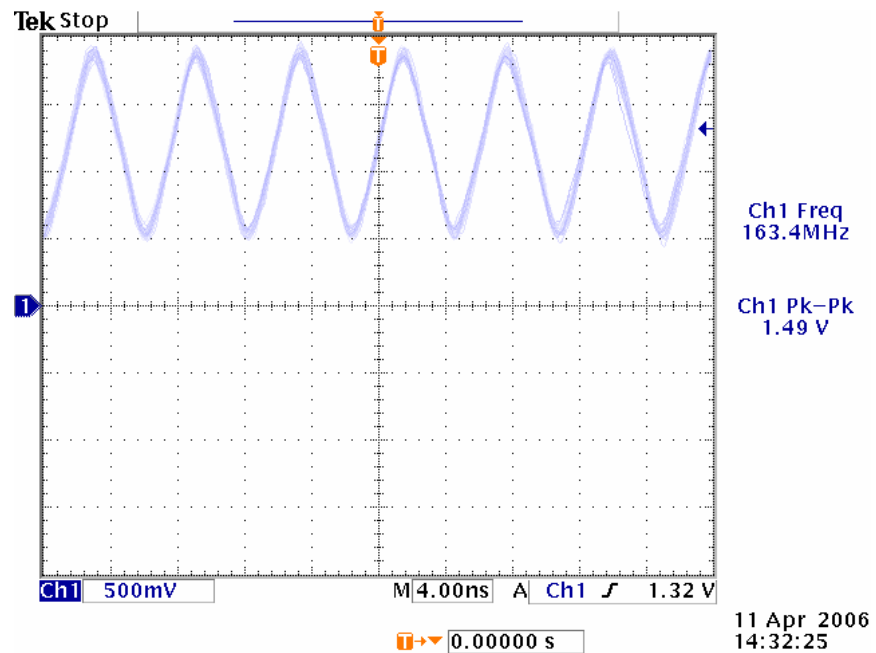
(2) MT5112 Clock Timing (U9 97-XTAL1 / 96-XTAL2) Ch1 – XTAL1 / Ch2 – XTAL2



(3) Memory Clock Timing (U13-45, MEM_CLKA)

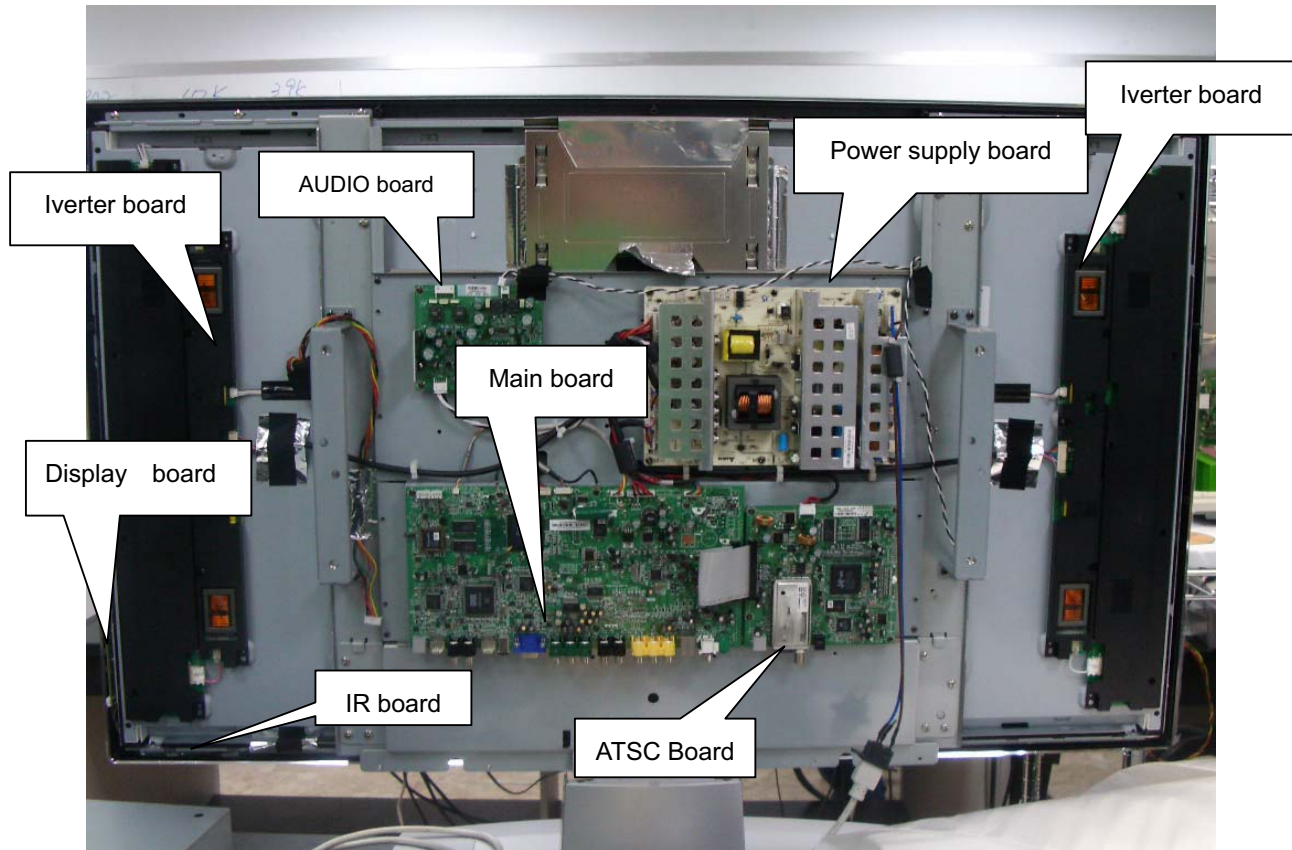


(4) Memory Clock Timing (U12-45, MEM_CLKA)



Chapter 10 Trouble Shooting

A. SYSTEM OVERVIEW

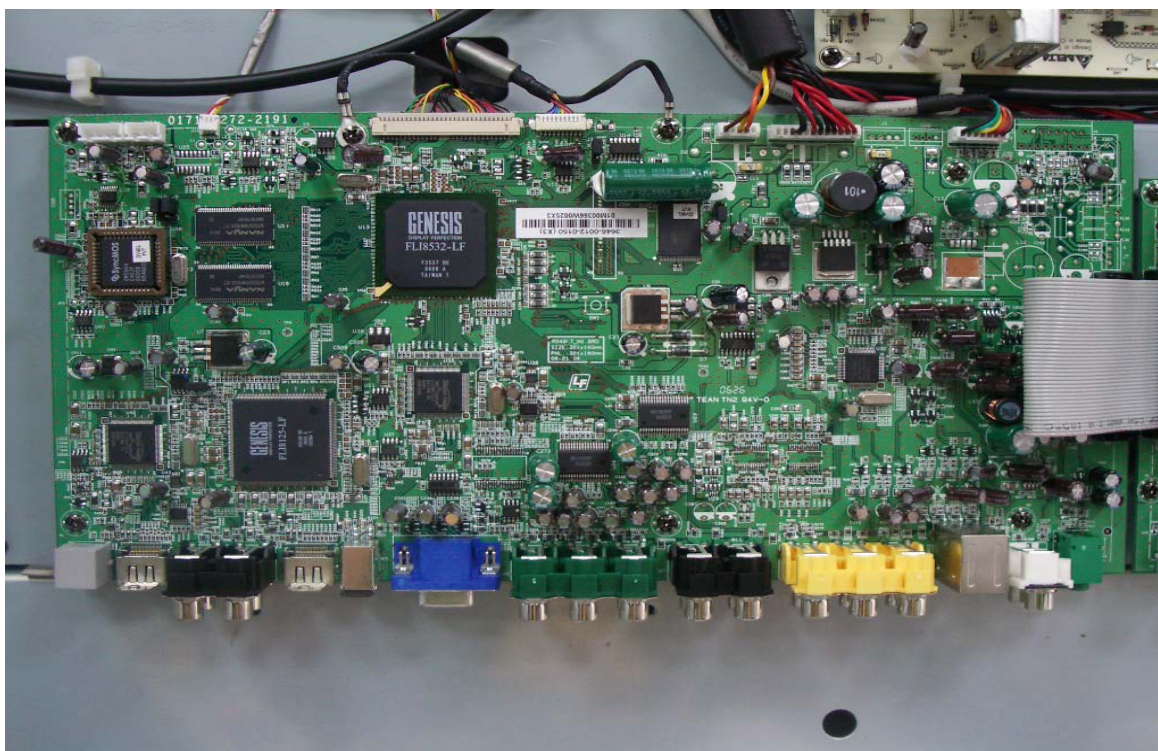


B. PCB PARTS NAME/NUMBER AND FUNCTION DESCRIPTION

PART NAME	PART NUMBER	FUNCTION DESCRIPTION
POWER SUPPLY BOARD		PROVIDE ALL THE POWER FOR TV SET
MAIN BOARD	364600120150	CONNECTING TO TRANSFER DISPLY SIGNAL TO PDP SET, AMPLIFIER THE AUDIO SIGNAL TO THE SPEAKER
IR BOARD	364600120189	RECEIVE THE REMOTE CONTROLER AND DISPLAY SYSTEM STATUS LED
DISPLAY BOARD	364600120156	KEYPAD FUNCTION FOR MANUAL OPERATE TV
ATSC BOARD	364600120190	DTV/TV MODLE
AUDIO BOARD	364600120137	

C. BOARD PICTURE

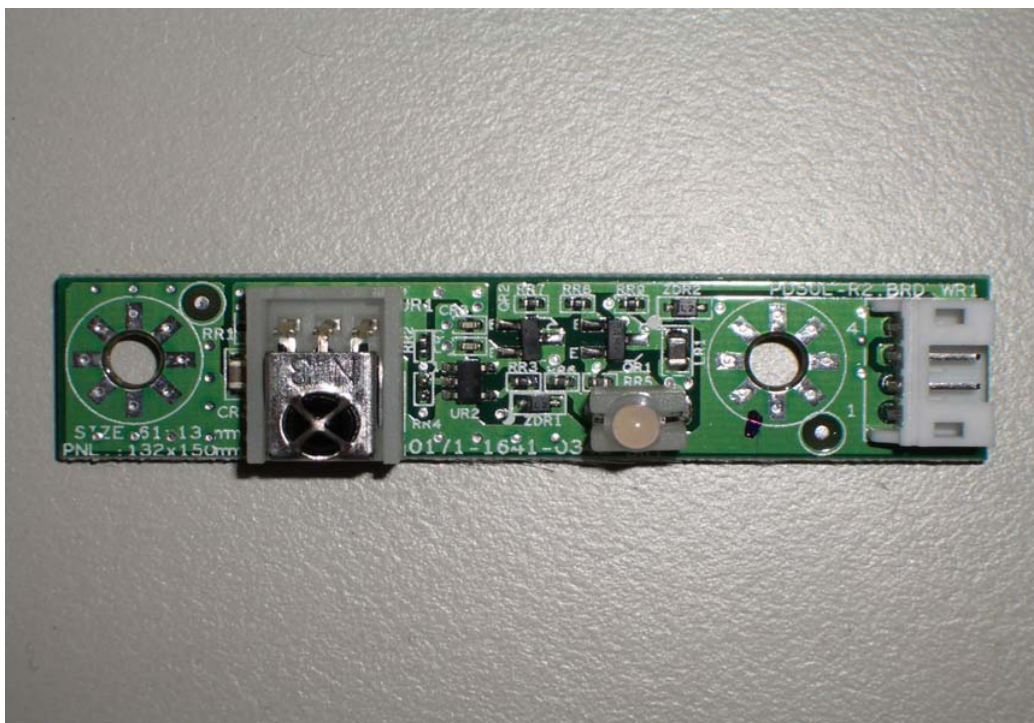
MAIN BOARD



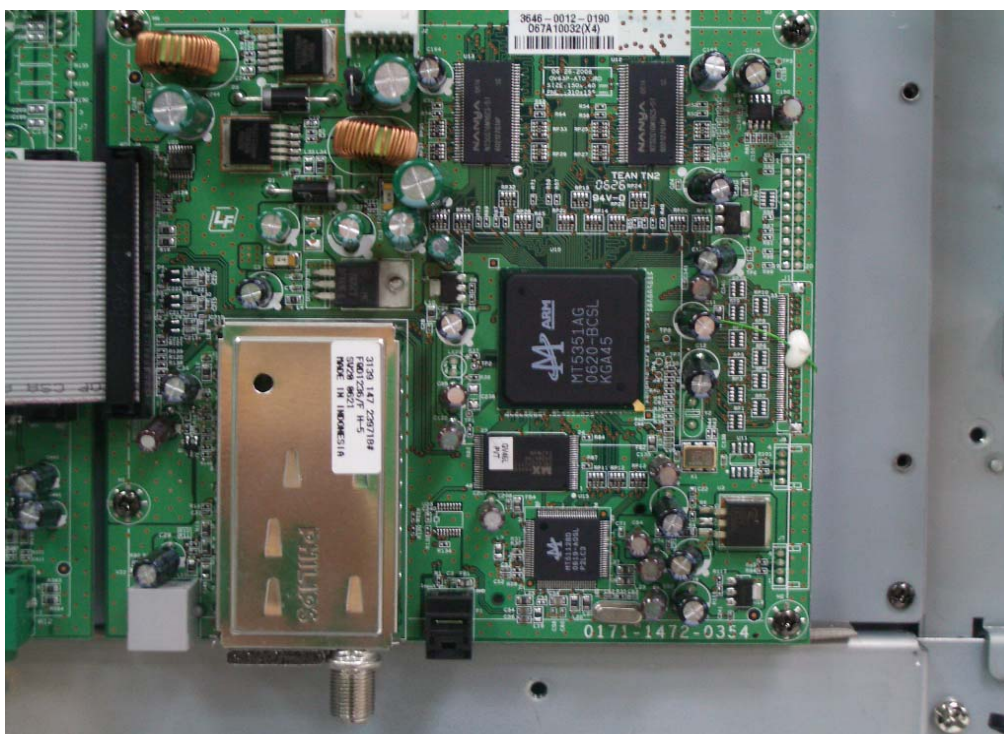
DISPLAY BOARD



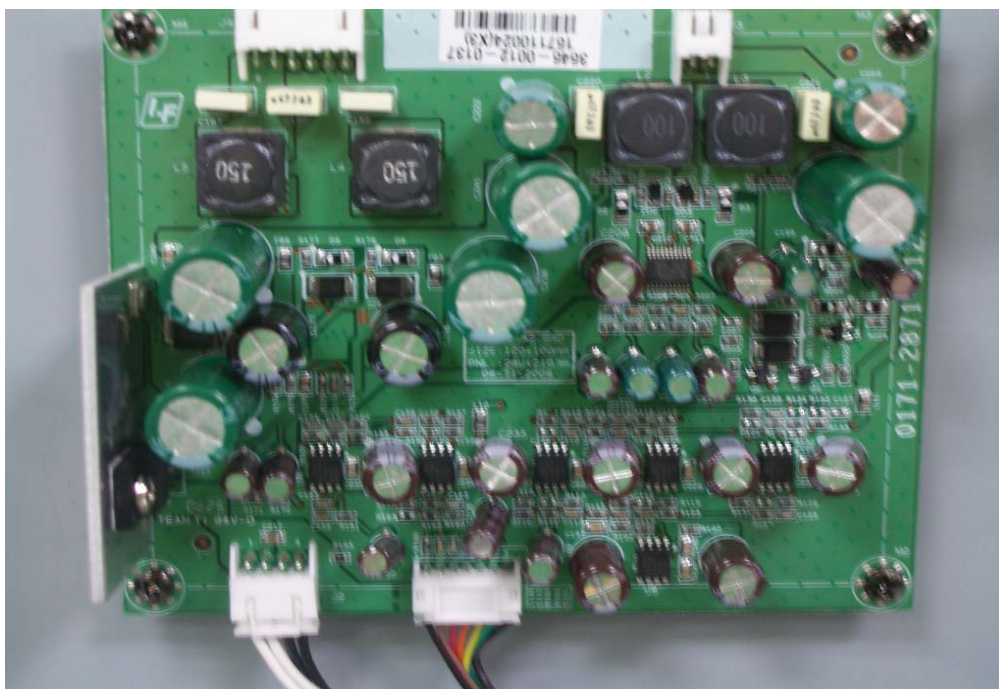
IR BOARD



ATSC BOARD

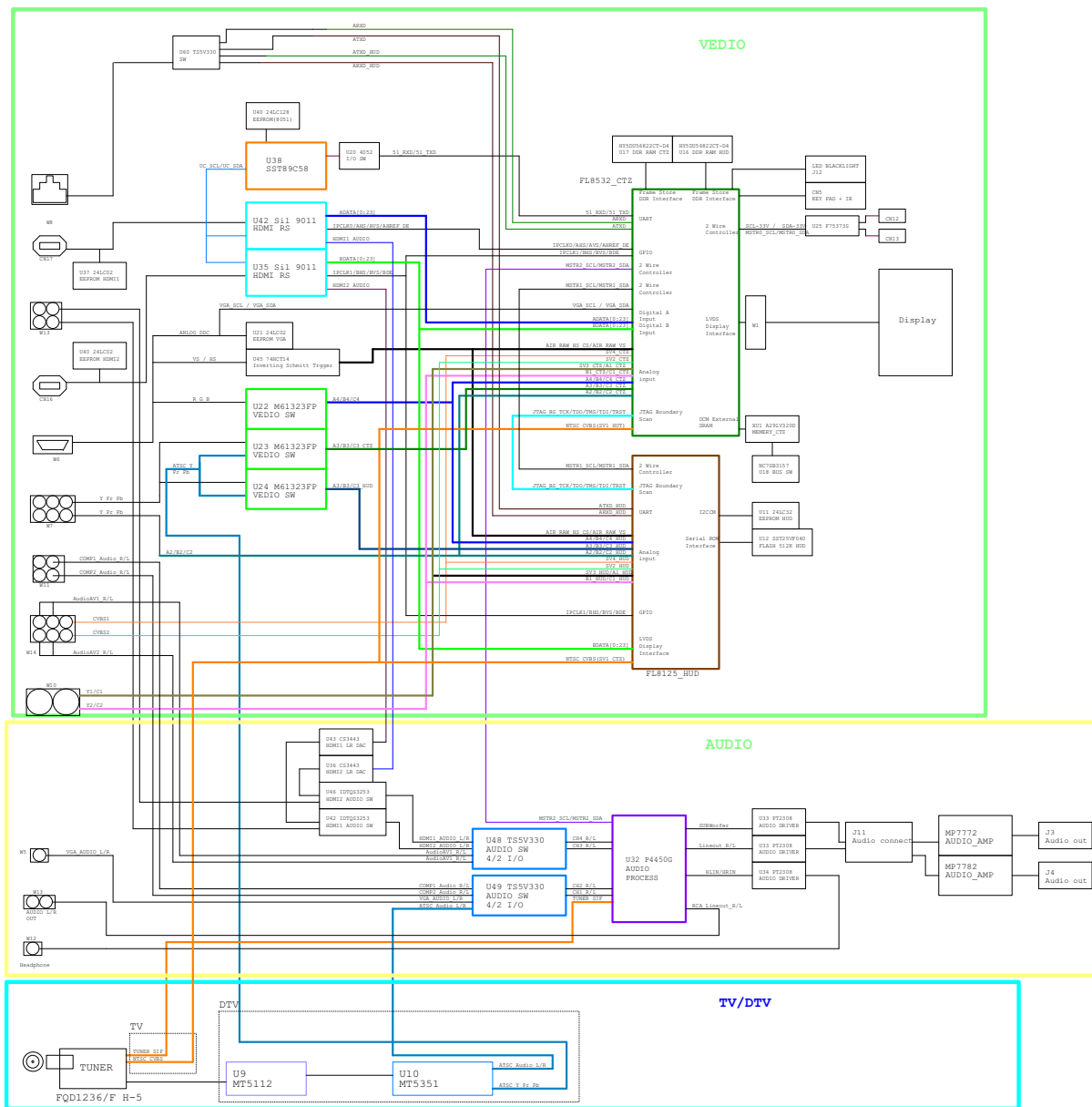


AUDIO BOARD

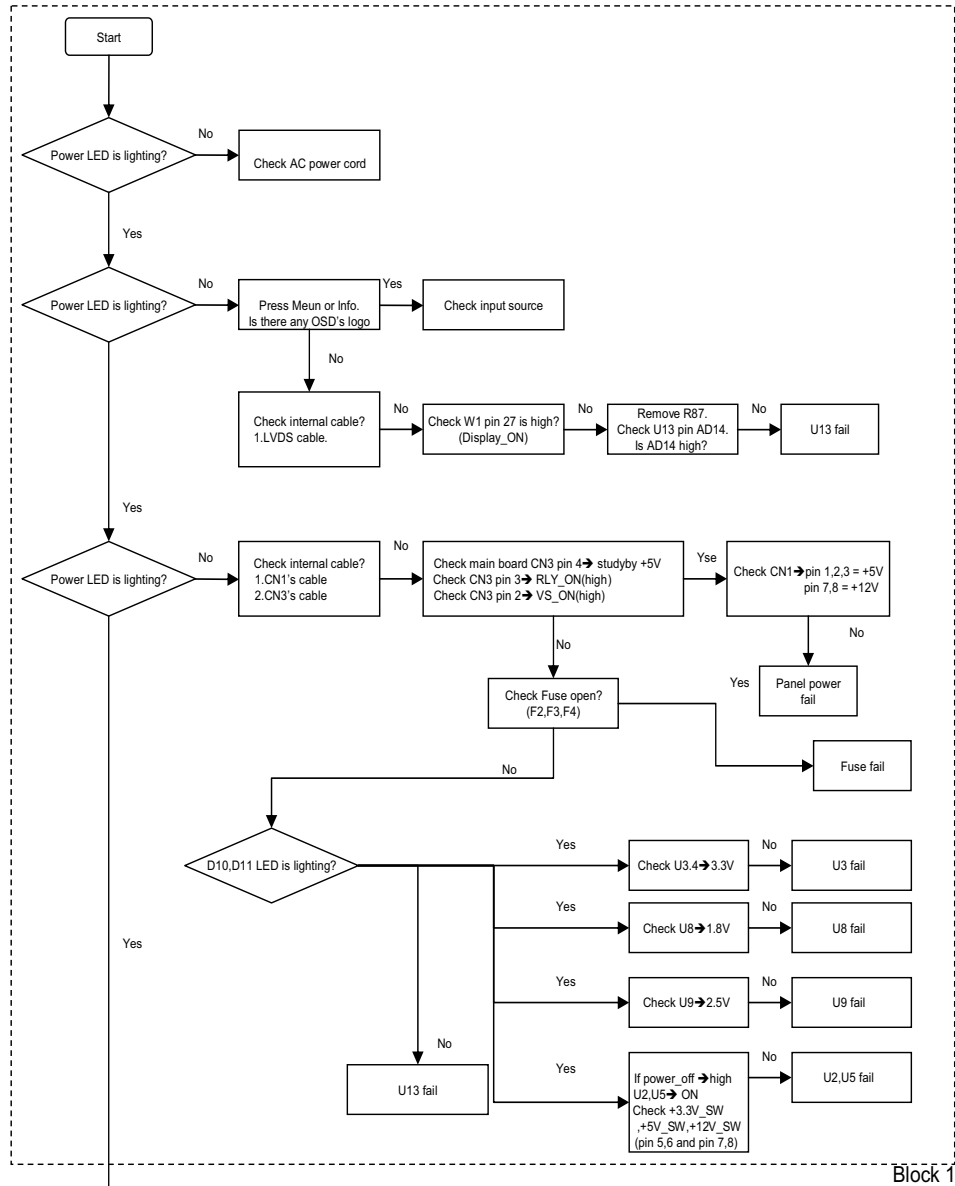


PDP DISPLAY NOTHING

1. Main board & ATSC board block diagram

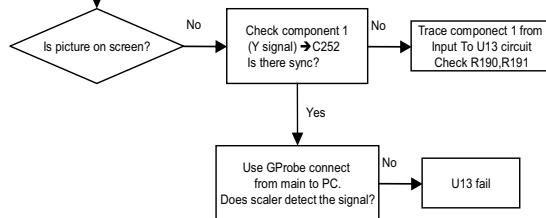


LCD DISPLAY NOTHING(Analog HD1/AC on/off default)



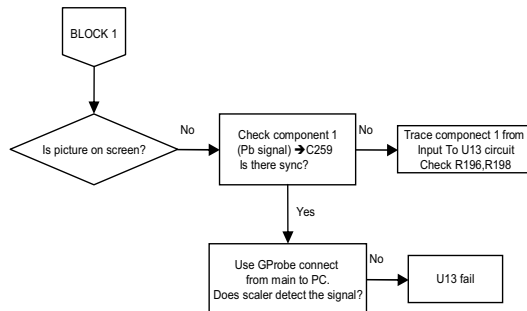
Block 1

LCD DISPLAY NOTHING(Analog HD1 without Y signal)

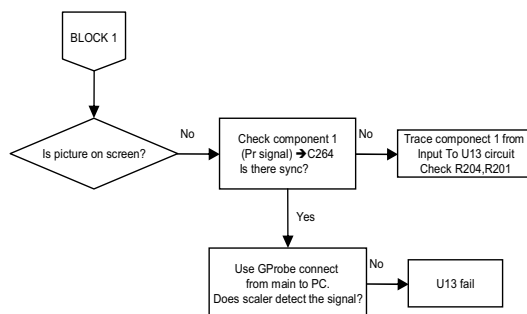


1

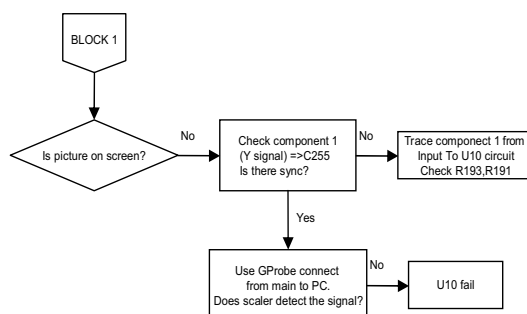
LCD DISPLAY NOTHING(Analog HD1 without Pb signal)



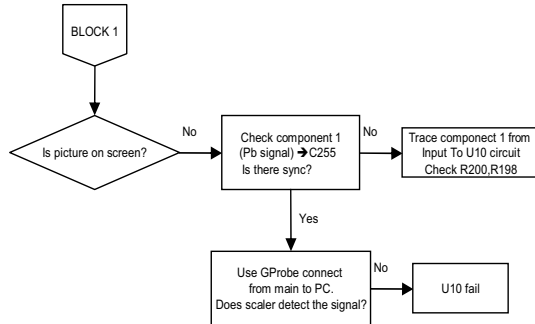
LCD DISPLAY NOTHING(Analog HD1 without Pr signal)



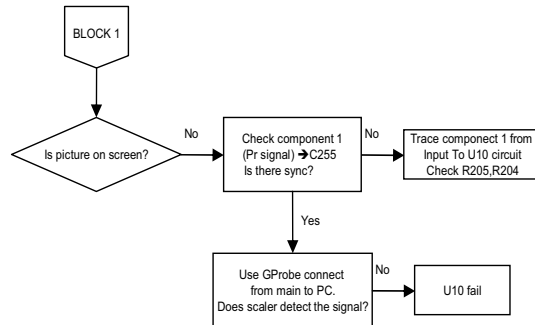
LCD DISPLAY NOTHING(Analog HD1 on PIP mode without Y signal)



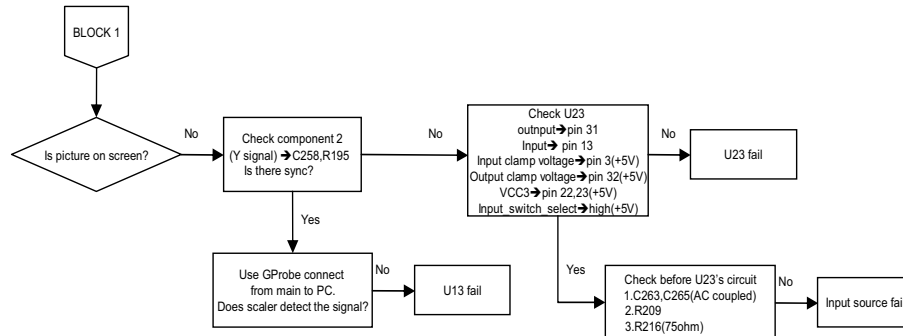
LCD DISPLAY NOTHING(Analog HD1 on PIP mode without Pb signal)



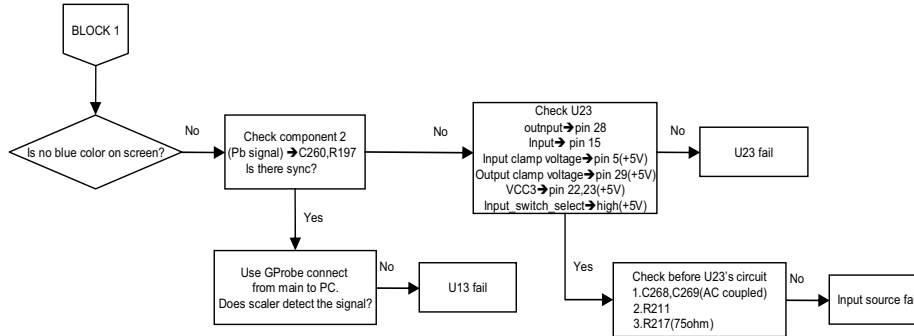
LCDDISPLAY NOTHING(Analog HD1 on PIP mode without Pr signal)



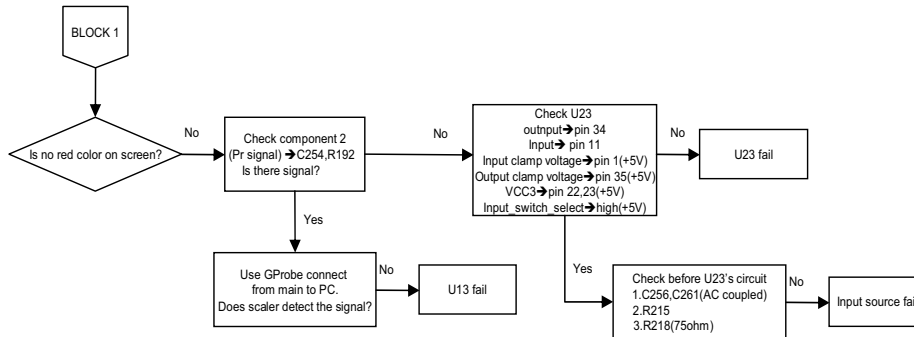
LCD DISPLAY NOTHING(Analog HD2 without Y signal)



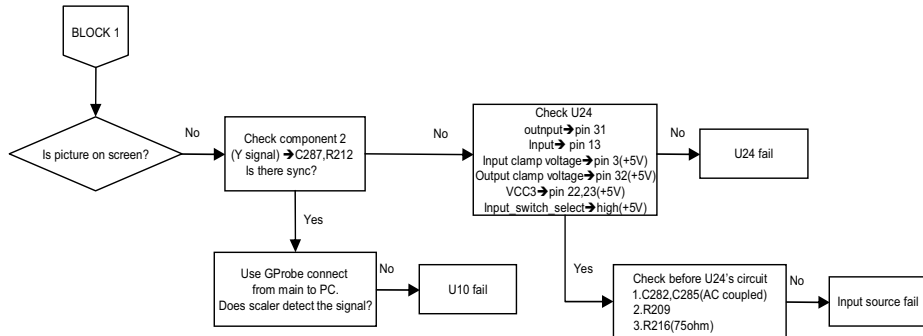
LCD DISPLAY NOTHING(Analog HD2 without Pb signal)



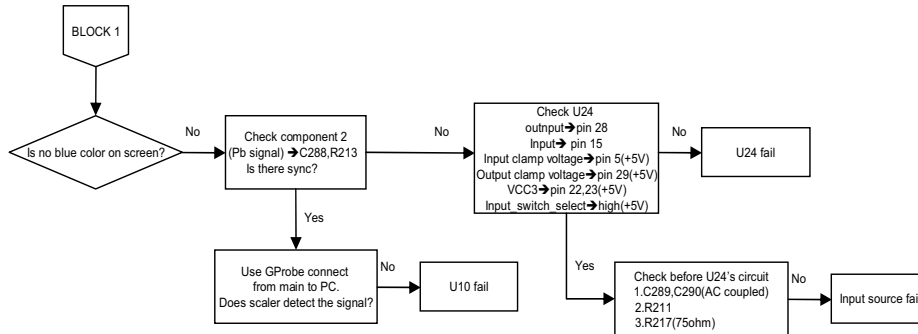
LCD DISPLAY NOTHING(Analog HD2 without Pr signal)



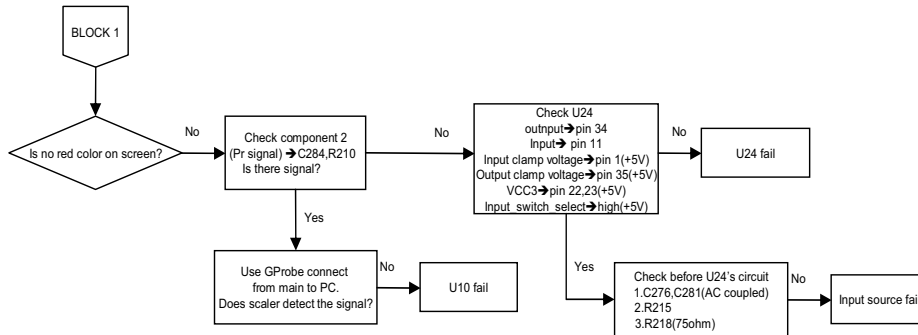
LCD DISPLAY NOTHING(Analog HD2 on PIP mode without Y signal)



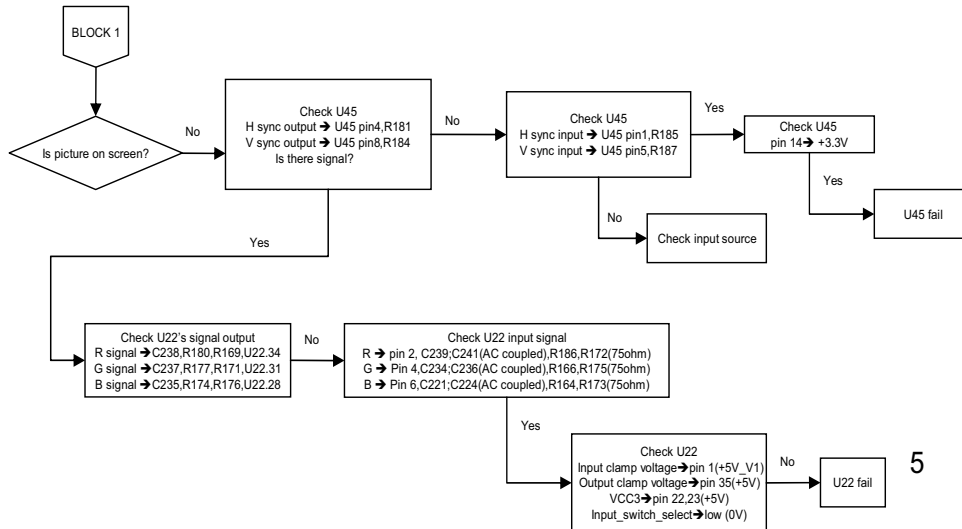
LCD DISPLAY NOTHING(Analog HD2 on PIP mode without Pb signal)



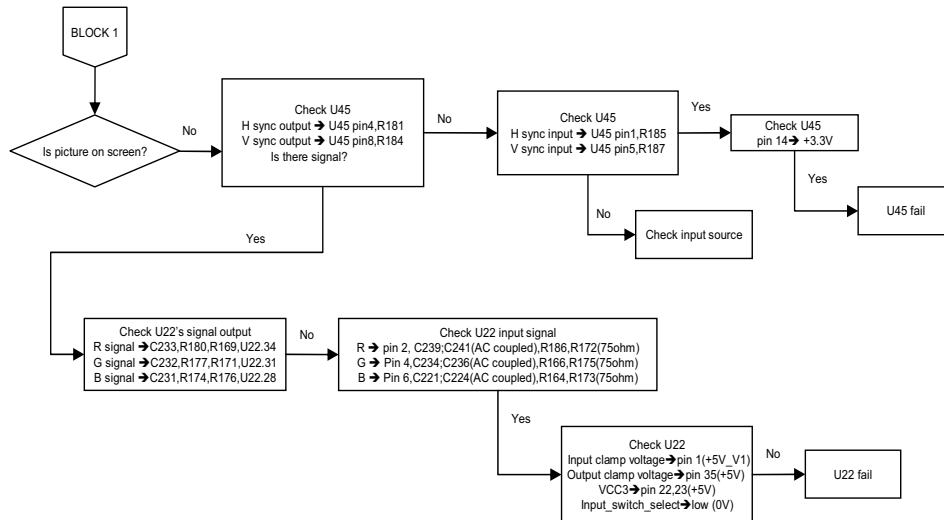
LCD DISPLAY NOTHING(Analog HD2 on PIP mode without Pr signal)



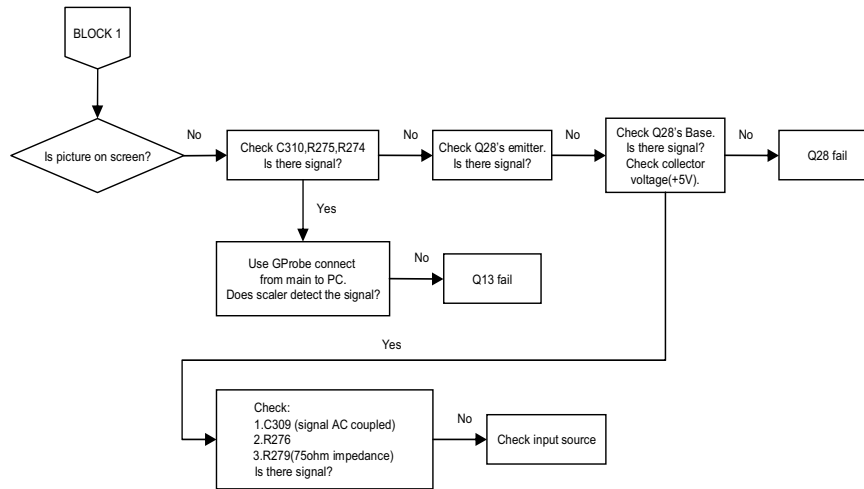
LCD DISPLAY NOTHING(RGB)



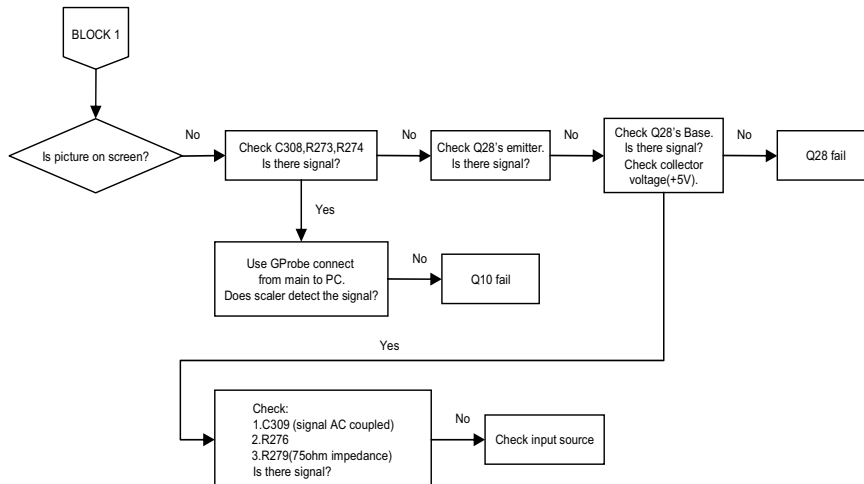
LCD DISPLAY NOTHING(RGB on PIP mode without screen)



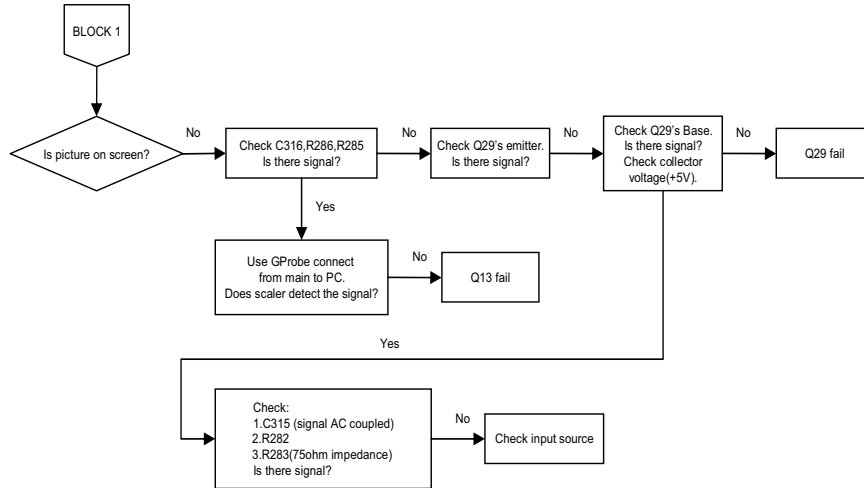
LCD DISPLAY NOTHING(Composite 1 without screen)



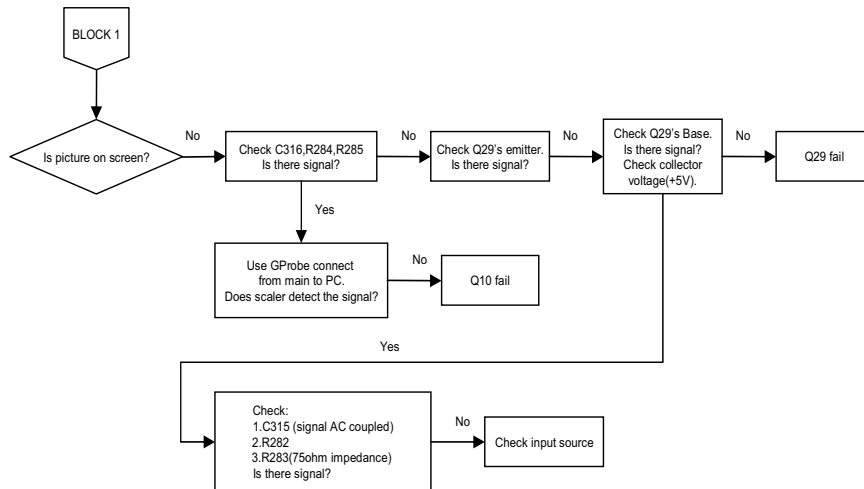
LCD DISPLAY NOTHING(Composite 1 on PIP without screen)



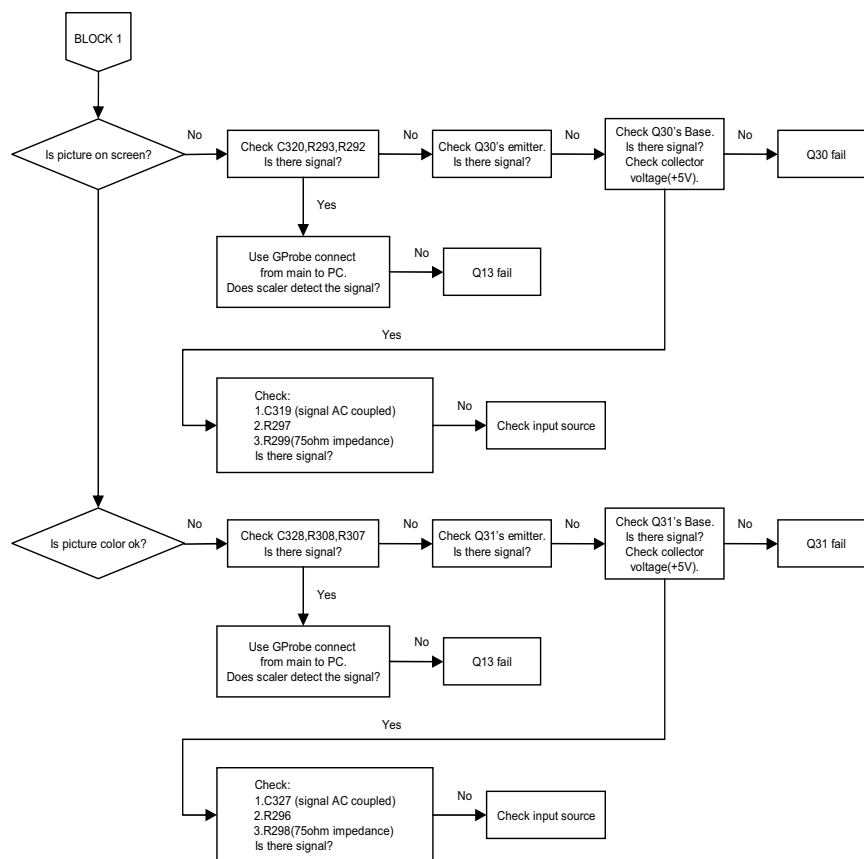
LCD DISPLAY NOTHING(Composite 2 without screen)



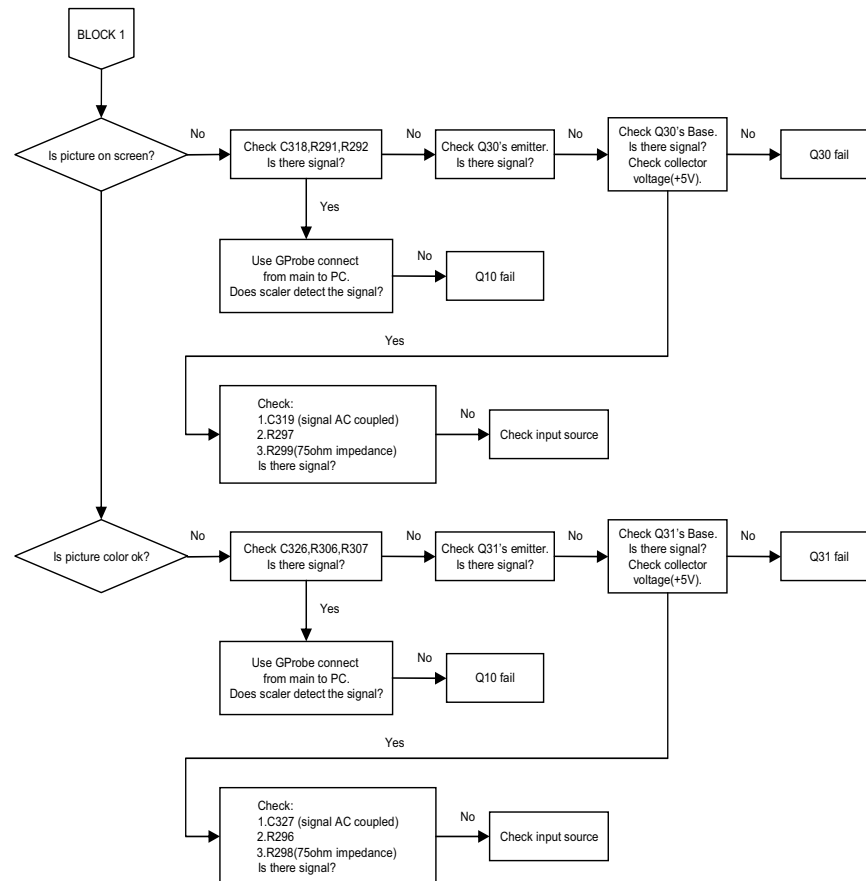
LCD DISPLAY NOTHING(Composite 2 on PIP without screen)



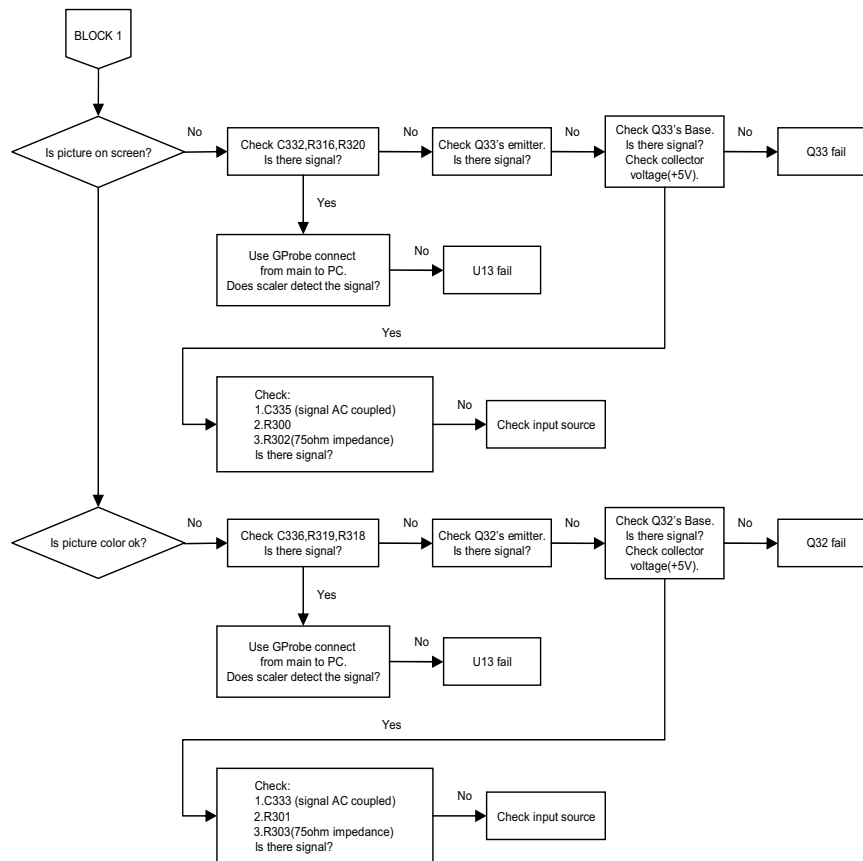
LCD DISPLAY NOTHING(S-VIDEO 1 without screen)



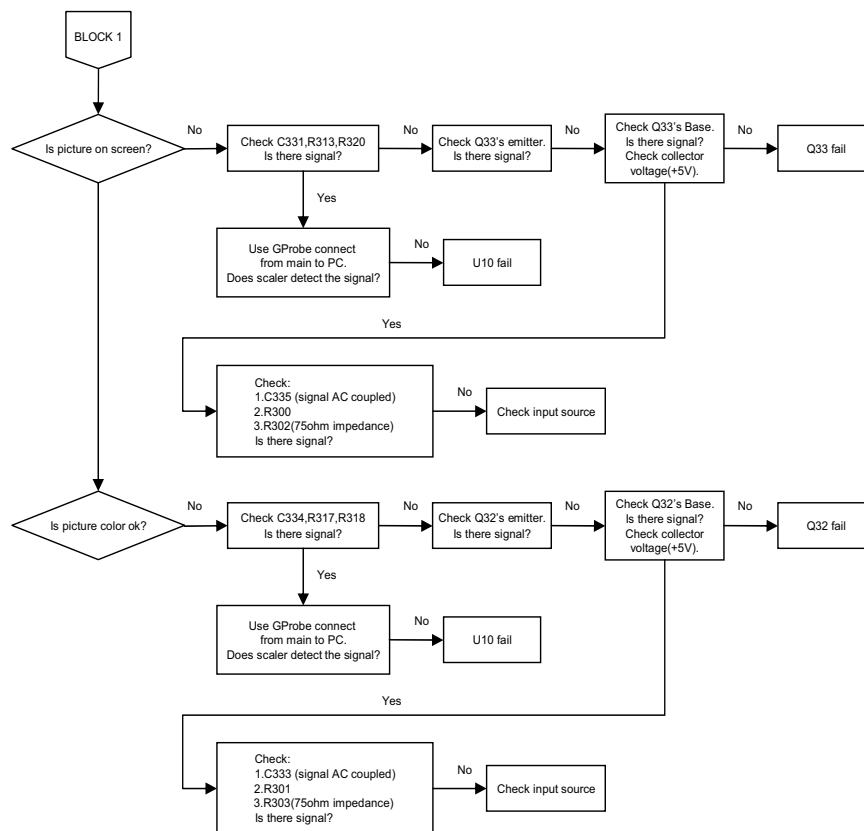
LCDDISPLAY NOTHING(S-VIDEO 1 on PIP mode without screen)



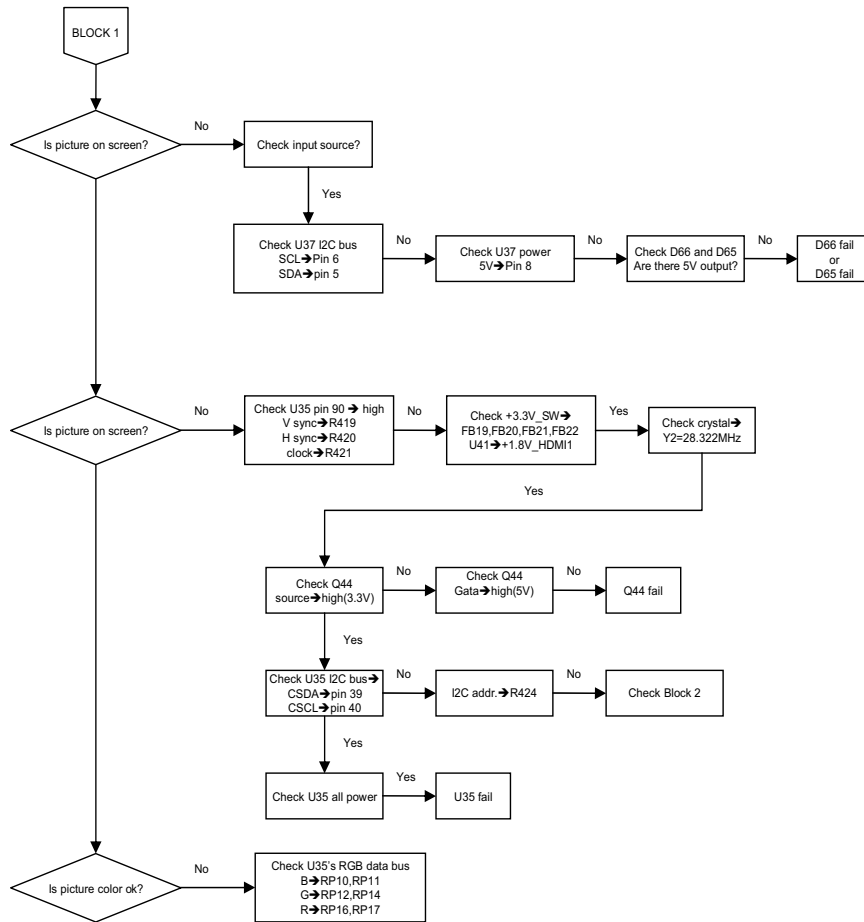
LCD DISPLAY NOTHING(S-VIDEO 2 without screen)



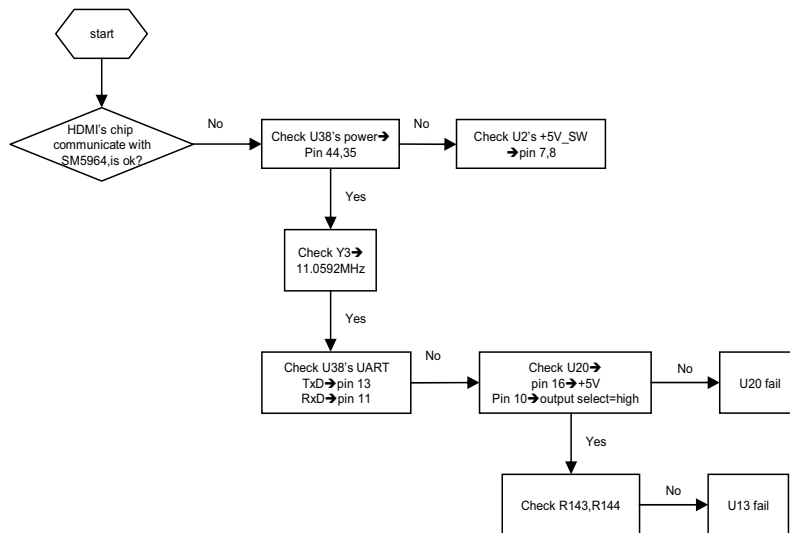
LCD DISPLAY NOTHING(S-VIDEO 2 on PIP mode without screen)



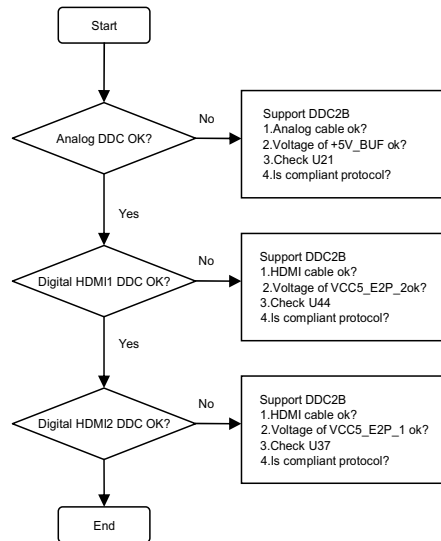
LCD DISPLAY NOTHING(Digital 2 U35 with PORT B without screen)



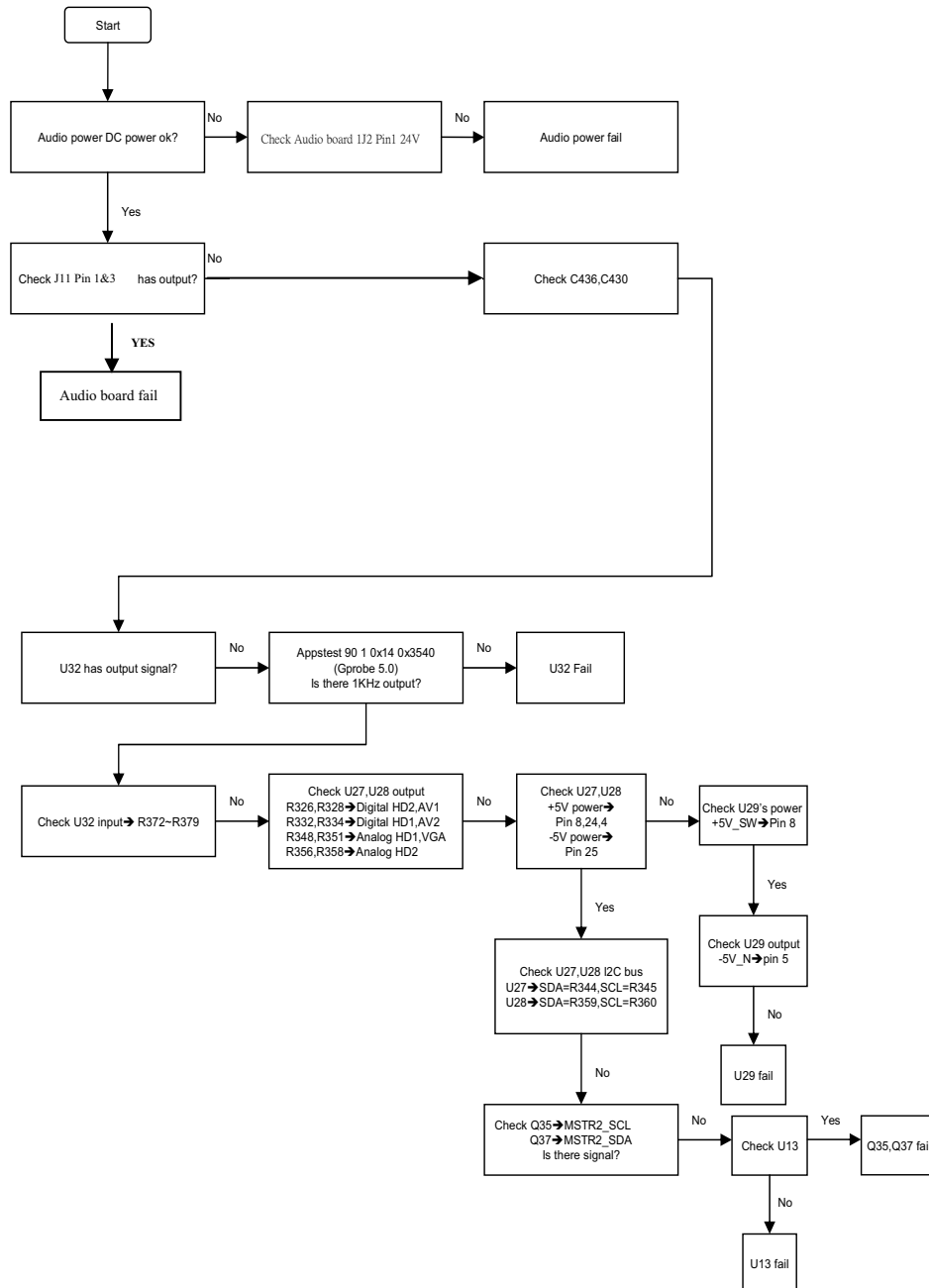
Block 2



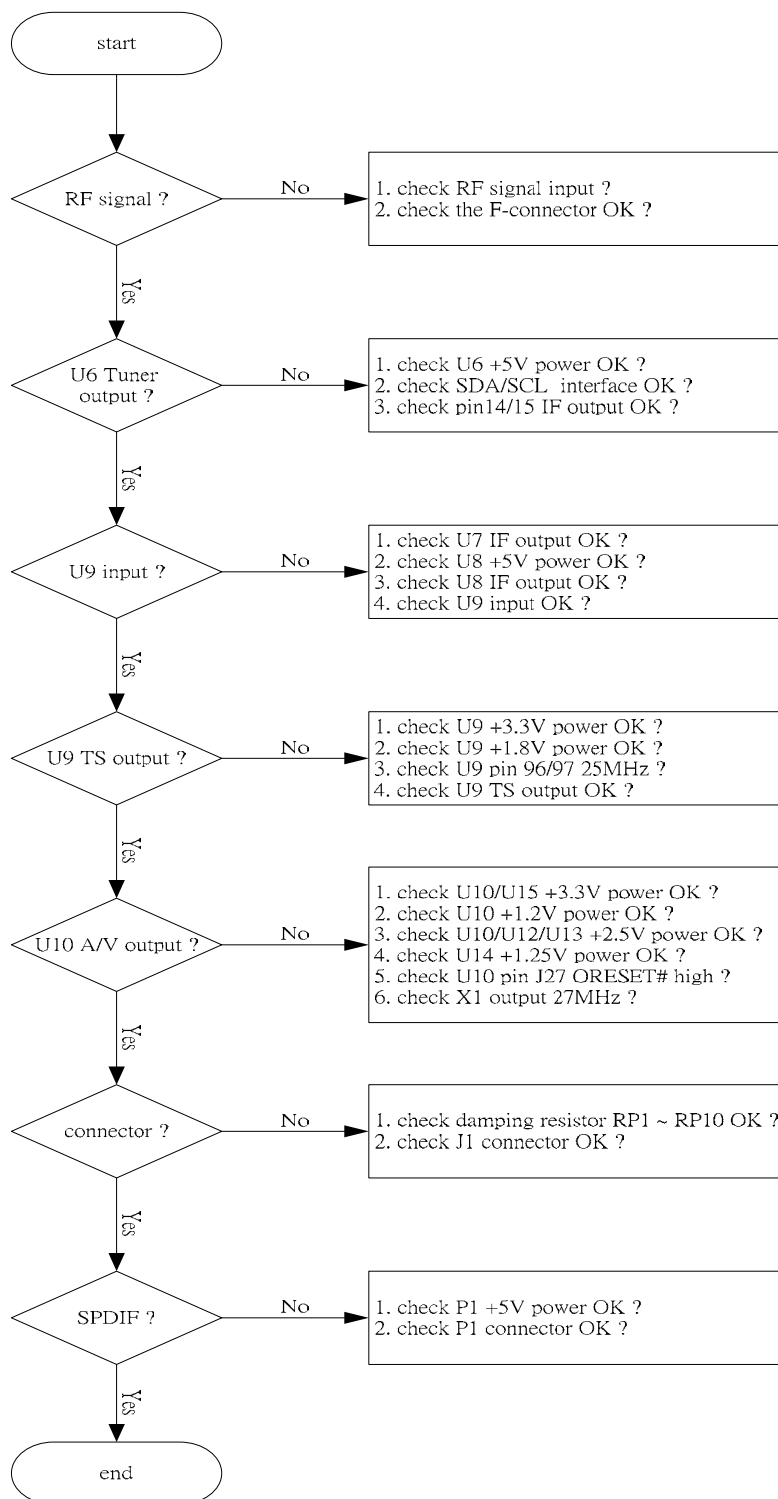
TROUBLE OF DDC READING



LCD NO SOUND



TROUBLE OF THE DTV



Chapter 11 Spare Parts List

PART NO	DESCRIPTION	LOC	QTY	REMARK
0185-1152-0073	FUSE 125V/1.5A SMD (R45101.5) L-F	F3	1	
0185-1502-0073	FUSE 125V/5A SMD (R45105) L-F	F2	1	
0280-2500-0012	X'TAL 25MHZ 49/US 30PPM 20PF LF	Y1	1	
0286-2700-0024	OSC 27MHz 25ppm 3.3V SMD VCXO	X1	1	
0320-4000-0142	POWER CORD 110V UL/CSA 1800mm BLK N.M. (VINC)		1	
0321-0000-0411	AV CABLE RCA(Y/W/R) 1800mm BLK (VINC)		1	
0321-0200-0031	DIN5P-P2I25402 2464#22 293/508mm 4C+S		1	
0360-1000-0151	COIL CHOKE 70uH 3A LF	L37, L5	2	
0360-1000-0400	POWER INDUCTOR L:10uH 4.0A 12x12mm SMD LF	L2 , L3	2	
0360-1000-0410	POWER INDUCTOR L:15uH 4.7A 12x12mm SMD LF	L4, L5	2	
0370-0000-1011	FERRITE CORE RH 3.5X6X1.0(W)X2 L-F	L1	1	
0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	L24, L26	2	
0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	L21, L22, L23, L25, L27, L7, L9	7	
0370-0001-0752	CHIP BEAD CORE 120ohm (MLB-201209-0120P-N2A)	FB2, FB3, FB5, FB6	4	
0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	L10 , L11	2	
0370-2056-8620	CHIP COIL 0.56uH 100mA 0603 (MLF1608DR56KT) LF	L28, L29, L30, L31, L32, L33	6	
0371-6880-0482	CHIP COIL 0.68uH 300mA 0805 (GL201209TR68KTM) LF	FB3	1	
0371-6880-0482	CHIP COIL 0.68uH 300mA 0805 (GL201209TR68KTM) LF	FB1, FB2, FB4	3	
0390-5003-5273	DUAL SURFACE DIODE BAV99 SMD (SOT-23) L-F	D2, D3, D4	3	
0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	D10, D11, D12, D2, D3, D4, D5	7	
0390-6004-9293	Schottky Diode 1A 40V B140B-13-F SMB L-F	SD10, SD11, SD6, SD7	4	
0390-6006-5293	SCHOTTKY DIODE 3A 40V B340-13-F SMC L-F	SD12, SD14	2	
0390-6006-6272	SCHOTTKY DIODE 5A 40V SB540 DIP T LF	D1, D5	2	
0390-6006-8293	SCHOTTKY DIODE 2A 40V B240-13-F SMB L-F	SD2, SD3, SD4, SD5, SD8, SD9	6	
0400-0681-2713	ZENER 6.46V-7.14V MMSZ5235B 1/2W SOD-123 L-F	ZD2, ZD3, ZD4, ZD7	4	
0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	Q20	1	
0410-5000-5719	TRANSISTOR KN3906S SOT-23 LF	Q3	1	
0411-0000-7612	TR NPN 30mA 50V DTC144EKA-T146 SMT3 LF	Q1, Q2	2	
0411-3000-9622	TR NPN 0.1A 50V BC847B SOT-23 LF	Q28, Q29, Q30, Q31, Q32, Q33	8	
0411-3000-9622	TR NPN 0.1A 50V BC847B SOT-23 LF	Q2	1	
0420-1004-9621	MOSFET N-CH 2N7002E-T1-E3 SMD (SOT-23) L-F	Q4	1	
0420-2004-8612	MOSFET P-CH 7A 30V SP8J5 SO-8 8PIN L-F	U2, U26, U5	3	
0430-0002-6035	IC MM74HC4052MX SOIC 16PIN LF	U20	1	
0430-1004-4015	IC SN74LV14ADR SMD SO14 LF	U45	1	
0430-1008-6088	IC NJM4558M-TE2_PB SO8(DMP8) L-F	U1, U2, U3, U4, U5, U6	6	
0430-1009-1009	IC 74HCT14D 14PIN SO14 LF	U14	1	
0430-3002-3096	IC FLASH 4M SST25LF040A-33-4C-S2AE SOIC 8PIN LF	U12	1	
0430-3006-4011	IC AT24C32AN-10SU-2.7 8PIN SO-8 LF	U11, U15	2	
0430-3007-1017	IC 24LC128-I/SNG 8PIN SOIC LF	U40	1	
0430-3039-3645	IC MX29LV160CTTC-70G 48PIN TSOP LF	XU1	1	
0430-3039-4645	IC MX29LV320CTTC-70G 48PIN TSOP LF	U15	1	
0430-3039-6011	IC AT24C02BN-10SU-1.8 8Pin SOIC L-F	U21, U37, U44	3	
0430-4016-9007	IC LM358DT 8PIN SO-8 LF	U4	1	
0430-4018-1059	IC HEADPHONE DRIVER PT2308-S(L) SOIC 8PIN LF	U30, U33, U34	3	
0430-5018-1578	IC MCU SM5964C40JP 44PIN PLCC LF	U38	1	
0430-6002-8079	IC AP1117E25LA SOT-223 L-F	U9	1	
0430-6002-8079	IC AP1117E25LA SOT-223 L-F	U4	1	

PART NO	DESCRIPTION	LOC	QTY	REMARK
0430-6005-5079	IC AP1117E18LA LF SOT-223	U39, U41	2	
0430-6006-1079	IC LDO AP1084KLA ADJ TO-263-3L LF	U7 U8	2	
0430-6006-1079	IC LDO AP1084KLA ADJ TO-263-3L LF	U3	1	
0430-6007-0072	IC N2576SG-3.3 3A 5PIN TO-263 LF	U3	1	
0430-6007-5075	IC AME1117CCGTZ 3PIN SOT-223 L-F	U19	1	
0430-6009-1051	IC AMC1117SKF-ADJ SMD 3PIN SOT-223 LF	U5	1	
0430-6010-9028	IC G2996F1Uf 8PIN SOP-8(FD) LF	U14	1	
0430-6011-3210	IC MC7805CTG 3PIN TO-220 LF	U1	1	
0430-6013-4072	IC N2596SG-ADJ 3A 150KHZ TO-263-5L LF	U2, U21	2	
0430-6013-9207	IC REGULATOR L7808CV 3PIN TO-220 LF	U31	1	
0430-7027-3738	IC SiI9011CLU 128PIN LQFP LF	U35, U42	2	
0430-7030-1601	IC CS4344-CZZ TSSOP-10 LF	U36, U43	2	
0430-7030-3035	IC NC7SB3157P6X SC-70 6PIN LF	U18	1	
0430-7031-9603	IC DDR 16Mx16 NT5DS16M16CS-5T 66PIN TSOPII LF	U16, U17	2	
0430-7031-9603	IC DDR 16Mx16 NT5DS16M16CS-5T 66PIN TSOPII LF	U12, U13	2	
0430-7032-9615	IC TS5V330DBQR 16PIN QSOP LF	U48, U49	2	
0430-7032-9615	IC TS5V330DBQR 16PIN QSOP LF	U60	1	
0430-7032-9615	IC TS5V330DBQR 16PIN QSOP LF	U22	1	
0430-7033-4962	IC FLI8125-LF-BC 208PIN PQFP LF	U10	1	
0430-7035-1999	IC MT5351AG 471PIN BGA LF	U10	1	
0430-7040-8602	IC M61323FP#DF0G 36PIN SSOP LF	U23, U24	2	
0430-7042-2065	IC QUICKSWITCH IDTQS3253QG QSOP 16PIN LF	U46, U47	2	
0430-7043-0962	IC TV CONTROLLER FLI8532-LF-BE 416PIN PBGA LF	U13	1	
0430-7043-1999	IC DEMODULATOR MT5112BD LQFP 100PIN LF	U9	1	
0430-7043-3620	IC 50W AUDIO AMP MP7782DF-LF-Z 20PIN TSSOP LF	U8	1	
0430-7043-4620	IC 2*20W AUDIO AMP MP7722DF-LF-Z 20PIN TSSOP LF	U7	1	
0430-9001-1980	IC MSP4440G-QI-C13-500 64PIN PMQFP LF	U32	1	
0980-0102-7010	MODULE TUNER (FQD1236/F H-5) LF	U6	1	
0980-0200-2130	MODULE. IR RECEIVER (FM-6038LM-5AN)	UR1	1	
1801-0123-4010	Bezel(PC,Black,Thickness=3.0mm)(GV46L) ASS'Y		1	
1925-1000-3310	EPE FORM-TOP-L(GV46L)		1	
1925-1000-3320	EPE FOAM-Bottom L(GV46L)		1	
1925-1000-3370	EPE FORM-TOP-R(GV46L)		1	
1925-1000-3380	EPE FOAM-Bottom R(GV46L)		1	
1925-1000-3540	EPE FOAM-Bottom Middle(GV46L)		1	
1925-1100-0230	PE BAG 320*230*0.04T		2	
1925-1100-0280	PE BAG (180W*290L*0.04t)(PE-LD)(ACC.-1)		1	
1925-1100-2080	PE BAG (PD-42L)(1280*1200*0.5)		1	
1925-1200-7080	ACCESSARY BOX (330W*230D*50H)		1	
1925-1200-8880	CARTON-TRAY (BLANK)(GV46L)		1	
1925-1200-8940	CARTON (VIZIO GV46L HDTV)		1	
1925-1300-7080	Brochure VIZIO Series		1	
1925-1300-7770	MANUAL (VIZIO GV46L HDTV)		1	
1925-1300-7780	Quick Setup Guide (VIZIO GV46L HDTV)		1	
1925-1400-2710	Register CARD/VIZIO L15		1	
1925-1900-0630	CARTON JOINT(GV46L)		4	
1925-2000-0030	Polishing Cloth VIZIO P42 HDTV10A		1	
1936-1100-8560	B/C LBL (VIZIO GV46L HDTV)		1	
1936-1300-1550	SERIAL NO.LBL byd:sign		1	
1936-1600-1130	Technology logo LBL VIZIO GV46L HDTV		1	
1947-1200-0310	ACETATE CLOTH TAPE (醋酸布膠帶) 27*75mm		9	
1947-1200-0400	ACETATE CLOTH TAPE (醋酸布膠帶) 20*45mm		1	
1947-1200-0820	ACETATE CLOTH TAPE (醋酸布膠帶) 60*45mm		2	
1947-1200-1560	FILAMENT TAPE (TIBON 25wide)		0.72	
1947-1200-2580	BLUE TAPE (18*50mm)(KLV-20SP2)		0.1	
1947-1500-2740	3M 4929 Tape(25*25mm t=0.6mm)(GV46L HDTV)		7	
1947-1500-2810	2X5 SPEAKER STUFFING (GV42L/GV46L HDTV)		1	
1947-1500-2810	2X5 SPEAKER STUFFING (GV42L/GV46L HDTV)		1	

PART NO	DESCRIPTION	LOC	QTY	REMARK
1947-1500-2820	WOOFER ENCLOSURE STUFFING (GV46L HDTV)		1	
1947-1500-2830	DUCT STUFFING (GV46L HDTV)		1	
1947-1500-2840	REAR STUFFING (GV46L HDTV)		1	
1947-1500-2850	FRONT COVER STUFFING (GV46L HDTV)		1	
1947-1500-2860	WOOFER ISOLATED SHEET SEAL (GV42L/GV46L HDTV)		1	
1947-1500-2860	WOOFER ISOLATED SHEET SEAL (GV42L/GV46L HDTV)		1	
1947-1500-2870	WOOFER BLOCK SEAL (GV42L/GV46L HDTV)		2	
1947-1500-2870	WOOFER BLOCK SEAL (GV42L/GV46L HDTV)		2	
1947-1500-2920	AL PLATE STUFFING (GV46L HDTV)		2	
1947-1500-2930	3M 4929 Tape(445*6mm t=0.6mm)(GV46L HDTV)		6	
1947-1500-2940	RIB SEAL(CR 25.0*5.0*1.0t)(GV46L HDTV)		2	
1947-1500-2960	3M 4929 Tape(25*13mm t=0.6mm)(GV46L HDTV)		6	
1947-1700-0040	SHIELDING AL. TAPE (100.0*20.0)		4	
1947-1700-0130	SHIELDING AL.TAPE (70.0*50.0)		4	
1947-1800-0050	GASKET BLOCK (20*3*12mm) (850GT)		1	
1947-1800-0090	GASKET BLOCK (17*25*25mm) (773GT)		6	
1947-1800-0490	GASKET BLOCK (12L*10W*2.5Hmm) HOLE 6 φ		1	
1947-1800-1050	GASKET BLOCK (10.0W*250.0L*2.0H)		2	
1947-1800-1060	GASKET BLOCK (17.0W*80.0L*35.0H)		6	
1947-1800-1070	GASKET BLOCK (17.0W*120.0L*10.0H)		4	
1947-2000-1200	RUBBER SEAL (GV42L/GV46L HDTV)		1	
1947-2000-1200	RUBBER SEAL (GV42L/GV46L HDTV)		1	
1947-9900-0660	Glue, 94 Primer (for Face Plate) (M16)		0.0034	
3642-0012-0146	LCD CONNECTOR BD ASS'Y (GV42L)		1	
3642-0022-0319	Acoustic LEFT BOXES ASS'Y (GV46L)		1	
3646-0012-0137	AUDIO BD ASS'Y (GV46L)		1	
3646-0012-0146	LCD CONNECTOR BD ASS'Y (GV46L)		1	
3646-0012-0150	MAIN BD ASS'Y(GV46L)		1	
3646-0012-0156	LCD TV DISPLAY BD ASS'Y (GV46L)		1	
3646-0012-0189	IR BD ASS'Y (GV46L)		1	
3646-0012-0190	TUNER BD ASS'Y(GV46L)		1	
3646-0012-0306	BEZEL ASS'Y (GV46L)		1	
3646-0012-0319	Acoustic Right BOXES ASS'Y (GV46L)		1	
3646-0012-0395	AL PLATE ASSY(GV46L)		1	
3646-0022-0395	BACK COVER ASSY(GV46L)		1	

Chapter 12 Complete Parts List

2646-8500-1033 LCD TV 46" GV46L HDTV(Samsung) VINC

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	QTY
1			3642-0012-0334	BASE ASS'Y GV42L HDTV	1
2			3646-0012-0312	PACKING ASS'Y (GV46L HDTV)	1
3			3646-0012-0331	LCD PANEL ASS'Y (GV46L HDTV)	1

3642-0012-0334 BASE ASS'Y GV42L HDTV

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			1701-0523-3020	BASE (GV42L HDTV)(HIPS)	1
2			1701-1000-0180	BASE FOOT (φ 18.0*2.0t, PORON)	10
3			1712-0101-0010	BASE PLATE (GV42L HDTV)(SECC,T=2.0mm)	1
4			1712-1200-0301	STAND FOOT (GV42L HDTV)(DIE Casting)	1
5			1712-1200-0310	STAND HEAD (GV42L HDTV)(DIE Casting)	1
6			1720-8004-1050	MAC. SCREW, Fate Head Hexagon Bit, M4.0*10.0L, BLK	12
7			1721-3004-0820	TAP.SCREW-TR #4.0*8.0L,Ni	6

3646-0012-0312 PACKING ASS'Y (GV46L HDTV)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			1701-0523-4010	BASE COVER (GV42L HDTV)(ABS)	1
2			1701-0800-1980	REAR PLATE_L(VIZIO GV46L HDTV)	1
3			1701-0800-1990	REAR PLATE_R(VIZIO GV46L HDTV)	1
4			1701-1500-1430	CABLE CLIP (GV42L HDTV)	1
5			1925-1000-3310	EPE FORM-TOP-L(GV46L)	1
6			1925-1000-3320	EPE FOAM-Bottom L(GV46L)	1
7			1925-1000-3370	EPE FORM-TOP-R(GV46L)	1
8			1925-1000-3380	EPE FOAM-Bottom R(GV46L)	1
9			1925-1000-3540	EPE FOAM-Bottom Middle(GV46L)	1
10			1925-1100-2080	PE BAG (PD-42L)(1280*1200*0.5)	1
11			1925-1200-8880	CARTON-TRAY (BLANK)(GV46L)	1
12			1925-1200-8940	CARTON (VIZIO GV46L HDTV)	1
13			1925-1900-0630	CARTON JOINT(GV46L)	4
14			1936-1100-8560	B/C LBL (VIZIO GV46L HDTV)	1
15			1936-1300-1550	SERIAL NO.LBL byd:sign	1
16			1936-1600-1130	Technology logo LBL VIZIO GV46L HDTV	1
17			1947-1200-1560	FILAMENT TAPE (TIBON 25wide)	0.72
18			1947-1200-2580	BLUE TAPE (18*50mm)(KLV-20SP2)	0.1
19			3646-0012-0393	ACCESSARY ASS'Y (GV46L HDTV)	1

3646-0012-0331 LCD PANEL ASS'Y (GV46L HDTV)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0211-0460-0267	LCD MODULE 46.0" TFT LTA460WT-L03 (SAMSUNG)	1
2			0260-0000-0320	AC INLET +VHR5P 1617#22 430mm 1015#18 80mm+CORE	1
3			0460-1007-0270	WH P24267-P24267 2464#26 270mm+CORE	1
4			0460-1102-0100	WH A2501-2P-A2501-2P 1007#22 770mm	1
5			0460-1104-0100	WH A2501-4P-A2543-4P 1007#22 300mm +CORE	1
6			0460-1106-0210	WH A2501-6P-A2501-6P 1007#22 430mm +CORE	1
7			0460-2340-0010	WH IDC40P-IDC40P 2651#28 100mm	1
8			0460-3010-0170	WH A1251H02-10P/A2001H02-7P+4P 20276#28 935/820mm	1
9			0460-3430-0920	WH FI-E30H/P240430 20276#30 340mm	1
10			0460-4013-0130	WH A2543H0-13-A2501-14P 2464#24 530mm	2
11			0460-4015-0040	WH A2543H-15P/A2001H-12+5P 1007#24 430/200mm+CORE*2	1
12			0500-0507-0210	POWER BD ASS'Y DPS-319AP A L-F	1
13			0950-0000-0010	License: Dolby-AC3 Two-Channel Dolby Digital Deco	1
14			0950-0000-0020	License: MPEG-LA Consumer Products	1
15			0950-0000-0030	License: HDMI	1
16			0980-0700-0030	LED BACKLIGHT 18*50 LYSB-4916W/SY 580mm	1
17			1701-0900-2160	MYLAR 26*40*0.2mm (GV46L)	1
18			1701-1500-1460	SPACER SUPPORT RAM-8(GV46L HDTV)	2
19			1701-1500-1480	HARNESS CLIP STANDOFF(THI-4)(GV46L HDTV)	2
20			1701-1500-1540	SPACER SUPPORT DCBS-8(GV46L HDTV)	4
21			1701-1500-1550	SPACER SUPPORT MC-8(GV46L HDTV)	1
22			1701-1500-1570	WIRE SADDLE(CM-10M)(GV46L HDTV)	4
23			1712-0101-0161	Rear Bracket L(Thickness=2.0mm)(GV46L)	1
24			1712-0101-0171	Rear Bracket R(Thickness=2.0mm)(GV46L)	1
25			1712-0101-0181	Main Chassis(Thickness=1.0mm)(GV46L)	1
26			1712-0101-0190	Main Shielding(Thickness=1.0mm) (GV46L)	1
27			1712-0101-0200	Stand Bracket Support(Thickness=2.0mm) (GV46L)	1
28			1712-0101-0210	Panel Bracket(Thickness=1.0mm) (GV46L)	4
29			1712-0101-0220	Panel Bracket Side(Thickness=1.0mm) (GV46L)	3
30			1712-0101-0230	Keypad PCB Holder(Thickness=1.0mm) (GV46L)	1
31			1712-0101-0310	Wall Mount Bracket (Thickness=2.0mm)(GV46L)	2
32			1712-0200-0480	Power Shielding(Thickness=1.0mm)(GV46L)	1
33			1720-0003-0420	MAC.SCREW-MB M3.0*4.0L,Ni	15
34			1720-0003-0650	MAC. SCREW-MB M3.0*6.0L,BLK-Ni	42
35			1720-0004-0850	MAC. SCREW-MB M4.0*8.0L, BLK-Ni	27
36			1720-1005-0820	MAC. SCREW-MI M5.0*8.0L,Ni	16
37			1720-1204-0820	MAC. SCREW-MPGW M4.0*8.0L,Ni	1
38			1720-1504-1550	MAC.SCREW-MPSWF M4.0*15.0L BLK-Ni	11
39			1720-1504-1820	MAC SCREW-MPSFW M4.0*18.0L Ni	8
40			1720-3003-0820	MAC.SCREW-MF M3.0*8.0L,Ni	2
41			1720-4003-0651	MAC. SCREW-MRF M3.0*6.0L, BLK-Ni	3
42			1720-5004-0820	MAC. SCREW-MI M4.0*8.0L,Ni	2
43			1720-7344-0820	MAC. SCREW-MHSW #4-40*8.0L,Ni	2
44			1721-0003-0620	TAP. SCREW-TB #3.0*6.0L,Ni	2
45			1721-0003-0820	TAP. SCREW-TB #3.0*8.0L,Ni	7
46			1721-0004-0820	TAP. SCREW-TP #4.0*8.0L,Ni	19
47			1721-0004-1450	TAP. SCREW-TP #4.0*14.0L, BLK-Ni	13
48			1947-1200-0310	ACETATE CLOTH TAPE (醋酸布膠帶) 27*75mm	9
49			1947-1200-0400	ACETATE CLOTH TAPE (醋酸布膠帶) 20*45mm	1
50			1947-1200-0820	ACETATE CLOTH TAPE (醋酸布膠帶) 60*45mm	2
51			1947-1700-0040	SHIELDING AL. TAPE (100.0*20.0)	4

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
52			1947-1700-0130	SHIELDING AL.TAPE (70.0*50.0)	4
53			1947-1800-0050	GASKET BLOCK (20*3*12mm) (850GT)	1
54			1947-1800-0090	GASKET BLOCK (17*25*25mm) (773GT)	6
55			1947-1800-0490	GASKET BLOCK (12L*10W*2.5Hmm) HOLE 6 φ	1
56			1947-1800-1050	GASKET BLOCK (10.0W*250.0L*2.0H)	2
57			1947-1800-1060	GASKET BLOCK (17.0W*80.0L*35.0H)	6
58			1947-1800-1070	GASKET BLOCK (17.0W*120.0L*10.0H)	4
59			3642-0012-0146	LCD CONNECTOR BD ASS'Y (GV42L)	1
60			3642-0022-0319	Acoustic LEFT BOXES ASS'Y (GV42L/GV46L HDTV)	1
61			3646-0012-0137	AUDIO BD ASS'Y (GV46L)	1
62			3646-0012-0146	LCD CONNECTOR BD ASS'Y (GV46L)	1
63			3646-0012-0150	MAIN BD ASS'Y(GV46L)	1
64			3646-0012-0156	LCD TV DISPLAY BD ASS'Y (GV46L HDTV)	1
65			3646-0012-0189	IR BD ASS'Y (GV46L)	1
66			3646-0012-0190	TUNER BD ASS'Y(GV46L)	1
67			3646-0012-0306	BEZEL ASS'Y (GV46L)	1
68			3646-0012-0319	Acoustic Right BOXES ASS'Y (GV46L HDTV)	1
69			3646-0012-0395	AL PLATE ASSY(GV46L)	1
70			3646-0022-0395	BACK COVER ASSY(GV46L)	1

3642-0012-0146 LCD CONNECTOR BD ASS'Y (GV42L)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0171-3870-0132	PCB CONN. BD FR4 27*30*1.6t S (GV42L HDTV)(1:20)	1
2			1712-0500-1630	DIN JACK HOLDER (GV42L HDTV)(SPTE T=0.5mm)	1
3		JS1	0300-3050-0010	DIN 5PIN SOCKET+SHIELD (2DJ-0065PSA2) L-F	1
4		JS2	0451-2500-0243	WAFER 2.50mm 2P 90' KINK (A2501WR2-2P) L-F	1

3642-0022-0319 Acoustic LEFT BOXES ASS'Y (GV42L/GV46L HDTV)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0321-0200-0020	DIN5P-P2I25402 2464#22 550mm 2C+S	1
2			0335-1008-0090	SPEAKER ASS'Y 8OHM 10W	1
3			1701-0123-6030	SPEAKER FRONT COVER_L (GV42/46)(ABS HB)	1
4			1701-0214-5010	SPEAKER REAR COVER_L (GV42/46)(HIPS)	1
5			1701-1100-1350	SPAKER CABLE SEAL(Φ 4.5mm/Pantone 430C)	1
6			1701-1930-9030	WOOFER ISOLATED SHEET (GV42/46)(ABS HB)	1
7			1721-0003-0850	TAP. SCREW-TB #3.0*8.0L,BLK-Ni	1
8			1721-0003-1420	TAP. SCREW-TB #3.0*14.0L,NI	12
9			1721-0004-0850	TAP. SCREW-TB #4.0*8.0L, BLK-NI	4
10			1947-1500-2810	2X5 SPEAKER STUFFING (GV42L/GV46L HDTV)	1
11			1947-1500-2860	WOOFER ISOLATED SHEET SEAL (GV42L/GV46L HDTV)	1
12			1947-1500-2870	WOOFER BLOCK SEAL (GV42L/GV46L HDTV)	2
13			1947-2000-1200	RUBBER SEAL (GV42L/GV46L HDTV)	1

3646-0012-0137 AUDIO BD ASS'Y (GV46L)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			364600120137A	AUDIO BD ASS'Y (GV46L) AI	1
2			364600120137M	AUDIO BD ASS'Y (GV46L) MI	1
3			364600120137S	AUDIO BD ASS'Y (GV46L) SMD	1

3646-0012-0146 LCD CONNECTOR BD ASS'Y (GV46L)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0171-3870-0142	PCB CONN. BD FR4 27*30*1.6t S (GV46L HDTV)(1:20)	1
2			1712-0500-1630	DIN JACK HOLDER (GV42L HDTV)(SPTE T=0.5mm)	1
3		JS3	0300-3050-0010	DIN 5PIN SOCKET+SHIELD (2DJ-0065PSA2) L-F	1
4		JS4	0451-2500-0646	WAFER 2.5mm 6P 90° DIP KINK (M241856R) L-F	1

3646-0012-0150 MAIN BD ASS'Y(GV46L)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			364600120150A	MAIN BD ASS'Y(GV46L) AI	1
2			364600120150M	MAIN BD ASS'Y(GV46L) MI	1
3			364600120150S	MAIN BD ASS'Y(GV46L) SMD	1

3646-0012-0156 LCD TV DISPLAY BD ASS'Y (GV46L HDTV)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			364600120156M	LCD TV DISPLAY BD ASS'Y (GV46L HDTV) MI	1
2			364600120156S	LCD TV DISPLAY BD ASS'Y (GV46L HDTV) SMD	1

3646-0012-0189 IR BD ASS'Y (GV46L)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			364600120189M	IR BD ASS'Y (GV46L) MI	1
2			364600120189S	IR BD ASS'Y (GV46L) SMD	1

3646-0012-0190 TUNER BD ASS'Y(GV46L)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			364600120190A	TUNER BD ASS'Y(GV46L) AI	1
2			364600120190M	TUNER BD ASS'Y(GV46L) MI	1
3			364600120190S	TUNER BD ASS'Y(GV46L) SMD	1

3646-0012-0306 BEZEL ASS'Y (GV46L)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			1701-0123-7010	Inner Bezel(ABS HB,Black,Thickness=2.6mm)(GV46L)	1
2			1701-0900-2120	IR Filter(GV46L HDTV)	1
3			1701-0900-2180	MYLAR40*7*0.5mm (GV46L)	4
4			1801-0123-4010	Bezel(PC,Black,Thickness=3.0mm)(GV46L) ASS'Y	1
5			1947-1500-2740	3M 4929 Tape(25*25mm t=0.6mm)(GV46L HDTV)	7
6			1947-1500-2930	3M 4929 Tape(445*6mm t=0.6mm)(GV46L HDTV)	6
7			1947-1500-2960	3M 4929 Tape(25*13mm t=0.6mm)(GV46L HDTV)	10

3646-0012-0319 Acoustic Right BOXES ASS'Y (GV46L HDTV)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0321-0200-0031	DIN5P-P2I25402 2464#22 293/508mm 4C+S	1
2			0335-1008-0090	SPEAKER ASS'Y 8OHM 10W	1
3			0335-2008-0000	SPEAKER 8OHM 20W K(102-10)FL-1-C-PF L-F	1
4			1701-0123-5031	SPEAKER FRONT COVER_R (GV42/46)(ABS HB)	1
5			1701-0214-4010	SPEAKER REAR COVER_R (GV42/46)(HiPS)	1
6			1701-1100-1360	SPAKER CABLE SEAL(Φ 5.0mm/Pantone 660C)	1
7			1701-1930-6030	DUCT BOTTOM COVER (GV42/46)(ABS HB)	1
8			1701-1930-7030	DUCT TOP COVER (GV42/46)(ABS HB)	1
9			1701-1930-8030	WOOFER COVER (GV42/46)(ABS HB)	1
10			1701-1930-9030	WOOFER ISOLATED SHEET (GV42/46)(ABS HB)	1
11			1721-0003-0850	TAP. SCREW-TB #3.0*8.0L,BLK-Ni	1
12			1721-0003-1420	TAP. SCREW-TB #3.0*14.0L,NI	12
13			1721-0004-0850	TAP. SCREW-TB #4.0*8.0L, BLK-NI	4
14			1721-0004-1020	TAP. SCREW-TP #4.0*10.0L,NI	7
15			1947-1500-2810	2X5 SPEAKER STUFFING (GV42L/GV46L HDTV)	1
16			1947-1500-2820	WOOFER ENCLOSURE STUFFING (GV46L HDTV)	1
17			1947-1500-2830	DUCT STUFFING (GV46L HDTV)	1
18			1947-1500-2840	REAR STUFFING (GV46L HDTV)	1
19			1947-1500-2850	FRONT COVER STUFFING (GV46L HDTV)	1
20			1947-1500-2860	WOOFER ISOLATED SHEET SEAL (GV42L/GV46L HDTV)	1
21			1947-1500-2870	WOOFER BLOCK SEAL (GV42L/GV46L HDTV)	2
22			1947-1500-2940	RIB SEAL(CR 25.0*5.0*1.0t)(GV46L HDTV)	2
23			1947-2000-1260	RUBBER SEAL(GV42L/GV46L HDTV)	1

3646-0012-0393 ACCESSARY ASS'Y (GV46L HDTV)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0320-4000-0142	POWER CORD 110V UL/CSA 1800mm BLK N.M. (VINC)	1
2			0321-0000-0411	AV CABLE RCA(Y/W/R) 1800mm BLK (VINC)	1
3			0602-3000-0020	Battery Zn-Carbon 1.5V AA	2
4			0980-0304-9011	REMOTE CONTROL 66700BA0-B10-R(Orange backlight) LF	1
5			1925-1100-0230	PE BAG 320*230*0.04T	2
6			1925-1100-0280	PE BAG (180W*290L*0.04t)(PE-LD)(ACC.-1)	1
7			1925-1200-7080	ACCESSARY BOX (330W*230D*50H)	1
8			1925-1300-7080	Brochure VIZIO Series	1
9			1925-1300-7770	MANUAL (VIZIO GV46L HDTV)	1
10			1925-1300-7780	Quick Setup Guide (VIZIO GV46L HDTV)	1
11			1925-1400-2710	Register CARD/VIZIO L15	1
12			1925-2000-0030	Polishing Cloth VIZIO P42 HDTV10A	1

3646-0012-0395 AL PLATE ASSY(GV46L)

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			1701-1931-1030	AL PLATE SUPPORT (GV46L)(ABS HB)	1
2			1712-0300-1541	AL PLATE_1 (GV46L HDTV)	1
3			1947-1500-2920	AL PLATE STUFFING (GV46L HDTV)	2
4			1701-0800-1950	Decorate R(PC,Transpare,Thickness=0.5mm)(GV46L)	1
5			1701-0800-1960	Decorate L(PC,Transpare,Thickness=0.5mm)(GV46L)	1
6			1801-0214-3010	Rear(ABS V5,Thickness=3.0mm)(GV46L) ASS'Y	1

364600120137A AUDIO BD ASS'Y (GV46L) AI

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1		C108	0103-1479-1511	E/C VT 4.7uF 50V 105°C F-T (5*11mm)	1
2		C109	0103-1479-1511	E/C VT 4.7uF 50V 105°C F-T (5*11mm)	1
3		C142	0103-1101-1511	E/C VT 100uF 50V 105°C F-T (8*11.5mm)	1
4		C150	0103-1479-1511	E/C VT 4.7uF 50V 105°C F-T (5*11mm)	1
5		C170	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
6		C171	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
7		C192	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
8		C196	0103-6330-1411	E/C HF 33uF 35V 105°C F-T (5*11mm) L-F	1
9		C200	0103-0229-1511	E/C L-L 2.2uF 50V 105°C F-T 5*11 HW L-F	1
10		C201	0103-0229-1511	E/C L-L 2.2uF 50V 105°C F-T 5*11 HW L-F	1
11		C202	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
12		C203	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
13		C208	0103-0101-1411	E/C L-L 100uF 35V 105°C F-T 8*11.5 HW L-F	1
14		C209	0103-0101-1411	E/C L-L 100uF 35V 105°C F-T 8*11.5 HW L-F	1
15		C227	0103-1101-1511	E/C VT 100uF 50V 105°C F-T (8*11.5mm)	1
16		C229	0103-1101-1511	E/C VT 100uF 50V 105°C F-T (8*11.5mm)	1
17		C231	0103-1101-1511	E/C VT 100uF 50V 105°C F-T (8*11.5mm)	1
18		C233	0103-1101-1511	E/C VT 100uF 50V 105°C F-T (8*11.5mm)	1
19		C235	0103-1101-1511	E/C VT 100uF 50V 105°C F-T (8*11.5mm)	1
20		C237	0103-1101-1511	E/C VT 100uF 50V 105°C F-T (8*11.5mm)	1

364600120137M AUDIO BD ASS'Y (GV46L) MI

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1		C176	0103-1471-1410	E/C VZ 470uF 35V 105'C NF-T (10*16mm) L-F	1
2		C177	0103-1471-1410	E/C VZ 470uF 35V 105'C NF-T (10*16mm) L-F	1
3		C186	0123-0224-0632	P/C R82 0.22uF 63V J B L-F	1
4		C187	0123-0224-0632	P/C R82 0.22uF 63V J B L-F	1
5		C190	0123-0474-0632	P/C R82 0.47uF 63V J B L-F	1
6		C216	0103-6102-1412	E/C HF 1000uF 35V 105'C (12.5*25mm)	1
7		C220	0123-0474-0632	P/C R82 0.47uF 63V J B L-F	1
8		C221	0123-0474-0632	P/C R82 0.47uF 63V J B L-F	1
9		C222	0103-0471-1312	E/C L-L 470uF 25V 105'C K 10*16 HW L-F	1
10		C223	0103-0471-1312	E/C L-L 470uF 25V 105'C K 10*16 HW L-F	1
11		C238	0103-6102-1412	E/C HF 1000uF 35V 105'C (12.5*25mm)	1
12		C239	0103-6102-1412	E/C HF 1000uF 35V 105'C (12.5*25mm)	1
13		C241	0103-6102-1412	E/C HF 1000uF 35V 105'C (12.5*25mm)	1
14		C242	0103-6102-1412	E/C HF 1000uF 35V 105'C (12.5*25mm)	1
15		J1	0451-2000-0766	WAFER 2.0mm 7P 90' DIP KINK (M24267R) L-F	1
16		J2	0451-2500-0446	WAFER 2.5mm 4P 90' DIP KINK (M241854R) L-F	1
17	SS		0451-2500-0443	WAFER 2.50mm 4P 90' KINK (A2501WR2-4P) L-F	
18		J3	0451-2500-0243	WAFER 2.50mm 2P 90' KINK (A2501WR2-2P) L-F	1
19	SS		0451-2500-0246	WAFER 2.5mm 2P 90' DIP KINK (M241852R) L-F	
20		J4	0451-2500-0646	WAFER 2.5mm 6P 90' DIP KINK (M241856R) L-F	1
21	SS		0451-2500-0643	WAFER 2.50mm 6P 90' KINK (A2501WR2-6P) L-F	
22		U9	0430-6016-3189	IC REGULATOR PQ30RV31J00H 3A DIP 4PIN LF	1
23		U9H	1712-0400-1910	Heatsink(AUDIO) (GV46L)	1
24		U9S	1720-0003-0620	MAC. SCREW-MB M3.0*6.0L,Ni	1

364600120137S AUDIO BD ASS'Y (GV46L) SMD

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0171-2871-0122	PCB AUDIO BD FR4 120*100*1.6t 2L(GV46L)(1:4)	1
2		C110	0111-3471-5116	C/M MULTI. 470PF 50V X7R 0603	1
3		C111	0111-3471-5116	C/M MULTI. 470PF 50V X7R 0603	1
4		C112	0111-3471-5116	C/M MULTI. 470PF 50V X7R 0603	1
5		C113	0111-3471-5116	C/M MULTI. 470PF 50V X7R 0603	1
6		C114	0111-3223-5116	C/M MULTI. 0.022uF 50V X7R 0603	1
7	SS		0112-3223-5116	C/M MULTI 0.022uF 50V X7R 0603	
8		C115	0111-3223-5116	C/M MULTI. 0.022uF 50V X7R 0603	1
9	SS		0112-3223-5116	C/M MULTI 0.022uF 50V X7R 0603	
10		C116	0111-3223-5116	C/M MULTI. 0.022uF 50V X7R 0603	1
11	SS		0112-3223-5116	C/M MULTI 0.022uF 50V X7R 0603	
12		C117	0111-3223-5116	C/M MULTI. 0.022uF 50V X7R 0603	1
13	SS		0112-3223-5116	C/M MULTI 0.022uF 50V X7R 0603	
14		C122	0112-3120-5106	C/M Multi. 12PF 50V NPO 0603	1
15		C123	0112-3120-5106	C/M Multi. 12PF 50V NPO 0603	1
16		C126	0111-3471-5116	C/M MULTI. 470PF 50V X7R 0603	1
17		C127	0111-3471-5116	C/M MULTI. 470PF 50V X7R 0603	1
18		C140	0111-3104-5115	C/M MULTI 0.1UF 50V X7R 0805	1
19	SS		0112-3104-5115	C/M MULTI 0.1uF 50V X7R 0805 L-F	
20		C141	0111-3104-5115	C/M MULTI 0.1UF 50V X7R 0805	1
21	SS		0112-3104-5115	C/M MULTI 0.1uF 50V X7R 0805 L-F	
22		C151	0111-3471-5116	C/M MULTI. 470PF 50V X7R 0603	1
23		C152	0111-3101-5106	C/M MULTI. 100PF 50V NPO 0603	1
24	SS		0112-3101-5106	C/M Multi. 100PF 50V NPO 0603	
25		C154	0111-3101-5106	C/M MULTI. 100PF 50V NPO 0603	1
26	SS		0112-3101-5106	C/M Multi. 100PF 50V NPO 0603	
27		C155	0111-3223-5116	C/M MULTI. 0.022uF 50V X7R 0603	1
28	SS		0112-3223-5116	C/M MULTI 0.022uF 50V X7R 0603	
29		C156	0111-3223-5116	C/M MULTI. 0.022uF 50V X7R 0603	1
30	SS		0112-3223-5116	C/M MULTI 0.022uF 50V X7R 0603	
31		C158	0111-3223-5116	C/M MULTI. 0.022uF 50V X7R 0603	1
32	SS		0112-3223-5116	C/M MULTI 0.022uF 50V X7R 0603	
33		C159	0112-3224-2516	C/M Multi. 0.22uF 25V X7R 0603	1
34		C160	0112-3224-2516	C/M Multi. 0.22uF 25V X7R 0603	1
35		C163	0112-3120-5106	C/M Multi. 12PF 50V NPO 0603	1
36		C172	0111-3109-5106	C/M MULTI 1PF 50V NPO 0603	1
37	SS		0112-3109-5106	C/M Multi. 1PF 50V NPO 0603 L-F	
38		C173	0111-3109-5106	C/M MULTI 1PF 50V NPO 0603	1
39	SS		0112-3109-5106	C/M Multi. 1PF 50V NPO 0603 L-F	
40		C174	0111-3222-5116	C/M MULTI. 2200PF 50V X7R 0603	1
41		C175	0112-3105-5135	C/M MULTI 1.0uF 50V Y5V 0805	1
42		C178	0112-3105-5135	C/M MULTI 1.0uF 50V Y5V 0805	1
43		C179	0112-3105-5135	C/M MULTI 1.0uF 50V Y5V 0805	1
44		C180	0111-3474-2536	C/M Multi 0.47uF 25V Y5V 0603	1
45	SS		0112-3474-2536	C/M Multi 0.47uF 25V Y5V 0603 L-F	
46		C181	0111-3474-2536	C/M Multi 0.47uF 25V Y5V 0603	1
47	SS		0112-3474-2536	C/M Multi 0.47uF 25V Y5V 0603 L-F	
48		C182	0111-3391-5106	C/M MULTI 390PF 50V NPO 0603	1
49	SS		0112-3391-5106	C/M Multi. 390PF 50V NPO 0603	
50		C183	0111-3391-5106	C/M MULTI 390PF 50V NPO 0603	1
51	SS		0112-3391-5106	C/M Multi. 390PF 50V NPO 0603	
52		C184	0111-3270-5106	C/M Multi. 27PF 50V NPO 0603	1
53	SS		0112-3270-5106	C/M Multi. 27PF 50V NPO 0603	
54		C185	0111-3270-5106	C/M Multi. 27PF 50V NPO 0603	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
55	SS		0112-3270-5106	C/M Multi. 27PF 50V NPO 0603	
56		C188	0111-3104-5115	C/M MULTI 0.1UF 50V X7R 0805	1
57	SS		0112-3104-5115	C/M MULTI 0.1uF 50V X7R 0805 L-F	
58		C189	0111-3104-5115	C/M MULTI 0.1UF 50V X7R 0805	1
59	SS		0112-3104-5115	C/M MULTI 0.1uF 50V X7R 0805 L-F	
60		C204	0111-3332-5116	C/M MULTI. 3300PF 50V X7R 0603	1
61	SS		0112-3332-5116	C/M Multi. 3300PF 50V X7R 0603	
62		C205	0111-3272-5116	C/M MULTI 2700PF 50V X7R 0603	1
63	SS		0112-3272-5116	C/M MULTI 2700PF 50V X7R 0603	
64		C210	0112-3105-5135	C/M MULTI 1.0uF 50V Y5V 0805	1
65		C211	0112-3105-5135	C/M MULTI 1.0uF 50V Y5V 0805	1
66		C212	0111-3474-2536	C/M Multi 0.47uF 25V Y5V 0603	1
67	SS		0112-3474-2536	C/M Multi 0.47uF 25V Y5V 0603 L-F	
68		C213	0111-3474-2536	C/M Multi 0.47uF 25V Y5V 0603	1
69	SS		0112-3474-2536	C/M Multi 0.47uF 25V Y5V 0603 L-F	
70		C214	0111-3220-5106	C/M MULTI. 22PF 50V NPO 0603	1
71	SS		0112-3220-5106	C/M Multi. 22PF 50V NPO 0603	
72		C215	0111-3220-5106	C/M MULTI. 22PF 50V NPO 0603	1
73	SS		0112-3220-5106	C/M Multi. 22PF 50V NPO 0603	
74		C217	0112-3334-5115	C/M MULTI 0.33UF 50V X7R 0805	1
75		C218	0111-3391-5106	C/M MULTI 390PF 50V NPO 0603	1
76	SS		0112-3391-5106	C/M Multi. 390PF 50V NPO 0603	
77		C219	0111-3391-5106	C/M MULTI 390PF 50V NPO 0603	1
78	SS		0112-3391-5106	C/M Multi. 390PF 50V NPO 0603	
79		C224	0111-3104-5115	C/M MULTI 0.1UF 50V X7R 0805	1
80	SS		0112-3104-5115	C/M MULTI 0.1uF 50V X7R 0805 L-F	
81		C225	0111-3104-5115	C/M MULTI 0.1UF 50V X7R 0805	1
82	SS		0112-3104-5115	C/M MULTI 0.1uF 50V X7R 0805 L-F	
83		C226	0111-3104-5115	C/M MULTI 0.1UF 50V X7R 0805	1
84	SS		0112-3104-5115	C/M MULTI 0.1uF 50V X7R 0805 L-F	
85		C228	0111-3104-5115	C/M MULTI 0.1UF 50V X7R 0805	1
86	SS		0112-3104-5115	C/M MULTI 0.1uF 50V X7R 0805 L-F	
87		C230	0111-3104-5115	C/M MULTI 0.1UF 50V X7R 0805	1
88	SS		0112-3104-5115	C/M MULTI 0.1uF 50V X7R 0805 L-F	
89		C232	0111-3104-5115	C/M MULTI 0.1UF 50V X7R 0805	1
90	SS		0112-3104-5115	C/M MULTI 0.1uF 50V X7R 0805 L-F	
91		C234	0111-3104-5115	C/M MULTI 0.1UF 50V X7R 0805	1
92	SS		0112-3104-5115	C/M MULTI 0.1uF 50V X7R 0805 L-F	
93		C236	0111-3104-5115	C/M MULTI 0.1UF 50V X7R 0805	1
94	SS		0112-3104-5115	C/M MULTI 0.1uF 50V X7R 0805 L-F	
95		C240	0111-3104-5115	C/M MULTI 0.1UF 50V X7R 0805	1
96	SS		0112-3104-5115	C/M MULTI 0.1uF 50V X7R 0805 L-F	
97		C243	0111-3104-5115	C/M MULTI 0.1UF 50V X7R 0805	1
98	SS		0112-3104-5115	C/M MULTI 0.1uF 50V X7R 0805 L-F	
99		D10	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
100		D11	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
101		D12	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
102		D2	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
103		D3	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
104		D4	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
105		D5	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
106		FB2	0370-0001-0752	CHIP BEAD CORE 120ohm (MLB-201209-0120P-N2A)	1
107		FB3	0370-0001-0752	CHIP BEAD CORE 120ohm (MLB-201209-0120P-N2A)	1
108		FB5	0370-0001-0752	CHIP BEAD CORE 120ohm (MLB-201209-0120P-N2A)	1
109		FB6	0370-0001-0752	CHIP BEAD CORE 120ohm (MLB-201209-0120P-N2A)	1
110		L10	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
111		L11	0370-0001-4282	CHIP BEAD 80ohm 6A 0805 (GB201212K800TM) LF	1
112		L2	0360-1000-0400	POWER INDUCTOR L:10uH 4.0A 12x12mm SMD LF	1
113		L3	0360-1000-0400	POWER INDUCTOR L:10uH 4.0A 12x12mm SMD LF	1
114		L4	0360-1000-0410	POWER INDUCTOR L:15uH 4.7A 12x12mm SMD LF	1
115		L5	0360-1000-0410	POWER INDUCTOR L:15uH 4.7A 12x12mm SMD LF	1
116		Q1	0411-0000-7612	TR NPN 30mA 50V DTC144EKA-T146 SMT3 LF	1
117		Q2	0411-0000-7612	TR NPN 30mA 50V DTC144EKA-T146 SMT3 LF	1
118		Q3	0410-5000-5719	TRANSISTOR KN3906S SOT-23 LF	1
119		Q4	0420-1004-9621	MOSFET N-CH 2N7002E-T1-E3 SMD (SOT-23) L-F	1
120		R108	0130-1101-0055	RES. CF 1.1Kohm 1/10W J 0603	1
121		R109	0130-1101-0055	RES. CF 1.1Kohm 1/10W J 0603	1
122		R110	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
123		R111	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
124		R112	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
125		R113	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
126		R114	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
127		R115	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
128		R116	0130-1500-0055	RES. CF 150ohm 1/10W J 0603	1
129		R117	0130-1500-0055	RES. CF 150ohm 1/10W J 0603	1
130		R118	0130-4702-0055	RES. CF 47Kohm 1/10W J 0603	1
131		R119	0130-4702-0055	RES. CF 47Kohm 1/10W J 0603	1
132		R122	0130-4702-0055	RES. CF 47Kohm 1/10W J 0603	1
133		R123	0130-4702-0055	RES. CF 47Kohm 1/10W J 0603	1
134		R124	0130-4702-0055	RES. CF 47Kohm 1/10W J 0603	1
135		R125	0130-4702-0055	RES. CF 47Kohm 1/10W J 0603	1
136		R126	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
137		R127	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
138		R128	0130-2002-0055	RES. CF 20Kohm 1/10W J 0603	1
139		R129	0130-2002-0055	RES. CF 20Kohm 1/10W J 0603	1
140		R130	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
141		R131	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
142		R132	0130-1500-0055	RES. CF 150ohm 1/10W J 0603	1
143		R133	0130-1500-0055	RES. CF 150ohm 1/10W J 0603	1
144		R140	0130-2002-0055	RES. CF 20Kohm 1/10W J 0603	1
145		R141	0130-2002-0055	RES. CF 20Kohm 1/10W J 0603	1
146		R142	0130-4709-0055	RES. CF 47ohm 1/10W J 0603	1
147		R143	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
148		R150	0130-1101-0055	RES. CF 1.1Kohm 1/10W J 0603	1
149		R151	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
150		R152	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
151		R153	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
152		R154	0130-4702-0055	RES. CF 47Kohm 1/10W J 0603	1
153		R155	0130-4702-0055	RES. CF 47Kohm 1/10W J 0603	1
154		R156	0130-7502-0055	RES. CF 75Kohm 1/10W J 0603	1
155		R157	0130-7502-0055	RES. CF 75Kohm 1/10W J 0603	1
156		R158	0130-7502-0055	RES. CF 75Kohm 1/10W J 0603	1
157		R159	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
158		R160	0130-1202-0055	RES. CF 12Kohm 1/10W J 0603	1
159		R161	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
160		R162	0130-1500-0055	RES. CF 150ohm 1/10W J 0603	1
161		R170	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
162		R171	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
163		R172	0130-5101-0055	RES. CF 5.1Kohm 1/10W J 0603	1
164		R173	0130-5101-0055	RES. CF 5.1Kohm 1/10W J 0603	1
165		R174	0130-1003-0055	RES. CF 100Kohm 1/10W J 0603	1
166		R175	0130-1202-0055	RES. CF 12Kohm 1/10W J 0603	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
167		R176	0130-2002-0055	RES. CF 20Kohm 1/10W J 0603	1
168		R177	0130-2002-0055	RES. CF 20Kohm 1/10W J 0603	1
169		R178	0130-1009-0055	RES. CF 10ohm 1/10W J 0603	1
170		R179	0130-1009-0055	RES. CF 10ohm 1/10W J 0603	1
171		R180	0130-1003-0055	RES. CF 100Kohm 1/10W J 0603	1
172		R181	0130-1003-0055	RES. CF 100Kohm 1/10W J 0603	1
173		R182	0131-4992-0015	RES. MF 49.9Kohm 1/10W F 0603	1
174		R183	0131-4992-0015	RES. MF 49.9Kohm 1/10W F 0603	1
175		R184	0130-1009-1858	RES. CF 10ohm 1/8W J 0805	1
176		R185	0130-1009-1858	RES. CF 10ohm 1/8W J 0805	1
177		R200	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
178		R201	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
179		R202	0130-1003-0055	RES. CF 100Kohm 1/10W J 0603	1
180		R203	0130-1003-0055	RES. CF 100Kohm 1/10W J 0603	1
181		R204	0130-1003-0055	RES. CF 100Kohm 1/10W J 0603	1
182		R205	0130-1003-0055	RES. CF 100Kohm 1/10W J 0603	1
183		R206	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
184		R207	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
185		R208	0130-2002-0055	RES. CF 20Kohm 1/10W J 0603	1
186		R209	0130-2002-0055	RES. CF 20Kohm 1/10W J 0603	1
187		R210	0130-1203-0055	RES. CF 120Kohm 1/10W J 0603	1
188		R211	0130-1203-0055	RES. CF 120Kohm 1/10W J 0603	1
189		R212	0130-1009-0055	RES. CF 10ohm 1/10W J 0603	1
190		R213	0130-1009-0055	RES. CF 10ohm 1/10W J 0603	1
191		R214	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
192		R215	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
193		R216	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
194		R217	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
195		R220	0130-1003-0055	RES. CF 100Kohm 1/10W J 0603	1
196		R221	0130-1202-0055	RES. CF 12Kohm 1/10W J 0603	1
197		R222	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
198		R223	0130-1002-0055	RES. CF 10Kohm 1/10W J 0603	1
199		R224	0130-1003-0055	RES. CF 100Kohm 1/10W J 0603	1
200		R225	0130-2209-0055	RES. CF 22ohm 1/10W J 0603	1
201		R226	0130-1003-0055	RES. CF 100Kohm 1/10W J 0603	1
202		R227	0131-4640-0015	RES. MF 464 ohm 1/10W F 0603	1
203		R228	0131-8251-0015	RES. MF 8.25Kohm 1/10W F 0603	1
204		SD10	0390-6004-9293	Schottky Diode 1A 40V B140B-13-F SMB L-F	1
205		SD11	0390-6004-9293	Schottky Diode 1A 40V B140B-13-F SMB L-F	1
206		SD12	0390-6006-5293	SCHOTTKY DIODE 3A 40V B340-13-F SMC L-F	1
207		SD14	0390-6006-5293	SCHOTTKY DIODE 3A 40V B340-13-F SMC L-F	1
208		SD2	0390-6006-8293	SCHOTTKY DIODE 2A 40V B240-13-F SMB L-F	1
209		SD3	0390-6006-8293	SCHOTTKY DIODE 2A 40V B240-13-F SMB L-F	1
210		SD4	0390-6006-8293	SCHOTTKY DIODE 2A 40V B240-13-F SMB L-F	1
211		SD5	0390-6006-8293	SCHOTTKY DIODE 2A 40V B240-13-F SMB L-F	1
212		SD6	0390-6004-9293	Schottky Diode 1A 40V B140B-13-F SMB L-F	1
213		SD7	0390-6004-9293	Schottky Diode 1A 40V B140B-13-F SMB L-F	1
214		SD8	0390-6006-8293	SCHOTTKY DIODE 2A 40V B240-13-F SMB L-F	1
215		SD9	0390-6006-8293	SCHOTTKY DIODE 2A 40V B240-13-F SMB L-F	1
216		U1	0430-1008-6088	IC NJM4558M-TE2_PB SO8(DMP8) L-F	1
217	SS		0430-1010-9088	IC DUAL OP AMP NJM4558M-TE3_PB SO8(DMP8) L-F	
218		U2	0430-1008-6088	IC NJM4558M-TE2_PB SO8(DMP8) L-F	1
219	SS		0430-1010-9088	IC DUAL OP AMP NJM4558M-TE3_PB SO8(DMP8) L-F	
220		U3	0430-1008-6088	IC NJM4558M-TE2_PB SO8(DMP8) L-F	1
221	SS		0430-1010-9088	IC DUAL OP AMP NJM4558M-TE3_PB SO8(DMP8) L-F	
222		U4	0430-1008-6088	IC NJM4558M-TE2_PB SO8(DMP8) L-F	1
223	SS		0430-1010-9088	IC DUAL OP AMP NJM4558M-TE3_PB SO8(DMP8) L-F	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
224		U5	0430-1008-6088	IC NJM4558M-TE2_PB SO8(DMP8) L-F	1
225	SS		0430-1010-9088	IC DUAL OP AMP NJM4558M-TE3_PB SO8(DMP8) L-F	
226		U6	0430-1008-6088	IC NJM4558M-TE2_PB SO8(DMP8) L-F	1
227	SS		0430-1010-9088	IC DUAL OP AMP NJM4558M-TE3_PB SO8(DMP8) L-F	
228		U7	0430-7043-4620	IC 2*20W AUDIO AMP MP7722DF-LF-Z 20PIN TSSOP LF	1
229		U8	0430-7043-3620	IC 50W AUDIO AMP MP7782DF-LF-Z 20PIN TSSOP LF	1
230		ZD2	0400-0681-2713	ZENER 6.46V-7.14V MMSZ5235B 1/2W SOD-123 L-F	1
231		ZD3	0400-0681-2713	ZENER 6.46V-7.14V MMSZ5235B 1/2W SOD-123 L-F	1
232		ZD4	0400-0681-2713	ZENER 6.46V-7.14V MMSZ5235B 1/2W SOD-123 L-F	1
233		ZD7	0400-0681-2713	ZENER 6.46V-7.14V MMSZ5235B 1/2W SOD-123 L-F	1

364600120150A MAIN BD ASS'Y(GV46L) AI

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1		C153	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
2	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
3		C186	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
4	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
5		C188	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
6	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
7		C196	0103-1330-1311	E/C VT 33uF 25V 105°C F-T (5*11mm)	1
8		C2	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
9		C208	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
10	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
11		C21	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
12	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
13		C22	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
14	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
15		C221	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
16		C225	0103-6471-1211	E/C HF 470uF 16V 105°C (8*15mm) L-F	1
17	SS		0102-2471-1271	E/C L-L 470uF 16V 105°C F-T 8*15 (KY LF)	
18		C23	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
19	SS		0102-1221-1271	E/C 220uF 16V 105°C 6.3*11 KMG L-F	
20		C234	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
21		C239	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
22		C242	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
23		C244	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
24		C245	0103-6471-1211	E/C HF 470uF 16V 105°C (8*15mm) L-F	1
25	SS		0102-2471-1271	E/C L-L 470uF 16V 105°C F-T 8*15 (KY LF)	
26		C25	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
27	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
28		C253	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
29		C256	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
30		C26	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
31	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
32		C263	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
33		C268	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
34		C27	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
35	SS		0102-1221-1271	E/C 220uF 16V 105°C 6.3*11 KMG L-F	
36		C270	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
37		C272	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
38		C273	0103-6471-1211	E/C HF 470uF 16V 105°C (8*15mm) L-F	1
39	SS		0102-2471-1271	E/C L-L 470uF 16V 105°C F-T 8*15 (KY LF)	
40		C276	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
41		C282	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
42		C283	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
43		C289	0103-1470-1311	E/C VT 47uF 25V 105°C F-T (5*11mm)	1
44		C29	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
45	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
46		C30	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
47	SS		0102-1221-1271	E/C 220uF 16V 105°C 6.3*11 KMG L-F	
48		C301	0103-1330-1311	E/C VT 33uF 25V 105°C F-T (5*11mm)	1
49		C309	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
50	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
51		C31	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
52	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
53		C315	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
54	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
55		C319	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
56	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
57		C327	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
58	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
59		C333	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
60	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
61		C335	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
62	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
63		C340	0103-1101-1311	E/C VT 100uF 25V 105°C F-T (6.3*11mm)	1
64		C366	0103-1101-1311	E/C VT 100uF 25V 105°C F-T (6.3*11mm)	1
65		C368	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
66	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
67		C369	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
68	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
69		C394	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
70	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
71		C402	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
72	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
73		C405	0103-1339-1511	E/C VT 3.3uF 50V 105°C F-T (5*11mm)	1
74	SS		0102-1339-1571	E/C 3.3uF 50V 105°C (5*11) KMG L-F	
75		C406	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
76	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
77		C407	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
78	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
79		C410	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
80	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
81		C415	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
82	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
83		C419	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
84	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
85		C428	0103-1101-1311	E/C VT 100uF 25V 105°C F-T (6.3*11mm)	1
86		C430	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
87	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
88		C433	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
89	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
90		C435	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
91	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
92		C436	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
93	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
94		C438	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
95	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
96		C441	0103-1101-1311	E/C VT 100uF 25V 105°C F-T (6.3*11mm)	1
97		C443	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
98	SS		0102-1221-1271	E/C 220uF 16V 105°C 6.3*11 KMG L-F	
99		C444	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
100	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
101		C445	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
102	SS		0102-1221-1271	E/C 220uF 16V 105°C 6.3*11 KMG L-F	
103		C447	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
104	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
105		C496	0103-1339-1511	E/C VT 3.3uF 50V 105°C F-T (5*11mm)	1
106	SS		0102-1339-1571	E/C 3.3uF 50V 105°C (5*11) KMG L-F	
107		C505	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
108	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
109		C507	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
110	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
111		C508	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
112	SS		0102-1221-1271	E/C 220uF 16V 105°C 6.3*11 KMG L-F	
113		C509	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
114	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
115		C511	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
116	SS		0102-1221-1271	E/C 220uF 16V 105°C 6.3*11 KMG L-F	
117		C512	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
118	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
119		C561	0103-1339-1511	E/C VT 3.3uF 50V 105°C F-T (5*11mm)	1
120	SS		0102-1339-1571	E/C 3.3uF 50V 105°C (5*11) KMG L-F	
121		C577	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
122	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
123		C578	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
124		C580	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
125	SS		0102-1220-1571	E/C 22uF 50V 105°C 5*11 KMG L-F	
126		C581	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
127		D4	0390-6001-4270	SCHOTTKY DIODE 5A 60V SB560 DO-201AD LF	1
128		D7	0390-6007-0352	SCHOTTKY DIODE 1A 40V SB140 DO-41 LF	1
129		D8	0390-6007-0352	SCHOTTKY DIODE 1A 40V SB140 DO-41 LF	1
130		L1	0370-0000-1011	FERRITE CORE RH 3.5X6X1.0(W)X2 L-F	1
131		L2	0370-0000-1011	FERRITE CORE RH 3.5X6X1.0(W)X2 L-F	1

364600120150M MAIN BD ASS'Y(GV46L) MI

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1		CN1	0451-2000-1206	WAFER 2.0mm 12P 180' DIP KINK (M242612) L-F	1
2		CN3	0451-2000-0506	WAFER 2.0mm 5P 180' DIP KINK (M24265) L-F	1
3		C14	0103-6332-1210	E/C HF 3300uF 16V 105'C N-F (12.5*31.5)	1
4		C17	0103-6471-1411	E/C HF 470uF 35V 105'C (10*20mm) L-F	1
5		C297-U60	0460-2001-0400	WIRE 1571#30 25mm BLACK T/C	1
6		C392	0103-6102-1111	E/C HF 1000uF 10V 105'C F (8*20)	1
7		C4	0103-6102-1111	E/C HF 1000uF 10V 105'C F (8*20)	1
8		C7	0103-6471-1311	E/C HF 470uF 25V 105'C F (10*16mm)	1
9		C9	0103-6102-1111	E/C HF 1000uF 10V 105'C F (8*20)	1
10		JP4	0290-2510-2019	PIN HEADER 1*2PIN 2.54mm 180' L-F	1
11		JP4(1-2)	0300-2250-0027	MINI JUMPER 2.54MM 2P CLOSE	1
12		J10	0290-2510-3019	PIN HEADER 1*3PIN 2.54mm 180' L-F	1
13		J10(1-2)	0300-2250-0027	MINI JUMPER 2.54MM 2P CLOSE	1
14		J11	0451-2000-0706	WAFER 2.0mm 7P 180' DIP KINK (M24267) L-F	1
15		J12	0451-1250-0363	WAFER 1.25mm 3P 90' KINK (A1251WR0-3P) L-F	1
16		J3	0290-2510-3019	PIN HEADER 1*3PIN 2.54mm 180' L-F	1
17		J3(2-3)	0300-2250-0027	MINI JUMPER 2.54MM 2P CLOSE	1
18		J4	0290-2510-3019	PIN HEADER 1*3PIN 2.54mm 180' L-F	1
19		J4(1-2)	0300-2250-0027	MINI JUMPER 2.54MM 2P CLOSE	1
20		J9	0290-2510-3019	PIN HEADER 1*3PIN 2.54mm 180' L-F	1
21		J9(1-2)	0300-2250-0027	MINI JUMPER 2.54MM 2P CLOSE	1
22		L43	0361-1000-0430	COIL CHOKE 50uH 1A 9*12	1
23		L8	0361-1000-0360	COIL CHOKE 100uH 3A LF	1
24		U1	0430-6011-3210	IC MC7805CTG 3PIN TO-220 LF	1
25	SS		0430-6011-3242	IC REGULATOR AZ7805T-E1 TO-220 3PIN LF	1
26		U31	0430-6013-9207	IC REGULATOR L7808CV 3PIN TO-220 LF	1
27	SS		0430-6014-3056	IC KIA7808API 3PIN TO-220 LF	1
28		W10	0300-3080-0020	S-VIDEO 8P (2MJ-2522U110)	1
29		W11	0302-9040-0010	RCA JACK 2ROW 4I/O 90' (W-R) L-F	1
30		W12	0302-0350-0170	PHONE JACK 3.5 φ 9P GREEN	1
31		W13	0302-9040-0020	RCA JACK 2ROW 4I/O 90' (W-W/R-R) L-F	1
32		W14	0302-9060-0022	RCA JACK 2ROW 6I/O (Y-W-R) L-F	1
33		W2	0455-2542-4070	BOX HEADER 2*20P 2.54mm 180' 211S40-000A	1
34		W3	0302-9020-0114	RCA JACK 2ROW 2I/O (W-R) L-F	1
35		W5	0302-0350-0012	PHONE JACK 3.5 φ 5P 90' +SHIELD L-F	1
36		W6	0300-1205-3151	D-SUB FEMALE 90' 15P 3ROW (DV11201-H5R6-4F) L-F	1
37		W7	0302-9060-0020	RCA JACK 2ROW 6I/O (G-B-R)	1
38		W8	0202-6000-0003	RJ11 6P6C Gray UNDER CONTACT L-F	1
39		X1	0280-1960-0012	X'TAL 19.6608MHz 49US 30PPM 18PF + Pad 0~70'C	1
40		X2	0280-1960-0012	X'TAL 19.6608MHz 49US 30PPM 18PF + Pad 0~70'C	1
41		Y1	0280-1800-0052	X'TAL 18.432MHz 49US 30PPM 20PF 40ohm -20~85 °C	1
42		Y2	0280-2830-0112	X'TAL 28.322MHz 49US 30PPM 30PF + Pad 0~70'C	1

364600120150S MAIN BD ASS'Y(GV46L) SMD

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			364600120150B	MAIN BD ASS'Y(GV46L) BOT	1
2			364600120150T	MAIN BD ASS'Y(GV46L) TOP	1

364600120156M LCD TV DISPLAY BD ASS'Y (GV46L HDTV) MI

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1		SWD1	0220-7020-0130	SW TACT 6*6mm 180' 160g SFKHHAM2525 L-F	1
2		SWD2	0220-7020-0130	SW TACT 6*6mm 180' 160g SFKHHAM2525 L-F	1
3		SWD3	0220-7020-0130	SW TACT 6*6mm 180' 160g SFKHHAM2525 L-F	1
4		SWD4	0220-7020-0130	SW TACT 6*6mm 180' 160g SFKHHAM2525 L-F	1
5		SWD5	0220-7020-0130	SW TACT 6*6mm 180' 160g SFKHHAM2525 L-F	1
6		SWD6	0220-7020-0130	SW TACT 6*6mm 180' 160g SFKHHAM2525 L-F	1
7		SWD7	0220-7020-0130	SW TACT 6*6mm 180' 160g SFKHHAM2525 L-F	1
8		WD1	0451-2000-0766	WAFER 2.0mm 7P 90' DIP KINK (M24267R) L-F	1

364600120156S LCD TV DISPLAY BD ASS'Y (GV46L HDTV) SMD

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0171-1770-1731	PCB DISPLAY BD FR4 180*20*1.6t S (GV46L)(1:10)	1
2		CD1	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
3	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
4	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
5	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
6		CD2	0111-3104-1616	C/M Multi. 0.1uF 16V X7R 0603	1
7		CD3	0111-3104-1616	C/M Multi. 0.1uF 16V X7R 0603	1
8		LD1	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
9		RD1	0131-7870-0015	RES. MF 787ohm 1/10W F 0603	1
10		RD2	0131-6819-0015	RES. MF 68.1ohm 1/10W F 0603	1
11		RD3	0131-1130-0015	RES. MF 113ohm 1/10W F 0603	1
12		RD4	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
13		RD5	0131-7870-0015	RES. MF 787ohm 1/10W F 0603	1
14		RD6	0131-3749-0015	RES. MF 37.4ohm 1/10W F 0603	1
15		RD7	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
16		RD8	0131-1130-0015	RES. MF 113ohm 1/10W F 0603	1
17		RD9	0131-1130-0015	RES. MF 113ohm 1/10W F 0603	1
18		ZD1	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
19		ZD2	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
20		ZD3	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1

364600120189M IR BD ASS'Y (GV46L) MI

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1		UR1	0980-0200-2130	MODULE. IR RECEIVER (FM-6038LM-5AN)	1
2		UR1S	1701-1500-0360	IR HOLDER (TM-15A)	1
3		WR1	0451-2000-0466	WAFER 2.0mm 4P 90° DIP KINK (M24264R) L-F	1

364600120189S IR BD ASS'Y (GV46L) SMD

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0171-1671-0461	PCB IR BD FR4 61*13*1.6t D (PD-50LT)(1:20)	1
2		CR1	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
3	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
4		CR2	0111-3475-1135	C/M MULTI 4.7uF 10V Y5V 0805	1
5	SS		0112-3475-1135	C/M MULTI 4.7uF 10V Y5V 0805	
6		CR3	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
7	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
8		LR1	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
9		RR1	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
10		RR2	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
11		RR3	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
12		RR5	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
13		RR6	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
14		RR7	0130-3301-1654	RES. CF 3.3Kohm 1/16W J 0402	1
15		RR8	0130-3301-1654	RES. CF 3.3Kohm 1/16W J 0402	1
16		RR9	0130-3301-1654	RES. CF 3.3Kohm 1/16W J 0402	1
17		UR2	0430-1010-0035	IC TTL NC7SZ14M5X 5PIN SOT-23 LF	1
18		ZDR1	0400-0881-5012	ZENER 8.85~9.23V UHZSTE-179.1B 1/5W SOD-323	1

364600120190A TUNER BD ASS'Y(GV46L) AI

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1		C111	0103-6470-1311	E/C HF 47uF 25V 105°C F-T (5*11mm) L-F	1
2		C122	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
3		C135	0103-1479-1511	E/C VT 4.7uF 50V 105°C F-T (5*11mm)	1
4		C140	0103-1479-1511	E/C VT 4.7uF 50V 105°C F-T (5*11mm)	1
5		C148	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
6		C150	0103-1470-1211	E/C VT 47uF 16V 105°C F-T (5*11mm)	1
7		C164	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
8		C17	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
9		C185	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
10		C19	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
11		C20	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
12		C239	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
13		C251	0103-1220-1511	E/C VT 22uF 50V 105°C F-T (5*11mm)	1
14		C26	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
15		C4	0103-6101-1311	E/C HF 100uF 25V 105°C F-T (6.3*11mm)	1
16		C5	0103-1221-1211	E/C VZ 220uF 16V 105°C F-T (6.3*11mm)	1
17		C74	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
18		C8	0103-6101-1311	E/C HF 100uF 25V 105°C F-T (6.3*11mm)	1
19		C82	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1
20		C99	0103-1100-1511	E/C VT 10uF 50V 105°C F-T (5*11mm)	1

364600120190M TUNER BD ASS'Y(GV46L) MI

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1		C1	0103-6102-1212	E/C HF 1000uF 16V 105'C F (10*20)	1
2	SS		0103-6102-1210	E/C HF 1000uF 16V 105'C N-F (10*20)	
3		C11	0103-1221-1211	E/C VZ 220uF 16V 105'C F-T (6.3*11mm)	1
4		C12	0103-1221-1211	E/C VZ 220uF 16V 105'C F-T (6.3*11mm)	1
5		C13	0103-6102-1212	E/C HF 1000uF 16V 105'C F (10*20)	1
6	SS		0103-6102-1210	E/C HF 1000uF 16V 105'C N-F (10*20)	
7		C18	0103-1221-1211	E/C VZ 220uF 16V 105'C F-T (6.3*11mm)	1
8		C207	0103-1100-1511	E/C VT 10uF 50V 105'C F-T (5*11mm)	1
9		C244	0103-6102-1212	E/C HF 1000uF 16V 105'C F (10*20)	1
10	SS		0103-6102-1210	E/C HF 1000uF 16V 105'C N-F (10*20)	
11		C25	0103-6221-1311	E/C HF 220uF 25V 105'C F-T (8*11.5mm)	1
12		C29	0103-1221-1211	E/C VZ 220uF 16V 105'C F-T (6.3*11mm)	1
13		C34	0103-1221-1211	E/C VZ 220uF 16V 105'C F-T (6.3*11mm)	1
14		C64	0103-1100-1511	E/C VT 10uF 50V 105'C F-T (5*11mm)	1
15		D1	0390-6006-6272	SCHOTTKY DIODE 5A 40V SB540 DIP T LF	1
16		D5	0390-6006-6272	SCHOTTKY DIODE 5A 40V SB540 DIP T LF	1
17		J2	0451-2500-0543	WAFER 2.50mm 5P 90' KINK (A2501WR2-5P) L-F	1
18		J4	0455-2542-4070	BOX HEADER 2*20P 2.54mm 180' 211S40-000A	1
19		L1	0370-0000-1011	FERRITE CORE RH 3.5X6X1.0(W)X2 L-F	1
20		L37	0360-1000-0151	COIL CHOKE 70uH 3A LF	1
21		L5	0360-1000-0151	COIL CHOKE 70uH 3A LF	1
22		P1	0300-6400-0030	OPTO CONN. Transmitter W/O Screw Hole L-F	1
23	SS		0300-6400-0031	OPTO CONN. Transmitter (134-0029-399A) L-F	
24		P2	0202-6000-0003	RJ11 6P6C Gray UNDER CONTACT L-F	1
25		U1	0430-6011-3210	IC MC7805CTG 3PIN TO-220 LF	1
26	SS		0430-6011-3242	IC REGULATOR AZ7805T-E1 TO-220 3PIN LF	
27		U6	0980-0102-7010	MODULE TUNER (FQD1236/F H-5) LF	1
28		Y1	0280-2500-0012	X'TAL 25MHZ 49/US 30PPM 20PF LF	1

364600120190S TUNER BD ASS'Y(GV46L) SMD

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
NO	M/S	LOC	PART NO	DESCRPTION	QTY
1			364600120190B	TUNER BD ASS'Y(GV46L) BOT	1
2			364600120190T	TUNER BD ASS'Y(GV46L) TOP	1

364600120150B MAIN BD ASS'Y(GV46L) BOT

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1		C10	0111-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	1
2	SS		0112-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	
3		C100	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
4	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
5		C101	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
6	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
7		C102	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		C103	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
10	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
11		C104	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
12	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
13		C105	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
14	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
15		C106	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
16	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
17		C107	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
18	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
19	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
20	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
21		C108	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
22	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
23	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
24	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
25		C109	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
26	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
27		C110	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
28	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
29		C111	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
30	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
31		C112	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
32	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
33		C113	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
34	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
35		C114	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
36	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
37		C115	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
38	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
39		C116	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
40	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
41		C117	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
42	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
43		C118	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
44	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
45		C119	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
46	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
47		C120	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
48	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
49		C121	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
50	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
51		C122	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
52	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
53	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
54	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
55		C128	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
56	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
57	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
58	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
59		C130	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
60	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
61	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
62	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
63		C131	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
64	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
65		C132	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
66	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
67		C141	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
68	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
69		C144	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
70	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
71		C145	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
72	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
73		C146	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
74	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
75		C156	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
76	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
77		C160	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
78	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
79		C161	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
80	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
81		C162	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
82	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
83	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
84	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
85		C163	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
86	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
87	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
88	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
89		C164	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
90	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
91		C165	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
92	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
93		C166	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
94	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
95		C167	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
96	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
97		C168	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
98	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
99		C169	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
100	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
101		C170	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
102	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
103		C171	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
104	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
105		C172	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
106	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
107		C173	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
108	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
109		C174	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
110	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
111		C175	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
112	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
113		C176	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
114	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
115		C177	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
116	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
117		C187	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
118	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
119		C189	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
120	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
121		C190	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
122	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
123		C191	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
124	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
125		C210	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
126	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
127		C262	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
128	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
129		C267	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
130	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
131		C277	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
132	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
133	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
134	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
135		C28	0111-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	1
136	SS		0112-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	
137		C308	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
138	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
139		C310	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
140	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
141		C314	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
142	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
143		C316	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
144	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
145		C318	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
146	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
147		C320	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
148	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
149		C326	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
150	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
151		C328	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
152	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
153		C331	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
154	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
155		C332	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
156	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
157		C334	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
158	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
159		C336	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
160	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
161		C375	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
162	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
163	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
164	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
165		C38	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
166	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
167		C39	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
168	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
169		C451	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
170	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
171		C452	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
172	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
173		C453	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
174	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
175		C454	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
176	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
177		C455	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
178	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
179		C471	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
180	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
181		C472	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
182	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
183		C479	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
184	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
185		C484	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
186	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
187		C485	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
188	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
189		C486	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
190	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
191		C487	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
192	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
193		C494	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
194	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
195		C498	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
196	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
197	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
198	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
199		C499	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
200	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
201		C500	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
202	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
203		C503	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
204	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
205		C506	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
206	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
207		C517	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
208	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
209		C518	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
210	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
211		C519	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
212	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
213		C520	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
214	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
215		C521	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
216	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
217		C537	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
218	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
219		C538	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
220	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
221		C545	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
222	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
223		C550	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
224	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
225		C551	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
226	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
227		C552	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
228	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
229		C553	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
230	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
231		C58	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
232	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
233		C59	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
234	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
235		C60	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
236	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
237		C61	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
238	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
239		C62	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
240	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
241		C71	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
242	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
243	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
244	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
245		C72	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
246	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
247	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
248	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
249		C73	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
250	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
251		C74	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
252	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
253		C75	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
254	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
255		C76	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
256	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
257		C77	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
258	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
259		C78	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
260	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
261		C79	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
262	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
263		C8	0111-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	1
264	SS		0112-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	
265		C80	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
266	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
267		C81	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
268	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
269		C82	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
270	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
271		C83	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
272	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
273		C84	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
274	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
275		C85	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
276	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
277		C86	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
278	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
279		C87	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
280	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
281		C88	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
282	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
283		C89	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
284	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
285		C90	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
286	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
287	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
288	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
289		C91	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
290	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
291	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
292	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
293		C92	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
294	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
295		C93	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
296	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
297		C94	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
298	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
299		C95	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
300	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
301		C96	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
302	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
303		C97	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
304	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
305		C98	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
306	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
307		C99	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
308	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
309		D12	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
310	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
311	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
312		D14	0390-6005-2103	SCHOTTKY DIODE 0.5A/40V MBR0540T SMD L-F	1
313		D34	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
314	SS		0390-3006-7353	DIODE FAST 0.3A 100V LL4148 LL-34 LF	
315	SS		0390-5004-2223	GEN. DIODE RLS4148NTE-11 SMD L-F	
316		D66	0390-6005-2103	SCHOTTKY DIODE 0.5A/40V MBR0540T SMD L-F	1
317		D67	0390-6005-2103	SCHOTTKY DIODE 0.5A/40V MBR0540T SMD L-F	1
318		FB16	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
319		FB2	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
320		FB23	0370-0000-9452	CHIP BEAD CORE 220ohm (MLB-201209-0220P-N2)	1
321		FB3	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
322		L10	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
323		L11	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
324		L14	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
325		L15	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
326		L16	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
327		L17	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
328		L19	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
329		L27	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
330		L29	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
331		L34	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
332		L35	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
333		L36	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
334		L37	0184-1751-0073	FUSE 0.75A 63V SMD 1206 (0466.750) L-F	1
335		L39	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
336		L46	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
337		Q1	0411-0000-5612	TR DIGITAL 100mA 50V DTC144TKA SMT3 LF	1
338		Q20	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
339		Q27	0411-0000-5612	TR DIGITAL 100mA 50V DTC144TKA SMT3 LF	1
340		Q3	0411-0000-5612	TR DIGITAL 100mA 50V DTC144TKA SMT3 LF	1
341		Q54	0411-0000-5612	TR DIGITAL 100mA 50V DTC144TKA SMT3 LF	1
342		RN16	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
343		RN17	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
344		RN19	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
345		RN2	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
346		RN20	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
347		RV14	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
348		RV15	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
349		RV16	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
350		RV17	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
351		RV18	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
352		RV19	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
353		RV2	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
354		RV20	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
355		RV21	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
356		RV3	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
357		RV37	0272-0052-2090	ESD PROTECTOR 22V SMD (CDS3C20GTA) LF	1
358		RV38	0272-0052-2090	ESD PROTECTOR 22V SMD (CDS3C20GTA) LF	1
359		RV4	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
360		RV5	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
361		RV6	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
362		RV7	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
363		RV8	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
364		RV9	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
365		R105	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
366		R106	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
367		R107	0131-2800-1614	RES. MF 280 ohm 1/16W F 0402	1
368		R108	0131-2800-1614	RES. MF 280 ohm 1/16W F 0402	1
369		R112	0130-2700-0055	RES. CF 270ohm 1/10W J 0603	1
370		R113	0130-1200-0055	RES. CF 120ohm 1/10W J 0603	1
371		R121	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
372		R126	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
373		R127	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
374		R139	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
375		R14	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
376		R140	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
377		R141	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
378		R142	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
379		R146	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
380		R150	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
381		R152	0130-4702-0055	RES. CF 47Kohm 1/10W J 0603	1
382		R200	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
383		R205	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
384		R239	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
385		R240	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
386		R241	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
387		R242	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
388		R273	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
389		R274	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
390		R275	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
391		R284	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
392		R285	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
393		R286	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
394		R291	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
395		R292	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
396		R293	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
397		R306	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
398		R307	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
399		R308	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
400		R313	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
401		R316	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
402		R317	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
403		R318	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
404		R319	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
405		R320	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
406		R426	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
407		R456	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
408		R477	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
409		R5	0130-4702-0055	RES. CF 47Kohm 1/10W J 0603	1
410		R511	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
411		R512	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
412		R514	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
413		R515	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
414		R516	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
415		R517	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
416		R518	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
417		R523	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
418		R527	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
419		R559	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
420		R560	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
421		R561	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
422		R571	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
423		R588	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
424		R589	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
425		R590	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
426		R592	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
427		R593	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
428		R594	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
429		R6	0130-0000-1859	RES. CF 0.0ohm 1/4W J 1206	1
430		R600	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
431		R613	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
432		R614	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
433		R615	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
434		R616	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
435		R626	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
436		R627	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
437		R629	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
438		R630	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
439		R631	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
440		R635	0131-1002-1614	RES. MF 10Kohm 1/16W F 0402	1
441		R637	0131-1002-1614	RES. MF 10Kohm 1/16W F 0402	1
442		R639	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
443		R641	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
444		R642	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
445		R645	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
446		R67	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
447		R68	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
448		R690	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
449		R7	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
450		R75	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
451		R78	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
452		R8	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
453		R88	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
454		R89	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
455		R90	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
456		R91	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
457		R92	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
458		R93	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
459		R94	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
460		U48	0430-7032-9615	IC TS5V330DBQR 16PIN QSOP LF	1
461		U49	0430-7032-9615	IC TS5V330DBQR 16PIN QSOP LF	1

364600120150T MAIN BD ASS'Y(GV46L) TOP

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0171-2272-2191	PCB MAIN BD FR4 321*160*1.6t 4M (GV46L)(1:1)	1
2		CN16	0304-1000-0113	CONN HDMI 19P 90' SMD With Flange (392M19-H58) L-F	1
3		CN17	0304-1000-0113	CONN HDMI 19P 90' SMD With Flange (392M19-H58) L-F	1
4		CN5	0451-1252-1001	WAFER 1.25mm 10PIN 90' SMD (53261-1071) L-F	1
5	SS		0451-1250-1093	WAFER 1.25mm 10P 90' SMD (A1251WR0-10PS) L-F	
6		C123	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
7	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
8		C124	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
9	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
10		C125	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
11	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
12		C126	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
13	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
14		C127	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
15	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
16		C129	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
17	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
18		C133	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
19	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
20		C134	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
21	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
22	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
23	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
24		C135	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
25	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
26		C136	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
27	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
28		C137	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
29	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
30		C138	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
31	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
32	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
33	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
34		C139	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
35	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
36		C140	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
37	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
38		C142	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
39	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
40		C143	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
41	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
42	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
43	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
44		C147	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
45	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
46		C148	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
47	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
48		C149	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
49	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
50		C150	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
51	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
52		C151	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
53	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
54		C152	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
55	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
56		C154	0111-3330-5107	C/M Multi. 33PF 50V NPO 0402	1
57		C155	0111-3330-5107	C/M Multi. 33PF 50V NPO 0402	1
58		C157	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
59	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
60		C158	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
61	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
62		C159	0111-3101-5107	C/M Multi. 100PF 50V NPO J 0402	1
63	SS		0112-3101-5107	C/M Multi. 100PF 50V NPO J 0402	
64		C178	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
65	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
66		C179	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
67	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
68		C18	0111-3104-5116	C/M MULTI 0.1uF 50V X7R 0603	1
69	SS		0112-3104-5116	C/M Multl. 0.1uF 50V X7R 0603	
70		C180	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
71	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
72		C181	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
73	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
74		C182	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
75	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
76		C183	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
77	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
78		C184	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
79	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
80		C185	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
81	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
82		C193	0111-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	1
83	SS		0112-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	
84		C198	0111-3472-5117	C/M Multi. 4700PF 50V X7R K 0402	1
85		C20	0111-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	1
86	SS		0112-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	
87		C202	0111-3472-5117	C/M Multi. 4700PF 50V X7R K 0402	1
88		C209	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
89	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
90		C211	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
91	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
92		C212	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
93	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
94		C214	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
95	SS		0112-3331-5107	C/M Multi. 330PF 50V NPO J 0402	
96		C216	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
97	SS		0112-3331-5107	C/M Multi. 330PF 50V NPO J 0402	
98		C217	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
99	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
100		C218	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
101		C219	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
102	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
103		C220	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
104		C224	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
105	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
106		C226	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
107	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
108		C227	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
109	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
110		C228	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
111	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
112	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
113	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
114		C229	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
115	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
116		C230	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
117	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
118		C231	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
119	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
120		C232	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
121	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
122		C233	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
123	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
124		C235	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
125	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
126		C236	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
127	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
128		C237	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
129	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
130		C238	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
131	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
132		C24	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
133	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
134		C240	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
135	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
136		C241	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
137	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
138		C243	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		C246	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
141	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
142		C247	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
143	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
144		C248	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
145	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
146	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
147	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
148		C249	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
149	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
150		C250	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
151	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
152		C251	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
153	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
154		C252	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
155	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
156		C254	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
157	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
158		C255	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
159	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
160		C257	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
161	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
162		C258	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
163	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
164		C259	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
165	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
166		C260	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
167	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
168		C261	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
169	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
170		C264	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
171	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
172		C265	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
173	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
174		C266	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
175	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
176		C269	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
177	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
178		C271	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
179	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
180		C274	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
181	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
182		C275	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
183	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
184		C278	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
185	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
186		C279	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
187	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
188		C280	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
189	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
190		C281	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
191	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
192		C284	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
193	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
194		C285	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
195	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
196		C286	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
197	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
198		C287	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
199	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
200		C288	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
201	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
202		C290	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
203	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
204		C291	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
205	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
206		C296	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
207	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
208		C300	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
209	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
210		C307	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
211	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
212		C312	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
213	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
214		C317	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
215	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
216		C32	0111-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	1
217	SS		0112-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	
218		C323	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
219	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
220		C329	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
221	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
222		C33	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
223	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
224	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
225	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
226		C330	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
227	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
228		C337	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
229	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
230		C338	0111-3475-2514	C/M Multi. 4.7uF 25V X7R 1206	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
231	SS		0112-3475-1614	C/M MULTI 4.7uF 16V X7R 1206	
232	SS		0112-3475-2514	C/M MULTI 4.7UF 25V X7R 1206	
233		C339	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
234	SS		0111-3225-1615	C/M MULTI 2.2uF 16V X7R K 0805 L-F	
235		C34	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
236	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
237	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
238	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
239		C341	0111-3105-1116	C/M MULTI 1.0uF 10V X7R 0603	1
240		C342	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
241	SS		0111-3225-1615	C/M MULTI 2.2uF 16V X7R K 0805 L-F	
242		C343	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
243	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
244		C344	0111-3105-1116	C/M MULTI 1.0uF 10V X7R 0603	1
245		C345	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
246	SS		0112-3331-5107	C/M Multi. 330PF 50V NPO J 0402	
247		C346	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
248	SS		0112-3331-5107	C/M Multi. 330PF 50V NPO J 0402	
249		C347	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
250	SS		0111-3225-1615	C/M MULTI 2.2uF 16V X7R K 0805 L-F	
251		C348	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
252	SS		0111-3225-1615	C/M MULTI 2.2uF 16V X7R K 0805 L-F	
253		C349	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
254	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
255		C35	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
256	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
257		C350	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
258	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
259		C351	0111-3105-1116	C/M MULTI 1.0uF 10V X7R 0603	1
260		C352	0111-3105-1116	C/M MULTI 1.0uF 10V X7R 0603	1
261		C353	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
262		C354	0111-3105-1116	C/M MULTI 1.0uF 10V X7R 0603	1
263		C356	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
264	SS		0111-3225-1615	C/M MULTI 2.2uF 16V X7R K 0805 L-F	
265		C357	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
266	SS		0112-3331-5107	C/M Multi. 330PF 50V NPO J 0402	
267		C358	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
268	SS		0112-3331-5107	C/M Multi. 330PF 50V NPO J 0402	
269		C359	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
270	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
271		C36	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
272	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
273		C361	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
274	SS		0111-3225-1615	C/M MULTI 2.2uF 16V X7R K 0805 L-F	
275		C362	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
276	SS		0111-3225-1615	C/M MULTI 2.2uF 16V X7R K 0805 L-F	
277		C363	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
278	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
279		C364	0111-3475-2514	C/M Multi. 4.7uF 25V X7R 1206	1
280	SS		0112-3475-1614	C/M MULTI 4.7uF 16V X7R 1206	
281	SS		0112-3475-2514	C/M MULTI 4.7UF 25V X7R 1206	
282		C365	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
283	SS		0111-3225-1615	C/M MULTI 2.2uF 16V X7R K 0805 L-F	
284		C367	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
285	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
286		C37	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
287	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
288		C370	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
289	SS		0111-3225-1615	C/M MULTI 2.2uF 16V X7R K 0805 L-F	
290		C371	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
291	SS		0112-3331-5107	C/M Multi. 330PF 50V NPO J 0402	
292		C372	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
293	SS		0112-3331-5107	C/M Multi. 330PF 50V NPO J 0402	
294		C373	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
295	SS		0111-3225-1615	C/M MULTI 2.2uF 16V X7R K 0805 L-F	
296		C374	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
297	SS		0111-3225-1615	C/M MULTI 2.2uF 16V X7R K 0805 L-F	
298		C377	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
299	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
300		C378	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
301	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
302		C381	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
303	SS		0112-3331-5107	C/M Multi. 330PF 50V NPO J 0402	
304		C382	0111-3331-5107	C/M Multi. 330PF 50V NPO 0402	1
305	SS		0112-3331-5107	C/M Multi. 330PF 50V NPO J 0402	
306		C383	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
307	SS		0111-3225-1615	C/M MULTI 2.2uF 16V X7R K 0805 L-F	
308		C384	0112-3225-1615	C/M Multi. 2.2uF 16V X7R K 0805	1
309	SS		0111-3225-1615	C/M MULTI 2.2uF 16V X7R K 0805 L-F	
310		C385	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
311	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
312		C389	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
313		C390	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
314		C391	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
315		C393	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
316	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
317		C395	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
318		C396	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
319		C397	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
320		C398	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
321		C399	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
322		C40	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
323	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
324		C400	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
325	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
326	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
327	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
328		C401	0111-3101-5107	C/M Multi. 100PF 50V NPO J 0402	1
329	SS		0112-3101-5107	C/M Multi. 100PF 50V NPO J 0402	
330		C403	0111-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	1
331	SS		0112-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	
332		C404	0111-3101-5107	C/M Multi. 100PF 50V NPO J 0402	1
333	SS		0112-3101-5107	C/M Multi. 100PF 50V NPO J 0402	
334		C408	0111-3152-5117	C/M Multi. 1500PF 50V X7R 0402	1
335		C409	0112-3471-5107	C/M Multi. 470pF 50V NPO J 0402	1
336	SS		0111-3471-5107	C/M Multi. 470pF 50V NPO J 0402	
337		C41	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
338	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
339		C413	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		C414	0111-3152-5117	C/M Multi. 1500PF 50V X7R 0402	1
342		C416	0111-3101-5107	C/M Multi. 100PF 50V NPO J 0402	1
343	SS		0112-3101-5107	C/M Multi. 100PF 50V NPO J 0402	
344		C417	0111-3560-5107	C/M Multi. 56PF 50V NPO J 0402	1
345		C418	0111-3560-5107	C/M Multi. 56PF 50V NPO J 0402	1
346		C42	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
347	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
348		C420	0111-3560-5107	C/M Multi. 56PF 50V NPO J 0402	1
349		C421	0111-3209-5107	C/M Multi. 2PF 50V NPO J 0402	1
350		C422	0111-3209-5107	C/M Multi. 2PF 50V NPO J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
351		C423	0111-3102-2517	C/M Multi. 1000PF 25V X7R K 0402	1
352		C424	0111-3102-2517	C/M Multi. 1000PF 25V X7R K 0402	1
353		C425	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
354		C426	0111-3332-5117	C/M Multi. 3300PF 50V X7R K 0402	1
355		C427	0111-3473-5137	C/M Multi. 0.047UF 50V Y5V Z 0402	1
356		C429	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
357	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
358		C43	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
359	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
360		C431	0111-3152-5117	C/M Multi. 1500PF 50V X7R 0402	1
361		C432	0112-3471-5107	C/M Multi. 470pF 50V NPO J 0402	1
362	SS		0111-3471-5107	C/M Multi. 470pF 50V NPO J 0402	
363		C434	0111-3221-5107	C/M MULTI 220PF 50V NPO 0402	1
364	SS		0112-3221-5107	C/M MULTI 220pF 50V NPO 0402	
365		C437	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
366	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
367		C439	0111-3220-5107	C/M Multi. 22PF 50V NPO J 0402	1
368	SS		0112-3220-5107	C/M Multi. 22PF 50V NPO J 0402	
369		C44	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
370	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
371		C440	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
372	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
373	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
374	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
375		C442	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
376	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
377		C446	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
378	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
379	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
380	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
381		C448	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
382	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
383		C449	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
384	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
385		C45	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
386	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
387		C450	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
388	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
389		C456	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
390	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
391		C457	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
392	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
393		C458	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
394	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
395		C459	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
396	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
397		C46	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
398	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
399		C460	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
400	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
401	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
402	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
403		C461	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
404	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
405	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
406	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
407		C462	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
408	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
409		C463	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
410	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
411		C464	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
412	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
413		C465	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
414	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
415		C466	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
416	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
417		C467	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
418	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
419		C468	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
420	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
421	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
422	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
423		C469	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
424	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
425		C47	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
426	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
427		C470	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
428	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
429		C473	0111-3105-5114	C/M Multi. 1uF 50V X7R K 1206	1
430	SS		0112-3105-5114	C/M Multi. 1UF 50V X7R 1206	
431		C474	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
432	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
433		C475	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
434	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
435		C476	0111-3105-5114	C/M Multi. 1uF 50V X7R K 1206	1
436	SS		0112-3105-5114	C/M Multi. 1UF 50V X7R 1206	
437		C477	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
438	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
439		C478	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
440	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
441		C48	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
442	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
443		C480	0111-3180-5107	C/M Multi. 18PF 50V NPO 0402	1
444	SS		0112-3180-5107	C/M Multi. 18PF 50V NPO 0402	
445		C481	0111-3180-5107	C/M Multi. 18PF 50V NPO 0402	1
446	SS		0112-3180-5107	C/M Multi. 18PF 50V NPO 0402	
447		C482	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
448	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
449		C483	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
450	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
451		C488	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
452	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
453		C489	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
454	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
455		C49	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
456	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
457		C490	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
458	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
459		C491	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
460	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
461		C492	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
462	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
463	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
464	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
465		C493	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
466	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
467		C495	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
468	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
469	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
470	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
471		C497	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
472	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
473		C5	0111-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	1
474	SS		0112-3104-2516	C/M Multi. 0.1uF 25V X7R 0603	
475		C50	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
476	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
477	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
478	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
479		C504	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
480	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
481		C51	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
482	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
483		C510	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
484	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
485		C513	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
486	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
487		C514	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
488	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
489		C515	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
490	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
491		C516	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
492	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
493		C52	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
494	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
495		C522	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
496	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
497		C523	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
498	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
499		C524	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
500	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
501		C525	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
502	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
503		C526	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
504	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
505	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
506	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
507		C527	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
508	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
509	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
510	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
511		C528	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
512	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
513		C529	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
514	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
515		C53	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
516	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
517		C530	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
518	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
519		C531	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
520	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
521		C532	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
522	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
523		C533	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
524	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
525		C534	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
526	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
527	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
528	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
529		C535	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
530	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
531		C536	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
532	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
533		C539	0111-3105-5114	C/M Multi. 1uF 50V X7R K 1206	1
534	SS		0112-3105-5114	C/M Multi. 1UF 50V X7R 1206	
535		C54	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
536	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
537		C540	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
538	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
539		C541	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
540	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
541		C542	0111-3105-5114	C/M Multi. 1uF 50V X7R K 1206	1
542	SS		0112-3105-5114	C/M Multi. 1UF 50V X7R 1206	
543		C543	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
544	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
545		C544	0111-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	1
546	SS		0112-3103-1617	C/M Multi. 0.01uF 16V X7R K 0402	
547		C546	0111-3180-5107	C/M Multi. 18PF 50V NPO 0402	1
548	SS		0112-3180-5107	C/M Multi. 18PF 50V NPO 0402	
549		C547	0111-3180-5107	C/M Multi. 18PF 50V NPO 0402	1
550	SS		0112-3180-5107	C/M Multi. 18PF 50V NPO 0402	
551		C548	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
552	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
553		C549	0111-3102-5117	C/M MULTI 1000PF 50V X7R 0402	1
554	SS		0112-3102-5117	C/M Multi. 1000PF 50V X7R 0402	
555		C55	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
556	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
557		C554	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
558	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
559		C555	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
560	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
561		C556	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
562	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
563		C557	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
564	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
565		C558	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
566	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
567	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
568	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
569		C559	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
570	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
571		C56	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
572	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
573		C560	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
574	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
575	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
576	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
577		C562	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
578	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
579		C563	0111-3106-1614	C/M Multi. 10uF 16V X7R K 1206	1
580	SS		0111-3106-1114	C/M MULTI 10uF 10V X7R K 1206	
581	SS		0112-3106-1614	C/M MULTI 10uF 16V X7R 1206	
582	SS		0115-7106-1614	C/M MULTI 10uF 16V X7R 1206	
583		C564	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
584	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
585		C569	0111-3101-5107	C/M Multi. 100PF 50V NPO J 0402	1
586	SS		0112-3101-5107	C/M Multi. 100PF 50V NPO J 0402	
587		C57	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
588	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
589		C576	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
590	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
591		C579	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
592	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
593		C583	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
594	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
595		C589	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
596	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
597		C590	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
598		C591	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
599		C592	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
600		C593	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
601		C594	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
602		C595	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
603		C596	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
604		C597	0111-3334-1115	C/M MULTI 0.33UF 10V X7R 0805	1
605		C598	0111-3475-2514	C/M Multi. 4.7uF 25V X7R 1206	1
606	SS		0112-3475-1614	C/M MULTI 4.7uF 16V X7R 1206	
607	SS		0112-3475-2514	C/M MULTI 4.7UF 25V X7R 1206	
608		C599	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
609	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
610		C600	0111-3475-2514	C/M Multi. 4.7uF 25V X7R 1206	1
611	SS		0112-3475-1614	C/M MULTI 4.7uF 16V X7R 1206	
612	SS		0112-3475-2514	C/M MULTI 4.7UF 25V X7R 1206	
613		C601	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
614	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
615		C63	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
616	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
617		C64	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
618	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
619		C65	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
620	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
621		C66	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
622	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
623		C67	0111-3330-5107	C/M Multi. 33PF 50V NPO 0402	1
624		C68	0111-3330-5107	C/M Multi. 33PF 50V NPO 0402	1
625		C69	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
626	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
627		C70	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
628	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
629		D11	0390-6005-2103	SCHOTTKY DIODE 0.5A/40V MBR0540T SMD L-F	1
630		D16	0390-6005-2103	SCHOTTKY DIODE 0.5A/40V MBR0540T SMD L-F	1
631		D17	0390-5003-4293	DUAL SURFACE DIODE BAV70-7-F SMD (SOT-23) L-F	1
632	SS		0390-5003-4273	DUAL SURFACE DIODE BAV70 SMD (SOT-23) L-F	
633		D18	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
634		D19	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
635		D20	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
636		D21	0390-5003-5273	DUAL SURFACE DIODE BAV99 SMD (SOT-23) L-F	1
637	SS		0390-5003-5293	DUAL SURFACE DIODES BAV99-7-F SOT-23 L-F	
638		D22	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
639		D23	0390-5003-5273	DUAL SURFACE DIODE BAV99 SMD (SOT-23) L-F	1
640	SS		0390-5003-5293	DUAL SURFACE DIODES BAV99-7-F SOT-23 L-F	
641		D24	0390-5003-5273	DUAL SURFACE DIODE BAV99 SMD (SOT-23) L-F	1
642	SS		0390-5003-5293	DUAL SURFACE DIODES BAV99-7-F SOT-23 L-F	
643		D25	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
644		D26	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
645		D27	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
646		D28	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
647		D29	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
648		D30	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
649		D33	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
650		D37	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
651		D39	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
652		D41	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
653		D42	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
654		D43	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
655		D44	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
656		D49	0400-0881-5012	ZENER 8.85~9.23V UDZSTE-179.1B 1/5W SOD-323	1
657		D64	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
658		D65	0390-6005-2103	SCHOTTKY DIODE 0.5A/40V MBR0540T SMD L-F	1
659		D68	0390-6005-2103	SCHOTTKY DIODE 0.5A/40V MBR0540T SMD L-F	1
660		D69	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
661		D70	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
662		D71	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
663		D72	0390-5004-2343	GEN. DIODE LL4148WP SMD 1206 L-F	1
664		D73	0390-6005-2103	SCHOTTKY DIODE 0.5A/40V MBR0540T SMD L-F	1
665		FB1	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
666		FB10	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
667		FB11	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
668		FB14	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
669		FB15	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		FB20	0370-0000-9452	CHIP BEAD CORE 220ohm (MLB-201209-0220P-N2)	1
674		FB21	0370-0000-9452	CHIP BEAD CORE 220ohm (MLB-201209-0220P-N2)	1
675		FB22	0370-0000-9452	CHIP BEAD CORE 220ohm (MLB-201209-0220P-N2)	1
676		FB24	0370-0000-9452	CHIP BEAD CORE 220ohm (MLB-201209-0220P-N2)	1
677		FB25	0370-0000-9452	CHIP BEAD CORE 220ohm (MLB-201209-0220P-N2)	1
678		FB26	0370-0000-9452	CHIP BEAD CORE 220ohm (MLB-201209-0220P-N2)	1
679		FB27	0370-0000-9452	CHIP BEAD CORE 220ohm (MLB-201209-0220P-N2)	1
680		FB28	0370-0000-9452	CHIP BEAD CORE 220ohm (MLB-201209-0220P-N2)	1
681		FB29	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
682		FB30	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
683		FB4	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
684		FB5	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
685		FB6	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
686		FB7	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
687		FB8	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
688		FB9	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
689		F2	0185-1502-0073	FUSE 125V/5A SMD (R45105) L-F	1
690		F3	0185-1152-0073	FUSE 125V/1.5A SMD (R45101.5) L-F	1
691		L13	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
692		L18	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
693		L20	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
694		L21	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
695		L22	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
696		L23	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
697		L24	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
698		L25	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
699		L26	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
700		L28	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
701		L30	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
702		L31	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
703		L32	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
704		L33	0370-2022-9120	CHIP COIL 2.2uH 1206 LF	1
705		L38	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
706		L40	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
707		L41	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
708		L42	0370-0000-4651	CHIP BEAD CORE 80ohm (MLB-321611-0080P-N1)	1
709		L45	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
710		L47	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
711		Q10	0410-5000-5710	TRANSISTOR MMBT3906LT1G SOT-23 L-F	1
712	SS		0410-5000-5711	TRANSISTOR PMBS3906 SMD LF	
713	SS		0410-5000-5719	TRANSISTOR KN3906S SOT-23 LF	
714		Q11	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
715	SS		0420-1004-9621	MOSFET N-CH 2N7002E-T1-E3 SMD (SOT-23) L-F	
716		Q12	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
717	SS		0420-1004-9621	MOSFET N-CH 2N7002E-T1-E3 SMD (SOT-23) L-F	
718		Q13	0411-0000-5612	TR DIGITAL 100mA 50V DTC144TKA SMT3 LF	1
719		Q14	0411-0000-5612	TR DIGITAL 100mA 50V DTC144TKA SMT3 LF	1
720		Q18	0410-5000-5710	TRANSISTOR MMBT3906LT1G SOT-23 L-F	1
721	SS		0410-5000-5711	TRANSISTOR PMBS3906 SMD LF	
722	SS		0410-5000-5719	TRANSISTOR KN3906S SOT-23 LF	
723		Q2	0411-0000-5612	TR DIGITAL 100mA 50V DTC144TKA SMT3 LF	1
724		Q23	0410-5000-5710	TRANSISTOR MMBT3906LT1G SOT-23 L-F	1
725	SS		0410-5000-5711	TRANSISTOR PMBS3906 SMD LF	
726	SS		0410-5000-5719	TRANSISTOR KN3906S SOT-23 LF	
727		Q24	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
728	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
729	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
730		Q25	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
731	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
732	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
733		Q26	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
734	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
735	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
736		Q28	0411-3000-9622	TR NPN 0.1A 50V BC847B SOT-23 LF	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
737		Q29	0411-3000-9622	TR NPN 0.1A 50V BC847B SOT-23 LF	1
738		Q30	0411-3000-9622	TR NPN 0.1A 50V BC847B SOT-23 LF	1
739		Q31	0411-3000-9622	TR NPN 0.1A 50V BC847B SOT-23 LF	1
740		Q32	0411-3000-9622	TR NPN 0.1A 50V BC847B SOT-23 LF	1
741		Q33	0411-3000-9622	TR NPN 0.1A 50V BC847B SOT-23 LF	1
742		Q34	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
743	SS		0420-1004-9621	MOSFET N-CH 2N7002E-T1-E3 SMD (SOT-23) L-F	
744		Q35	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
745	SS		0420-1004-9621	MOSFET N-CH 2N7002E-T1-E3 SMD (SOT-23) L-F	
746		Q36	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
747	SS		0420-1004-9621	MOSFET N-CH 2N7002E-T1-E3 SMD (SOT-23) L-F	
748		Q37	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
749	SS		0420-1004-9621	MOSFET N-CH 2N7002E-T1-E3 SMD (SOT-23) L-F	
750		Q4	0411-0000-5612	TR DIGITAL 100mA 50V DTC144TKA SMT3 LF	1
751		Q40	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
752	SS		0420-1004-9621	MOSFET N-CH 2N7002E-T1-E3 SMD (SOT-23) L-F	
753		Q41	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
754	SS		0420-1004-9621	MOSFET N-CH 2N7002E-T1-E3 SMD (SOT-23) L-F	
755		Q42	0420-1006-4609	MOSFET N-CH 0.1A 50V UPA672T SC-70 LF	1
756	SS		0420-1006-9621	MOSFET N-CH 20V 0.66A Si1902DL SOT-363 LF	
757		Q43	0420-1006-4609	MOSFET N-CH 0.1A 50V UPA672T SC-70 LF	1
758	SS		0420-1006-9621	MOSFET N-CH 20V 0.66A Si1902DL SOT-363 LF	
759		Q44	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
760	SS		0420-1004-9621	MOSFET N-CH 2N7002E-T1-E3 SMD (SOT-23) L-F	
761		Q45	0420-1006-4609	MOSFET N-CH 0.1A 50V UPA672T SC-70 LF	1
762	SS		0420-1006-9621	MOSFET N-CH 20V 0.66A Si1902DL SOT-363 LF	
763		Q46	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
764	SS		0420-1004-9621	MOSFET N-CH 2N7002E-T1-E3 SMD (SOT-23) L-F	
765		Q47	0420-1006-4609	MOSFET N-CH 0.1A 50V UPA672T SC-70 LF	1
766	SS		0420-1006-9621	MOSFET N-CH 20V 0.66A Si1902DL SOT-363 LF	
767		Q48	0411-3000-9622	TR NPN 0.1A 50V BC847B SOT-23 LF	1
768		Q49	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
769	SS		0420-1004-9621	MOSFET N-CH 2N7002E-T1-E3 SMD (SOT-23) L-F	
770		Q5	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
771	SS		0420-1004-9621	MOSFET N-CH 2N7002E-T1-E3 SMD (SOT-23) L-F	
772		Q50	0411-3000-9622	TR NPN 0.1A 50V BC847B SOT-23 LF	1
773		Q51	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
774	SS		0420-1004-9621	MOSFET N-CH 2N7002E-T1-E3 SMD (SOT-23) L-F	
775		Q53	0410-5000-5610	TRANSISTOR MMBT3904LT1G SOT-23 L-F	1
776	SS		0410-5000-5611	TRANSISTOR PMBS3904 SMD T LF	
777	SS		0410-5000-5622	TRANSISTOR MMBT3904 NL SOT-23 L-F	
778		Q6	0420-1004-9611	MOSFET N-CH 2N7002 SMD (SOT-23) LF	1
779	SS		0420-1004-9621	MOSFET N-CH 2N7002E-T1-E3 SMD (SOT-23) L-F	
780		Q7	0411-0000-5612	TR DIGITAL 100mA 50V DTC144TKA SMT3 LF	1
781		Q8	0411-0000-5612	TR DIGITAL 100mA 50V DTC144TKA SMT3 LF	1
782		Q9	0411-0000-5612	TR DIGITAL 100mA 50V DTC144TKA SMT3 LF	1
783		RN1	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
784		RN10	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
785		RN12	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
786		RN14	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
787		RN15	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
788		RN3	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
789		RN4	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
790		RN7	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
791		RP1	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
792		RP10	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
793		RP11	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
794		RP12	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
795		RP13	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
796		RP14	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
797		RP15	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
798		RP16	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
799		RP17	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
800		RP18	0141-1002-3853	ARRAY RES. A(X) 10 Kohm 4R8P J 0402	1
801		RP2	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
802		RP21	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
803		RP22	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
804		RP23	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
805		RP24	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
806		RP25	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
807		RP26	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
808		RP27	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
809		RP28	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
810		RP3	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
811		RP4	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
812		RP5	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
813		RP6	0141-3309-3853	ARRAY RES. A(X) 33ohm 4R J 8P 0402	1
814		RP7	0141-1002-3853	ARRAY RES. A(X) 10 Kohm 4R8P J 0402	1
815		RP8	0141-1002-3853	ARRAY RES. A(X) 10 Kohm 4R8P J 0402	1
816		RP9	0141-1002-3853	ARRAY RES. A(X) 10 Kohm 4R8P J 0402	1
817		RV1	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
818	SS		0162-0800-0170	VARISTOR 80V 1pF 0603 (EZJZ1V80010) L-F	
819		RV10	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
820	SS		0162-0800-0170	VARISTOR 80V 1pF 0603 (EZJZ1V80010) L-F	
821		RV11	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
822	SS		0162-0800-0170	VARISTOR 80V 1pF 0603 (EZJZ1V80010) L-F	
823		RV12	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
824	SS		0162-0800-0170	VARISTOR 80V 1pF 0603 (EZJZ1V80010) L-F	
825		RV13	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
826	SS		0162-0800-0170	VARISTOR 80V 1pF 0603 (EZJZ1V80010) L-F	
827		RV22	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
828	SS		0162-0800-0170	VARISTOR 80V 1pF 0603 (EZJZ1V80010) L-F	
829		RV23	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
830	SS		0162-0800-0170	VARISTOR 80V 1pF 0603 (EZJZ1V80010) L-F	
831		RV24	0272-0012-0970	ESD PROTECTOR 24V SMD 0603 (PGB1010603NR) LF	1
832	SS		0162-0800-0170	VARISTOR 80V 1pF 0603 (EZJZ1V80010) L-F	
833		RV25	0272-0052-2090	ESD PROTECTOR 22V SMD (CDS3C20GTA) LF	1
834		RV26	0272-0052-2090	ESD PROTECTOR 22V SMD (CDS3C20GTA) LF	1
835		RV27	0272-0052-2090	ESD PROTECTOR 22V SMD (CDS3C20GTA) LF	1
836		RV28	0272-0052-2090	ESD PROTECTOR 22V SMD (CDS3C20GTA) LF	1
837		RV29	0272-0052-2090	ESD PROTECTOR 22V SMD (CDS3C20GTA) LF	1
838		RV30	0272-0052-2090	ESD PROTECTOR 22V SMD (CDS3C20GTA) LF	1
839		RV31	0272-0052-2090	ESD PROTECTOR 22V SMD (CDS3C20GTA) LF	1
840		RV32	0272-0052-2090	ESD PROTECTOR 22V SMD (CDS3C20GTA) LF	1
841		RV33	0272-0052-2090	ESD PROTECTOR 22V SMD (CDS3C20GTA) LF	1
842		RV34	0272-0052-2090	ESD PROTECTOR 22V SMD (CDS3C20GTA) LF	1
843		RV35	0272-0052-2090	ESD PROTECTOR 22V SMD (CDS3C20GTA) LF	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
844		RV36	0272-0052-2090	ESD PROTECTOR 22V SMD (CDS3C20GTA) LF	1
845		RV39	0272-0052-2090	ESD PROTECTOR 22V SMD (CDS3C20GTA) LF	1
846		RV40	0272-0052-2090	ESD PROTECTOR 22V SMD (CDS3C20GTA) LF	1
847		RV41	0272-0052-2090	ESD PROTECTOR 22V SMD (CDS3C20GTA) LF	1
848		RV42	0272-0052-2090	ESD PROTECTOR 22V SMD (CDS3C20GTA) LF	1
849		RV43	0272-0052-2090	ESD PROTECTOR 22V SMD (CDS3C20GTA) LF	1
850		RV44	0272-0052-2090	ESD PROTECTOR 22V SMD (CDS3C20GTA) LF	1
851		R1	0130-0000-1859	RES. CF 0.0ohm 1/4W J 1206	1
852		R10	0130-4702-0055	RES. CF 47Kohm 1/10W J 0603	1
853		R100	0131-5769-1614	RES. MF 57.6 ohm 1/16W F 0402	1
854		R101	0131-5769-1614	RES. MF 57.6 ohm 1/16W F 0402	1
855		R102	0131-5769-1614	RES. MF 57.6 ohm 1/16W F 0402	1
856		R103	0131-5769-1614	RES. MF 57.6 ohm 1/16W F 0402	1
857		R104	0131-5769-1614	RES. MF 57.6 ohm 1/16W F 0402	1
858		R109	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
859		R11	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
860		R111	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	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		R12	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
864		R123	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
865		R124	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
866		R125	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
867		R129	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
868		R13	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
869		R131	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
870		R132	0130-2701-1654	RES. CF 2.7Kohm 1/16W J 0402	1
871		R134	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
872		R136	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
873		R137	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
874		R138	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
875		R143	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
876		R144	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
877		R145	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
878		R147	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
879		R148	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
880		R149	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
881		R15	0130-4702-0055	RES. CF 47Kohm 1/10W J 0603	1
882		R151	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
883		R153	0130-4700-1654	RES. CF 470ohm 1/16W J 0402	1
884		R154	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
885		R155	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
886		R156	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
887		R157	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
888		R158	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
889		R159	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
890		R160	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
891		R161	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
892		R162	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
893		R163	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
894		R164	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
895		R165	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
896		R166	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
897		R167	0130-2201-1654	RES. CF 2.2Kohm 1/16W J 0402	1
898		R168	0130-2201-1654	RES. CF 2.2Kohm 1/16W J 0402	1
899		R169	0130-1009-1654	RES. CF 10ohm 1/16W J 0402	1
900		R17	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
901		R170	0130-2201-1654	RES. CF 2.2Kohm 1/16W J 0402	1
902		R171	0130-1009-1654	RES. CF 10ohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
903		R172	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
904		R173	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
905		R174	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
906		R175	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
907		R176	0130-1009-1654	RES. CF 10ohm 1/16W J 0402	1
908		R177	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
909		R178	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
910		R179	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
911		R18	0130-2202-0055	RES. CF 22Kohm 1/10W J 0603	1
912		R180	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
913		R181	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
914		R182	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
915		R183	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
916		R184	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
917		R185	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
918		R186	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
919		R187	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
920		R188	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
921		R189	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
922		R19	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
923		R190	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
924		R191	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
925		R192	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
926		R193	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
927		R194	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
928		R195	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
929		R196	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
930		R197	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
931		R198	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
932		R199	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
933		R20	0130-2001-0055	RES. CF 2Kohm 1/10W J 0603	1
934		R201	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
935		R202	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
936		R203	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
937		R204	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
938		R206	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
939		R207	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
940		R208	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
941		R209	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
942		R21	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
943		R210	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
944		R211	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
945		R212	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
946		R213	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
947		R214	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
948		R215	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
949		R216	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
950		R217	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
951		R218	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
952		R219	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
953		R22	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
954		R220	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
955		R222	0130-1501-1654	RES. CF 1.5Kohm 1/16W J 0402	1
956		R23	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
957		R231	0130-0000-1859	RES. CF 0.0ohm 1/4W J 1206	1
958		R233	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
959		R234	0130-1001-1459	RES. CF 1.0Kohm 1/4W J 1206	1
960		R235	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
961		R237	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
962		R238	0130-2702-1654	RES. CF 27Kohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
963		R24	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
964		R243	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
965		R244	0130-1001-1459	RES. CF 1.0Kohm 1/4W J 1206	1
966		R245	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
967		R246	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
968		R247	0130-2702-1654	RES. CF 27Kohm 1/16W J 0402	1
969		R248	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
970		R249	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
971		R25	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
972		R250	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
973		R251	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
974		R252	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
975		R253	0131-3323-1614	RES. MF 332Kohm 1/16W F 0402	1
976		R254	0131-1213-1614	RES. MF 121Kohm 1/16W F 0402	1
977		R255	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
978		R256	0130-1504-1654	RES. CF 1.5 Mohm 1/16W J 0402	1
979		R257	0130-1501-1654	RES. CF 1.5Kohm 1/16W J 0402	1
980		R258	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
981		R259	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
982		R26	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
983		R260	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
984		R261	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
985		R262	0130-1200-1654	RES. CF 120ohm 1/16W J 0402	1
986		R263	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
987		R264	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
988		R265	0131-4323-1614	RES. MF 432Kohm 1/6W F 0402	1
989		R266	0131-1213-1614	RES. MF 121Kohm 1/16W F 0402	1
990		R267	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
991		R268	0130-1004-1654	RES. CF 1Mohm 1/16W J 0402	1
992		R269	0130-0000-1859	RES. CF 0.0ohm 1/4W J 1206	1
993		R27	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
994		R270	0130-0000-1859	RES. CF 0.0ohm 1/4W J 1206	1
995		R271	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
996		R272	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
997		R276	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
998		R277	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
999		R278	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1000		R279	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
1001		R28	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1002		R280	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1003		R281	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
1004		R282	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1005		R283	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
1006		R287	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
1007		R288	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1008		R289	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1009		R29	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1010		R290	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
1011		R294	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
1012		R295	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1013		R296	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1014		R297	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1015		R298	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
1016		R299	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
1017		R3	0130-4702-0055	RES. CF 47Kohm 1/10W J 0603	1
1018		R300	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1019		R301	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1020		R302	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
1021		R303	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
1022		R304	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1023		R305	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
1024		R309	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
1025		R310	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1026		R311	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1027		R312	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
1028		R314	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1029		R315	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
1030		R321	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
1031		R322	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1032		R323	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
1033		R324	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1034		R325	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1035		R326	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1036		R327	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1037		R328	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1038		R329	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1039		R330	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1040		R331	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1041		R332	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1042		R333	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1043		R334	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1044		R335	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1045		R336	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1046		R337	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1047		R338	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1048		R339	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1049		R340	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1050		R341	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1051		R342	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1052		R343	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1053		R344	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1054		R345	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1055		R346	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1056		R347	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1057		R348	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1058		R349	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1059		R350	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1060		R351	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1061		R352	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1062		R353	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1063		R354	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1064		R355	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1065		R356	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1066		R357	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1067		R358	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1068		R359	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1069		R36	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1070		R360	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1071		R361	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1072		R362	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1073		R363	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1074		R364	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1075		R365	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1076		R366	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1077		R367	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1078		R368	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1079		R369	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1080		R37	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1081		R370	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1082		R371	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1083		R372	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1084		R373	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1085		R374	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1086		R375	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1087		R376	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1088		R377	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1089		R378	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1090		R379	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1091		R38	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1092		R380	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1093		R381	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1094		R382	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1095		R383	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1096		R384	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1097		R385	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1098		R386	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1099		R387	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
1100		R388	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
1101		R389	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1102		R39	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1103		R390	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1104		R391	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
1105		R392	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1106		R393	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1107		R394	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1108		R395	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
1109		R396	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1110		R397	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
1111		R398	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
1112		R399	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1113		R4	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
1114		R40	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1115		R400	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
1116		R401	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
1117		R402	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1118		R403	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1119		R404	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
1120		R405	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
1121		R406	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1122		R407	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1123		R408	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
1124		R409	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
1125		R41	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1126		R410	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
1127		R411	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
1128		R412	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
1129		R413	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
1130		R414	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
1131		R415	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
1132		R416	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
1133		R417	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
1134		R418	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1135		R419	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1136		R42	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1137		R420	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1138		R421	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1139		R423	0130-6800-1654	RES. CF 680 ohm 1/16W J 0402	1
1140		R424	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1141		R425	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1142		R427	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1143		R428	0130-1004-1654	RES. CF 1Mohm 1/16W J 0402	1
1144		R429	0130-6800-1654	RES. CF 680 ohm 1/16W J 0402	1
1145		R43	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1146		R430	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1147		R431	0130-2002-1654	RES. CF 20Kohm 1/16W J 0402	1
1148		R432	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1149		R433	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1150		R434	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1151		R435	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1152		R436	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1153		R437	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1154		R438	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1155		R439	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1156		R44	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1157		R440	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1158		R441	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1159		R442	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1160		R446	0130-1000-1859	RES. CF 100ohm 1/8W J 1206	1
1161		R447	0130-8200-1859	RES. CF 820ohm 1/8W J 1206	1
1162		R448	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1163		R449	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1164		R45	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1165		R450	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1166		R452	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1167		R453	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1168		R454	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1169		R455	0130-0000-1859	RES. CF 0.0ohm 1/4W J 1206	1
1170		R458	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1171		R459	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1172		R46	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1173		R460	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1174		R465	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1175		R466	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1176		R467	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1177		R468	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1178		R469	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1179		R47	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1180		R470	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1181		R471	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1182		R472	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1183		R473	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1184		R474	0130-6800-1654	RES. CF 680 ohm 1/16W J 0402	1
1185		R476	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1186		R478	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1187		R479	0130-1004-1654	RES. CF 1Mohm 1/16W J 0402	1
1188		R48	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1189		R480	0130-6800-1654	RES. CF 680 ohm 1/16W J 0402	1
1190		R481	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1191		R482	0130-2002-1654	RES. CF 20Kohm 1/16W J 0402	1
1192		R483	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1193		R484	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1194		R485	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1195		R486	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1196		R487	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1197		R488	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1198		R489	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1199		R49	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1200		R490	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1201		R491	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1202		R492	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1203		R494	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1204		R495	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1205		R500	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1206		R501	0130-0000-1859	RES. CF 0.0ohm 1/4W J 1206	1
1207		R513	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1208		R52	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1209		R524	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
1210		R525	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1211		R526	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1212		R528	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
1213		R529	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
1214		R53	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1215		R530	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
1216		R531	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
1217		R532	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
1218		R533	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1219		R534	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1220		R535	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1221		R536	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1222		R537	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1223		R538	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1224		R539	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1225		R54	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1226		R540	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1227		R542	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1228		R543	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1229		R544	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1230		R545	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1231		R546	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1232		R547	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1233		R548	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1234		R549	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1235		R55	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1236		R550	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1237		R551	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1238		R552	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1239		R553	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1240		R554	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1241		R556	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1242		R557	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1243		R558	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1244		R56	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1245		R57	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1246		R572	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
1247		R573	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1248		R574	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1249		R575	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1250		R576	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1251		R579	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
1252		R58	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1253		R580	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
1254		R581	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
1255		R582	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
1256		R583	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
1257		R584	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
1258		R585	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
1259		R586	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1260		R587	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
1261		R59	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1262		R591	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1263		R595	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1264		R596	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1265		R597	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1266		R598	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1267		R599	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1268		R60	0130-2701-1654	RES. CF 2.7Kohm 1/16W J 0402	1
1269		R601	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1270		R602	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
1271		R603	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
1272		R604	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
1273		R605	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1274		R606	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
1275		R607	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
1276		R608	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
1277		R609	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
1278		R61	0130-2701-1654	RES. CF 2.7Kohm 1/16W J 0402	1
1279		R610	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1280		R611	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1281		R612	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1282		R618	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1283		R619	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1284		R62	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1285		R620	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1286		R622	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1287		R623	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1288		R624	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
1289		R625	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
1290		R628	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1291		R63	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1292		R632	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
1293		R633	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
1294		R636	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1295		R64	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1296		R640	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1297		R643	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
1298		R644	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
1299		R646	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1300		R647	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
1301		R648	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
1302		R649	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
1303		R65	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1304		R650	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
1305		R651	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1306		R652	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
1307	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
1308		R653	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
1309	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
1310		R654	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1311		R655	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1312		R656	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1313		R657	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1314		R658	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1315		R659	0130-0000-1859	RES. CF 0.0ohm 1/4W J 1206	1
1316		R660	0130-8200-1654	RES. CF 820ohm 1/16W J 0402	1
1317		R661	0130-8200-1654	RES. CF 820ohm 1/16W J 0402	1
1318		R662	0130-8200-1654	RES. CF 820ohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1319		R666	0130-6802-1654	RES. CF 68Kohm 1/16W J 0402	1
1320		R670	0130-0000-1859	RES. CF 0.0ohm 1/4W J 1206	1
1321		R671	0130-0000-1859	RES. CF 0.0ohm 1/4W J 1206	1
1322		R673	0130-0000-0055	RES. CF 0.0ohm 1/10W J 0603	1
1323		R677	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1324		R678	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1325		R679	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1326		R683	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1327		R684	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1328		R685	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1329		R687	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1330		R688	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1331		R689	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
1332		R69	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
1333		R70	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1334		R71	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1335		R72	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
1336		R73	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1337		R74	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1338		R76	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1339		R77	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1340		R79	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
1341		R80	0130-2701-1654	RES. CF 2.7Kohm 1/16W J 0402	1
1342		R81	0130-2701-1654	RES. CF 2.7Kohm 1/16W J 0402	1
1343		R82	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1344		R83	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1345		R84	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1346		R85	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1347		R87	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
1348		R95	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
1349		R96	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
1350		R97	0131-5769-1614	RES. MF 57.6 ohm 1/16W F 0402	1
1351		R98	0131-5769-1614	RES. MF 57.6 ohm 1/16W F 0402	1
1352		R99	0131-5769-1614	RES. MF 57.6 ohm 1/16W F 0402	1
1353		U10	0430-7033-4962	IC FLI8125-LF-BC 208PIN PQFP LF	1
1354		U11	0430-3006-4011	IC AT24C32AN-10SU-2.7 8PIN SO-8 LF	1
1355		U12	0430-3002-3096	IC FLASH 4M SST25LF040A-33-4C-S2AE SOIC 8PIN LF	1
1356		U12X	0990-7002-9300	SOFTWARE GV46L CPU:GV46LHDTVGM01.H1.hex	1
1357		U13	0430-7043-0962	IC TV CONTROLLER FLI8532-LF-BE 416PIN PBGA LF	1
1358		U14	0430-1009-1009	IC 74HCT14D 14PIN SO14 LF	1
1359		U15	0430-3006-4011	IC AT24C32AN-10SU-2.7 8PIN SO-8 LF	1
1360		U16	0430-7031-9603	IC DDR 16Mx16 NT5DS16M16CS-5T 66PIN TSOPII LF	1
1361	SS		0430-7032-1612	IC DDR 16Mx16 A2S56D40BTP-G5PP 66PIN TSOPII LF	
1362	SS		0430-7037-4629	IC DDR 8Mx16 V58C2128164SBI5 66PIN TSOP-II LF	
1363		U17	0430-7031-9603	IC DDR 16Mx16 NT5DS16M16CS-5T 66PIN TSOPII LF	1
1364	SS		0430-7032-1612	IC DDR 16Mx16 A2S56D40BTP-G5PP 66PIN TSOPII LF	
1365	SS		0430-7037-4629	IC DDR 8Mx16 V58C2128164SBI5 66PIN TSOP-II LF	
1366		U18	0430-7030-3035	IC NC7SB3157P6X SC-70 6PIN LF	1
1367		U2	0420-2004-8612	MOSFET P-CH 7A 30V SP8J5 SO-8 8PIN L-F	1
1368	SS		0420-2004-8622	MOSFET P-CH 7A 30V FDS4935 SO-8 8PIN L-F	
1369		U20	0430-0002-6035	IC MM74HC4052MX SOIC 16PIN LF	1
1370		U21	0430-3039-6011	IC AT24C02BN-10SU-1.8 8Pin SOIC L-F	1
1371		U23	0430-7040-8602	IC M61323FP#DF0G 36PIN SSOP LF	1
1372		U24	0430-7040-8602	IC M61323FP#DF0G 36PIN SSOP LF	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1373		U26	0420-2004-8612	MOSFET P-CH 7A 30V SP8J5 SO-8 8PIN L-F	1
1374	SS		0420-2004-8622	MOSFET P-CH 7A 30V FDS4935 SO-8 8PIN L-F	
1375		U3	0430-6007-0072	IC N2576SG-3.3 3A 5PIN TO-263 LF	1
1376		U30	0430-4018-1059	IC HEADPHONE DRIVER PT2308-S(L) SOIC 8PIN LF	1
1377		U32	0430-9001-1980	IC MSP4440G-QI-C13-500 64PIN PMQFP LF	1
1378		U33	0430-4018-1059	IC HEADPHONE DRIVER PT2308-S(L) SOIC 8PIN LF	1
1379		U34	0430-4018-1059	IC HEADPHONE DRIVER PT2308-S(L) SOIC 8PIN LF	1
1380		U35	0430-7027-3738	IC Sii9011CLU 128PIN LQFP LF	1
1381		U36	0430-7030-1601	IC CS4344-CZZ TSSOP-10 LF	1
1382		U37	0430-3039-6011	IC AT24C02BN-10SU-1.8 8Pin SOIC L-F	1
1383		U38	0430-5018-1578	IC MCU SM5964C40JP 44PIN PLCC LF	1
1384		U38X	0990-7002-9400	SOFTWARE GV46L CPU:GV46LHDTVGM01.H2.hex	1
1385		U39	0430-6005-5079	IC AP1117E18LA LF SOT-223	1
1386		U4	0430-4016-9007	IC LM358DT 8PIN SO-8 LF	1
1387		U40	0430-3007-1017	IC 24LC128-I/SNG 8PIN SOIC LF	1
1388		U41	0430-6005-5079	IC AP1117E18LA LF SOT-223	1
1389		U42	0430-7027-3738	IC Sii9011CLU 128PIN LQFP LF	1
1390		U43	0430-7030-1601	IC CS4344-CZZ TSSOP-10 LF	1
1391		U44	0430-3039-6011	IC AT24C02BN-10SU-1.8 8Pin SOIC L-F	1
1392		U45	0430-1004-4015	IC SN74LV14ADR SMD SO14 LF	1
1393		U46	0430-7042-2065	IC QUICKSWITCH IDTQS3253QG QSOP 16PIN LF	1
1394		U47	0430-7042-2065	IC QUICKSWITCH IDTQS3253QG QSOP 16PIN LF	1
1395		U5	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		U60	0430-7032-9615	IC TS5V330DBQR 16PIN QSOP LF	1
1398		U7	0430-6006-1079	IC LDO AP1084KLA ADJ TO-263-3L LF	1
1399		U8	0430-6006-1079	IC LDO AP1084KLA ADJ TO-263-3L LF	1
1400		U9	0430-6002-8079	IC AP1117E25LA SOT-223 L-F	1
1401		W1	0302-2000-2306	CONN MALE R/A 30P SMD (MS240430G) L-F	1
1402		XU1	0430-3039-3645	IC MX29LV160CTTC-70G 48PIN TSOP LF	1
1403	SS		0430-3039-3648	IC FLASH 16M EN29LV160AT-70TCP TSOP 48PIN LF	
1404		XU1X	0990-7002-9200	SOFTWARE GV46L CPU:GV46LHDTVGM01.H0.hex	1

364600120190B TUNER BD ASS'Y(GV46L) BOT

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1		C100	0112-3475-1115	C/M MULTI 4.7uF 10V X7R 0805 L-F	1
2		C101	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
3	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
4		C102	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
5	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
6		C103	0112-3475-1115	C/M MULTI 4.7uF 10V X7R 0805 L-F	1
7		C104	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
8	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
9		C105	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
10	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
11		C106	0112-3475-1115	C/M MULTI 4.7uF 10V X7R 0805 L-F	1
12		C107	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
13	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
14		C108	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
15	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
16		C109	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
17	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
18		C110	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
19	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
20		C112	0112-3475-1115	C/M MULTI 4.7uF 10V X7R 0805 L-F	1
21		C113	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
22	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
23		C114	0112-3475-1115	C/M MULTI 4.7uF 10V X7R 0805 L-F	1
24		C115	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
25	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
26		C116	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
27	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
28		C117	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
29	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
30		C118	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
31	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
32		C119	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
33	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
34		C120	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
35	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
36		C121	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
37	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
38		C123	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
39	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
40		C124	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
41	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
42		C125	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
43	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
44		C126	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
45	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
46		C127	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
47	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
48		C128	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
49	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
50		C129	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
51	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
52		C130	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
53	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
54		C131	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
55	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
56		C132	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
57	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
58		C133	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
59	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
60		C134	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
61	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
62		C136	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
63	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
64		C137	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
65	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
66		C139	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
67	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
68		C14	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
69	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
70		C142	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
71	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
72		C143	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
73	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
74		C144	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
75	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
76		C145	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
77	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
78		C146	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
79	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
80		C147	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
81	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
82		C15	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
83	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
84		C158	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
85	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
86		C160	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
87	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
88		C161	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
89	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
90		C162	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
91	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
92		C163	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
93	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
94		C165	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
95	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
96		C166	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
97	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
98		C167	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
99	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
100		C168	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
101	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
102		C169	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
103	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
104		C170	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
105	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
106		C171	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
107	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
108		C172	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
109	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
110		C173	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
111	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
112		C174	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
113	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
114		C175	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
115	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
116		C176	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
117	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
118		C177	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
119	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
120		C178	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
121	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
122		C179	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
123	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
124		C180	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
125	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
126		C181	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
127	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
128		C182	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
129	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
130		C183	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
131	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
132		C184	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
133	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
134		C186	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
135	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
136		C187	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
137	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
138		C188	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
139	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
140		C189	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
141	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
142		C190	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
143	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
144		C191	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
145	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
146		C192	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
147	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
148		C193	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
149	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
150		C194	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
151	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
152		C195	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
153	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
154		C198	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
155	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
156		C199	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
157	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
158		C200	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
159	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
160		C201	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
161	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
162		C202	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
163	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
164		C203	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
165	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
166		C205	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
167	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
168		C209	0111-3100-5107	C/M Multi. 10PF 50V NPO J 0402	1
169	SS		0112-3100-5107	C/M Multi. 10PF 50V NPO 0402	
170		C237	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
171	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
172		C57	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
173	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
174		C61	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
175	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
176		C65	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
177	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
178		C66	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
179	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
180		C67	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
181	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
182		C68	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
183	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
184		C69	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
185	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
186		C70	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
187	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
188		C72	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
189	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
190		C73	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
191	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
192		C75	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
193	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
194		C76	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
195	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
196		C77	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
197	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
198		C78	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
199	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
200		C79	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
201	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
202		C80	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
203	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
204		C81	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
205	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
206		C83	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
207	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
208		C84	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
209	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
210		C85	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
211	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
212		C86	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
213	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
214		C87	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
215	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
216		C88	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
217	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
218		C89	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
219	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
220		C90	0111-3562-5117	C/M Multi. 5600PF 50V X7R K 0402	1
221	SS		0112-3562-5117	C/M Multi. 5600PF 50V X7R K 0402	
222		C93	0111-3152-5117	C/M Multi. 1500PF 50V X7R 0402	1
223		C94	0111-3152-5117	C/M Multi. 1500PF 50V X7R 0402	1
224		FB3	0371-6880-0482	CHIP COIL 0.68uH 300mA 0805 (GL201209TR68KTM) LF	1
225		L24	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
226		L26	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
227		L36	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
228		RP15	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
229		RP19	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
230		RP23	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
231		RP30	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
232		RP31	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
233		R102	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
234		R103	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
235		R106	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
236		R115	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
237		R46	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
238		R48	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
239		R58	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
240		R60	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
241		R61	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
242		R62	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
243		R66	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
244		R75	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
245		R76	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
246		R77	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
247		R78	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
248		R79	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
249		R80	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
250		R85	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
251		R88	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1

364600120190T TUNER BD ASS'Y(GV46L) TOP

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
1			0171-1472-0355	PCB ATSC BD FR4 150*140*1.6t 4M (PD-50LT)(1:2)	1
2		C138	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
3	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
4		C141	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
5	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
6		C149	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
7	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
8		C151	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
9	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
10		C152	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
11	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
12		C153	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
13	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
14		C154	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
15	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
16		C155	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
17	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
18		C156	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
19	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
20		C157	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
21	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
22		C159	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
23	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
24		C16	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
25	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
26		C196	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
27	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
28		C197	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
29	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
30		C204	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
31	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
32		C208	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
33	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
34		C21	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
35	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
36		C210	0111-3470-5107	C/M Multi. 47pF 50V NPO 0402	1
37	SS		0112-3470-5107	C/M Multi. 47PF 50V NPO J 0402	
38		C211	0111-3121-5106	C/M MULTI 120PF 50V NPO 0603	1
39		C212	0111-3470-5107	C/M Multi. 47pF 50V NPO 0402	1
40	SS		0112-3470-5107	C/M Multi. 47PF 50V NPO J 0402	
41		C215	0111-3470-5107	C/M Multi. 47pF 50V NPO 0402	1
42	SS		0112-3470-5107	C/M Multi. 47PF 50V NPO J 0402	
43		C216	0111-3121-5106	C/M MULTI 120PF 50V NPO 0603	1
44		C217	0111-3470-5107	C/M Multi. 47pF 50V NPO 0402	1
45	SS		0112-3470-5107	C/M Multi. 47PF 50V NPO J 0402	
46		C22	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
47	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
48		C220	0111-3470-5107	C/M Multi. 47pF 50V NPO 0402	1
49	SS		0112-3470-5107	C/M Multi. 47PF 50V NPO J 0402	
50		C221	0111-3121-5106	C/M MULTI 120PF 50V NPO 0603	1
51		C222	0111-3470-5107	C/M Multi. 47pF 50V NPO 0402	1
52	SS		0112-3470-5107	C/M Multi. 47PF 50V NPO J 0402	
53		C23	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
54	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
55		C24	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
56	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
57		C241	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
58	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
59		C242	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
60	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
61		C245	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
62	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
63		C246	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
64	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
65		C247	0111-3103-1637	C/M Multi. 0.01uF 16V Y5V 0402	1
66		C250	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
67	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
68		C27	0111-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	1
69	SS		0112-3104-1617	C/M Multi. 0.1uF 16V X7R 0402	
70		C28	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
71	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
72		C3	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
73	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
74		C30	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
75	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
76		C31	0111-3103-1637	C/M Multi. 0.01uF 16V Y5V 0402	1
77		C35	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
78	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
79		C52	0111-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	1
80	SS		0112-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	
81		C53	0111-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	1
82	SS		0112-3473-2517	C/M Multi. 0.047uF 25V X7R 0402	
83		C54	0111-3105-1636	C/M MULTI 1uF 16V Y5V 0603	1
84	SS		0112-3105-1636	C/M Multi. 1.0uF 16V Y5V 0603	
85		C56	0111-3105-1636	C/M MULTI 1uF 16V Y5V 0603	1
86	SS		0112-3105-1636	C/M Multi. 1.0uF 16V Y5V 0603	
87		C58	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
88	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
89		C59	0111-3106-6055	C/M MULTI 10UF 6.3V X5R 0805	1
90	SS		0112-3106-6055	C/M MULTI 10UF 6.3V X5R 0805	
91		C6	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
92	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
93		C60	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
94	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
95		C62	0111-3180-5107	C/M Multi. 18PF 50V NPO 0402	1
96	SS		0112-3180-5107	C/M Multi. 18PF 50V NPO 0402	
97		C63	0111-3180-5107	C/M Multi. 18PF 50V NPO 0402	1
98	SS		0112-3180-5107	C/M Multi. 18PF 50V NPO 0402	
99		C7	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
100	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
101		C71	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
102	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
103		C9	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
104	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
105		C95	0111-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	1
106	SS		0112-3104-1637	C/M Multi. 0.1uF 16V Y5V 0402	
107		C96	0111-3103-1637	C/M Multi. 0.01uF 16V Y5V 0402	1
108		C97	0111-3102-2517	C/M Multi. 1000PF 25V X7R K 0402	1
109		C98	0111-3470-5107	C/M Multi. 47pF 50V NPO 0402	1
110	SS		0112-3470-5107	C/M Multi. 47PF 50V NPO J 0402	
111		D2	0390-5003-5273	DUAL SURFACE DIODE BAV99 SMD (SOT-23) L-F	1
112	SS		0390-5003-5293	DUAL SURFACE DIODES BAV99-7-F SOT-23 L-F	

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
113		D3	0390-5003-5273	DUAL SURFACE DIODE BAV99 SMD (SOT-23) L-F	1
114	SS		0390-5003-5293	DUAL SURFACE DIODES BAV99-7-F SOT-23 L-F	
115		D4	0390-5003-5273	DUAL SURFACE DIODE BAV99 SMD (SOT-23) L-F	1
116	SS		0390-5003-5293	DUAL SURFACE DIODES BAV99-7-F SOT-23 L-F	
117		FB1	0371-6880-0482	CHIP COIL 0.68uH 300mA 0805 (GL201209TR68KTM) LF	1
118		FB2	0371-6880-0482	CHIP COIL 0.68uH 300mA 0805 (GL201209TR68KTM) LF	1
119		FB4	0371-6880-0482	CHIP COIL 0.68uH 300mA 0805 (GL201209TR68KTM) LF	1
120		F1	0185-1302-0073	FUSE 125V/3A SMD (R451003) LF	1
121		F2	0185-1302-0073	FUSE 125V/3A SMD (R451003) LF	1
122		F4	0185-1102-0073	FUSE 125V/1A SMD (R451001) L-F	1
123		L10	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
124		L11	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
125		L12	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
126		L20	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
127		L21	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
128		L22	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
129		L23	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
130		L25	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
131		L27	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
132		L28	0370-2056-8620	CHIP COIL 0.56uH 100mA 0603 (MLF1608DR56KT) LF	1
133		L29	0370-2056-8620	CHIP COIL 0.56uH 100mA 0603 (MLF1608DR56KT) LF	1
134		L30	0370-2056-8620	CHIP COIL 0.56uH 100mA 0603 (MLF1608DR56KT) LF	1
135		L31	0370-2056-8620	CHIP COIL 0.56uH 100mA 0603 (MLF1608DR56KT) LF	1
136		L32	0370-2056-8620	CHIP COIL 0.56uH 100mA 0603 (MLF1608DR56KT) LF	1
137		L33	0370-2056-8620	CHIP COIL 0.56uH 100mA 0603 (MLF1608DR56KT) LF	1
138		L34	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
139		L4	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
140		L7	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
141		L8	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
142		L9	0370-0000-6452	CHIP BEAD CORE 80ohm (MLB-201209-0080A-N2)	1
143		Q2	0411-3000-9622	TR NPN 0.1A 50V BC847B SOT-23 LF	1
144		RP11	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
145		RP12	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
146		RP13	0141-3309-3851	ARRAY RES. A(X) 33ohm 4R J 8P	1
147		RP14	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
148		RP16	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
149		RP17	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
150		RP18	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
151		RP20	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
152		RP21	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
153		RP22	0141-2209-3851	ARRAY RES. A(X) 22ohm 4R J 8P	1
154		RP24	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
155		RP25	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
156		RP26	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
157		RP27	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
158		RP28	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
159		RP29	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
160		RP32	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
161		RP33	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
162		RP34	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
163		RP35	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
164		RP36	0141-4709-3851	ARRAY RES. A(X) 47ohm 4R J 8P	1
165		RP37	0141-7509-3851	ARRAY RES. A(X) 75ohm 4R J 8P	1
166		R1	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
167		R10	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
168		R100	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
169		R101	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
170		R11	0130-1002-1654	RES. CF 10Kohm 1/16W J 0402	1
171		R117	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
172		R119	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
173		R12	0371-2290-0152	CHIP COIL 2.2uH 0805 (MLI-201209-2R2M) LF	1
174		R120	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
175		R121	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
176		R122	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
177		R123	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
178		R124	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
179		R125	0130-3901-1654	RES. CF 3.9 Kohm 1/16W J 0402	1
180		R126	0131-1211-1614	RES. MF 1.21K ohm 1/16W F 0402	1
181		R127	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
182		R129	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
183		R13	0371-2290-0152	CHIP COIL 2.2uH 0805 (MLI-201209-2R2M) LF	1
184		R130	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
185		R131	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
186		R136	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
187		R137	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
188		R138	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
189		R139	0130-3309-1654	RES. CF 33ohm 1/16W J 0402	1
190		R14	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
191		R141	0130-4702-1654	RES. CF 47Kohm 1/16W J 0402	1
192		R142	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
193		R144	0130-1003-1654	RES. CF 100Kohm 1/16W J 0402	1
194		R146	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
195		R149	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
196		R150	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
197		R16	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
198		R19	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
199		R2	0130-5600-1654	RES. CF 560ohm 1/16W J 0402	1
200		R21	0130-0000-1858	RES. CF 0.0ohm 1/8W J 0805	1
201		R29	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
202		R3	0130-3300-1654	RES. CF 330ohm 1/16W J 0402	1
203		R30	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
204		R31	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
205		R32	0130-1001-1654	RES. CF 1Kohm 1/16W J 0402	1
206		R35	0130-1004-1654	RES. CF 1Mohm 1/16W J 0402	1
207		R36	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
208		R37	0130-3300-1654	RES. CF 330ohm 1/16W J 0402	1
209		R38	0130-5600-1654	RES. CF 560ohm 1/16W J 0402	1
210		R4	0130-2700-1654	RES. CF 270 ohm 1/16W J 0402	1
211		R42	0130-8201-1654	RES. CF 8.2Kohm 1/16W J 0402	1
212		R43	0130-1009-1654	RES. CF 10ohm 1/16W J 0402	1
213		R45	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
214		R47	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
215		R49	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
216		R50	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
217		R51	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
218		R52	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
219		R53	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
220		R54	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
221		R55	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1

ITEM	M/S	LOCATION	PART NO.	DESCRIPTION	Q'TY
222		R56	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
223		R57	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
224		R59	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
225		R6	0610-1210-1114	RES CHIP 121 OHM F 0402	1
226		R63	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
227		R64	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
228		R65	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
229		R67	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
230		R68	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
231		R69	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
232		R7	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
233		R70	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
234		R71	0130-2209-1654	RES. CF 22ohm 1/16W J 0402	1
235		R73	0130-4709-1654	RES. CF 47ohm 1/16W J 0402	1
236		R74	0130-7509-1654	RES. CF 75ohm 1/16W J 0402	1
237		R8	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
238		R81	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
239		R87	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
240		R89	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
241		R9	0130-0000-1654	RES. CF 0ohm 1/16W J 0402	1
242		R90	0130-1000-1654	RES. CF 100ohm 1/16W J 0402	1
243		R94	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
244		R95	0130-4701-1654	RES. CF 4.7Kohm 1/16W J 0402	1
245		U10	0430-7035-1999	IC MT5351AG 471PIN BGA LF	1
246		U12	0430-7031-9603	IC DDR 16Mx16 NT5DS16M16CS-5T 66PIN TSOPII LF	1
247		U13	0430-7031-9603	IC DDR 16Mx16 NT5DS16M16CS-5T 66PIN TSOPII LF	1
248		U14	0430-6010-9028	IC G2996F1Uf 8PIN SOP-8(FD) LF	1
249		U15	0430-3039-4645	IC MX29LV320CTTC-70G 48PIN TSOP LF	1
250	SS		0430-3039-4648	IC FLASH 32M EN29LV320T-70TCP TSOP 48PIN LF	
251		U15X	0990-7002-9500	SOFTWARE GV46L CPU:GV46LHDTVMMMD01.BIN	1
252		U19	0430-6007-5075	IC AME1117CCGTZ 3PIN SOT-223 L-F	1
253	SS		0430-6007-5079	IC AP1117E33LA LF SOT-223	
254		U2	0430-6013-4072	IC N2596SG-ADJ 3A 150KHZ TO-263-5L LF	1
255	SS		0430-6015-2099	IC MSP1250-ADJS 3A 150KHZ TO-263-5L LF	
256		U21	0430-6013-4072	IC N2596SG-ADJ 3A 150KHZ TO-263-5L LF	1
257	SS		0430-6015-2099	IC MSP1250-ADJS 3A 150KHZ TO-263-5L LF	
258		U22	0430-7032-9615	IC TS5V330DBQR 16PIN QSOP LF	1
259		U3	0430-6006-1079	IC LDO AP1084KLA ADJ TO-263-3L LF	1
260		U4	0430-6002-8079	IC AP1117E25LA SOT-223 L-F	1
261		U5	0430-6009-1051	IC AMC1117SKF-ADJ SMD 3PIN SOT-223 LF	1
262		U9	0430-7043-1999	IC DEMODULATOR MT5112BD LQFP 100PIN LF	1
263		X1	0286-2700-0024	OSC 27MHz 25ppm 3.3V SMD VCXO	1

VIZIO GV46L HDTV(Samsung)及 GV46L HDTV10A(Samsung)差異表

組成編號	單位	規格說明	2646-8500-1033	2646-8500-2033
1701-0214-4010	EA	SPEAKER REAR COVER_R (GV42/46)(HiP	1	
1701-0214-4040	EA	SPEAKER REAR COVER_R (GV46 HDTV10A		1
1701-0214-5010	EA	SPEAKER REAR COVER_L (GV42/46)(HiP	1	
1701-0214-5040	EA	SPEAKER REAR COVER_L (GV46 HDTV10A		1
1701-0523-3020	EA	BASE (GV42L HDTV)(HIPS)	1	
1701-0523-3030	EA	BASE (GV46L HDTV10A)(HIPS)		1
1701-0800-1950	EA	Decorate R(PC, Transpare, Thickness=	1	
1701-0800-1960	EA	Decorate L(PC, Transpare, Thickness=	1	
1701-1930-6030	EA	DUCT BOTTOM COVER (GV42/46)(ABS HB	1	
1701-1930-6040	ST	DUCT BOTTOM COVER (GV46L HDTV10A)(1
1701-1930-7030	EA	DUCT TOP COVER (GV42/46)(ABS HB)	1	
1701-1930-7040	ST	DUCT TOP COVER (GV46L HDTV10A)(ABS		1
1701-1930-8030	EA	WOOFER COVER (GV42/46)(ABS HB)	1	
1701-1930-8040	ST	WOOFER COVER (GV46L HDTV10A)(ABS H		1
1721-0003-1420	EA	TAP. SCREW-TB #3.0*14.0L,NI	24	
1721-0003-1450	ST	TAP. SCREW-TB #3.0*14.0L,BLK-Ni		24
1721-0004-1020	EA	TAP. SCREW-TP #4.0*10.0L,NI	7	
1721-0004-1050	EA	TAP. SCREW-TP #4.0*10.0L, BLK-Ni		7
1801-0214-3010	EA	Rear(ABS V5,Thickness=3.0mm)(GV46L	1	
1801-0214-3020	EA	Rear(ABS 5V,Black,Thickness=3.0mm)		1
1936-1100-8560	EA	B/C LBL (VIZIO GV46L HDTV)	1	
1936-1100-8870	EA	B/C LBL VIZIO GV46L HDTV10A		1
3642-0012-0334	ST	BASE ASS'Y GV42L HDTV	1	
3642-0022-0319	EA	Acoustic LEFT BOXES ASS'Y (GV42L/G	1	

組成編號	單位	規格說明	2646-8500-1033	2646-8500-2033
3646-0012-0312		PACKING ASS'Y (GV46L HDTV)	1	
3646-0012-0319	EA	Acoustic Right BOXES ASS'Y (GV46L	1	
3646-0012-0331		LCD PANEL ASS'Y (GV46L HDTV)	1	
3646-0012-0334		BASE ASS'Y GV46L HDTV10A		1
3646-0022-0312		PACKING ASS'Y (GV46L HDTV10A)		1
3646-0022-0319	EA	Acoustic Left BOXES ASS'Y (GV46L H		1
3646-0022-0331		LCD PANEL ASS'Y (GV46L HDTV10A)		1
3646-0022-0395	EA	BACK COVER ASSY(GV46L)	1	
3646-0032-0319	ST	Acoustic Right BOXES ASS'Y (GV46L		1