



Internal Use Only

website:<http://biz.LGservice.com>

PLASMA TV

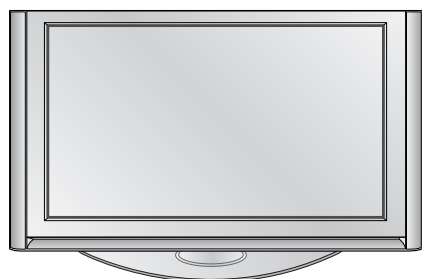
SERVICE MANUAL

CHASSIS : PB75A

MODEL : 50PY3DF **50PY3DF-AA**

CAUTION

BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



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SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by $\triangle$ in the Schematic Diagram and Replacement Parts List.
It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.
Do not modify the original design without permission of manufacturer.

General Guidance

An **isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and its components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in **handling the Picture Tube**.
Do not lift the Picture tube by its Neck.

Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.

If the exposed metallic part has a return path to the chassis, the measured resistance should be between $1M\Omega$ and $5.2M\Omega$.

When the exposed metal has no return path to the chassis the reading must be infinite.

An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.

Do not use a line Isolation Transformer during this check.

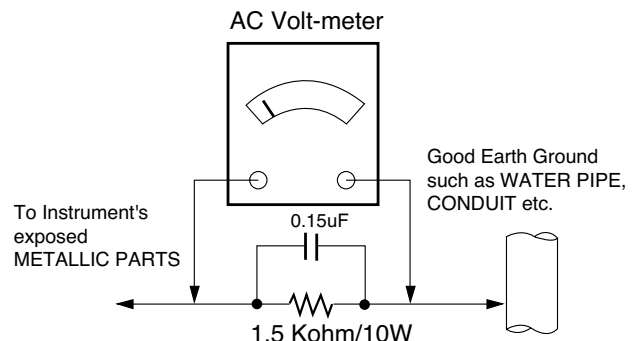
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.

Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which corresponds to 0.5mA.

In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



SPECIFICATIONS

NOTE : Specifications and others are subject to change without notice for improvement.

■ Application Range

This spec is applied to the 60" PLASMA TV used PB75A Chassis.

Chassis	Model Name	Market	Brand	Remark
PB75A	50PY3DF-AA	Australia	LG	

■ Specification

Each part is tested as below without special appointment.

- 1) Temperature : 25±5°C (77±9°F), CST : 40±5
- 2) Relative Humidity: 65±10%
- 3) Power Voltage: Standard Input voltage (100-240V~, 50/60Hz)
* Standard Voltage of each product is marked by models.
- 4) Specification and performance of each parts are followed each drawing and specification by part number in accordance with SBOM.
- 5) The receiver must be operated for about 20 minutes prior to the adjustment.

■ Test Method

- 1) Performance : LGE TV test method followed.
- 2) Demanded other specification
Safety : CB specification
EMC : CISPR 13 specification

Model	Market	Appliance	Remark
50PY3DF-AA	Australia	Safety : IEC60065, EN60950 EMC : CISPR 13 Class B	

■ General Specification

1. Model General Specification

No	Model	Specification	Remark
1	Broadcasting system	PAL-B/G, DTV : DVB-T	
2	Available Channel	1) VHF : 00 ~ 12 2) UHF : 20 ~ 75 3) CATV : 02 ~ 44 4) DTV : 06 ~12, 27 ~ 69	
3	Tuner IF	1) PAL : 38.90MHz(Picture), 34.40MHz(Sound) 2) DVB-T : 36.125MHz	
4	Input Voltage	100-240V~, 50Hz	Mark : 240V, 50Hz
5	Screen Size	50" Wide (1920x1080)	
6	Aspect ratio	16:9	
7	PDP Module	PDP50H1(LGE)	
8	Operating Environment	1) Temp : 0~40deg 2) Humidity : ~80%	
9	Storage Environment	1) Temp : -20~60deg 2) Humidity : ~80%	

2. Module Specification (PDP50H1)

2-1. General Specification

No	Item		Min	Typ	Max	Unit	Remark
1	Display area		1106.5(H) x 622.1(V) x 0.5mm			mm	
2	Outline dimension		1180(H) x 687(V) x 56(D) ± 1(mm)			mm	
3	Number of Pixels		1920 (H) x 1080 (V)				1Pixel=3RGB Cells
4	Cell pitch		192 μ m(H) x 576 μ m(V)			um	1Pixel=3RGB Cells
5	Pixel type		RGB Closed(Well) type				
6	Weight(net)		23.5	24.5	25.5	Kg	
7	Weight(gross)		320	325	330	Kg	12EA 1Box
8	Operation Environment	Temperature	0 ~ 60			deg	Altitude : 0 to 2000M
		Humidity	20 ~ 80			%	
		Pressure	800 ~ 1100			hPa	
9	Storage Environment	Temperature	-10 ~ 60			deg	
		Humidity	10 ~ 90			%	
		Pressure	700 ~ 1100			hPa	
10	Image stick minimization mode	Start time	4.5	5	5.5	min	
		Low Brightness	14	15	16	min	
		Arrival Time					

2-2. Electro Optical Characteristic Specifications

No	Item			Min	Typ	Max	Unit	Remark
1	White peak Brightness			700	1000		cd/m ²	1% white window
2	White average brightness			130	160	+10	cd/m ²	Full white
3	Brightness uniformity			-10	0	0.320		
4	Color Coordinate	White	X	0.280	0.300	0.335		
			Y	0.295	0.315	+0.02		
5	Color coordinate uniformity			-0.02	Average			
6	Contrast ratio	Bright Room		70:1	110:1			100Lx at center
		Dark Room		2,000:1	3,000:1			1% white window
7	Power Consumptoin				420	500	W	Full window
8	Non ignition dot + Unstable dot	A zone				4	Cells/Full screen	2cell conjunction point : N≤2
		B zone				11		3cell conjunction point : N=0
9	Uncontrollable dot	A zone				5	Cells/Full screen	2cell conjunction point : N=0
		B zone				8		
10	Non extinguishing dot	A zone				0	Cells/ screen	2cell conjunction point : N=0
11	Cell defect distance			25			mm	
12	Total Cell defects					20	sub pixel	Full screen

ADJUSTMENT INSTRUCTIONS

1. Application Object

These instructions are applied to all of the 50" PLASMA TV, PB75A Chassis

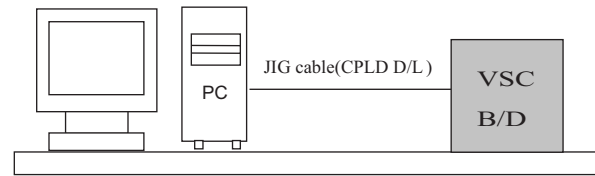
2. Notes

- (1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test equipment.
- (2) Adjustments must be done in the correct order.
- (3) The adjustments must be performed in the circumstance of $25\pm5^{\circ}\text{C}$ of temperature and $65\pm10\%$ of relative humidity if there is no specific designation.
- (4) The input voltage of the receiver be must kept 220V~, 60Hz when adjusting.
- (5) The receiver must be operational for about 15 minutes prior to the adjustments.

- Preliminary action is 100% FULL WHITE PATTERN must be operated automatically. (Ez-Adjust 10. Test Pattern)
- Test for afterimage discharge detection
 - 1) How to Adj R/C pressing Power key.
 - 2) Press the ADJ KEY of the adjusting R/C to enter into the Ez-Adjust, use the CH +/- key to select '10. WHITE PATTERN', and press the confirmation (■) key. Then, '100% FULL WHITE PATTERN' is displayed.

* Set is activated HEAT-RUN without signal generator in this mode.

If you turn on a still screen more than 20 minutes (Especially Digital pattern, Cross Hatch Pattern), an afterimage may occur in the black level part of the screen.



<Fig.1> Connection Diagram of CPLD Download

3-2. EDID DATA for PB75A

■ EDID for HDMI-1 (DDC (Display Data Channel) Data)
EDID table =

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	00	FF	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01	01
10	00	11	01	03	80	73	41	96	0A	CF	74	A3	57	4C	B0	23
20	09	48	4C	AF	CE	00	31	40	45	40	61	40	81	80	A9	40
30	D1	C0	01	01	01	01	66	21	50	B0	51	00	1B	30	40	70
40	36	00	C4	8E	21	00	00	1A	02	3A	80	18	71	38	2D	40
50	58	2C	45	00	C4	8E	21	00	00	1E	00	00	00	FD	00	30
60	58	1F	64	11	00	0A	20	20	20	20	20	20	00	00	00	FC
70	00	4C	47	20	54	56	0A	20	20	20	20	20	20	20	01	00

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	02	03	1E	F1	4E	20	22	10	1F	01	02	03	04	05	12	93
10	14	07	16	23	15	07	50	66	03	0C	00	10	00	80	01	1D
20	00	72	51	D0	1E	20	6E	28	55	00	C4	8E	21	00	00	1E
30	01	1D	80	18	71	1C	16	20	58	2C	25	00	C4	8E	21	00
40	00	9E	8C	0A	D0	90	20	40	31	20	0C	40	55	00	4C	6C
50	42	00	00	18	01	1D	00	BC	52	D0	1E	20	B8	28	55	40
60	C4	8E	21	00	00	1E	01	1D	80	D0	72	1C	16	20	10	2C
70	25	80	C4	8E	21	00	00	9E	00	00	00	00	00	00	00	58

■ EDID for HDMI-2 (DDC (Display Data Channel) Data)
EDID table =

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	00	FF	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01	01
10	00	11	01	03	80	73	41	96	0A	CF	74	A3	57	4C	B0	23
20	09	48	4C	AF	CE	00	31	40	45	40	61	40	81	80	A9	40
30	D1	C0	01	01	01	01	66	21	50	B0	51	00	1B	30	40	70
40	36	00	C4	8E	21	00	00	1A	02	3A	80	18	71	38	2D	40
50	58	2C	45	00	C4	8E	21	00	00	1E	00	00	00	FD	00	30
60	58	1F	64	11	00	0A	20	20	20	20	20	20	00	00	00	FC
70	00	4C	47	20	54	56	0A	20	20	20	20	20	20	20	01	00

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	02	03	1E	F1	4E	20	22	10	1F	01	02	03	04	05	12	93
10	14	07	16	23	15	07	50	66	03	0C	00	20	00	80	01	1D
20	00	72	51	D0	1E	20	6E	28	55	00	C4	8E	21	00	00	1E
30	01	1D	80	18	71	1C	16	20	58	2C	25	00	C4	8E	21	00
40	00	9E	8C	0A	D0	90	20	40	31	20	0C	40	55	00	4C	6C
50	42	00	00	18	01	1D	00	BC	52	D0	1E	20	B8	28	55	40
60	C4	8E	21	00	00	1E	01	1D	80	D0	72	1C	16	20	10	2C
70	25	80	C4	8E	21	00	00	9E	00	00	00	00	00	00	00	48

3. EDID(The Extended Display Identification Data)/DDC (Display Data Channel) Download

This has been established by VESA and is the function created to "Plug and Play" by making the computer reconfigure user environment through communication with the monitor automatically without having the user set commands directly to the PC or the monitor so that the user can use it immediately.

* When writing EDID, use DDC2B protocol.

3-1. HDMI EDID Data Input

(1) Required Test Equipment

- PC, Jig for adjusting DDC. (PC serial to D-sub Connection equipment)
- S/W for writing DDC (EDID data write & read)
- D-Sub cable
- Jig for HDMI Cable connection

(2) Adjustment preparation & device configuration

- Configure as Fig. 7, and turn on the PC
- Turn on the JIG.
- Run the DDC recording S/W (EDID Data Write & Read). (Execute in DOS mode)

■ EDID for HDMI-3 (DDC (Display Data Channel) Data)
EDID table =

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	00	FF	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01	01
10	00	11	01	03	80	73	41	96	0A	CF	74	A3	57	4C	B0	23
20	09	48	4C	AF	CE	00	31	40	45	40	61	40	81	80	A9	40
30	D1	C0	01	01	01	01	66	21	50	B0	51	00	1B	30	40	70
40	36	00	C4	8E	21	00	00	1A	02	3A	80	18	71	38	2D	40
50	58	2C	45	00	C4	8E	21	00	00	1E	00	00	00	FD	00	30
60	58	1F	64	11	00	0A	20	20	20	20	20	20	00	00	00	FC
70	00	4C	47	20	54	56	0A	20	20	20	20	20	20	20	01	00

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	02	03	1E	F1	4E	20	22	10	1F	01	02	03	04	05	12	93
10	14	07	16	23	15	07	50	66	03	0C	00	30	00	80	01	1D
20	00	72	51	D0	1E	20	6E	28	55	00	C4	8E	21	00	00	1E
30	01	1D	80	18	71	1C	16	20	58	2C	25	00	C4	8E	21	00
40	00	9E	8C	0A	D0	90	20	40	31	20	0C	40	55	00	4C	6C
50	42	00	00	18	01	1D	00	BC	52	D0	1E	20	B8	28	55	40
60	C4	8E	21	00	00	1E	01	1D	80	D0	72	1C	16	20	10	2C
70	25	80	C4	8E	21	00	00	9E	00	00	00	00	00	00	00	38

■ EDID for RGB (DDC (Display Data Channel) Data)
EDID table =

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	00	FF	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01	01
10	0E	11	01	03	18	73	41	96	0A	CF	74	A3	57	4C	B0	23
20	09	48	4C	AF	CF	00	31	40	45	40	61	40	81	80	A9	40
30	D1	C0	01	01	01	01	66	21	50	B0	51	00	1B	30	40	70
40	36	00	C4	8E	21	00	00	1A	02	3A	80	18	71	38	2D	40
50	58	2C	45	00	C4	8E	21	00	00	1E	00	00	00	FD	00	30
60	58	1F	64	11	00	0A	20	20	20	20	20	20	00	00	00	FC
70	00	4C	47	20	54	56	0A	20	20	20	20	20	20	20	01	59

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	02	03	04	00	0E	1F	00	80	51	00	1E	30	40	80	37	00
10	C4	8E	21	00	00	1C	00	00	00	00	00	00	00	00	00	00
20	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
30	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
40	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
50	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
60	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
70	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	25

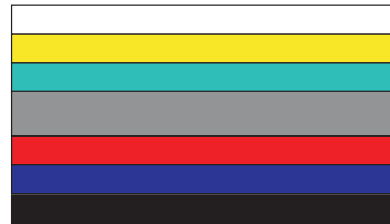
4. MST3361M-Set Adjustment

4-1. Synopsis

MST3361M-Set adjustment to set the black level and the Gain of optimum with an automatic movement from the analog => digital converter.

4-2. Test Equipment

Service R/C, 801GF(802B,802F,802R),
MSPG-925FA,MSPG-1025D Pattern Generator.
(480i, 1080p Horizontal 60Hz Color Bar Pattern output will be possible and the output level will accurately have to be revised with 0.7±0.1Vp-p)



<Fig.2> Adjust Pattern : 480i, 1080p 60Hz Color Bar Pattern

* It should be checked because the above pattern may be different according to the model and the pattern of the used equipment.

4-3. Adjustment method

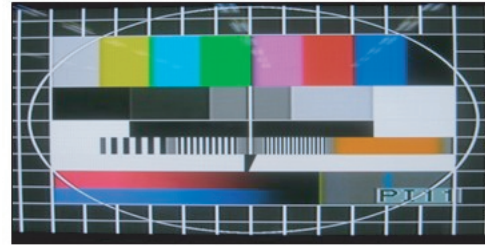
(1) Component1 adjustment method.

- 1) Select Component1 as the input with Color Bar Pattern in 480i 60Hz mode and select 'Component1' on screen.
- 2) After receiving signal for at least 1 second, press the ADJ Key on the Service R/C to enter the 'Ez - Adjust' and select the '1. ADC 480i Comp1'. Pressing the Vol+ Key to adjust the component1.
- 3) When the adjustment is over, 'ADC Component1 Success' is displayed.
- 4) When the adjustment is not normally completed, a message saying 'ADC Component1 480i Fail' is displayed. When the component is not connected, a message saying 'Component1 Not Connected', when the input format is not 480i, a message saying 'Not Valid Format' and when the input signal is not coming out, a message saying 'Check Signal Status' is displayed for 1 second.

(MSPG-925FA : -> model : 209, pattern : 65)

(2) Component1, RGB adjustment method.

- 1) Select Component1, RGB as the input with Color Bar Pattern in 1080p 60Hz mode and select 'Component1' as input mode.
- 2) After receiving signal for at least 1 second, press the ADJ Key on the Service R/C to enter the 'Ez - Adjust' and select the '2. ADC 480i Comp1/RGB'. Pressing the Vol+ Key to adjust the component1.
- 3) When the adjustment is normally completed, the message 'ADC Component1 Success' is displayed, or if not, the message 'ADC Component1 1080P Fail' is displayed. After adjusting the Component1 is completed, it is automatically switched to the RGB-DTV mode, and the RGB adjustment starts. If adjusting is normally completed, the message 'ADC RGB 1080P Success' is displayed.
- 4) When the adjustment is not normally completed, check the pattern or the adjustment condition, and then adjust it again. The error message is same to (4)) of (1)
- 5) After adjustment is complete, exit the adjustment mode by pressing the ADJ KEY.
(MSPG-925FA : -> model : 225, pattern : 65)



- 4) When the automatic adjustment starts, the main screen is adjusted, and if adjusting is completed, the message 'RF-PAL Configuration Success' is displayed. If adjusting is failed, the message 'RF-PAL Configuration Fail' is displayed.
- 5) When the automatic adjustment of the RF signal is completed, it is automatically switched to AV1 Mode and the automatic adjustment is performed to the AV-PAL. When the automatic adjustment is completed, the message 'AV-PAL Configuration Success' is displayed. If the adjustment is failed, the message 'AV-PAL Configuration Fail' is displayed.

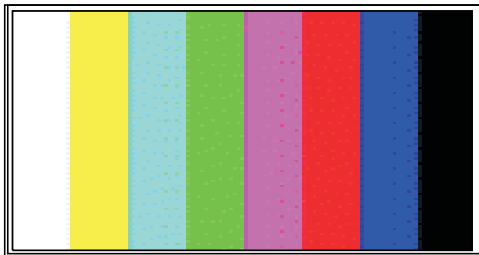
5. Video Set Adjustment

It is the adjustment to reduce the color difference of the RF and the video signal, which adjusts Analog RF, AV-PAL, and AV-NTSC.

5-1. Adjustment method

(1) Analog RF and AV-PAL adjustment method.

- 1) Connect the Video Signal Generator (Master) to the AV input of the TV via the AV output. At this time, when entering the input pattern with Model : 202(PAL) and Pattern : 33(100% color Bar), the following screen is displayed.



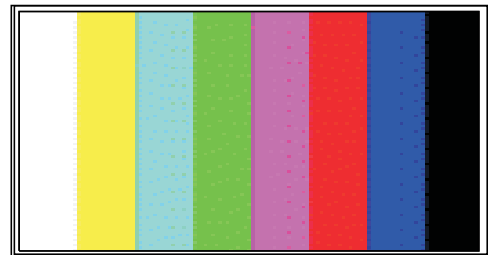
<Fig.3> Model : 202(PAL), Pattern : 33(100% Color Bar)

* It should be checked because the above pattern may be different according to the model and the pattern of the used equipment.

- 2) After entering the in-house signal, when it is checked that the signal is received, press the ADJ KEY of the adjusting R/C to enter into 'EZ-ADJUST' Select '3. Adjust RF and AV_PAL' and press the right arrow key (▶) to enter into the adjustment mode.
- 3) When it enters into the adjustment mode, the screen is automatically switched to TV 3CH and the following window is displayed.

(2) AV-NTSC adjustment method.

- 1) Connect the Video Signal Generator (Master) to the AV input of the TV via the AV output. At this time, when entering the input pattern with Model : 201(NTSC) and Pattern : 33(100% color Bar), the following screen is displayed.



<Fig.4> Model : 201(NTSC), Pattern : 33(100% Color Bar)

* It should be checked because the above pattern may be different according to the model and the pattern of the used equipment.

- 2) Press the ADJ KEY of the adjusting R/C to enter into 'EZ-ADJUST' Select '4. Adjust AV_NTSC' and press the right arrow key (▶) to enter into the adjustment mode.
- 3) When the automatic adjustment is completed, the message 'AV-NTSC Configuration Success' is displayed. If the adjustment is failed, the message 'AV-NTSC Configuration Fail' is displayed.

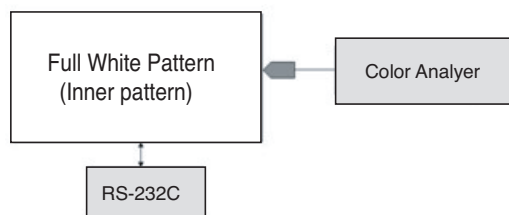
6. Adjustment of White Balance

6-1. Required Equipment

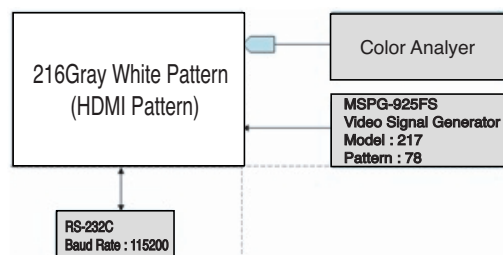
- 1) Color Analyzer : CA-100(CH 10)
- 2) When adjusting the PLASMA color temperature, the No. 10 channel with the matrix compensated (White, Red, Green and Blue compensated) should be used for the CS-1000 as Color analyzer (CA-100), which should be adjusted based on the white balance adjustment coordinate as described below.
- 2) Automatic adjuster (necessary for the automatic adjustment, possible to communicate via the RS-232C)
- 3) Video Signal Generator MSPG-925F 720p, 216Gray(Model : 217, Pattern : 78)

6-2 Measuring device connection diagram

(for automatic adjustment)



<Fig. 5> Connection diagram for internal pattern



<Fig. 6> Connection diagram for HDMI input

6-3 White Balance adjustment method

Basically it uses the internal pattern but when internal pattern is not possible, you can select HDMI input for adjustment. Through the option at the most bottom part of the Ez Adjust Menu 7.White Balance menu, you can select NONE, INNER and HDMI, and the default is set to INNER. When the adjustment cannot be done with the internal pattern, you can select HDMI input for adjustment.

For manual adjustment, press the ADJ KEY of the adjustment R/C to enter Ez Adjust 7.White-Balance, and the pattern is automatically displayed. (When you set the Option to INNER, the default is always set to INNER)

- 1) Connect the set according to the internal pattern or HDMI input in accordance with 7-3 measuring device connection diagram.
- 2) Set the Baud Rate of RS-232C to 115200. It is set to 115200 as default.
- 3) Connect the RS-232C Cable to the set.
- 4) Connect the HDMI Cable to the set. (Limited to the set with HDMI option)
- 5) Select and adjust the model applicable to PB75A chassis from the adjuster.

Caution) For automatic adjustment, RS-232C Command and Chassis are commonly applied

RS-232C Command [CMD ID DATA]			Remark
wb	00	00	Start white balance adjustment
wb	00	10	Start Gain adjustment(Internal white pattern)
wb	00	1f	End Gain adjustment
wb	00	20	Start Offset adjustment (Internal white pattern)
wb	00	2f	End Offset adjustment
wb	00	ff	End white Balance adjustment (Internal pattern disappear)

- Wb 00 00 Start automatic adjustment of white balance
- Wb 00 10 Start gain adjustment (Internal pattern)
- Ja 00 ff Adjustment data
- Jb 00 c0
- ...
- Wb 00 1f End gain adjustment
- * Adjust offset as necessary (wb 00 20(Start), wb 00 2f(End))
- Wb 00 ff End automatic adjustment of white balance (Internal pattern disappears)

Caution) Adjustment map

	RS-232C COMMAND [CMD ID DATA]			Min	CENTER (DEFAULT)			Max
	Cool	Mid	Warm		Cool	Mid	Warm	
R Gain	jg	ja	jd	00	192	192	192	192
G Gain	jh	jb	je	00	192	192	192	192
B Gain	ji	jc	jf	00	192	192	192	192
R Cut					64	64	64	127
G Cut					64	64	64	127
B Cut					64	64	64	127

- * White Balance adjustment (For automatic adjustment)
- Execute Power Only Key of the adjustment R/C to execute automatic adjustment. Set the Baud Rate to 115200.
- Always start adjustment with "wb 00 00" and end adjustment with "wb 00 ff"
- Adjust the offset if necessary.

6-4. Adjustment of White Balance

(For manual adjustment)

- Required Equipment : When adjusting the PLASMA color temperature, the No. 10 channel with the matrix compensated (White, Red, Green and Blue compensated) should be used for the CS-1000 as Color analyzer (CA-100), which should be adjusted based on the white balance adjustment coordinate as described below.

- (1) Enter to 'EZ-ADJUST' by pressing ADJ key of R/C.
- (2) HEAT RUN at least 30 minutes by pressing the '11. TEST Pattern' on the Service Remote Control and adjust.
- (3) Set CA-100 in Zero Calibration, when adjust PDP module make it contacting completely in the surface.
- (4) Select '6. White-Balance' of 'Ez - Adjust' by pressing the ADJ KEY on the Service R/C. Then enter adjustment mode by pressing the Right KEY (▶). This time white pattern is displayed. (When press ▶key, the screen enters to Full White internal pattern.)
- (5) The adjustment completes in three color temperatures as Cool, Medium, and Warm.
- (6) When R GAIN is fixed at 192:
keep G GAIN and B GAIN less than 192 and find proper values for adjustment.
When G GAIN is fixed at 192:
keep R GAIN and B GAIN less than 192 and find proper values for adjustment.
When B GAIN is fixed at 192:
keep R GAIN and G GAIN less than 192 and find proper values for adjustment.
- (7) Adjust using Volume +/- KEY.
- (8) When the adjustment is completed, press the OK (■ KEY) button to move to the Ez -Adjust screen. Press the ADJ KEY to exit the adjustment mode.

[Ref.] White Balance Adjustment Pixel and Color Temperature

- (1) Standard white balance standard white balance coordinate when using CS-1000 device:

Color temperature	Measuring instrument	Color coordinate	
		X	Y
COOL	11000K, $\Delta uv=0.000$	0.276	0.283
MEDIUM	9300K, $\Delta uv=0.000$	0.285	0.293
WARM	6500K, $\Delta uv=0.000$	0.313	0.329

- (2) Directed color coordinate when using CA-100 CH 10
Brightness: Full white 216gray

Color temperature	Color analyzer	Color coordinate	
		X	Y
COOL	CA-100	0.276±0.002	0.283±0.002
MEDIUM	CA-100	0.285±0.002	0.293±0.002
WARM	CA-100	0.313±0.002	0.329±0.002

- (3) Directed color coordinate when using CA-210 CH 10

Color temperature	Color analyzer	Color coordinate	
		X	Y
COOL	CA-210	0.276±0.002	0.283±0.002
MEDIUM	CA-210	0.285±0.002	0.293±0.002
WARM	CA-210	0.313±0.002	0.329±0.002

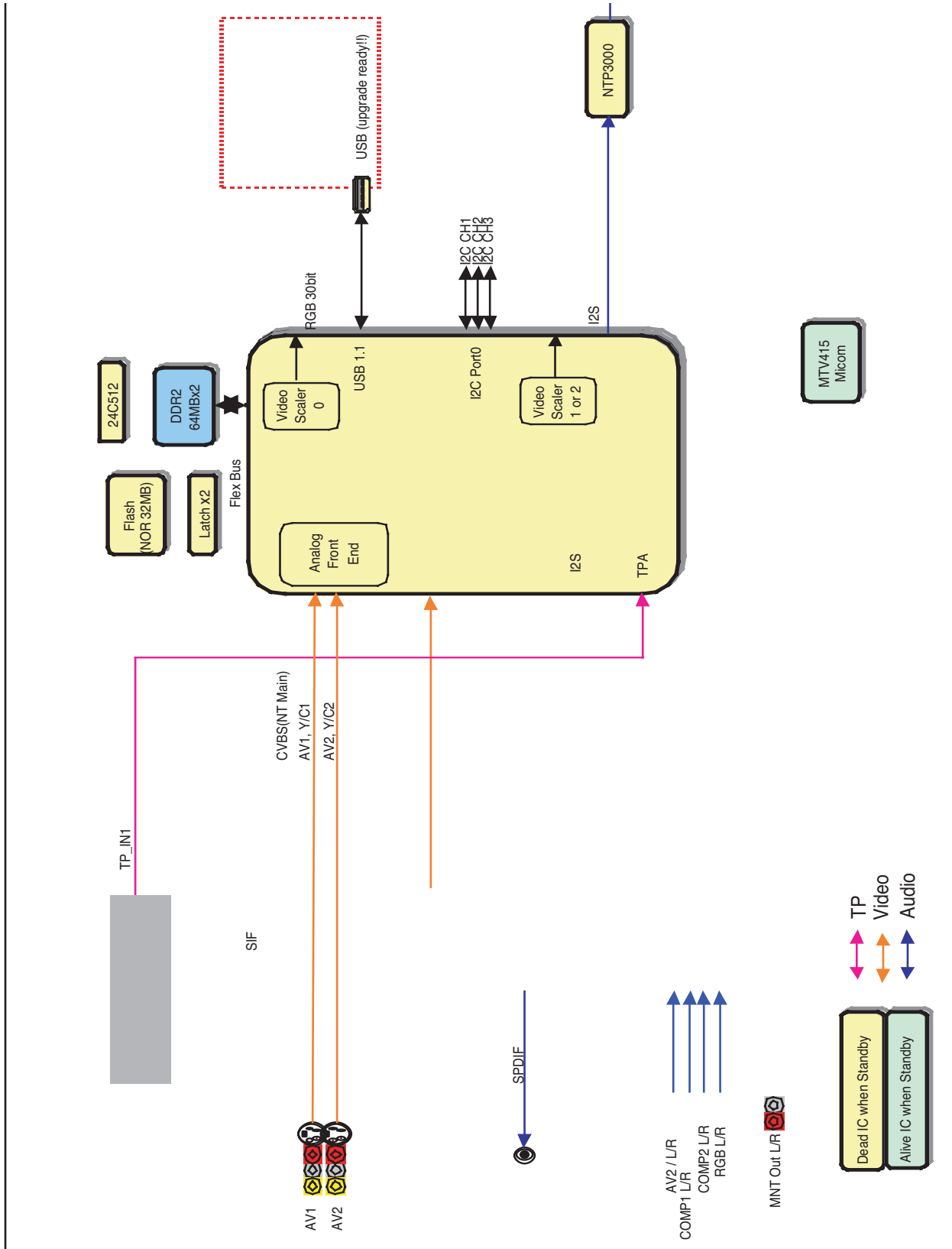
7. Check the adjustment of the plant shipping mode

No	Item		Condition	Remark
1	Input Mode		Digital	
2	Volume Level		30	
3	Mute		Off	
4	Aspect Ratio		16:9	
5	SET ID		1	
6	Picture	PSM	Dynamic	
		Color Temp.	Cool	
		Advanced	Cinema	Off
			Black level	Auto
7	Sound	SSM	Standard	
		AVL	Off	
		Balance	0	
		TV Speaker	On	
8	Time	Auto Clock	On	
		Manual Clock	--	
		Off Timer / On Timer	Off	
		Sleep Timer / Auto Off		
9	Option	Sub title	Off	
		Child Lock	Off	
		ARC	16:9	
		Demo	Off	
		ISM Method	Normal	
		Low Power	Off	
10	Channel Memory	Analog	C0, C5, C6, S11, C20, C35, C52, C68	
		Digital	C43	

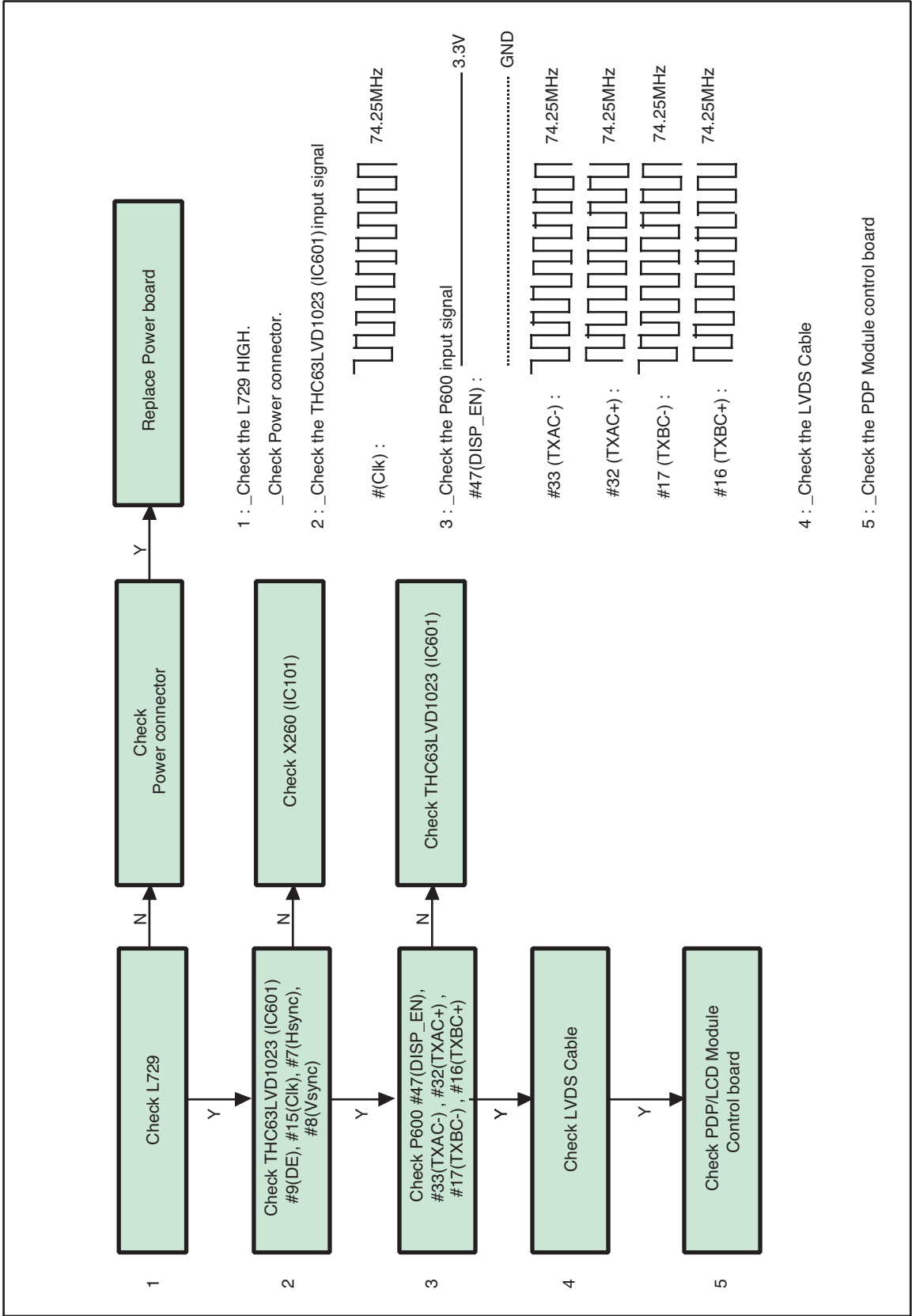
TROUBLE SHOOTING GUIDE

1. Video

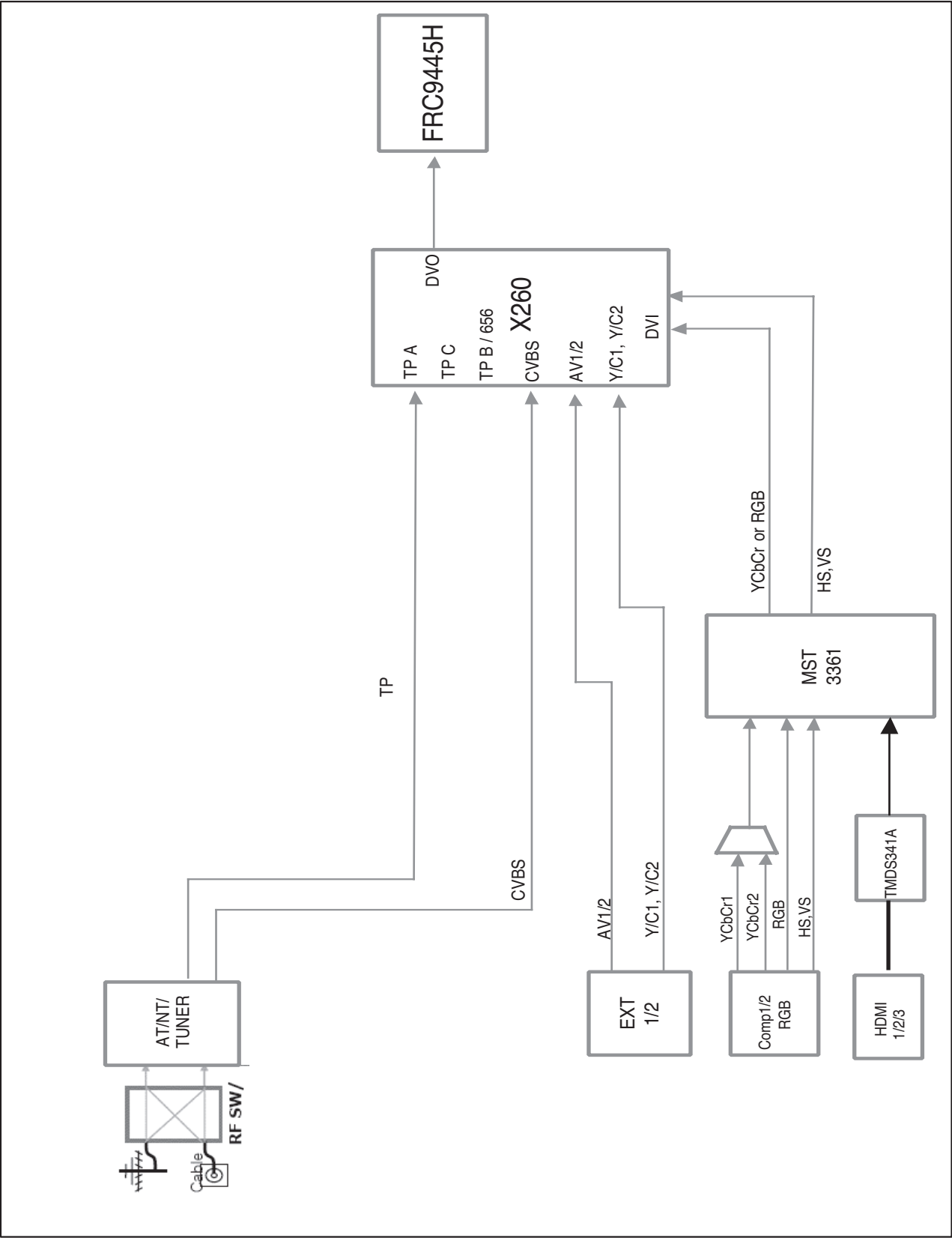
(1) NO OSD <FHD>



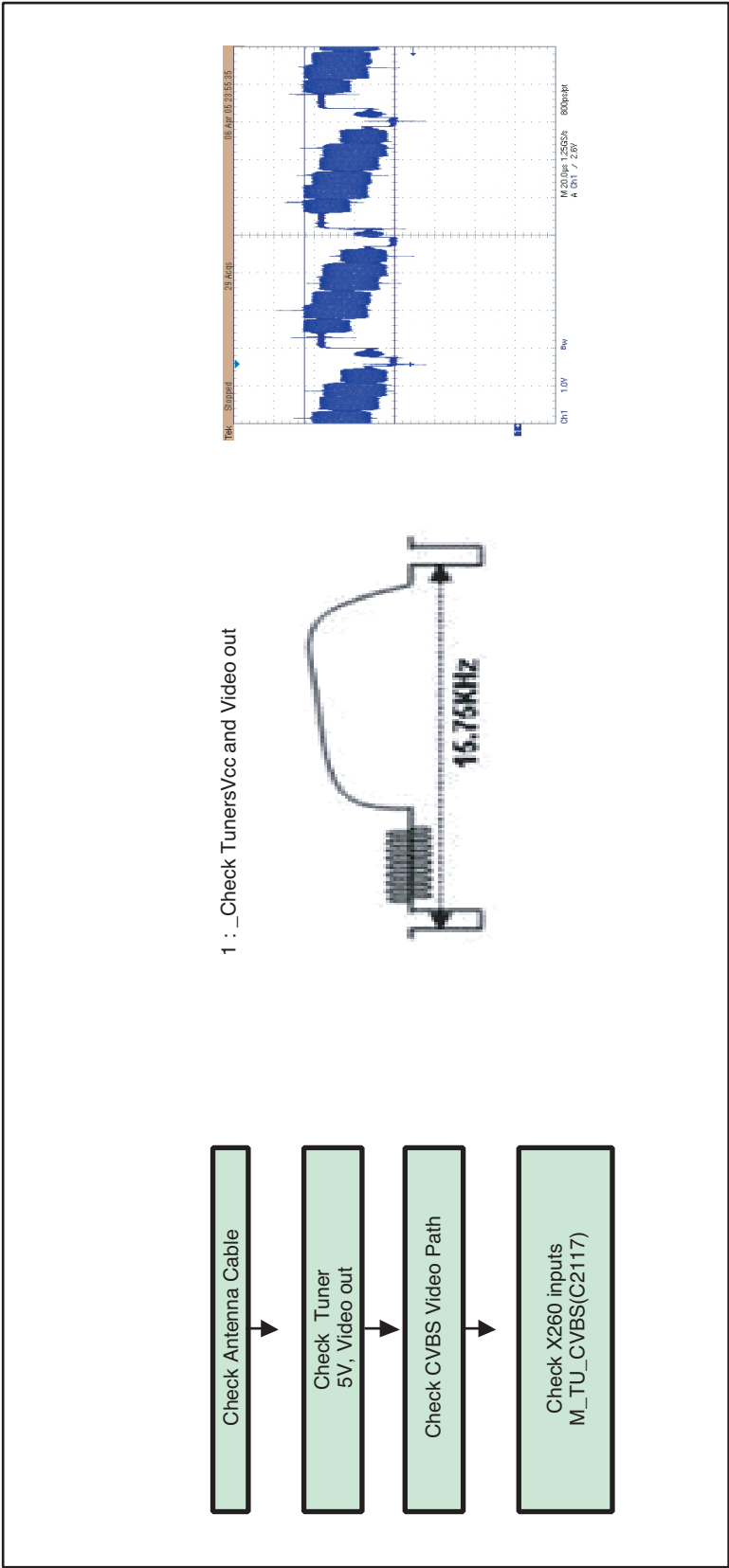
1. Video
(2)NO OSD <FHD>



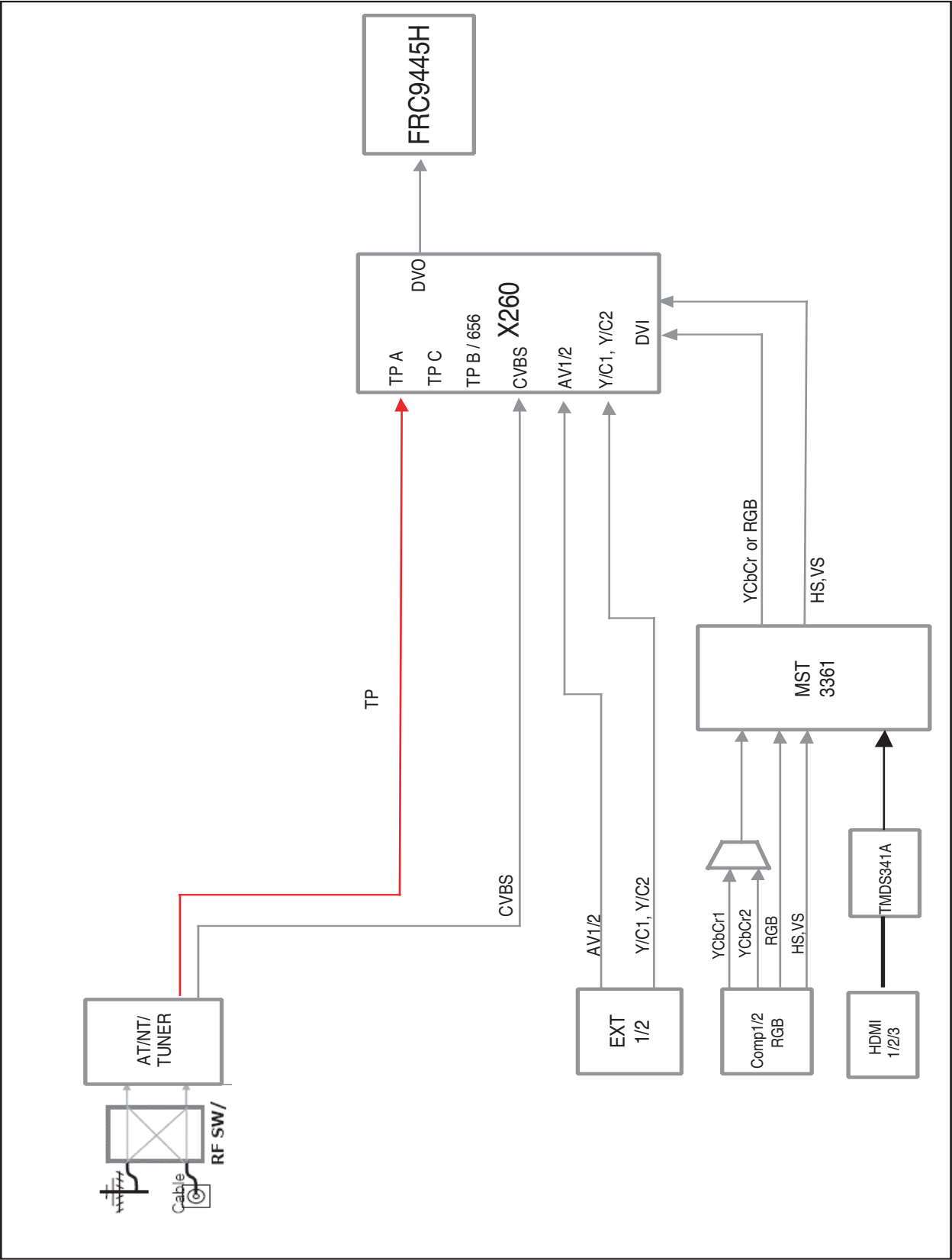
1. Video
(3)Video Path



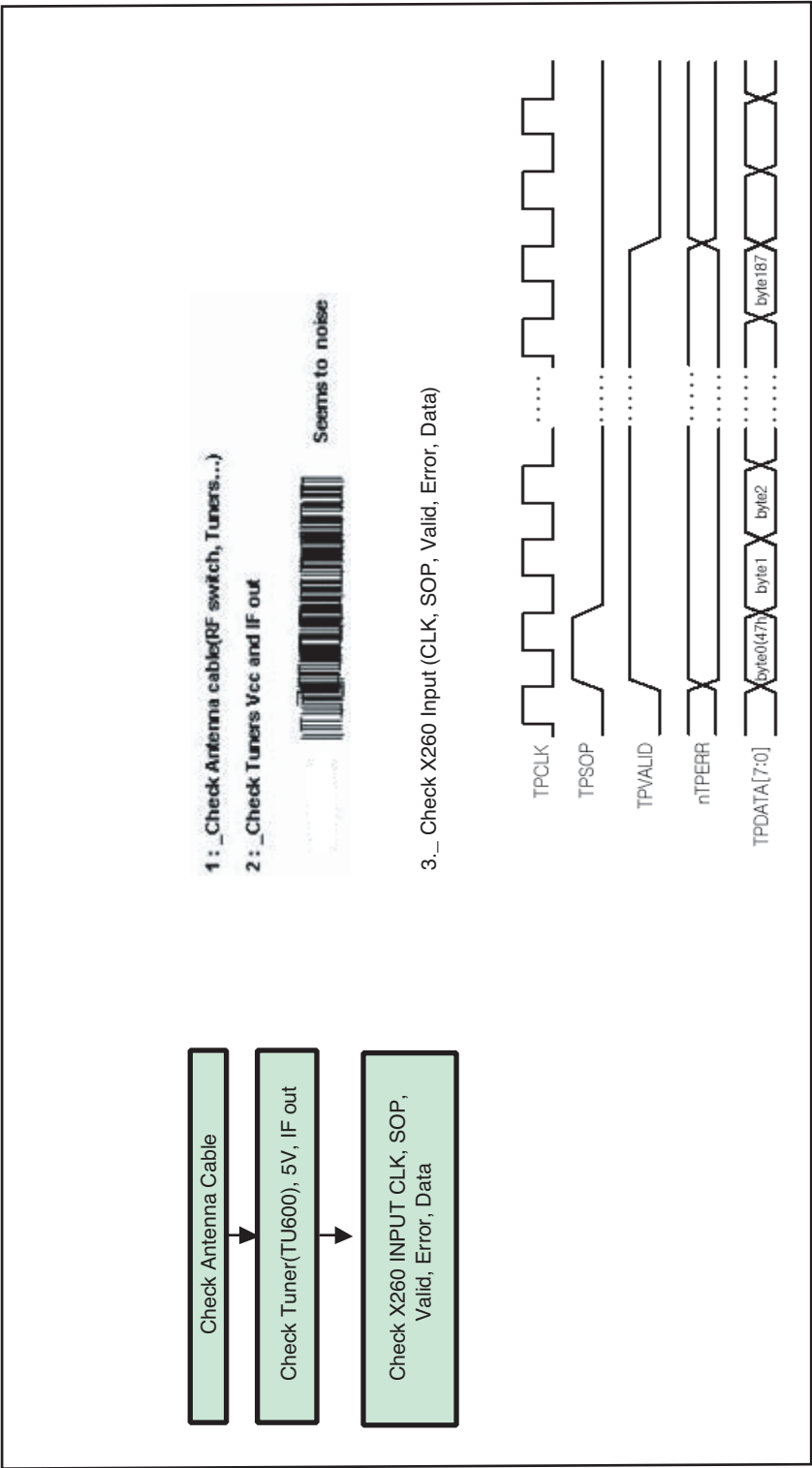
1. Video
(4)RF Mode



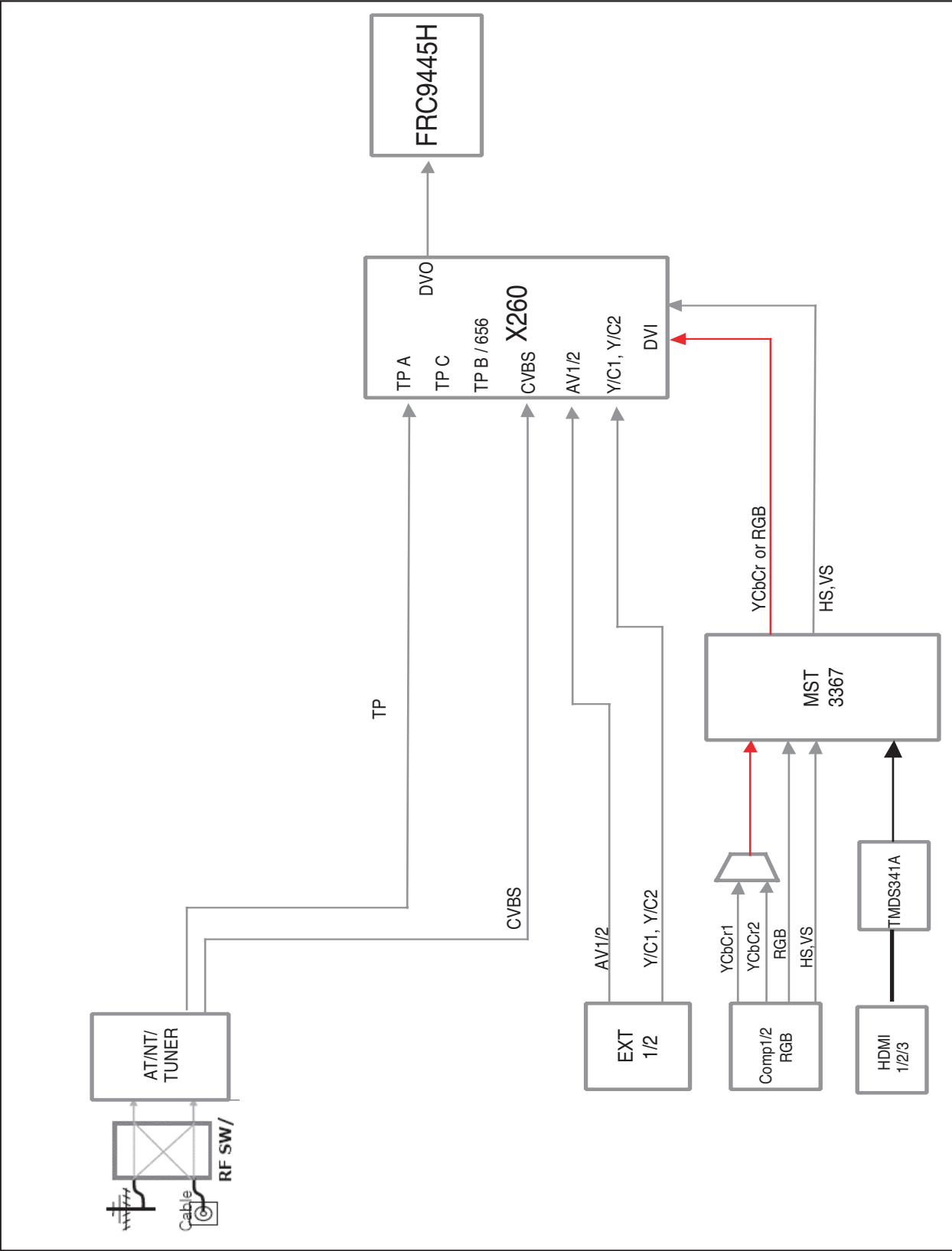
1. Video
(5) DTV/CAD TV



1. Video
(6) DTV

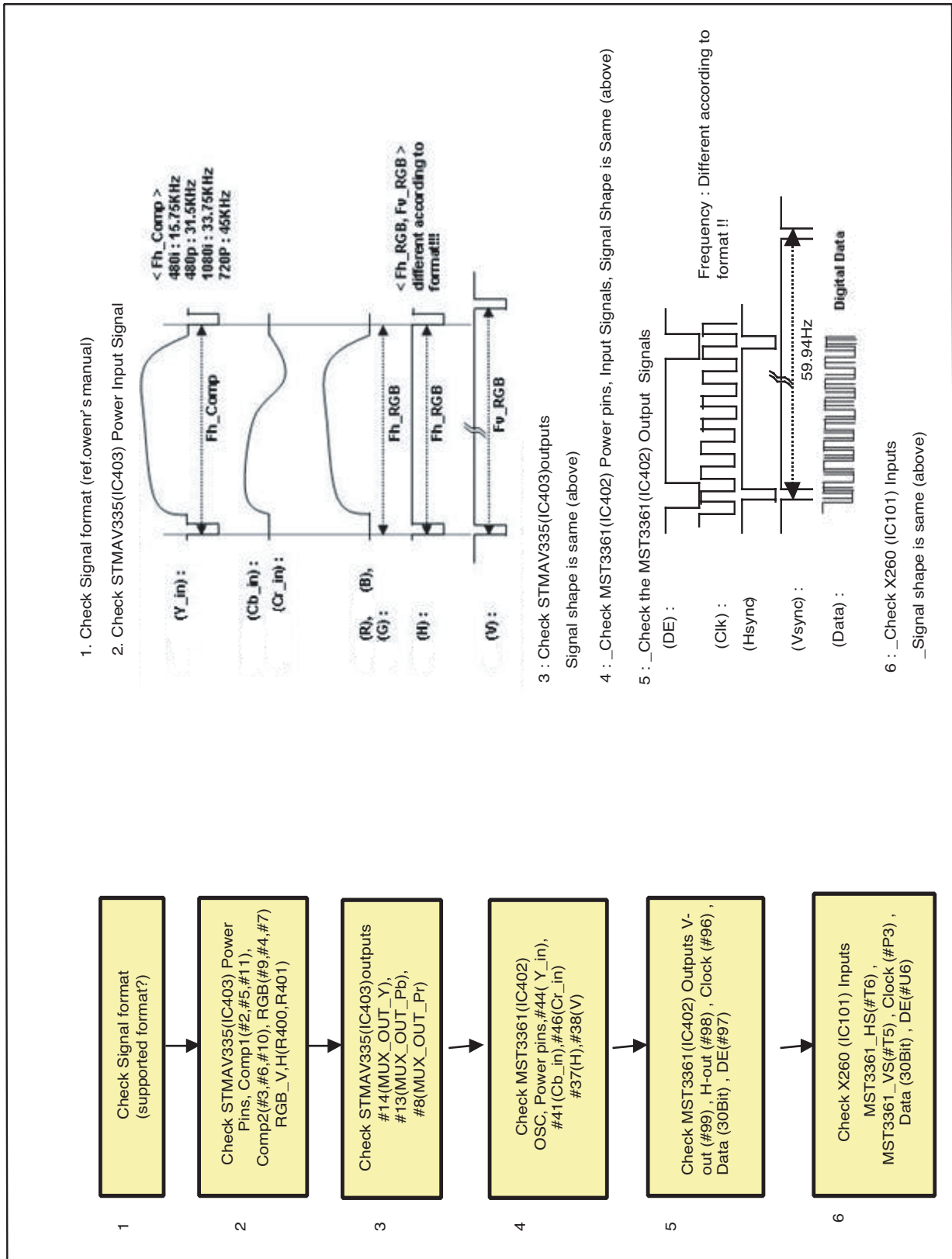


1. Video
(7) Component/RGB

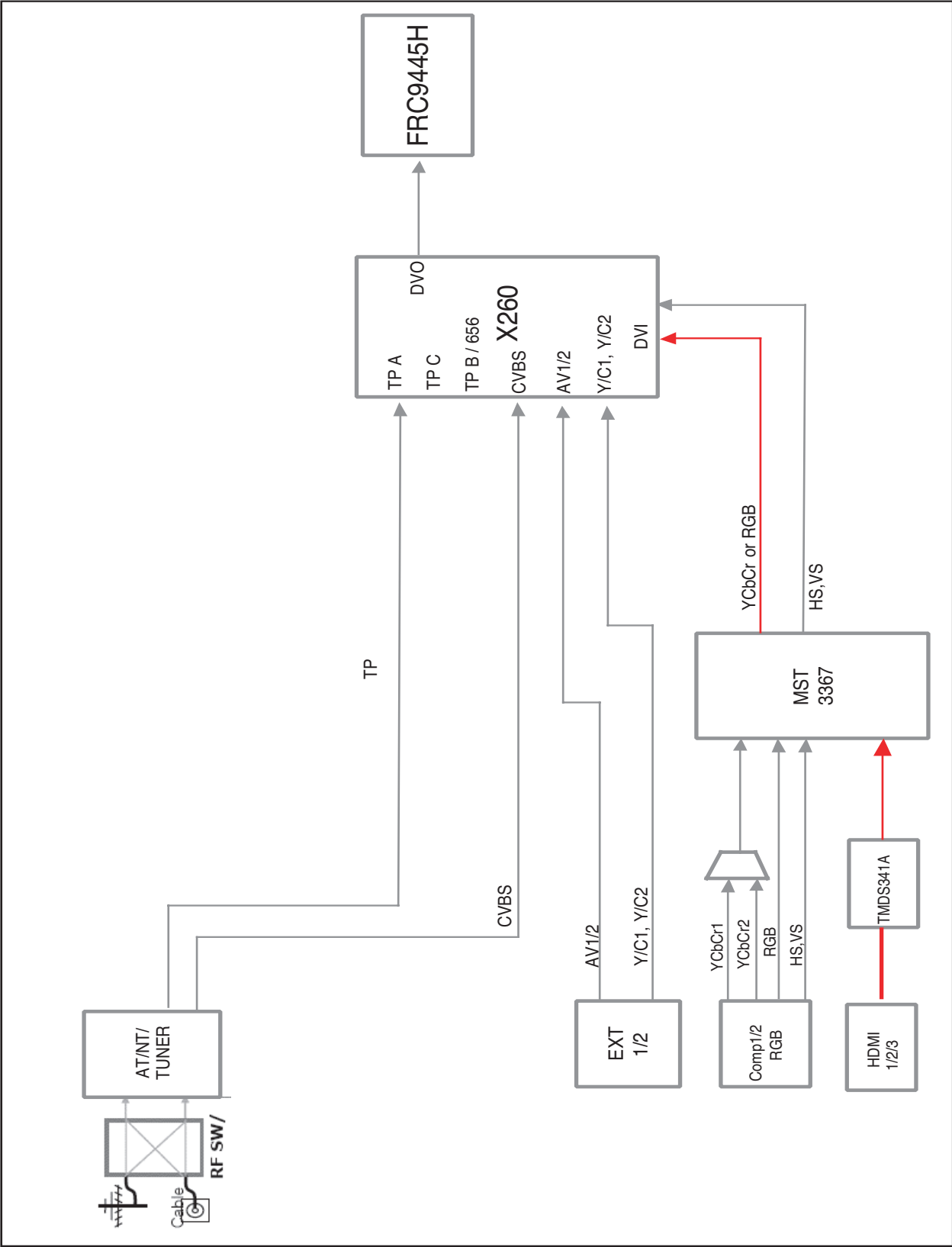


1. Video

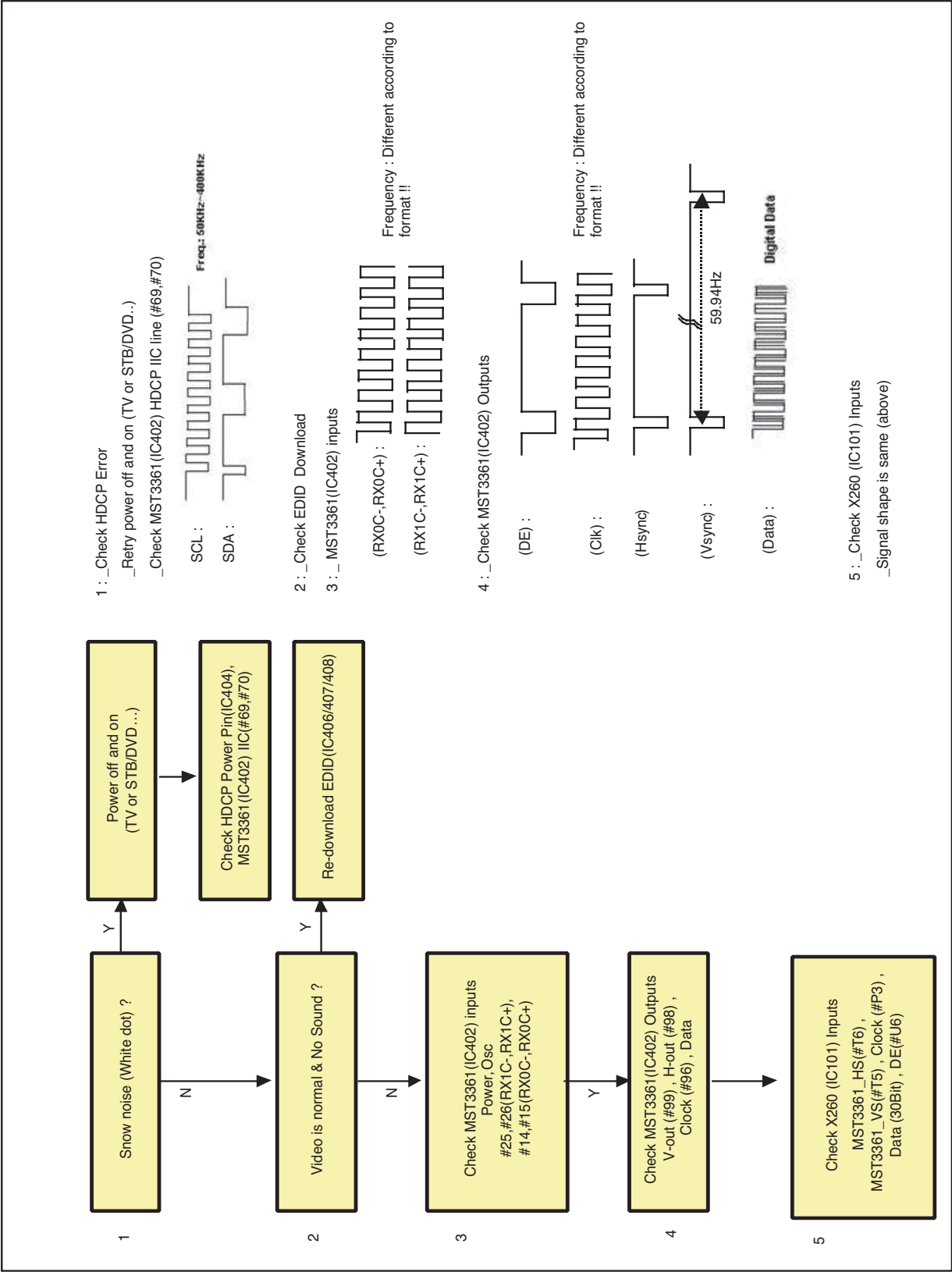
(8) Component/RGB



1. Video
(9) HDMI/DVI

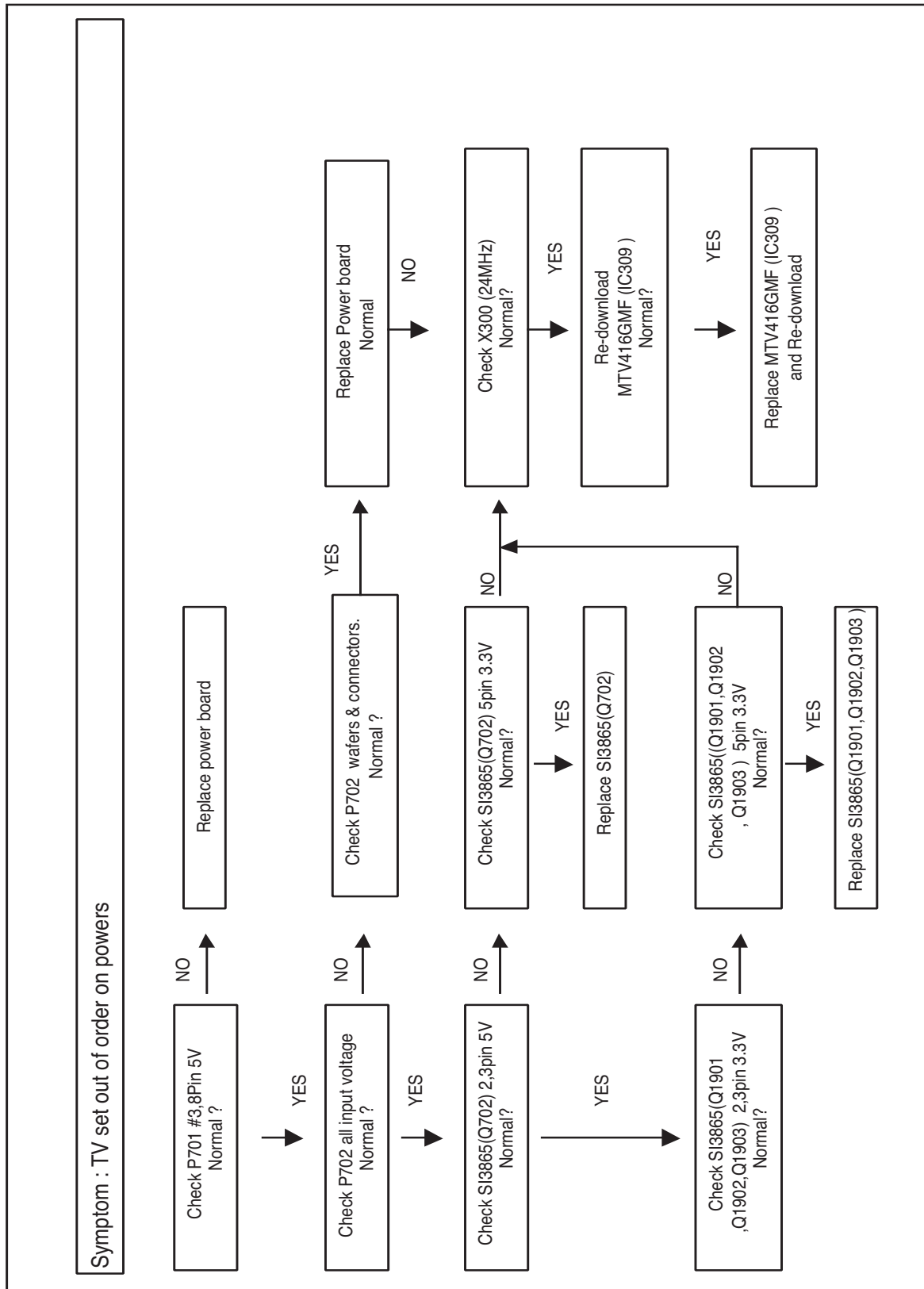


1. Video
(10) HDMI/DVI

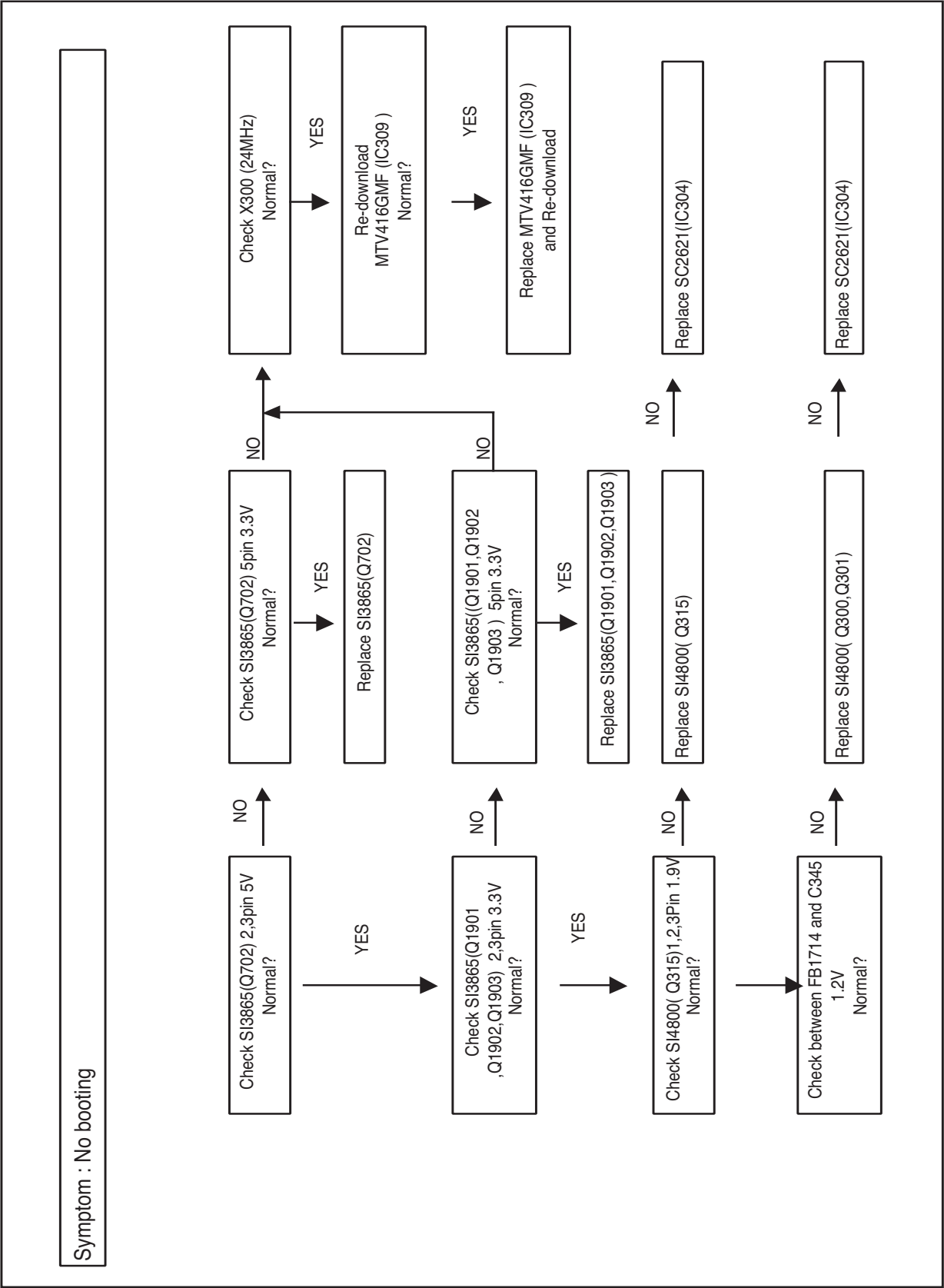


1. Video

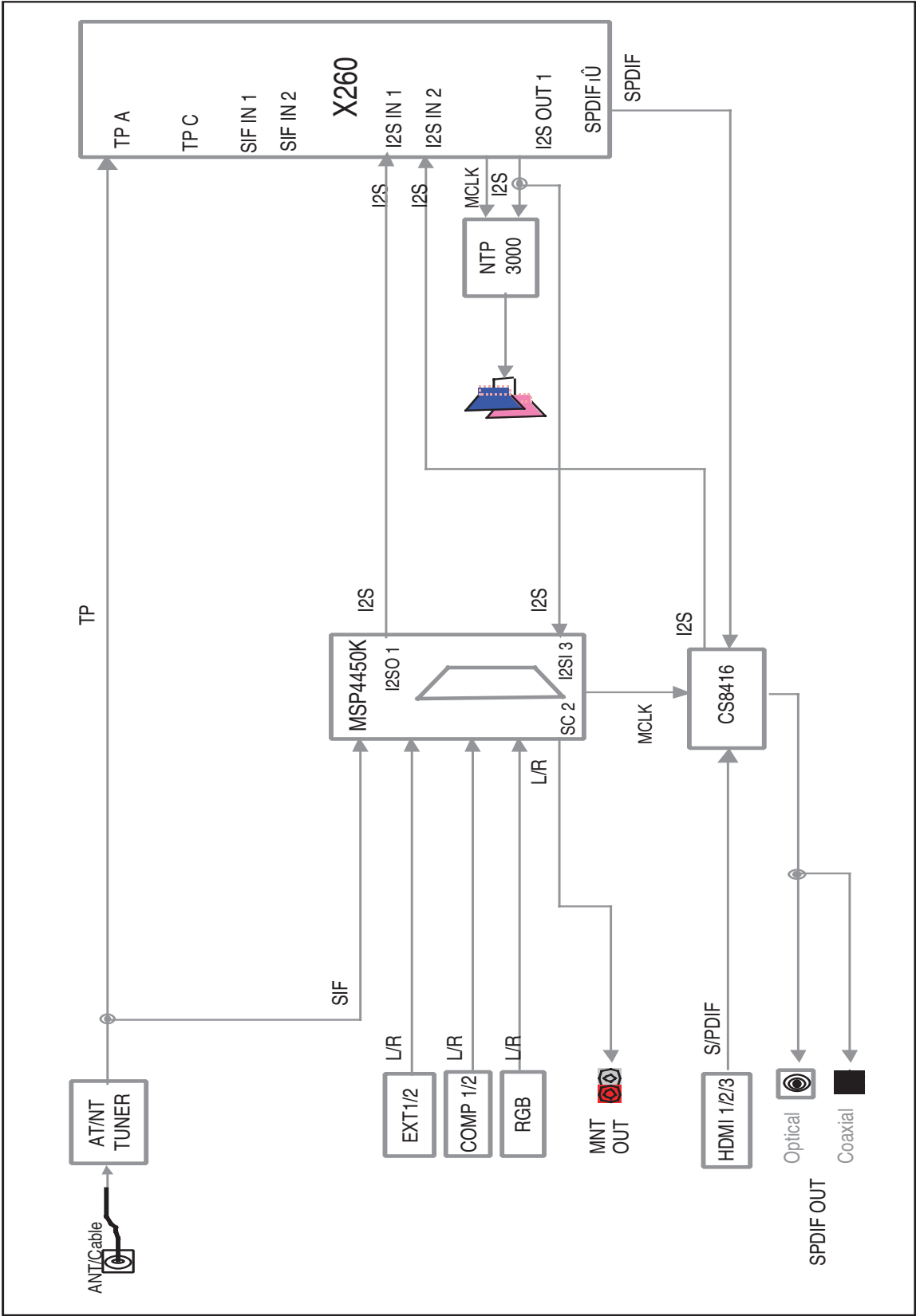
(11) POWER1



1. Video
(12) POWER2

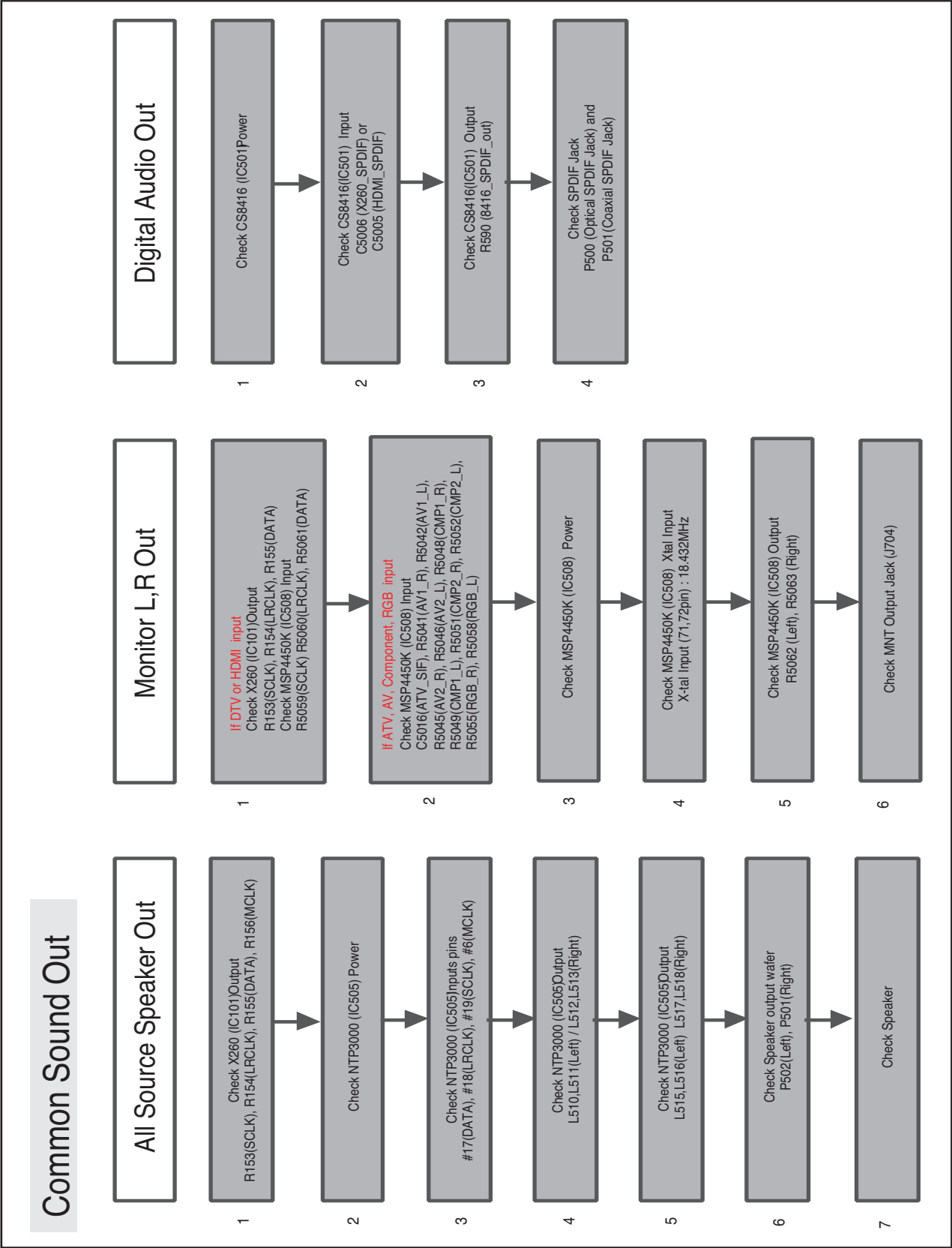


2. Audio
(1) All path



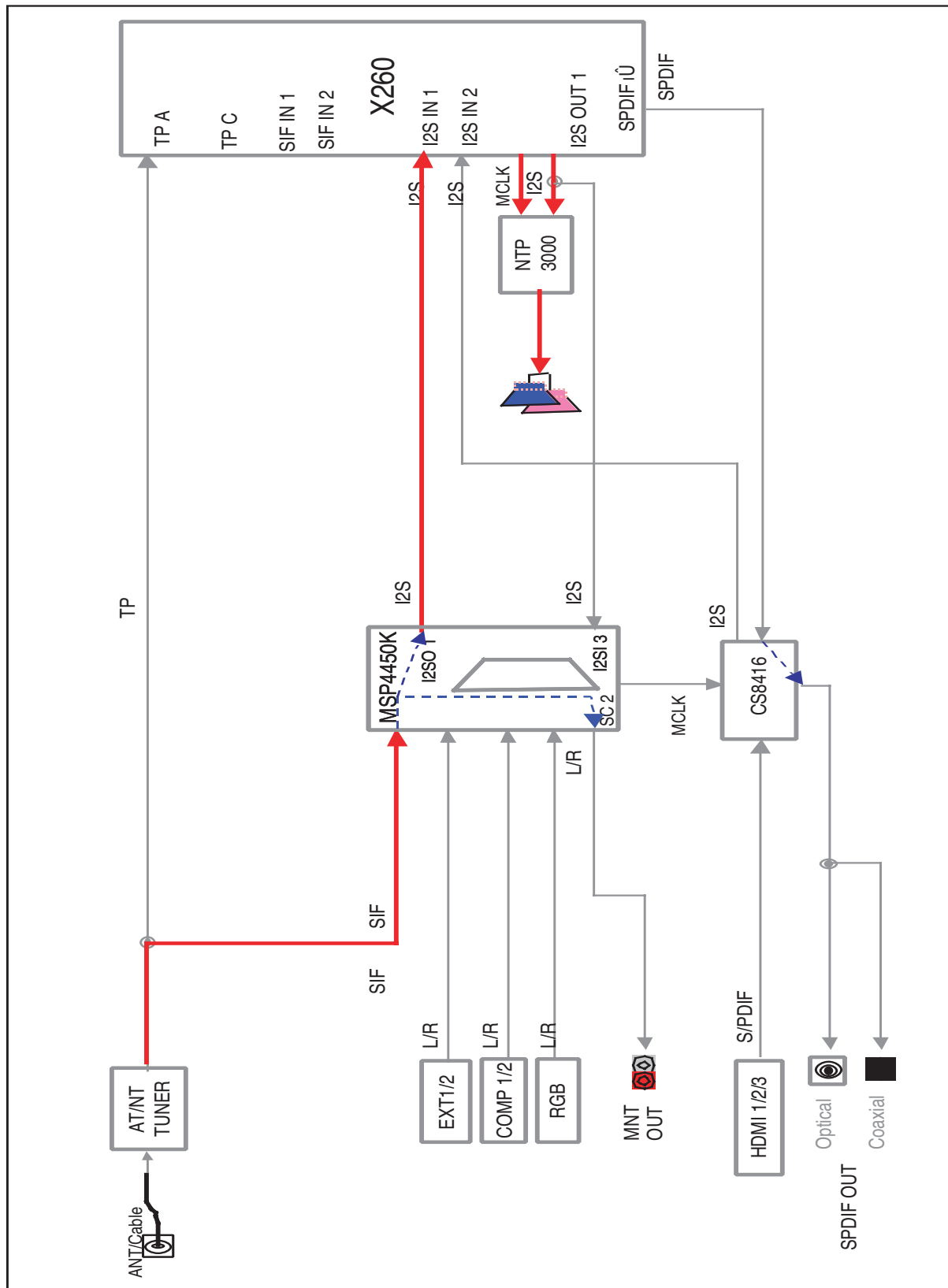
2. Audio

(2) Common Sound Out

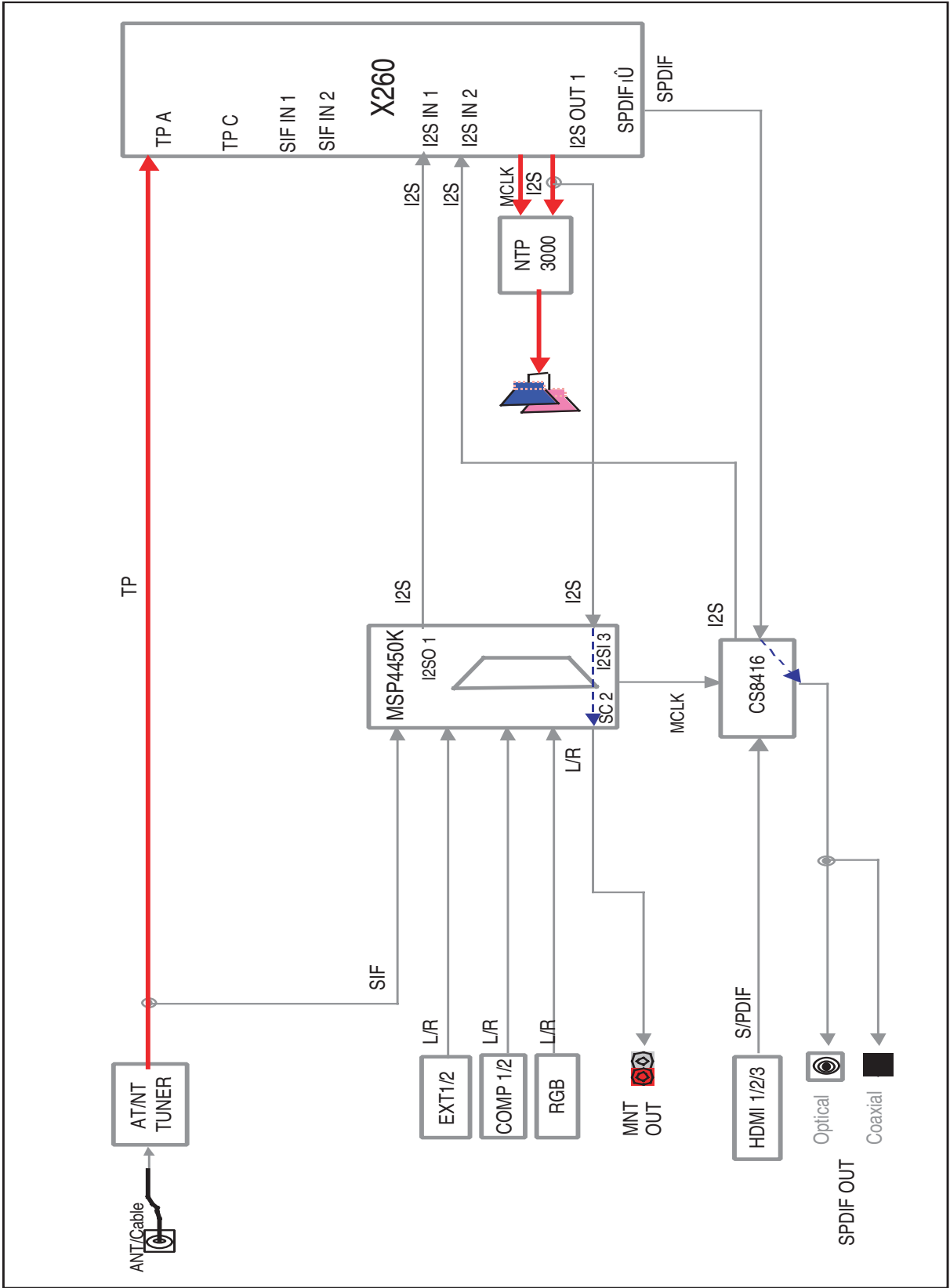


2. Audio

(3) TV RF No Sound

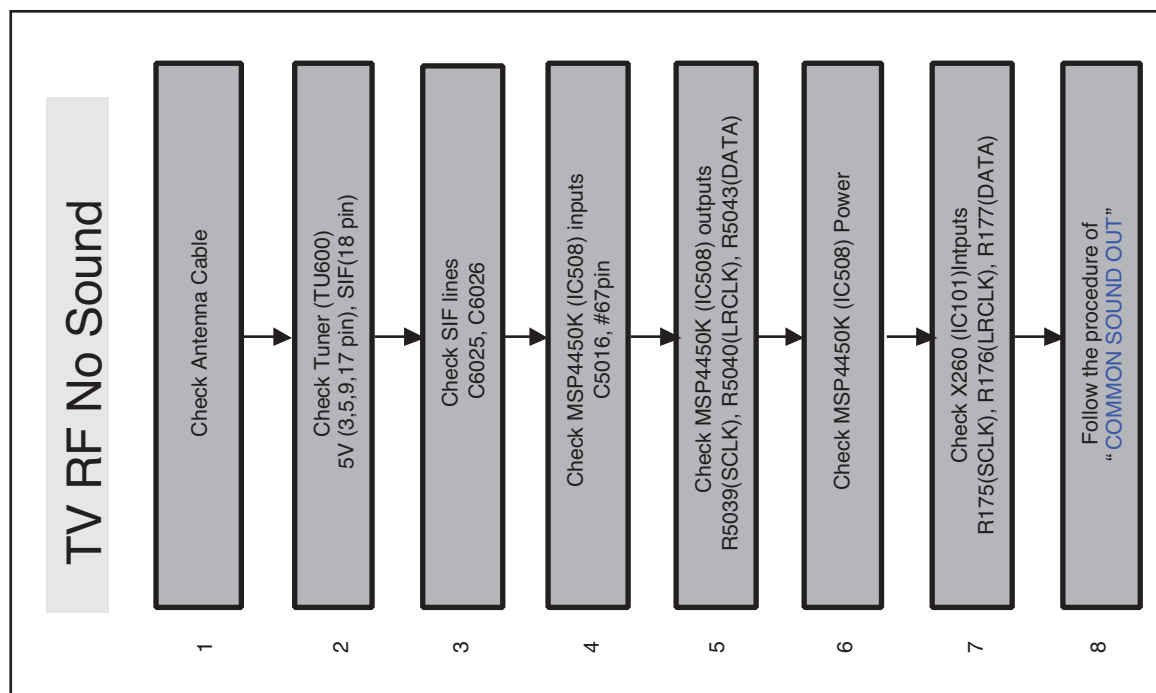
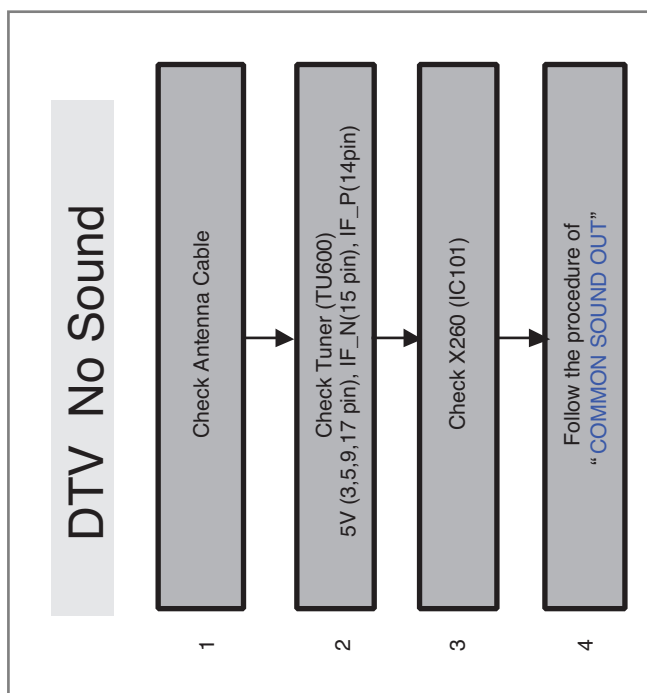


2. Audio
(4) DTV No Sound



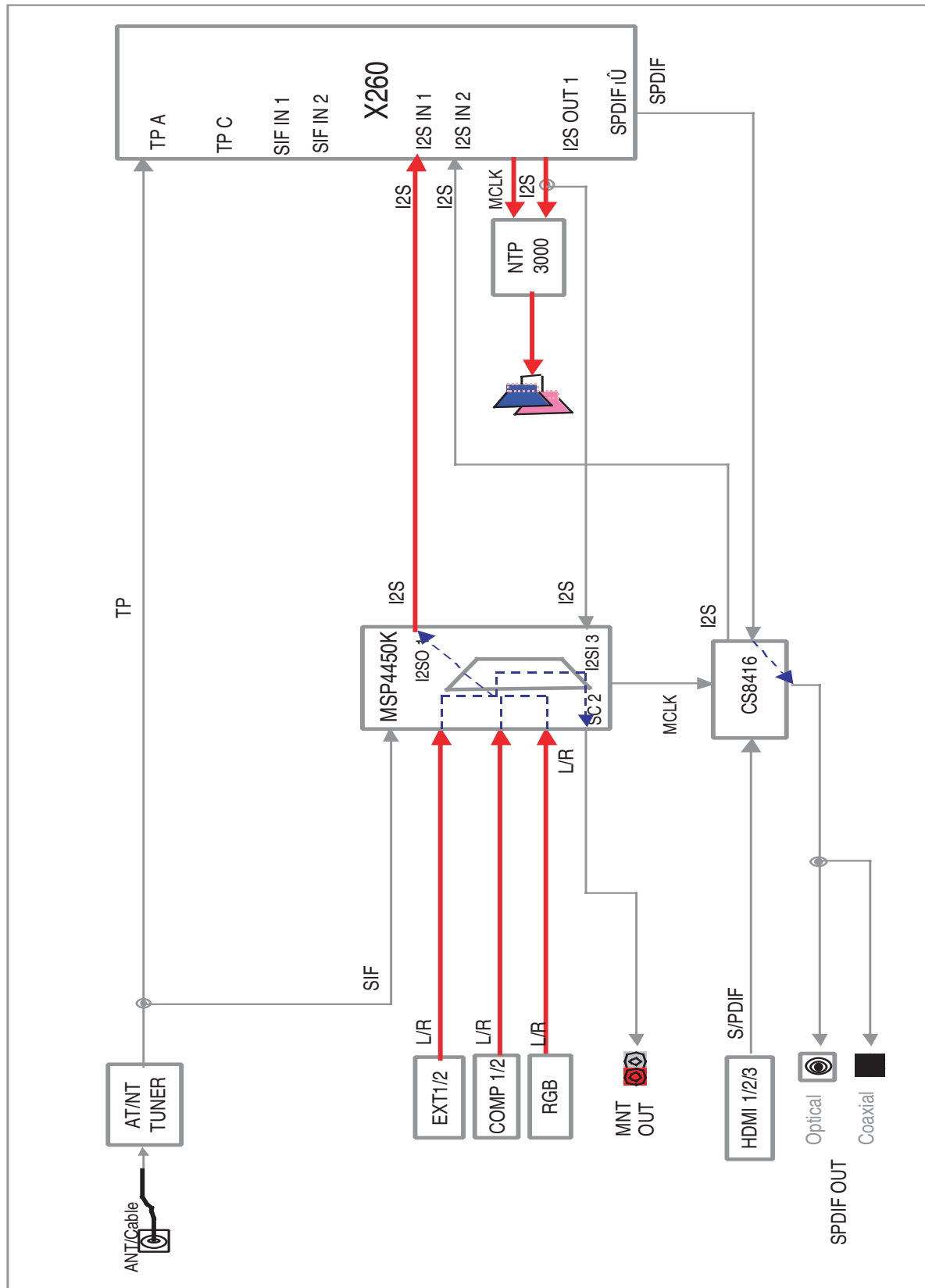
2. Audio

(5) TV RF No Sound / DTV No Sound



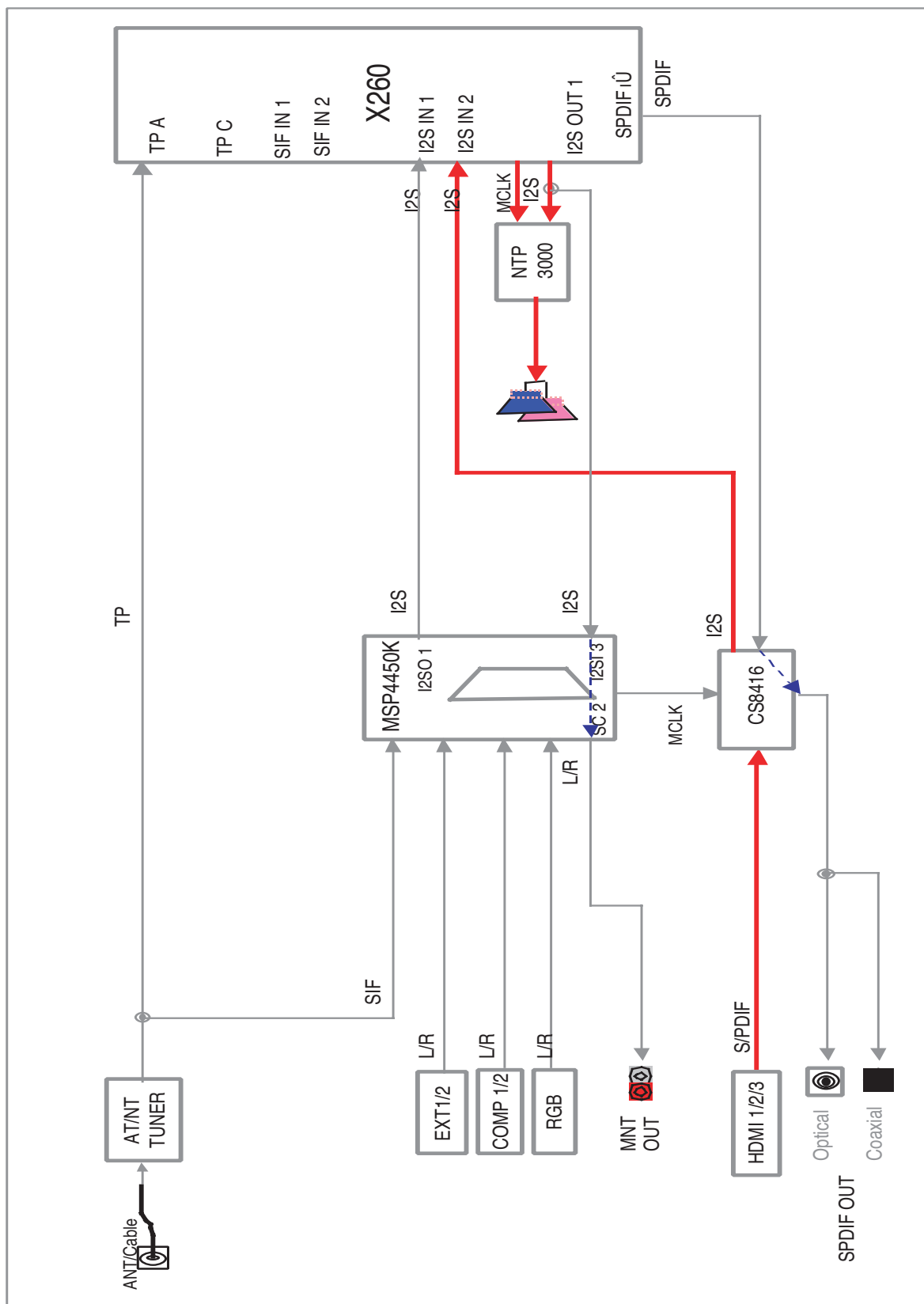
2. Audio

(6) AV/Component/RGB No Sound

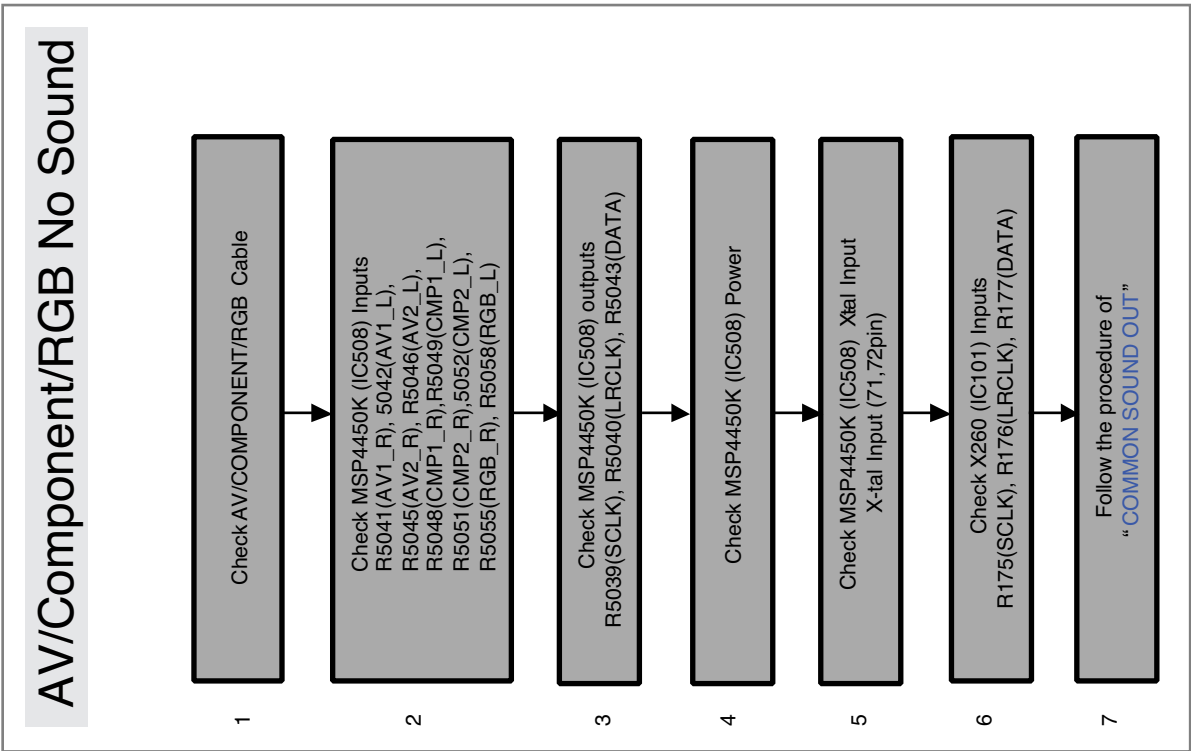
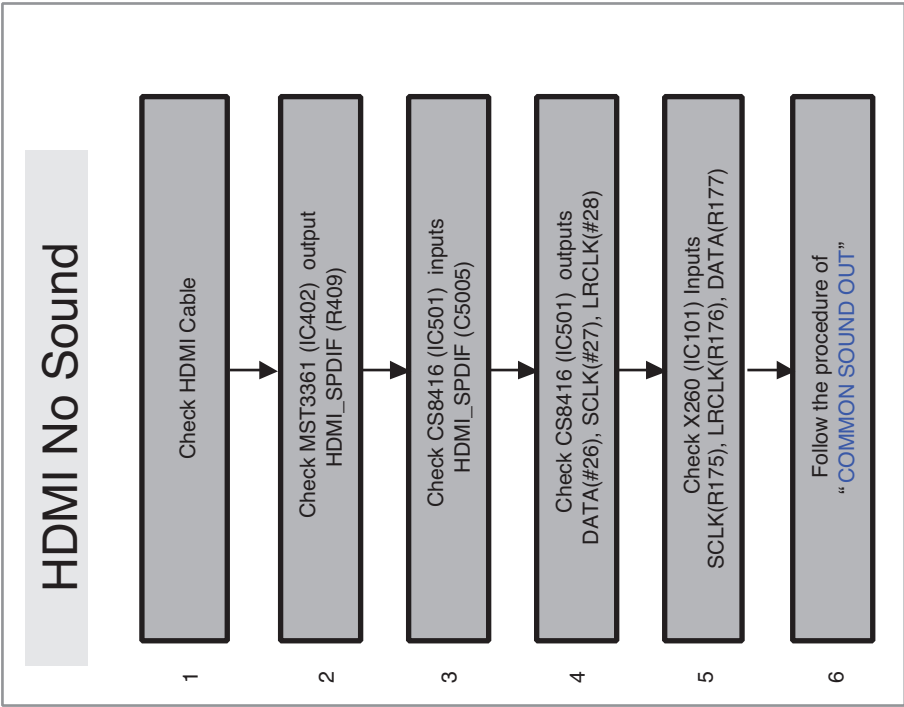


2. Audio

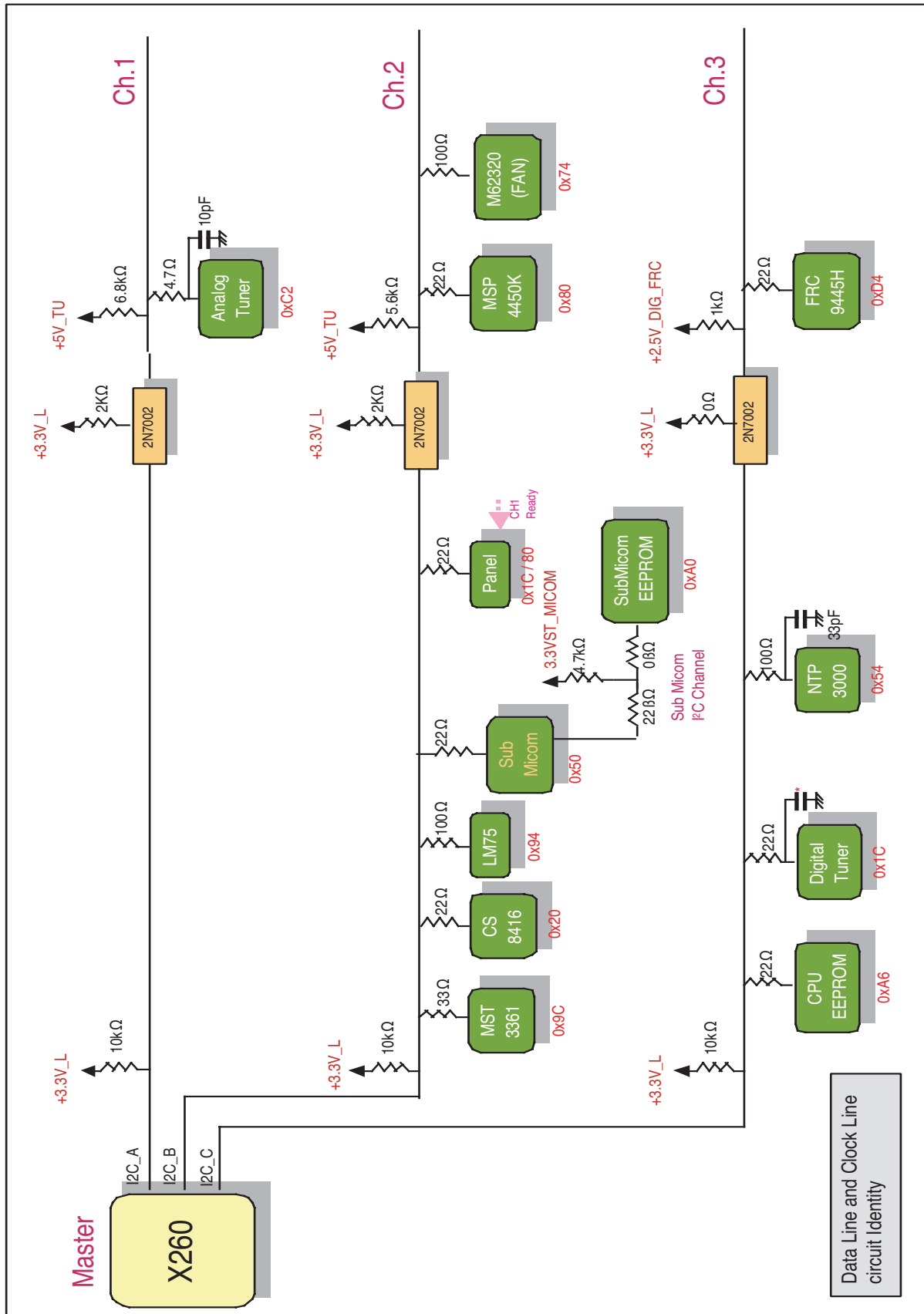
(7) HDMI No Sound

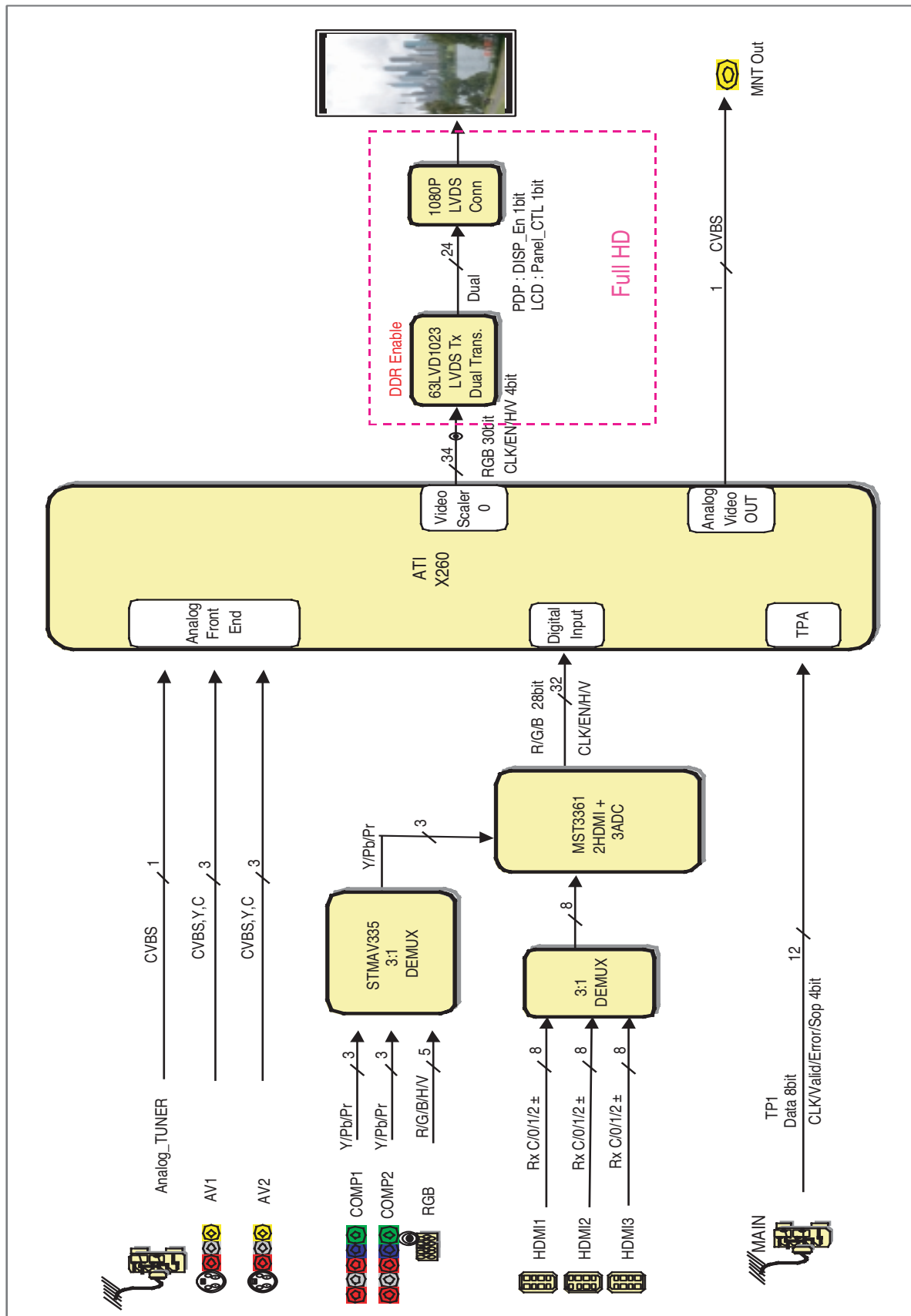


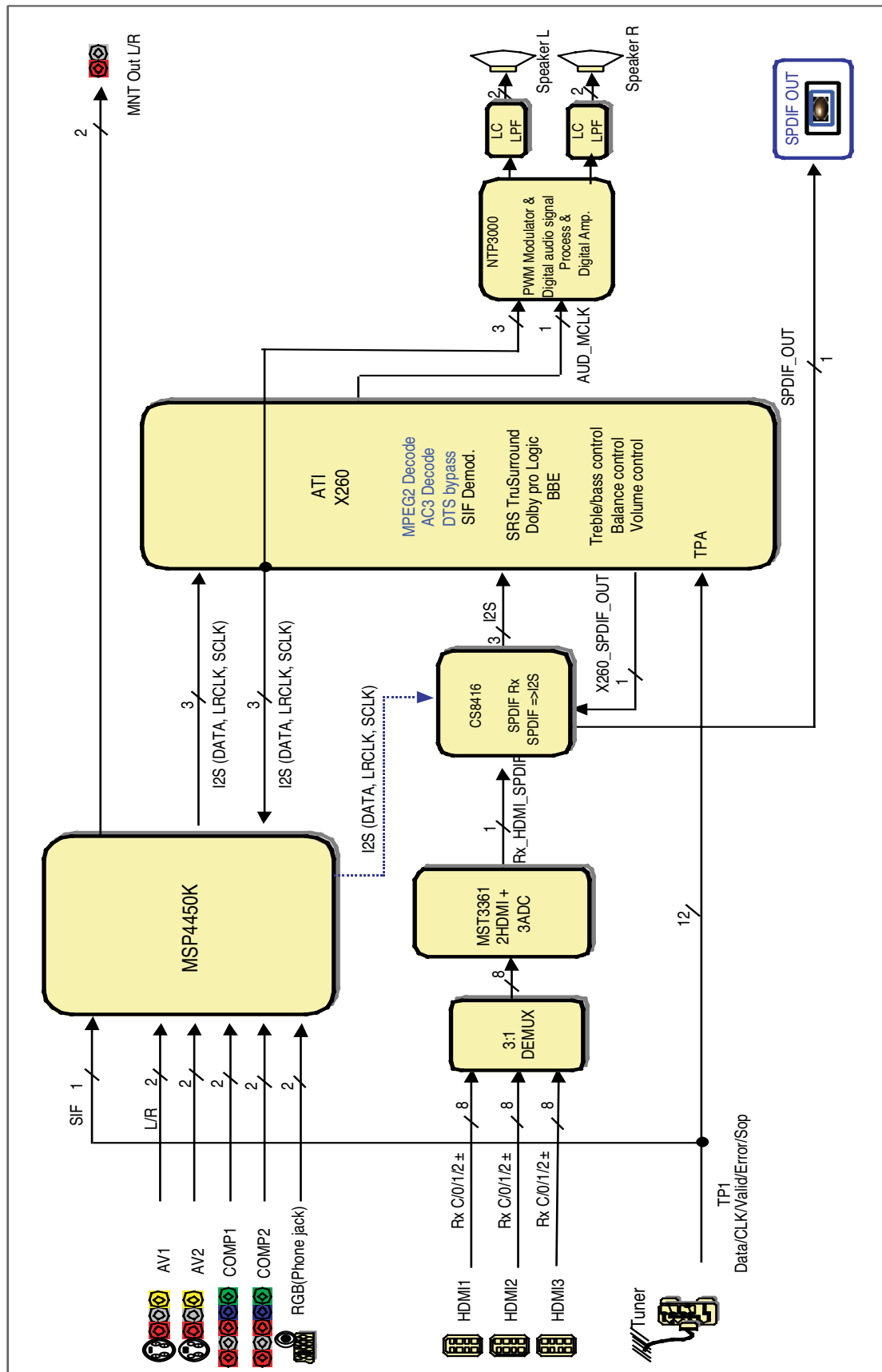
2. Audio
(8) AV/Component/RGB No Sound / HDMI No Sound

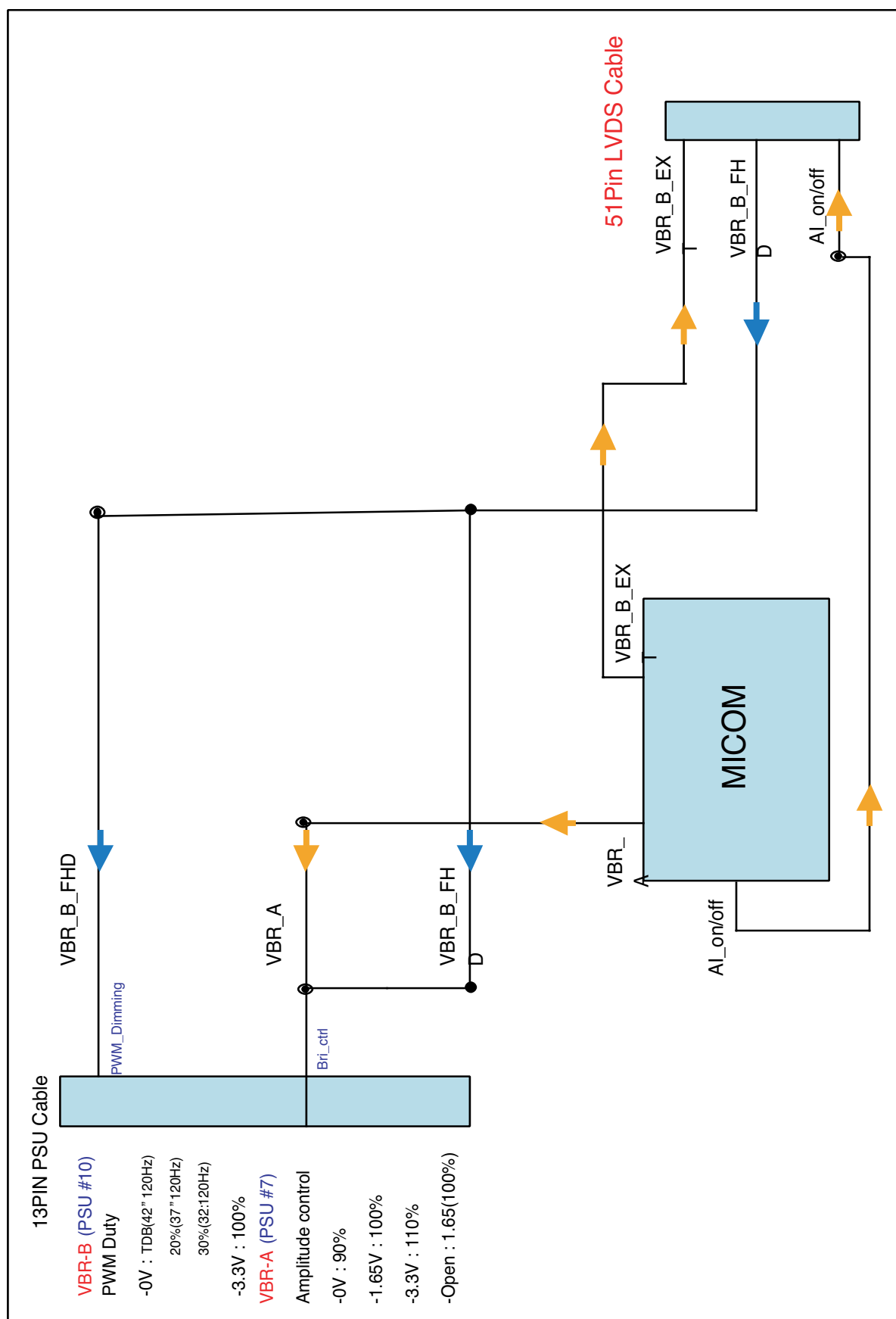


BLOCK DIAGRAM

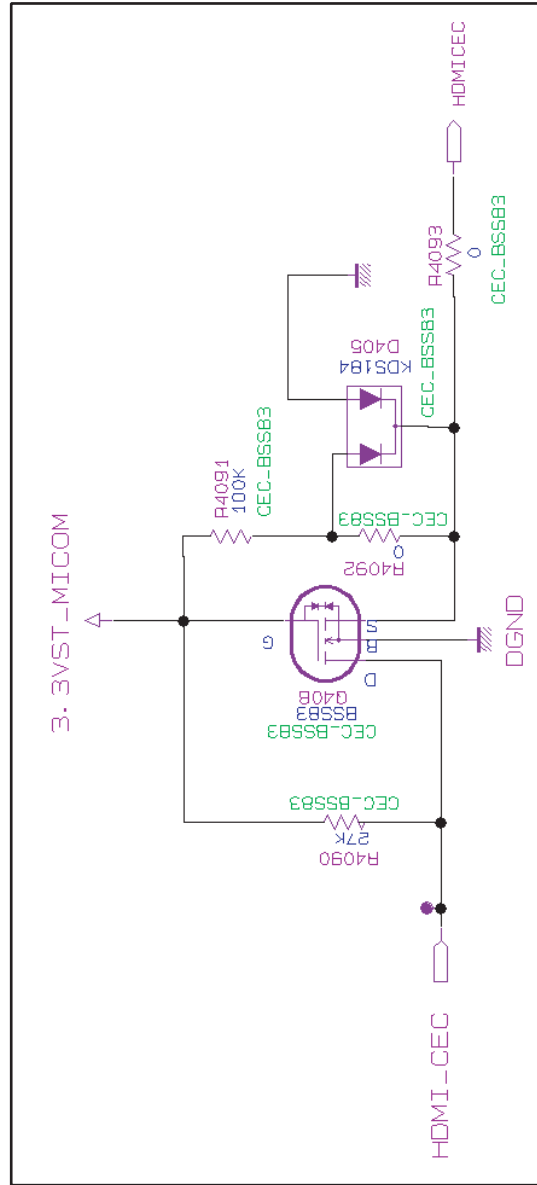
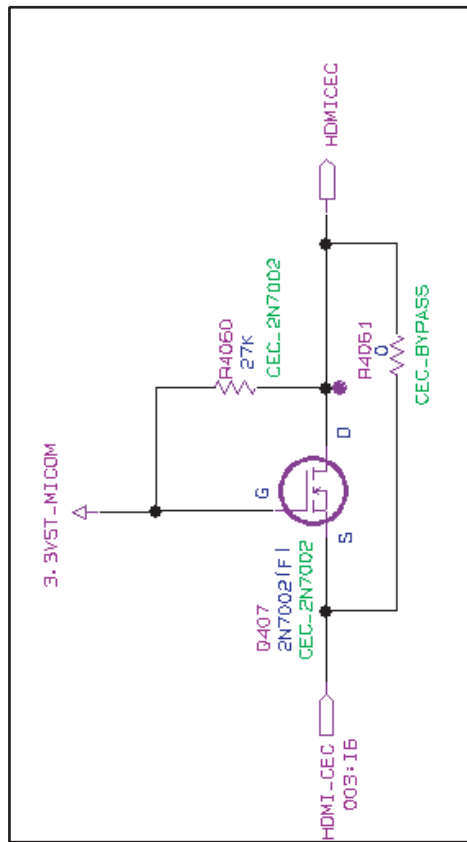


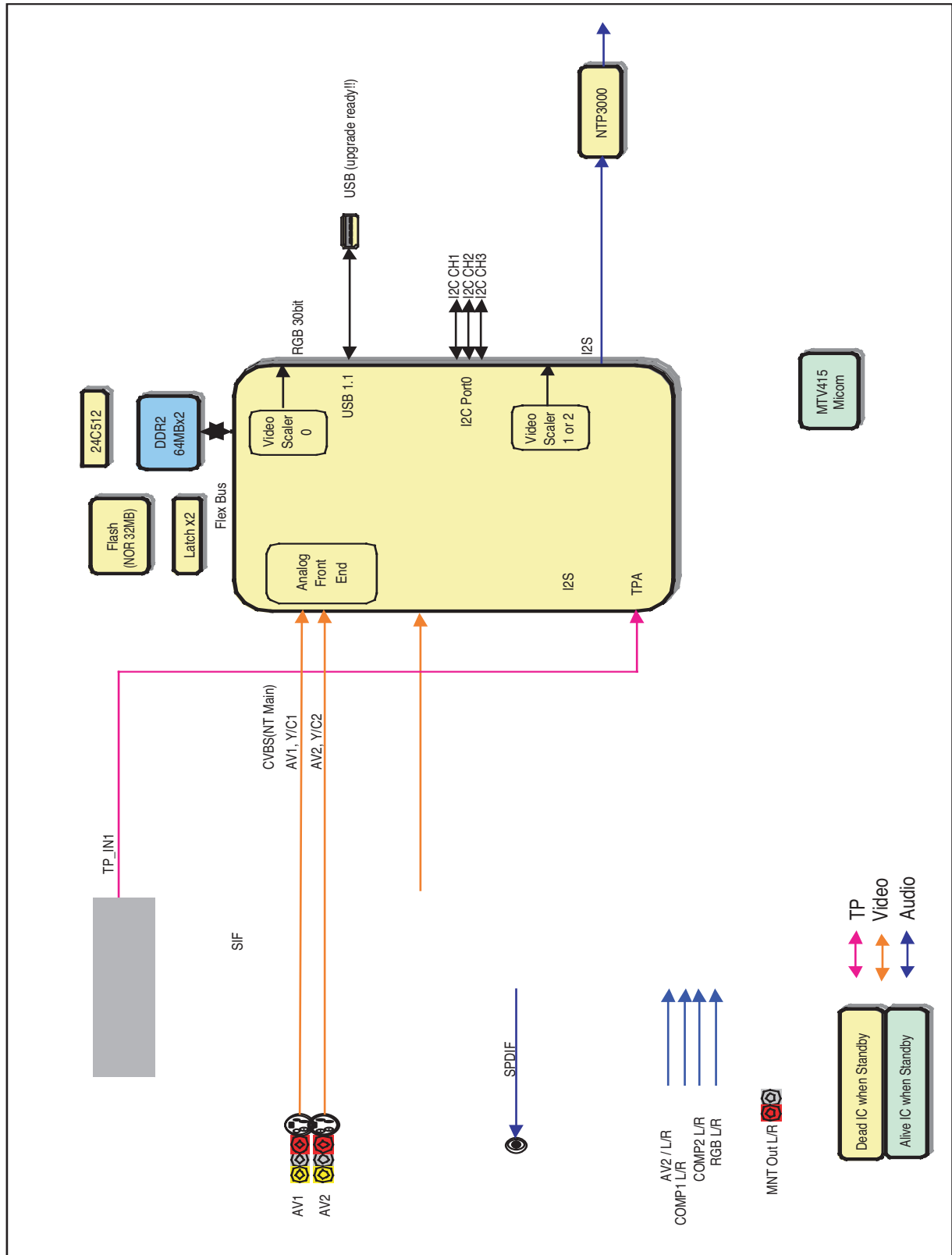


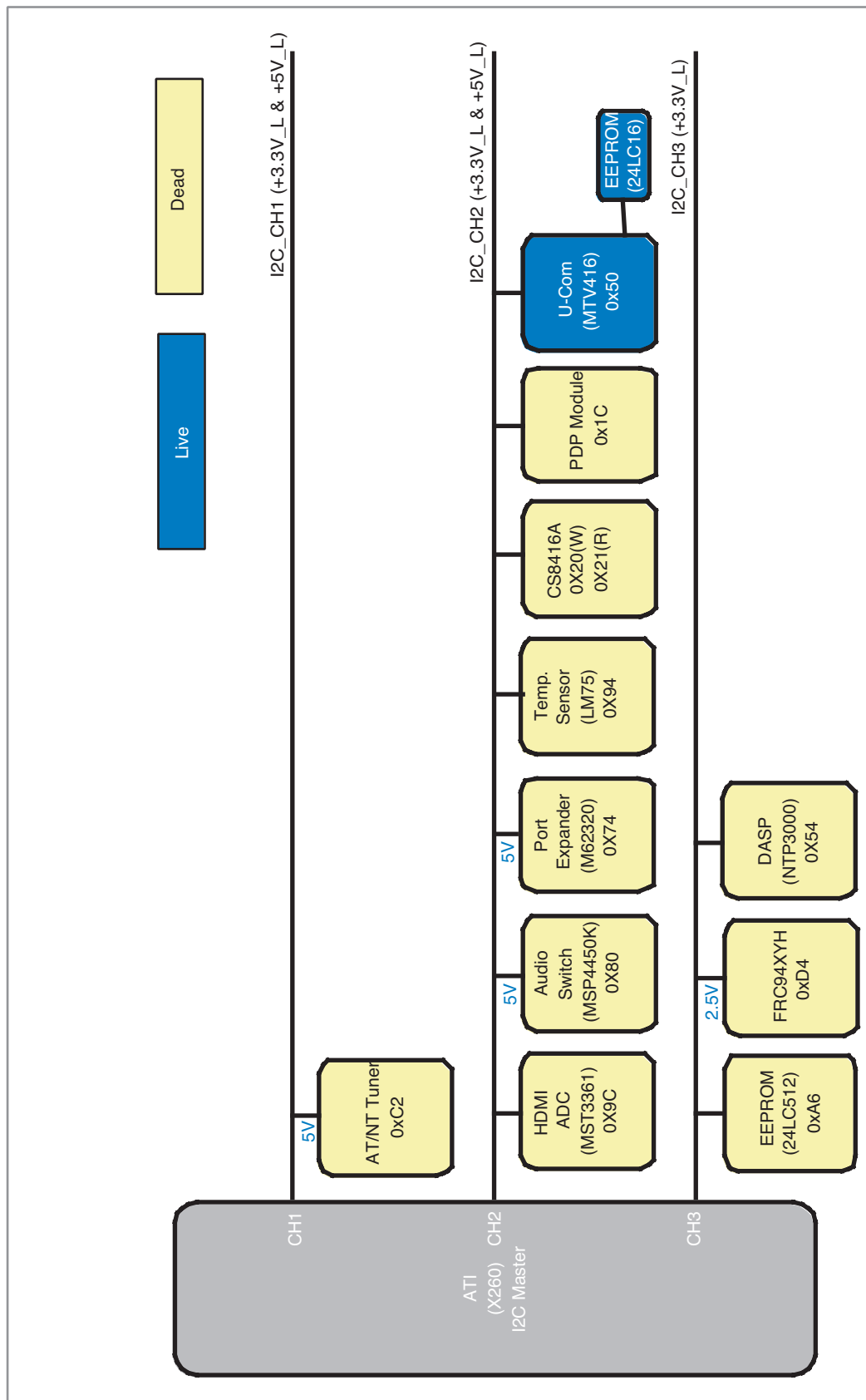


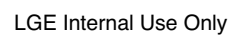


CEC Application



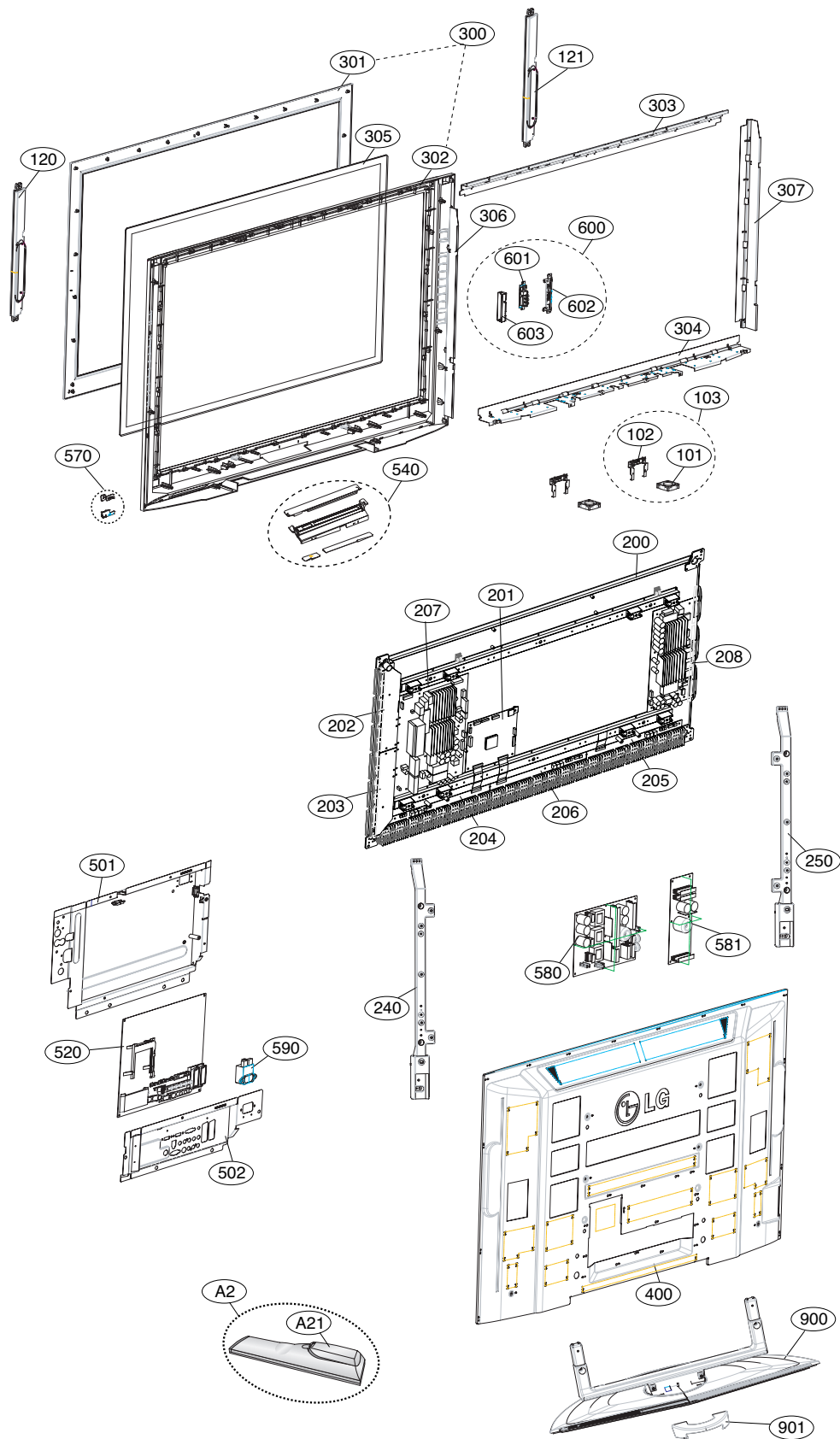






MEMO

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

The components identified by mark △ is critical for safety.
Replace only with part number specified.

No.	Part No.	Descriptions
101	EAL30846301	Fan Module, G6015S12b2 1.8KRPM DC 12V 840MA 12W 60HZ 200MM3 per MIN 60 x 60 x 15 DONG YANG ELEC
102	MJH39337801	Supporter, PRESS EGI 1.0T Supporter EGI 50PY3_F_HD FAN SUPP.
103	AJJ33977601	Supporter Assembly, 50PY30_FHD_FAN SUPP.
120	EAB33735401	Speaker Assembly, 50PY3 SLIM SPEAKER ASSY RIGHT
121	EAB33735402	Speaker Assembly, 50PY3 SLIM SPEAKER LEFT ASSY
△ 200	EAJ32791201	PDP, Module-FullHD PDP50H10000.AKLGG FULLHD 50INCH 1920X1080 16/9 PDP DIVISION
△ 201	EBR35756601	Hand Insert PCB Assembly, CTRL ASS'Y HAND INSERT 50" H1 FullHD PDP DIVISION
△ 202	EBR35757101	Hand Insert PCB Assembly, YDRV ASS'Y HAND INSERT 50" H1 FullHD TOP PDP DIVISION
△ 203	EBR35757401	Hand Insert PCB Assembly, YDRV ASS'Y HAND INSERT 50" H1 FullHD BOTTOM PDP DIVISION
△ 204	EBR35757701	Hand Insert PCB Assembly, XRLT ASS'Y HAND INSERT 50" H1 FullHD PDP DIVISION
△ 205	EBR35757901	Hand Insert PCB Assembly, XRRT ASS'Y HAND INSERT 50" H1 FullHD PDP DIVISION
△ 206	EBR35758001	Hand Insert PCB Assembly, XRCT ASS'Y HAND INSERT 50" H1 FullHD PDP DIVISION
△ 207	EBR35758101	Hand Insert PCB Assembly, YSUS ASS'Y HAND INSERT 50" H1 FullHD PDP DIVISION
△ 208	EBR35758301	Hand Insert PCB Assembly, ZSUS ASS'Y HAND INSERT 50" H1 FullHD PDP DIVISION
240	AJJ33029001	Supporter Assembly, 50PY30 ASSY_SUPP.VERTICAL_RIGHT
250	AJJ33029002	Supporter Assembly, 50PY30 ASSY_SUPP.VERTICAL_LEFT
△ 300	ABJ33028307	Cabinet Assembly, 50PY3DF-AA_F/HD . 50" CABINET ASSY
△ 301	ADV33028502	Frame Assembly, 50PY30 . 50" FRAME ASSY_LG
△ 302	MBH37774401	Cabinet, MOLD ABS AF-342 50PY3DF ABS FOR 50H1
303	AJJ33028601	Supporter Assembly, 50PY30 ASSY_SUPP.FILTER_TOP
304	AJJ33028701	Supporter Assembly, 50PY30 ASSY_SUPP.FILTER_BOTTOM
305	5230V00025C	Filter, PRINTING TOP 50PDP Glass 1.1mm LG CHEMICAL GLASS FILTER (38%)
306	AJJ33028801	Supporter Assembly, 50PY30 ASSY_SUPP.FILTER_RIGHT
307	AJJ33028901	Supporter Assembly, 50PY30 ASSY_SUPP.FILTER_LEFT
△ 400	ACQ33028404	Cover Assembly, Rear 50PY3DF-AA . 50" F/HD BACKCOVER ASSY_NON DVR_NON WOOFER_CIC
501	AGU31681105	Plate Assembly, ASSY PLATE TUNER BOT SMALL, 60PY3DF-UA(E3)
502	AGU31680929	Plate Assembly, ASSY PLATE TUNER COVER SMALL, 60PY3DF-AA, AUS
520	EBR35964308	Hand Insert PCB Assembly, Main MAIN M.I PB75A 50PY3DF-AA AAULLHX -
540	EBT34195402	Chassis Assembly, SUB PD75A 60PY3DF FULL HD SUB VFD ASSY
570	EBR33918301	Hand Insert PCB Assembly, SUB M.I PA71A 50PB3DR KOREA 50PB3DR PRE AMP
△ 580	EAY38800401	SMPS, AC/DC PSPU-J619A 90VTO264V 670W 47HZ~63HZ UL CSA VDE TUV LGIT 50H1 PSU(MAIN) LG
△ 581	EAY38800801	SMPS, AC/DC PSPU-J619B 90VTO264V 670W 47HZ~63HZ UL CSA VDE TUV 50H1 LGIT PSU2 LG INNOTEK.,LTD.
590	EAM35012702	Filter, AC Line IF2-N10CEWL1 1.1mH 250VAC 10A 0.22uF 1000pF VDE/CSA/K/CCC HOUSING/RING BK DONG IL
600	EBT36207701	Chassis Assembly, SUB PA73A SUB PA73A 60PY3DF-UB SIDE AV ASSY
601	EBR35103101	Hand Insert PCB Assembly, SUB M.I PA71A 50PB4DR AKRLLH 50PB4DR 42PB4DR 50PB3 60PY3 COMM.
602	ABA30998703	Bracket Assembly, AV PY30 AB E3_SIDE AV BRACKET ASSY, USA,With USB
603	MGJ32323501	Plate, Shield PRESS AL 1.0 SHIELD AL E3 PY30 SHIELD,SIDE AV
△ 900	AAN31004601	Base Assembly, STAND 50PY30 AB E3_SWIVEL STAND ASSY
901	35509K0102A	Cover, MOLD HIPS AP-50DB20S CABLE STAND 50PB2
A2	MKJ32022832	Remote Controller, COMPLEX LB73A 26LC7D-AB AUSTRALIA, FULL HD, NON DVR
A21	3550V00590A	Cover, MOLD ABS 50PC3DD-UE.AUSRSR ABS

REPLACEMENT PARTS LIST

DATE: 2007. 10. 01.

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
CAPACITORS					
C1	0CE477DD618	EGR477M010T6G1G11G 470uF 20% 10V	C2150	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1	0CE4763F618	ESF476M016T1A5E05G 47uF 20% 16V 6	C2151	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2	0CK104DK56A	0805B104K500CT 100nF 10% 50V X7R	C2152	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C200	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2153	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A -55T
C201	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X	C2154	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C202	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2155	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C203	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2156	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C204	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2157	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C205	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X	C2158	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C206	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2159	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C207	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X	C216	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C208	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2160	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C209	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2161	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C210	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2162	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C211	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X	C2163	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2114	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2164	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2115	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2165	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2116	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2166	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2117	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2167	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2119	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2168	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C212	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2169	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2120	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C217	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2122	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2170	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2124	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R	C2171	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2126	0CC150BK4AA	C1005C0G1H150JT 15pF 5% 50V C0G -	C2172	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2127	0CC150BK4AA	C1005C0G1H150JT 15pF 5% 50V C0G -	C2173	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C2128	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5	C2174	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A -55T
C213	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2175	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C2130	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2176	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C2131	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R	C2177	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C2132	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2178	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C2133	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R	C2179	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C2134	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C218	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C2136	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R	C2180	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2137	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2181	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2138	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2182	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2139	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2183	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C214	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X	C2184	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2140	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2185	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2141	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2186	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2142	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2187	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2143	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2188	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C2144	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	C2189	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C2145	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -	C219	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A -55T
C2146	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2190	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -
C2147	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2191	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -
C2148	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2192	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -
C2149	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2193	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -
C215	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C2194	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
			C2195	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C2196	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C231	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2197	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C232	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2198	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C233	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2199	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -	C234	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C220	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X	C236	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2200	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -	C238	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2201	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C239	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2202	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C240	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A -55T
C2203	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C241	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2204	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C242	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C2205	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X	C243	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C2206	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C244	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C2207	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C245	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2208	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C246	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C2209	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C247	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C221	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C248	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2210	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C249	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2211	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C250	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C2212	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C251	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2213	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C252	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C2214	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C253	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2215	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C254	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2216	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C255	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2217	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C256	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C2218	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C257	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C2219	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C258	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C222	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C259	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2220	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C260	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A -55T
C2221	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C261	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A -55T
C2222	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C262	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2223	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C263	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A -55T
C2224	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C264	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C2225	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C265	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A -55T
C2226	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C266	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C2227	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C267	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C2228	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R	C268	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2229	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C269	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C223	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C270	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2230	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C271	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2231	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C272	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2232	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C273	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2233	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C274	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2239	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C275	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C224	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X	C276	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C2240	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C277	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C2241	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C278	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C2242	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C279	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C2243	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C280	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2244	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C281	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C225	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C282	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C226	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C283	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C227	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C284	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C228	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C285	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C229	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X	C3	0CH5101K416	C2012C0G1H101JT 100pF 5% 50V C0G
C230	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X	C300	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C301	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C357	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C302	0CE336WD6D8	RC1A336M05005VR 33uF 20% 10V 34MA	C360	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C303	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA	C361	0CH5220K618	0402N220M500LT 22pF 5% 50V C0G -5
C304	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA	C362	0CH5220K618	0402N220M500LT 22pF 5% 50V C0G -5
C305	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C365	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C306	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C366	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C307	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA	C367	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C309	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C368	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C310	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C369	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C311	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C371	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C312	0CK222BK6A	0402B222K500CT 2.2nF 10% 50V X7R	C372	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C313	0CC221BKFAA	C1005C0G1H221JT 220pF 5% 50V C0G	C373	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C314	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA	C374	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C315	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C4	0CH5101K416	C2012C0G1H101JT 100pF 5% 50V C0G
C316	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C400	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C317	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C4000	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C318	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA	C4001	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C319	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA	C4002	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C320	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA	C4003	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C321	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.3V X5R	C4004	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C322	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.3V X5R	C4005	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C323	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.3V X5R	C4006	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C324	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.3V X5R	C4007	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C325	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.3V X5R	C4008	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C326	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.3V X5R	C4009	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C327	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.3V X5R	C401	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C328	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.3V X5R	C4010	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C329	0CK105EJ56A	GMK316BJ105KL-T 1uF 10% 35V X7R -	C4011	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C330	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C4012	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C331	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X	C4013	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C332	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X	C4014	0CH5220K618	0402N220M500LT 22pF 5% 50V C0G -5
C333	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X	C4015	0CH5220K618	0402N220M500LT 22pF 5% 50V C0G -5
C334	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X	C402	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C335	0CK105EJ56A	GMK316BJ105KL-T 1uF 10% 35V X7R -	C404	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C336	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA	C405	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C337	0CK332CK56A	C1608X7R1H332KT 3.3nF 10% 50V X7R	C406	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C338	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C407	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C339	0CK471BK56A	C1005X7R1H471KT 470pF 10% 50V X7R	C408	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C340	0CH2334F566	0805B334K160CT 330nF 10% 16V X7R	C409	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C341	0CH2334F566	0805B334K160CT 330nF 10% 16V X7R	C410	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C342	EAE32166101	CS1005XR473K250CR 0.047uF 10% 25V	C412	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25V X7R
C343	0CH2334F566	0805B334K160CT 330nF 10% 16V X7R	C413	EAE32166101	CS1005XR473K250CR 0.047uF 10% 25V
C344	0CH2334F566	0805B334K160CT 330nF 10% 16V X7R	C414	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5
C345	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA	C415	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25V X7R
C346	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	C416	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C347	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C417	EAE32166101	CS1005XR473K250CR 0.047uF 10% 25V
C348	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C419	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25V X7R
C349	0CC221BKFAA	C1005C0G1H221JT 220pF 5% 50V C0G	C420	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C350	0CC221BKFAA	C1005C0G1H221JT 220pF 5% 50V C0G	C421	EAE32166101	CS1005XR473K250CR 0.047uF 10% 25V
C351	0CH5470K618	0402N470M500LT 47pF 5% 50V C0G -5	C423	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C352	0CH5470K618	0402N470M500LT 47pF 5% 50V C0G -5	C424	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C353	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C425	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C354	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA	C426	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C355	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C427	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C356	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C428	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C429	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C5021	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C430	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C5022	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R
C431	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C5023	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C432	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C5024	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R
C436	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C5025	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C439	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C5026	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C440	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C5027	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R
C441	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C5028	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C442	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C5029	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R
C449	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C5030	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C450	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C5031	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C451	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C5032	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R
C452	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C5033	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C453	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA	C5034	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C454	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C5035	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R
C457	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5	C5036	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C459	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C5037	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R
C460	0CC180BKFAA	C1005C0G1H180JT 18pF 5% 50V C0G -	C5038	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C465	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C5039	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G
C466	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA	C5040	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R
C467	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C5041	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R
C468	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C5042	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R
C469	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G	C5043	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C470	0CK471BK56A	C1005X7R1H471KT 470pF 10% 50V X7R	C5044	0CC471CK41A	C1608C0G1H471JT 470pF 5% 50V C0G
C471	0CC180BKFAA	C1005C0G1H180JT 18pF 5% 50V C0G -	C5045	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20% 50V 14
C476	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G	C5046	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C477	0CH5220K618	0402N220M500LT 22pF 5% 50V C0G -5	C5047	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C478	0CH5220K618	0402N220M500LT 22pF 5% 50V C0G -5	C5048	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C481	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C5049	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C482	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C505	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G
C484	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C5050	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20% 50V 19
C487	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA	C5051	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20% 50V 19
C488	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA	C5052	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C491	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C5053	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C492	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C506	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C495	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA	C515	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C496	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C529	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C5002	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA	C531	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G
C5003	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C532	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C5004	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5	C533	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5
C5005	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C535	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C5006	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C536	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C5007	0CK223CK56A	UMK107JB223KA-T 22nF 10% 50V X7R	C541	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C5008	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C546	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -
C5009	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C547	0CZZB00035A	GRM1555C1H330J 33pF 5% 50V C0G -5
C5010	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C548	0CZZB00035A	GRM1555C1H330J 33pF 5% 50V C0G -5
C5012	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C551	0CK223CK56A	UMK107JB223KA-T 22nF 10% 50V X7R
C5013	0CC020CK01A	C1608C0G1H020CT 2pF 0.25PF 50V C0	C556	0CE337WJ6D8	MVK12.5TP35VC330M 330uF 20% 35V 4
C5014	0CC020CK01A	C1608C0G1H020CT 2pF 0.25PF 50V C0	C557	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C5015	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C558	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C5016	0CC560CK41A	C1608C0G1H560JT 56pF 5% 50V C0G -	C559	0CK223CK56A	UMK107JB223KA-T 22nF 10% 50V X7R
C5017	0CC560CK41A	C1608C0G1H560JT 56pF 5% 50V C0G -	C560	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C5018	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20% 50V 14	C561	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C5019	0CC560CK41A	C1608C0G1H560JT 56pF 5% 50V C0G -	C562	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C5020	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C563	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C564	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -	C7005	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C565	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -	C7006	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C566	0CK223CK56A	UMK107JB223KA-T 22nF 10% 50V X7R	C7007	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C567	0CK223CK56A	UMK107JB223KA-T 22nF 10% 50V X7R	C7008	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C568	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -	C701	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A -55T
C569	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C701	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A -55T
C570	0CE337WJ6D8	MVK12.5TP35VC330M 330uF 20% 35V 4	C7010	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C571	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C7011	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C573	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C7012	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C574	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C7013	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C575	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C7014	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C576	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C7015	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C581	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C7016	0CC100BKF1A	0402N100J500LT 10pF 5% 50V C0G -5
C582	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C7017	0CC100BKF1A	0402N100J500LT 10pF 5% 50V C0G -5
C583	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C704	0CK471BK56A	C1005X7R1H471KT 470pF 10% 50V X7R
C584	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C705	0CK471BK56A	C1005X7R1H471KT 470pF 10% 50V X7R
C585	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C706	0CK471BK56A	C1005X7R1H471KT 470pF 10% 50V X7R
C586	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C707	0CK471BK56A	C1005X7R1H471KT 470pF 10% 50V X7R
C587	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C710	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C588	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C711	0CE225WK6DC	MVK4.0TP50VC2.2M 2.2uF 20% 50V 10
C589	0CK474DK56A	UMK212BJ474KG-T 470nF 10% 50V X7R	C712	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C590	0CK474DK56A	UMK212BJ474KG-T 470nF 10% 50V X7R	C713	0CE225WK6DC	MVK4.0TP50VC2.2M 2.2uF 20% 50V 10
C592	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C713	0CK225DD66A	LMK212JB225MG-T 2.2uF 20% 10V X7R
C594	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C714	0CE225WK6DC	MVK4.0TP50VC2.2M 2.2uF 20% 50V 10
C597	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C714	0CK225DD66A	LMK212JB225MG-T 2.2uF 20% 10V X7R
C598	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C715	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C599	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C716	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C603	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA	C717	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G
C604	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C718	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G
C610	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C721	0CE225WK6DC	MVK4.0TP50VC2.2M 2.2uF 20% 50V 10
C611	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C722	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G
C612	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C723	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G
C616	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C724	EAE32720101	16SVP330M 330uF 20% 16V 4.72A -55
C617	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C725	EAE32720101	16SVP330M 330uF 20% 16V 4.72A -55
C618	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C726	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A -55T
C619	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C727	EAE30840401	25SVDP10M 10uF 20% 25V 1.5A -55TO
C620	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C728	0CK471BK56A	C1005X7R1H471KT 470pF 10% 50V X7R
C621	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C729	0CK471BK56A	C1005X7R1H471KT 470pF 10% 50V X7R
C622	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C731	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C623	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C732	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C624	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C733	0CK471BK56A	C1005X7R1H471KT 470pF 10% 50V X7R
C625	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C735	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C626	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C737	0CE337WH6DC	MVK10TP25VC330M 330uF 20% 25V 450
C627	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C742	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C628	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	C743	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C629	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C744	0CC102CK41A	C1608C0G1H102JT 1nF 5% 50V C0G -5
C630	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5	C746	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C632	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C748	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C635	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA	C763	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C656	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	C764	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C700	0CE105WK6DC	MVK4.0TP50VC1M 1uF 20% 50V 5.6MA	C765	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C7000	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA	C766	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C7001	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA	C767	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C7002	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C768	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C7003	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C769	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C770	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C9080	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C771	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A -55T	C9082	0CE227SF6DC	MVG6.3TP16VC220M 220uF 20% 16V 13
C801	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C9083	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C811	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C9083	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C823	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C9084	0CE227SF6DC	MVG6.3TP16VC220M 220uF 20% 16V 13
C845	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C9085	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R
C846	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	DIODEs		
C848	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	D300	0DSGD00038A	1N4148W 1.25V 100V 150MA 2A 4NSEC
C882	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	D301	0DRSE00038A	SDC15 1.3V 14.3VTO16.4V 21.2V 10A
C9002	0CC100BKF1A	0402N100J500LT 10pF 5% 50V C0G -5	D302	0DRSE00038A	SDC15 1.3V 14.3VTO16.4V 21.2V 10A
C9004	0CC102CK41A	C1608C0G1H102JT 1nF 5% 50V C0G -5	D304	0DD184009AA	KDS184 KDS184 TP KEC - 85V - - -
C9004	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5	D402	0DD184009AA	KDS184 KDS184 TP KEC - 85V - - -
C9005	0CC100BKF1A	0402N100J500LT 10pF 5% 50V C0G -5	D404	0DD184009AA	KDS184 KDS184 TP KEC - 85V - - -
C9006	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA	D405	0DD184009AA	KDS184 KDS184 TP KEC - 85V - - -
C9008	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R	D408	0DD184009AA	KDS184 KDS184 TP KEC - 85V - - -
C9008	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	D9000	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 15
C9010	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	D9001	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 15
C9011	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	ZD405	0DZ360009EB	UDZS3.6B 3.6V 3.6TO3.845V 100OHM
C9012	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	ZD406	0DZ360009EB	UDZS3.6B 3.6V 3.6TO3.845V 100OHM
C9014	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20% 50V 19	ZD407	0DZ560009DA	UDZS5.6B 5.6V 5.49TO5.73V 60OHM 2
C9015	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	ZD408	0DZ560009DA	UDZS5.6B 5.6V 5.49TO5.73V 60OHM 2
C9016	0CC102CK41A	C1608C0G1H102JT 1nF 5% 50V C0G -5	ZD409	0DZ560009DA	UDZS5.6B 5.6V 5.49TO5.73V 60OHM 2
C9017	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R	ZD415	0DZ360009EB	UDZS3.6B 3.6V 3.6TO3.845V 100OHM
C9018	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	ZD416	0DZ560009DA	UDZS5.6B 5.6V 5.49TO5.73V 60OHM 2
C9018	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5	ZD417	0DZ560009DA	UDZS5.6B 5.6V 5.49TO5.73V 60OHM 2
C9019	0CC102CK41A	C1608C0G1H102JT 1nF 5% 50V C0G -5	ZD418	0DZ560009DA	UDZS5.6B 5.6V 5.49TO5.73V 60OHM 2
C9019	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5	ZD419	0DZ560009DA	UDZS5.6B 5.6V 5.49TO5.73V 60OHM 2
C9020	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	ZD420	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C9021	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	ZD421	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C9022	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	ZD502	0DZRM00248A	RLZ8.2B 8.2V 7.78TO8.19V 80HM 500
C9023	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA	ZD700	0DZ360009EB	UDZS3.6B 3.6V 3.6TO3.845V 100OHM
C9023	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	ZD705	0DZ360009EB	UDZS3.6B 3.6V 3.6TO3.845V 100OHM
C9024	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	ZD710	0DZ560009DA	UDZS5.6B 5.6V 5.49TO5.73V 60OHM 2
C9025	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	ZD711	0DZ360009EB	UDZS3.6B 3.6V 3.6TO3.845V 100OHM
C9026	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	ZD712	0DZ360009EB	UDZS3.6B 3.6V 3.6TO3.845V 100OHM
C9026	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA	LEDs		
C9027	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	LD	EAV35520201	SOFT TOUCH MODULE SOFT TOUCH ASSE
C9027	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	D9002	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.8V 30m
C9028	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5	LD700	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.8V 30m
C9028	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	LD701	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.8V 30m
C9029	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R	LD702	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.8V 30m
C9030	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	LD9002	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.8V 30m
C9031	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	LED700	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.8V 30m
C9032	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	LED701	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.8V 30m
C9033	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA	LED702	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.8V 30m
C9033	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	ICs		
C9034	0CE105WK6DC	MVK4.0TP50VC1M 1uF 20% 50V 5.6MA	IC101	EAN32808701	XILLEON260 500MVTO2.1V,350MVTO3.6
C9034	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5	IC200	EAN33624401	HYB18TC512160BF-3S 512MBIT 32M x
C9035	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	IC201	EAN33931901	TC74LCX16373AFT 2V~3.6V 500uA LAT
C9035	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA			
C9036	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R			
C9036	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R			
C9037	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R			
C9037	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5			
C9038	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11			

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
IC202	EAN33931901	TC74LCX16373AFT 2V~3.6V 500uA LAT	FL741	EAM33010401	Filter, MEM2012P25R0 EMI 25MHZ 100pF 400N
IC203	EAN33624401	HYB18TC512160BF-3S 512MBIT 32M x	FL742	EAM33010401	Filter, MEM2012P25R0 EMI 25MHZ 100pF 400N
IC206	EAN33624401	HYB18TC512160BF-3S 512MBIT 32M x	FL743	EAM33010401	Filter, MEM2012P25R0 EMI 25MHZ 100pF 400N
IC207	0IMCRAL021A	AT24C512W-10SU-2.7 512KBIT 65536X	FL744	EAM33010401	Filter, MEM2012P25R0 EMI 25MHZ 100pF 400N
IC208	EAN33624401	HYB18TC512160BF-3S 512MBIT 32M x	FL745	EAM33010401	Filter, MEM2012P25R0 EMI 25MHZ 100pF 400N
IC300	0IKE702900G	KIA7029AF -0.3TO15V 2.9V 500MW SO	FL746	EAM33010401	Filter, MEM2012P25R0 EMI 25MHZ 100pF 400N
IC301	0IMCRSJ001B	SC1565IST-2.5TR 2.2TO5V 2.5V 0W S	FL747	EAM33010401	Filter, MEM2012P25R0 EMI 25MHZ 100pF 400N
IC302	0IPMG00049A	AZ1117H-1.8TR/E1[H13A] 3.2TO10V 1	L101	EAM32500502	Filter, BLM18AG151SN1D 150ohm 200mA 16080
IC303	0IPMG00049A	AZ1117H-1.8TR/E1[H13A] 3.2TO10V 1	L2	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC304	EAN33573001	SC2621ASTRT 18V 0.5V~-17.46V 25MW	L200	EAM32500503	Filter, BLM18AG221SN1D 220ohm 200mA 16080
IC305	0ISTLPH026A	74LVC14APW 1.2TO3.6V 0.01mA SCHMI	L201	EAM32500503	Filter, BLM18AG221SN1D 220ohm 200mA 16080
IC306	0IPRP00009A	ICL3232CBNZ 3VTO5.5V - SSOP R/TP	L202	EAM32500503	Filter, BLM18AG221SN1D 220ohm 200mA 16080
IC307	0IKE702900G	KIA7029AF -0.3TO15V 2.9V 500MW SO	L203	EAM32500503	Filter, BLM18AG221SN1D 220ohm 200mA 16080
IC308	0IPMGA0010A	AZ1117H-3.3 4.75TO10V 3.3V 0W SOT	L300	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC310	0IMCRAL006A	AT24C16AN-10SU-2.7 16KBIT 2KX8BIT	L301	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC400	0IMCRSJ001B	SC1565IST-2.5TR 2.2TO5V 2.5V 0W S	L302	EAM32500902	Filter, BLM18SG700TN1D 70ohm 4000mA 16080
IC401	0IPMGA0010A	AZ1117H-3.3 4.75TO10V 3.3V 0W SOT	L304	EAM32500502	Filter, BLM18AG151SN1D 150ohm 200mA 16080
IC402	0IPRP00696E	MST3361MS-LF-170 3.3V_2.5V 170MHZ	L305	EAM32500502	Filter, BLM18AG151SN1D 150ohm 200mA 16080
IC403	EAN32724701	STMAV335 4.0TO5.5V 5NSEC 5NSEC 0W	L306	EAM32500502	Filter, BLM18AG151SN1D 150ohm 200mA 16080
IC404	0IMMRCS012B	CAT24C08W-T(MST3000) 8KBIT 1KX8BI	L307	EAM32500502	Filter, BLM18AG151SN1D 150ohm 200mA 16080
IC405	0IMMRAL014D	AT24C02BN-SH-T 2KBIT 256x8BIT 1.8	L308	EAM32500502	Filter, BLM18AG151SN1D 150ohm 200mA 16080
IC406	0IMMRAL014D	AT24C02BN-SH-T 2KBIT 256x8BIT 1.8	L309	EAM32500502	Filter, BLM18AG151SN1D 150ohm 200mA 16080
IC407	0IMMRAL014D	AT24C02BN-SH-T 2KBIT 256x8BIT 1.8	L310	EAM32500502	Filter, BLM18AG151SN1D 150ohm 200mA 16080
IC408	0IMMRAL014D	AT24C02BN-SH-T 2KBIT 256x8BIT 1.8	L311	EAM32500203	Filter, BLM18PG121SN1D 120ohm 2000mA 1608
IC409	EAN35942401	TMDS341APFCR 3TO3.6V 10NSEC 10NSE	L312	EAM32500502	Filter, BLM18AG151SN1D 150ohm 200mA 16080
IC501	0IPRPCI017A	CS8416-CZZR 3.13VTO3.46V,3.13VTO5	L313	EAM32500502	Filter, BLM18AG151SN1D 150ohm 200mA 16080
IC505	EAN32404601	NTP3000 7TO30V 5.5V 0.01% 60W 0W	L315	EAM32500502	Filter, BLM18AG151SN1D 150ohm 200mA 16080
IC507	0IPMG00049A	AZ1117H-1.8TR/E1[H13A] 3.2TO10V 1	L316	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC508	0IMCRMN028C	MSP4450K-QA-D6 7.6TO8.7V_4.75TO5.	L320	EAM32500902	Filter, BLM18SG700TN1D 70ohm 4000mA 16080
IC601	EAN32174001	THC63LVD1023 3VTO3.6V 1.15W LQFP	L400	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC700	EAN32662801	KA7809ERTM 35V to 40V 9V 1W DPAK	L401	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC704	0IPMGKE030A	KIA78R05F 6TO12V 5V 8W DPAK R/TP	L402	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC705	0IMI623200B	M62320FP(SOP) 4.5TO5.5V 0.05mA 40	L403	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC707	0IPMGKE032A	KIA78R09F 10TO25V 9V 8W DPAK R/TP	L404	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC708	0IPMGKE032A	KIA78R09F 10TO25V 9V 8W DPAK R/TP	L405	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC711	0IMCRKE006A	KIA278R05PI 6TO12V 5V 1.5W TO200I	L406	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC712	EAN32013101	MIC2505-2YM 2.7V TO 7.5V 5V 1W SO	L407	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC9000	0IPMGA0010A	AZ1117H-3.3 4.75TO10V 3.3V 0W SOT	L408	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC9001	0IMCRSH001A	PQ05DZ1U 6TO16V 5V 8W D2PAK R/TP	L504	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC9002	0IPMG00049A	AZ1117H-1.8TR/E1[H13A] 3.2TO10V 1	L505	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
FILTERs & INDUCTORS			L508	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
F1	6210VH0001A	Filter, 6210VH0001A 50OHM 25MM 9MM 32MM R	L515	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
F2	6210VH0001A	Filter, 6210VH0001A 50OHM 25MM 9MM 32MM R	L516	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
F3	6210VH0004A	Filter, 6210VH0004A 100OHM 30MM 13MM 34MM	L517	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
F4	6210VH0004A	Filter, 6210VH0004A 100OHM 30MM 13MM 34MM	L518	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
F5	6210VH0004B	Filter, ZCAT1518-0730-M- K 65OHM 15MM 7MM	L601	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
FL729	EAM33010401	Filter, MEM2012P25R0 EMI 25MHZ 100pF 400N	L605	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
FL731	EAM33010401	Filter, MEM2012P25R0 EMI 25MHZ 100pF 400N	L606	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
FL732	EAM33010401	Filter, MEM2012P25R0 EMI 25MHZ 100pF 400N	L706	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
FL737	EAM33010401	Filter, MEM2012P25R0 EMI 25MHZ 100pF 400N	L710	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
FL738	EAM33010401	Filter, MEM2012P25R0 EMI 25MHZ 100pF 400N	L711	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
FL739	EAM33010401	Filter, MEM2012P25R0 EMI 25MHZ 100pF 400N	L712	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
FL740	EAM33010401	Filter, MEM2012P25R0 EMI 25MHZ 100pF 400N	L715	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
			L717	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
			L718	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
L719	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1	Q514	0TFDI80001B	FET, 2N7002(F) N-CHANNEL DMOSFET 60V +
L720	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1	Q515	0TFDI80001B	FET, 2N7002(F) N-CHANNEL DMOSFET 60V +
L723	6210TCE0001S	Filter, HU-1M2012-121 120OHM 2X1.25X1MM S	Q516	0TFDI80001B	FET, 2N7002(F) N-CHANNEL DMOSFET 60V +
L724	6210TCE0001S	Filter, HU-1M2012-121 120OHM 2X1.25X1MM S	Q602	0TFDI80001B	FET, 2N7002(F) N-CHANNEL DMOSFET 60V +
L725	6210TCE0001S	Filter, HU-1M2012-121 120OHM 2X1.25X1MM S	Q603	0TFDI80001B	FET, 2N7002(F) N-CHANNEL DMOSFET 60V +
L726	6210TCE0001S	Filter, HU-1M2012-121 120OHM 2X1.25X1MM S	Q702	0TFVI80067A	FET, Si3865BDV(E3) N-CHANNEL MOSFET 8V
L748	EAM37276902	Filter, LCF20P101-TM LPF(EMI) 100MHZ 30pF	Q302	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L749	EAM37276902	Filter, LCF20P101-TM LPF(EMI) 100MHZ 30pF	Q303	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L750	EAM37276902	Filter, LCF20P101-TM LPF(EMI) 100MHZ 30pF	Q304	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L751	EAM37276902	Filter, LCF20P101-TM LPF(EMI) 100MHZ 30pF	Q305	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L752	EAM37276902	Filter, LCF20P101-TM LPF(EMI) 100MHZ 30pF	Q306	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L755	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1	Q307	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L9002	0LCML00003B	Filter, MLB-201209-0120P-N2 120OHM 2X1.2X	Q308	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L9003	0LCML00003B	Filter, MLB-201209-0120P-N2 120OHM 2X1.2X	Q309	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L9004	0LCML00003B	Filter, MLB-201209-0120P-N2 120OHM 2X1.2X	Q310	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L9005	0LCML00003B	Filter, MLB-201209-0120P-N2 120OHM 2X1.2X	Q311	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L9007	0LCML00003B	Filter, MLB-201209-0120P-N2 120OHM 2X1.2X	Q312	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L9008	0LCML00003B	Filter, MLB-201209-0120P-N2 120OHM 2X1.2X	Q313	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L9009	0LCML00003B	Filter, MLB-201209-0120P-N2 120OHM 2X1.2X	Q314	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L9010	0LCML00003B	Filter, MLB-201209-0120P-N2 120OHM 2X1.2X	Q400	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L9080	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1	Q401	0TR104009AF	KRC104S NPN 40V 0V 50V 100MA 500N
L1	0LCML00020D	Inductor, MLI-201212-220K 22UH 10% - 5MA 0.	Q402	0TR104009AF	KRC104S NPN 40V 0V 50V 100MA 500N
L100	EAP32632801	Inductor, 0805CS-391XJLC 390NH 5% 0V 290MA	Q403	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L314	EAP32842801	Inductor, NR8040T2R0M 2UH 20% 0V 6.3A 0.009	Q404	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L317	0LC2000005K	Inductor, FI-D2012-223KJT(CE) 22UH 10% 0V 5	Q405	0TR104009AF	KRC104S NPN 40V 0V 50V 100MA 500N
L318	0LC2000005K	Inductor, FI-D2012-223KJT(CE) 22UH 10% 0V 5	Q406	0TR104009AF	KRC104S NPN 40V 0V 50V 100MA 500N
L501	0LCML00020B	Inductor, MLI-201209-6R8K 6.8UH 10% 0V 15MA	Q409	0TR104009AF	KRC104S NPN 40V 0V 50V 100MA 500N
L510	EAP32842805	Inductor, NR8040T150M 15UH 20% 0V 2.4A 0.05	Q410	0TR104009AF	KRC104S NPN 40V 0V 50V 100MA 500N
L511	EAP32842805	Inductor, NR8040T150M 15UH 20% 0V 2.4A 0.05	Q411	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L512	EAP32842805	Inductor, NR8040T150M 15UH 20% 0V 2.4A 0.05	Q505	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L513	EAP32842805	Inductor, NR8040T150M 15UH 20% 0V 2.4A 0.05	Q506	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L520	0LC2232101A	Inductor, FI-D3216-223KJT 22UH 10% - 25MA 1	Q508	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -
L521	0LC2232101A	Inductor, FI-D3216-223KJT 22UH 10% - 25MA 1	Q510	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -
L522	0LC2232101A	Inductor, FI-D3216-223KJT 22UH 10% - 25MA 1	Q511	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L700	0LC2220101A	Inductor, FI-B2012-222KJT 2.2UH 10% 0V 50MA	Q512	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L701	0LC2220101A	Inductor, FI-B2012-222KJT 2.2UH 10% 0V 50MA	Q513	0TR102009AM	KRA102S PNP -30V 0V -50V -0.1A -0
L702	0LC2220101A	Inductor, FI-B2012-222KJT 2.2UH 10% 0V 50MA	Q9000	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -
L703	0LC2220101A	Inductor, FI-B2012-222KJT 2.2UH 10% 0V 50MA	Q9001	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -
L708	0LC2220101A	Inductor, FI-B2012-222KJT 2.2UH 10% 0V 50MA	Q9002	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L709	0LC2220101A	Inductor, FI-B2012-222KJT 2.2UH 10% 0V 50MA	Q9081	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -
L9006	0LCML00020B	Inductor, MLI-201209-6R8K 6.8UH 10% 0V 15MA	Q9082	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -
FETs & TRANSISTORS			Q9083	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
Q300	EBK32756101	FET, Si4800BDY N-CHANNEL MOSFET 30V +-	Q9084	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -
Q301	EBK32756101	FET, Si4800BDY N-CHANNEL MOSFET 30V +-	RESISTORS		
Q315	EBK32756101	FET, Si4800BDY N-CHANNEL MOSFET 30V +-	AR100	EBC32260901	MNR04M0APJ102 1KOHM 5% 1/16W 4 SM
Q316	0TFDI80001B	FET, 2N7002(F) N-CHANNEL DMOSFET 60V +	AR200	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SM
Q317	0TFDI80001B	FET, 2N7002(F) N-CHANNEL DMOSFET 60V +	AR201	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SM
Q318	0TFDI80001B	FET, 2N7002(F) N-CHANNEL DMOSFET 60V +	AR202	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SM
Q319	0TFDI80001B	FET, 2N7002(F) N-CHANNEL DMOSFET 60V +	AR203	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SM
Q407	0TFDI80001B	FET, 2N7002(F) N-CHANNEL DMOSFET 60V +	AR204	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SM
Q408	0TR830009BA	FET, BSS83 N-CHANNEL MOSFET 10V 2 50MA	AR205	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SM
Q503	0TFDI80001B	FET, 2N7002(F) N-CHANNEL DMOSFET 60V +	AR206	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SM
Q504	0TFDI80001B	FET, 2N7002(F) N-CHANNEL DMOSFET 60V +	AR207	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SM

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
AR208	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SM	R146	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005
AR209	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SM	R147	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005
AR210	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SM	R148	EBC33834501	MCR03EZP5FX40R2 40.2OHM 1% 1/10W
AR211	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SM	R149	0RJ0471C678	MCR01MZPJ4R7 4.7OHM 5% 1/16W 1005
AR212	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SM	R150	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
AR213	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SM	R151	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
AR214	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SM	R153	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
AR215	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SM	R154	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
AR431	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4 S	R155	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
AR432	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4 S	R156	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
AR452	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4 S	R160	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
AR453	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4 S	R161	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
AR470	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4 S	R163	EBC33834701	MCR03EZP5FX7150 715OHM 1% 1/10W 1
AR471	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4 S	R164	EBC33834701	MCR03EZP5FX7150 715OHM 1% 1/10W 1
AR600	EBC32260501	MNR04M0APJ000 0OHM 5% 1/16W 4 SMD	R165	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
AR601	EBC32260501	MNR04M0APJ000 0OHM 5% 1/16W 4 SMD	R166	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
AR602	EBC32260501	MNR04M0APJ000 0OHM 5% 1/16W 4 SMD	R167	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
AR603	EBC32260501	MNR04M0APJ000 0OHM 5% 1/16W 4 SMD	R168	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
AR604	EBC32260501	MNR04M0APJ000 0OHM 5% 1/16W 4 SMD	R169	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
AR605	EBC32260501	MNR04M0APJ000 0OHM 5% 1/16W 4 SMD	R170	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
AR9007	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W 10	R171	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
AR9008	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W 10	R172	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
C9089	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R179	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R180	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R181	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1013	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R182	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1014	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R190	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1015	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R192	0RJ3001C678	MCR01MZPJ302 3KOHM 5% 1/16W 1005
R1016	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R193	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1017	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R194	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1018	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R195	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1019	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R196	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R103	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R197	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1035	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R198	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R104	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R200	0RJ1001E478	MCR01MZPF102 1KOHM 1% 1/16W 1005
R114	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R201	0RJ1001E478	MCR01MZPF102 1KOHM 1% 1/16W 1005
R116	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R202	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005
R117	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R203	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005
R118	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R204	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005
R119	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R205	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005
R126	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R215	0RJ1500C678	MCR01MZPJ151 150OHM 5% 1/16W 1005
R127	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R216	0RJ1500C678	MCR01MZPJ151 150OHM 5% 1/16W 1005
R129	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005	R217	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005
R130	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005	R218	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005
R131	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R219	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005
R132	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R220	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005
R133	0RJ1001E478	MCR01MZPF102 1KOHM 1% 1/16W 1005	R228	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R134	0RJ1001E478	MCR01MZPF102 1KOHM 1% 1/16W 1005	R229	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R135	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R230	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R136	0RJ1001E478	MCR01MZPF102 1KOHM 1% 1/16W 1005	R232	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R137	0RJ1001E478	MCR01MZPF102 1KOHM 1% 1/16W 1005	R233	0RJ1001E478	MCR01MZPF102 1KOHM 1% 1/16W 1005
R139	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005	R234	0RJ1001E478	MCR01MZPF102 1KOHM 1% 1/16W 1005
R140	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005	R235	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005
R142	0RJ1003C678	MCR01MZPJ104 100KOHM 5% 1/16W 100	R236	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005
R143	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R237	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R238	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005	R3053	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005
R239	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R3054	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005
R240	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R3055	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005
R245	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005	R3056	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R246	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005	R3057	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R247	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005	R3058	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005
R248	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005	R3059	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005
R249	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R306	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R250	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R3060	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005
R251	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R3066	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R256	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R3068	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R257	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R307	0RJ2001E472	MCR10EZHF202 2KOHM 1% 1/8W 2012 R
R3	0RH0000D622	MCR10EZHF000 0OHM 5% 1/8W 2012 R/	R3070	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R300	0RJ3300C678	MCR01MZPJ331 330OHM 5% 1/16W 1005	R3071	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R3000	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R3072	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R3006	0RJ1003C678	MCR01MZPJ104 100KOHM 5% 1/16W 100	R3073	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R3008	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R308	0RJ2702C478	MCR01MZPF273 27KOHM 1% 1/16W 1005
R301	0RJ1502C478	MCR01MZPF153 15KOHM 1% 1/16W 1005	R309	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 100
R3010	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R312	0RJ0511D677	MCR03EZPJ5R1 5.1OHM 5% 1/10W 1608
R3012	0RJ1003C678	MCR01MZPJ104 100KOHM 5% 1/16W 100	R313	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R3013	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R315	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R3014	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R316	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R3015	0RJ1003C678	MCR01MZPJ104 100KOHM 5% 1/16W 100	R319	0RJ0101C678	MCR01MZPJ1R0 1OHM 5% 1/16W 1005 R
R3016	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R320	0RJ1001E478	MCR01MZPF102 1KOHM 1% 1/16W 1005
R3017	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R321	0RJ2002C478	MCR01MZPF203 20KOHM 1% 1/16W 1005
R3018	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005	R322	0RJ1502C478	MCR01MZPF153 15KOHM 1% 1/16W 1005
R3019	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005	R323	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 100
R302	0RJ4302D677	MCR03EZPJ433 43KOHM 5% 1/10W 1608	R326	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R3020	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005	R328	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R3021	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R330	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R3022	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R331	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R3023	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R345	0RJ2200C678	MCR01MZPJ221 220OHM 5% 1/16W 1005
R3024	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R346	0RJ2200C678	MCR01MZPJ221 220OHM 5% 1/16W 1005
R3025	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R347	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R3027	0RJ6802C678	MCR01MZPJ683 68KOHM 5% 1/16W 1005	R350	0RJ2000C678	MCR01MZPJ201 200OHM 5% 1/16W 1005
R3028	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R354	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R3029	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R355	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R303	0RJ3300C678	MCR01MZPJ331 330OHM 5% 1/16W 1005	R356	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005
R3030	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005	R357	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R3031	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005	R358	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005
R3032	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005	R360	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R3034	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R362	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R3035	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R363	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R304	0RJ1502C478	MCR01MZPF153 15KOHM 1% 1/16W 1005	R365	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R3040	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R366	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R3041	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R367	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R3042	0RJ3302C678	MCR01MZPJ333 33KOHM 5% 1/16W 1005	R368	0RJ1502C678	MCR01MZPJ153 15KOHM 5% 1/16W 1005
R3043	0RJ3300C678	MCR01MZPJ331 330OHM 5% 1/16W 1005	R370	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R3045	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R372	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005
R3046	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R373	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R3047	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R374	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R3049	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R375	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R305	0RJ6801C678	MCR01MZPJ682 6.8KOHM 5% 1/16W 100	R376	0RJ6802C678	MCR01MZPJ683 68KOHM 5% 1/16W 1005
R3050	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R379	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R3052	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005	R380	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005

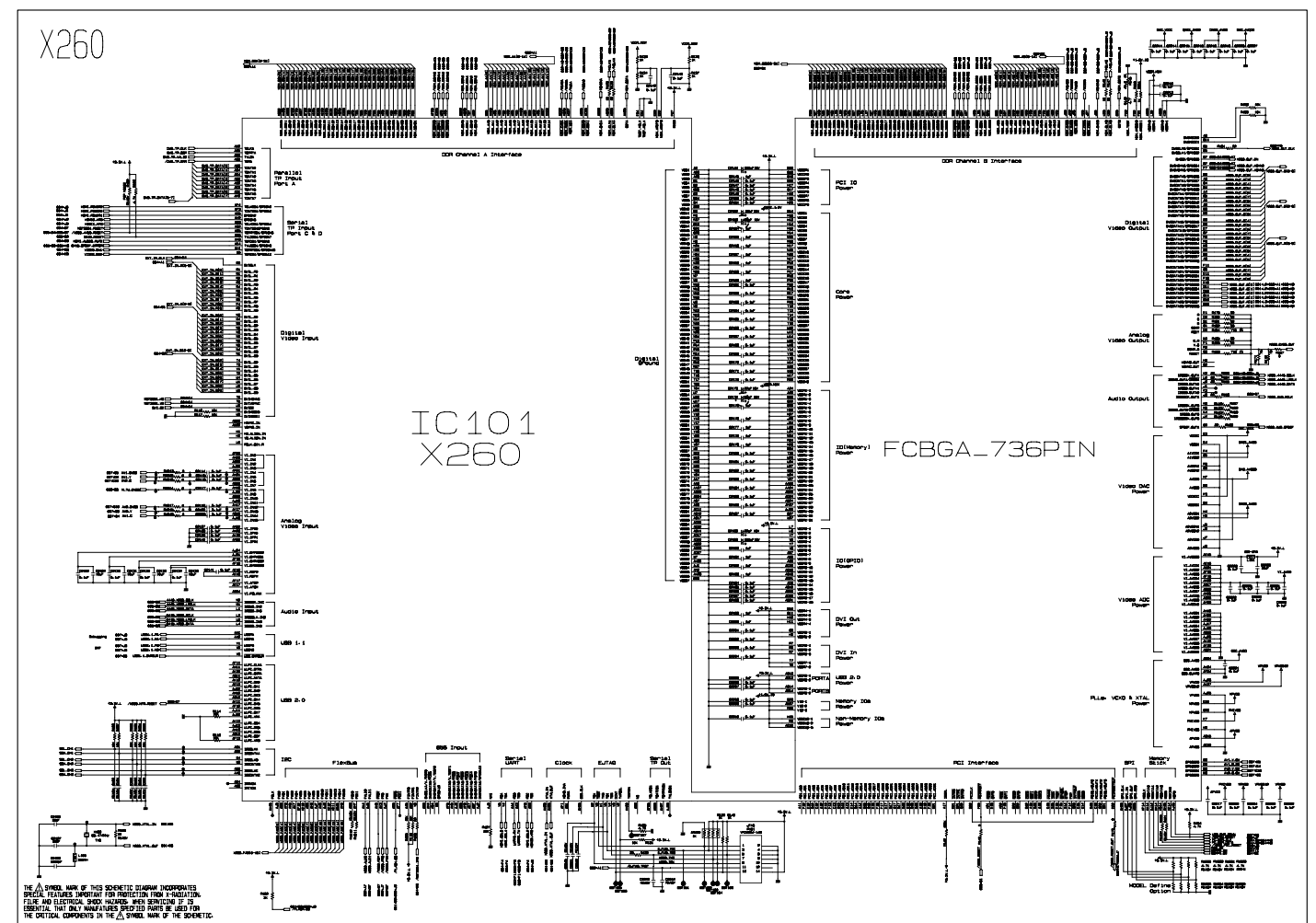
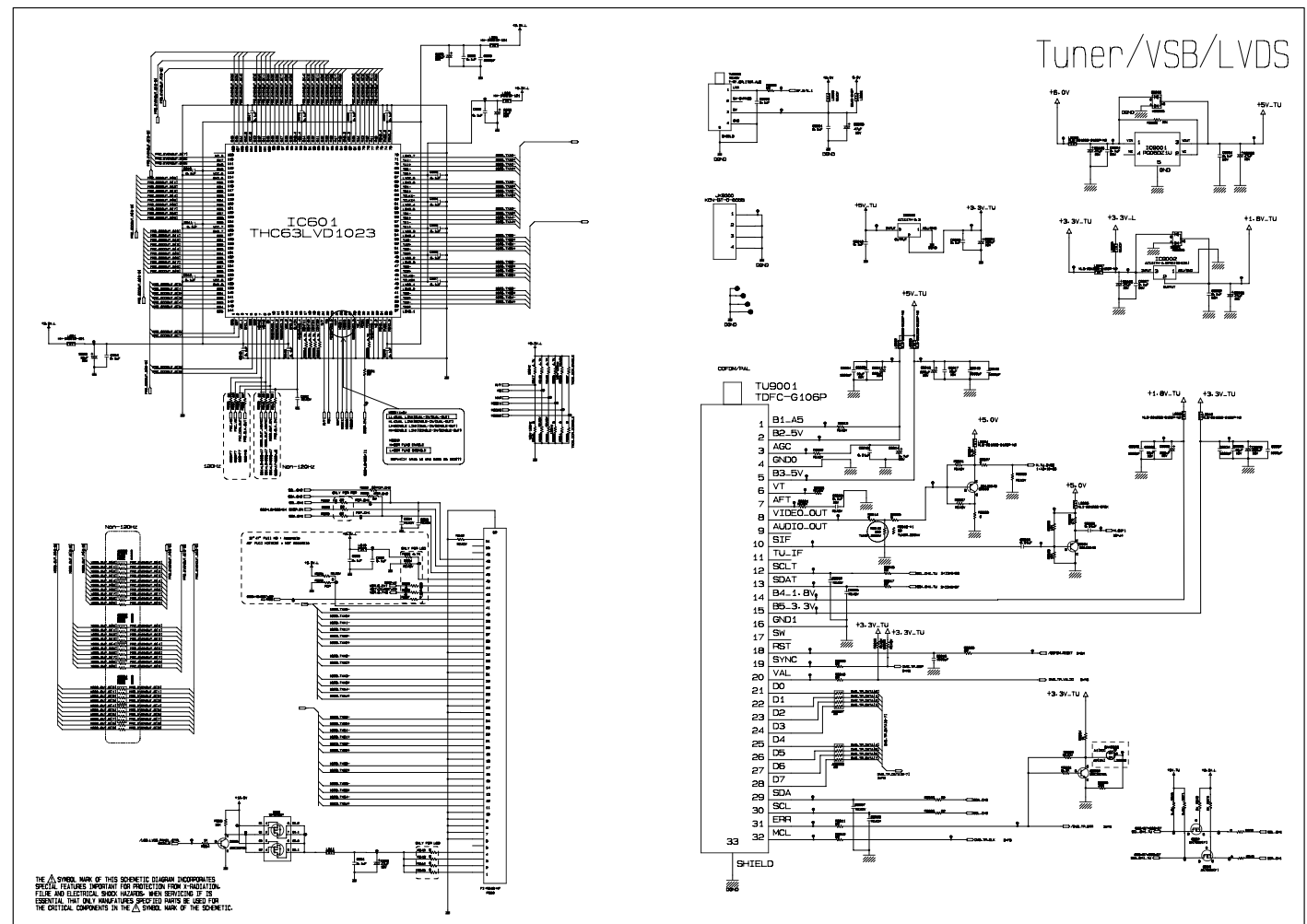
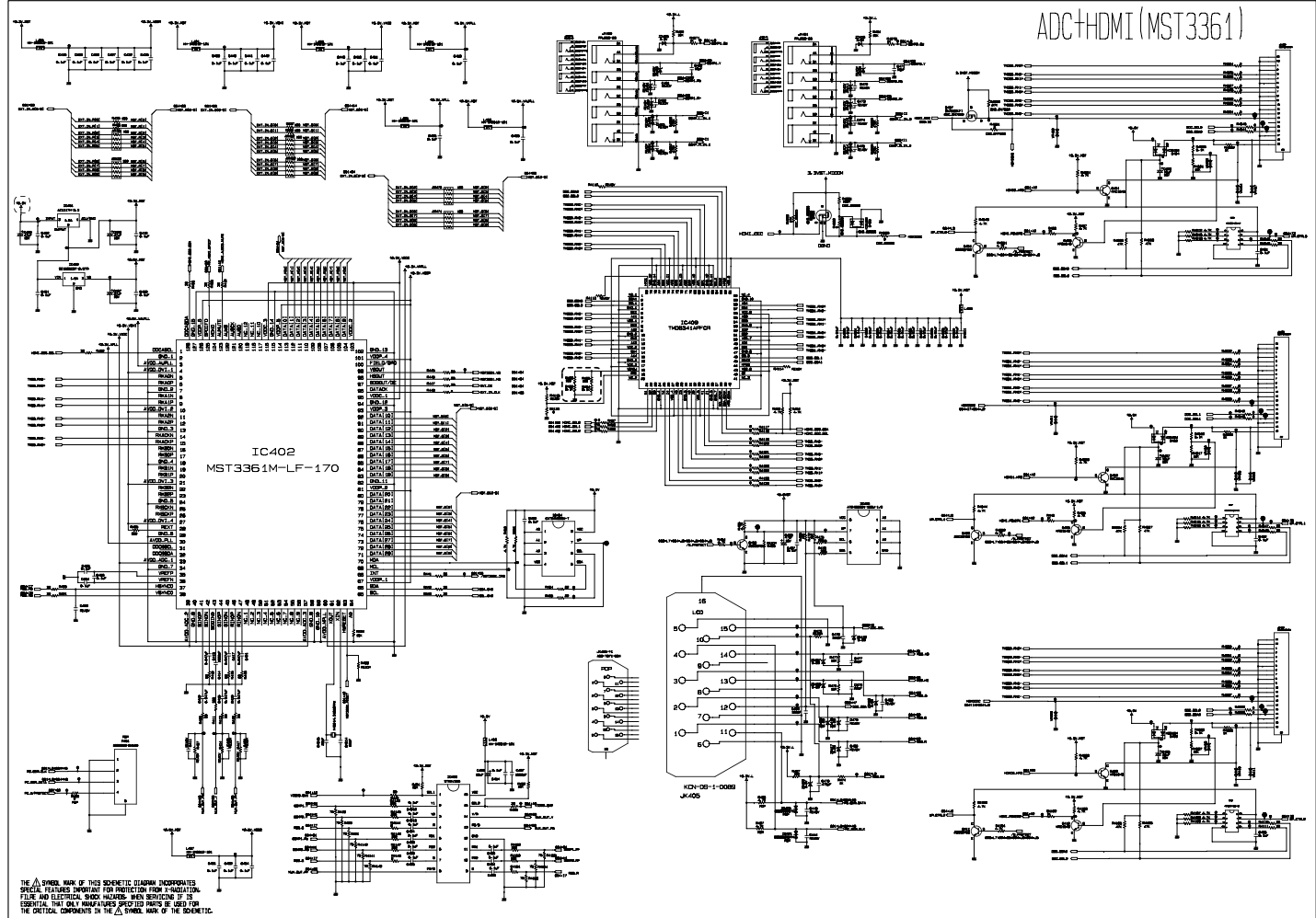
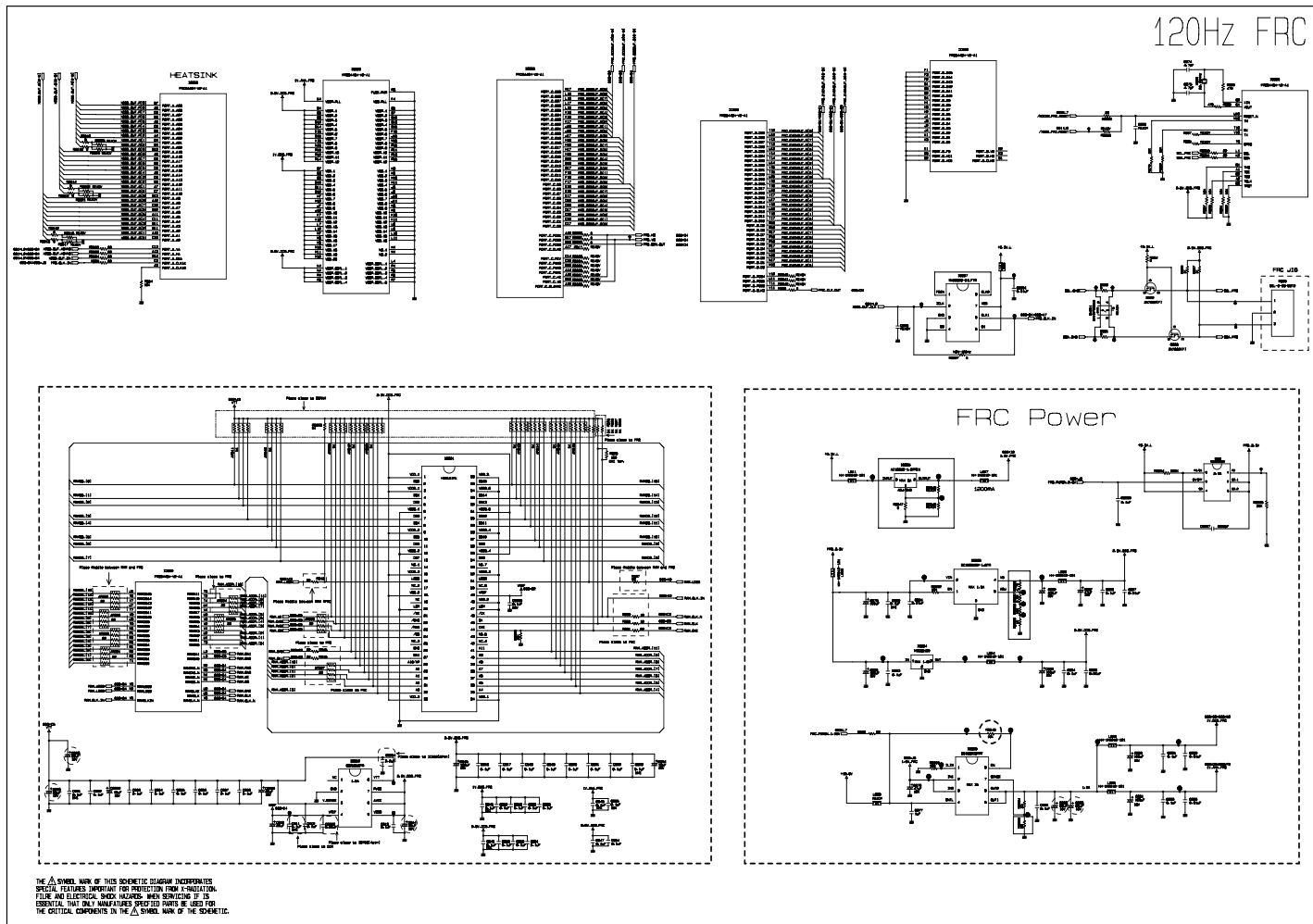
LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
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R381	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R4047	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R382	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R4048	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R383	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R4049	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
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R390	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R4051	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
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R4001	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R406	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R4003	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R4071	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R4004	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005	R4076	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
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R4044	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R4121	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R4045	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R4122	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R

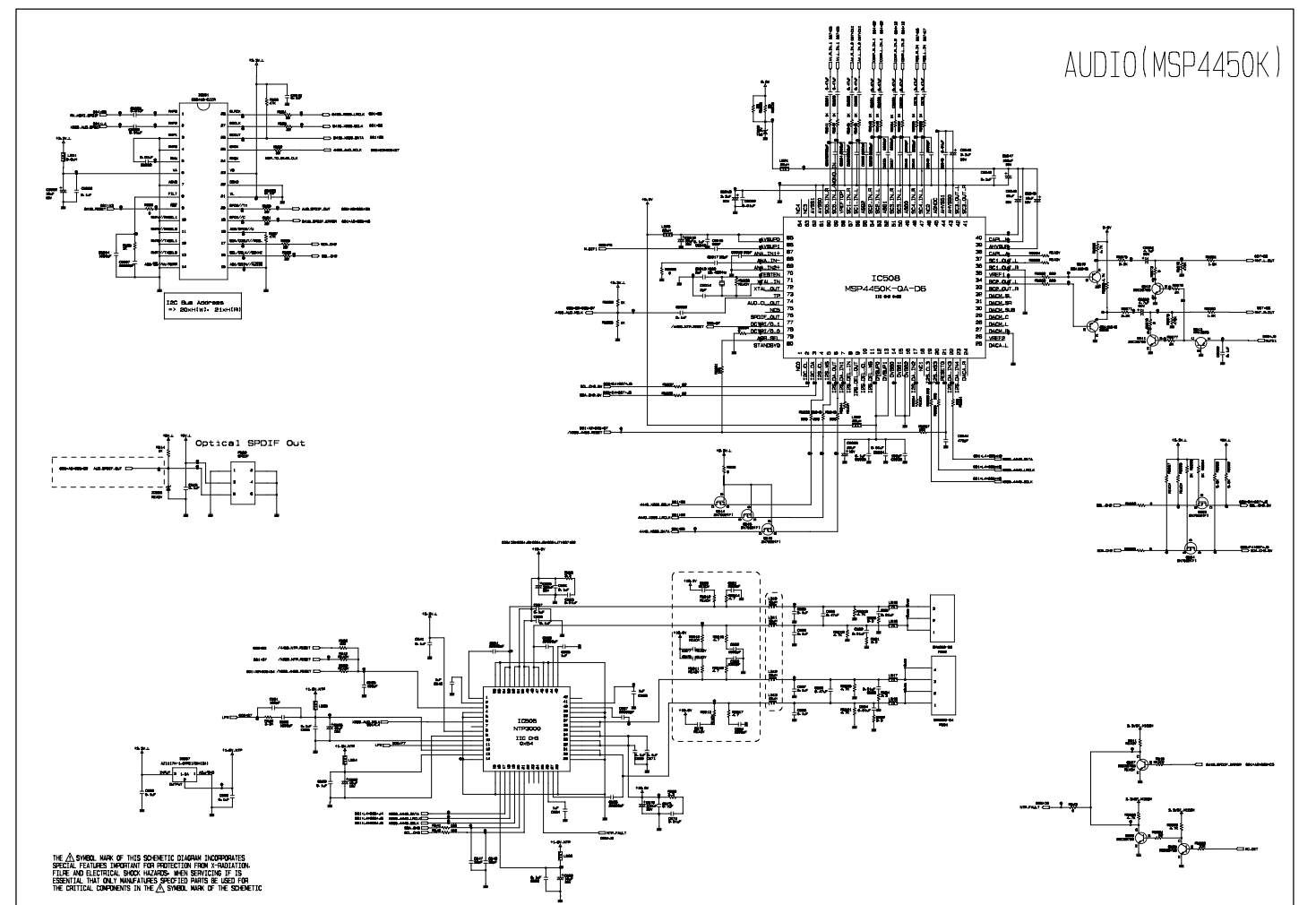
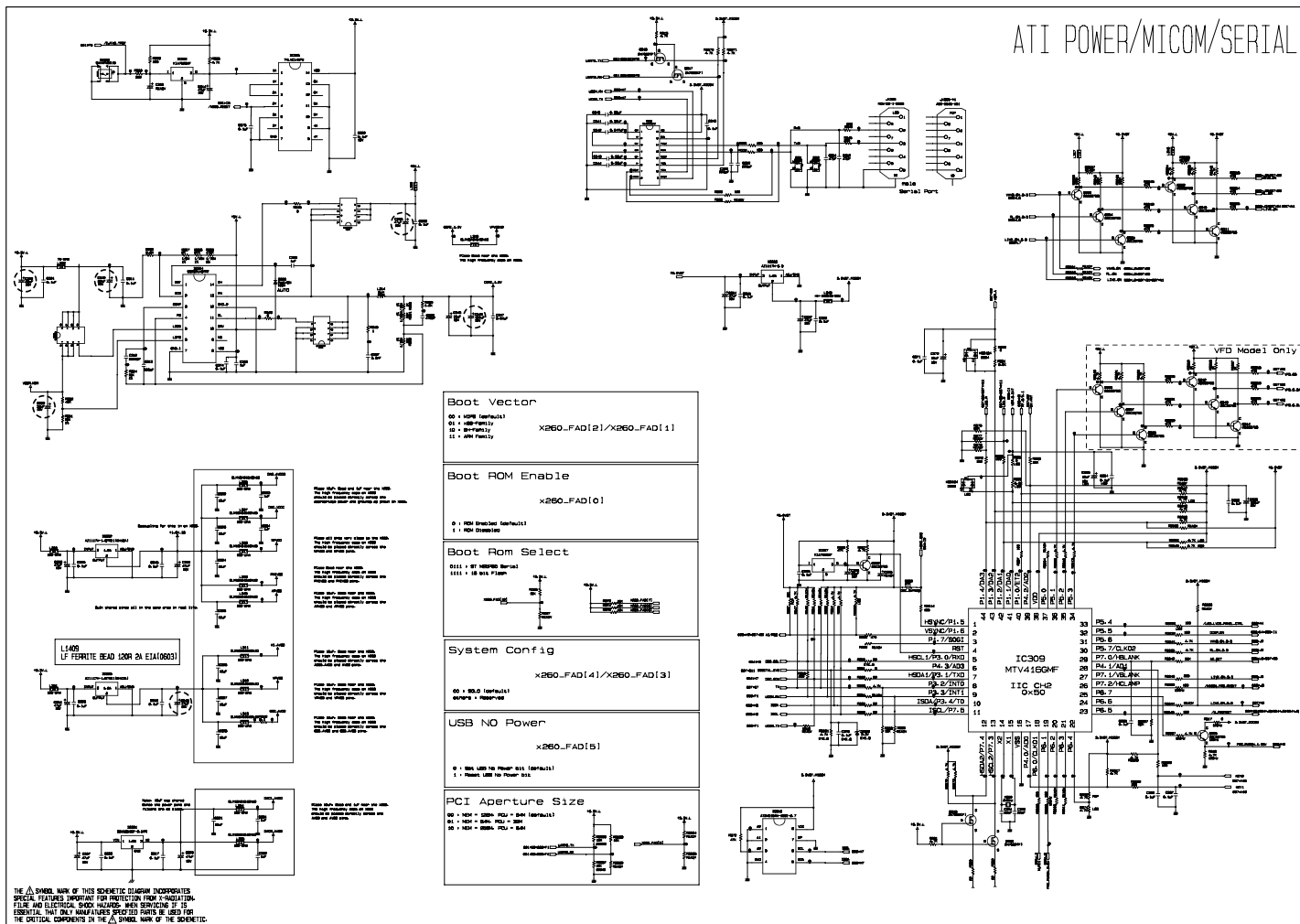
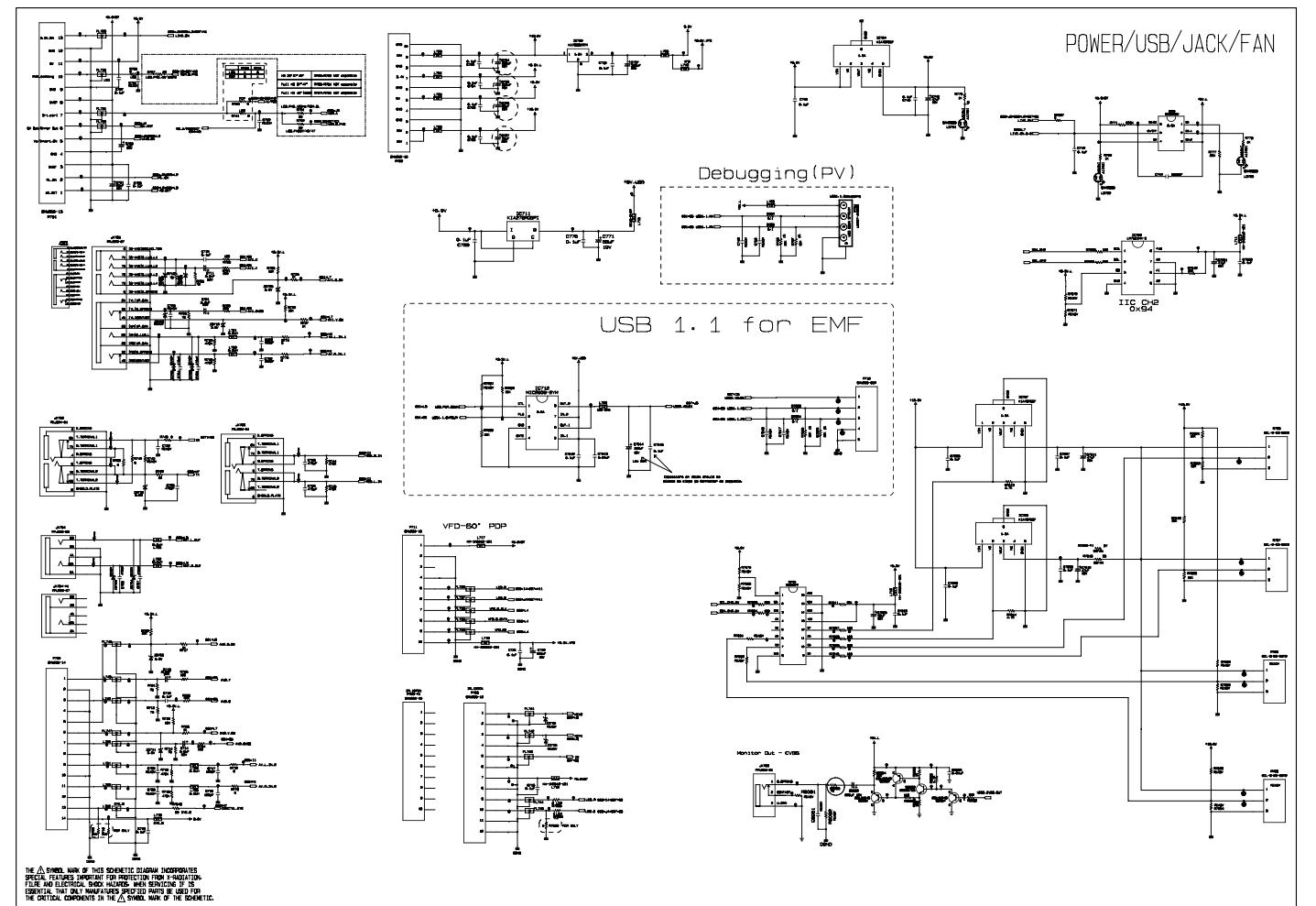
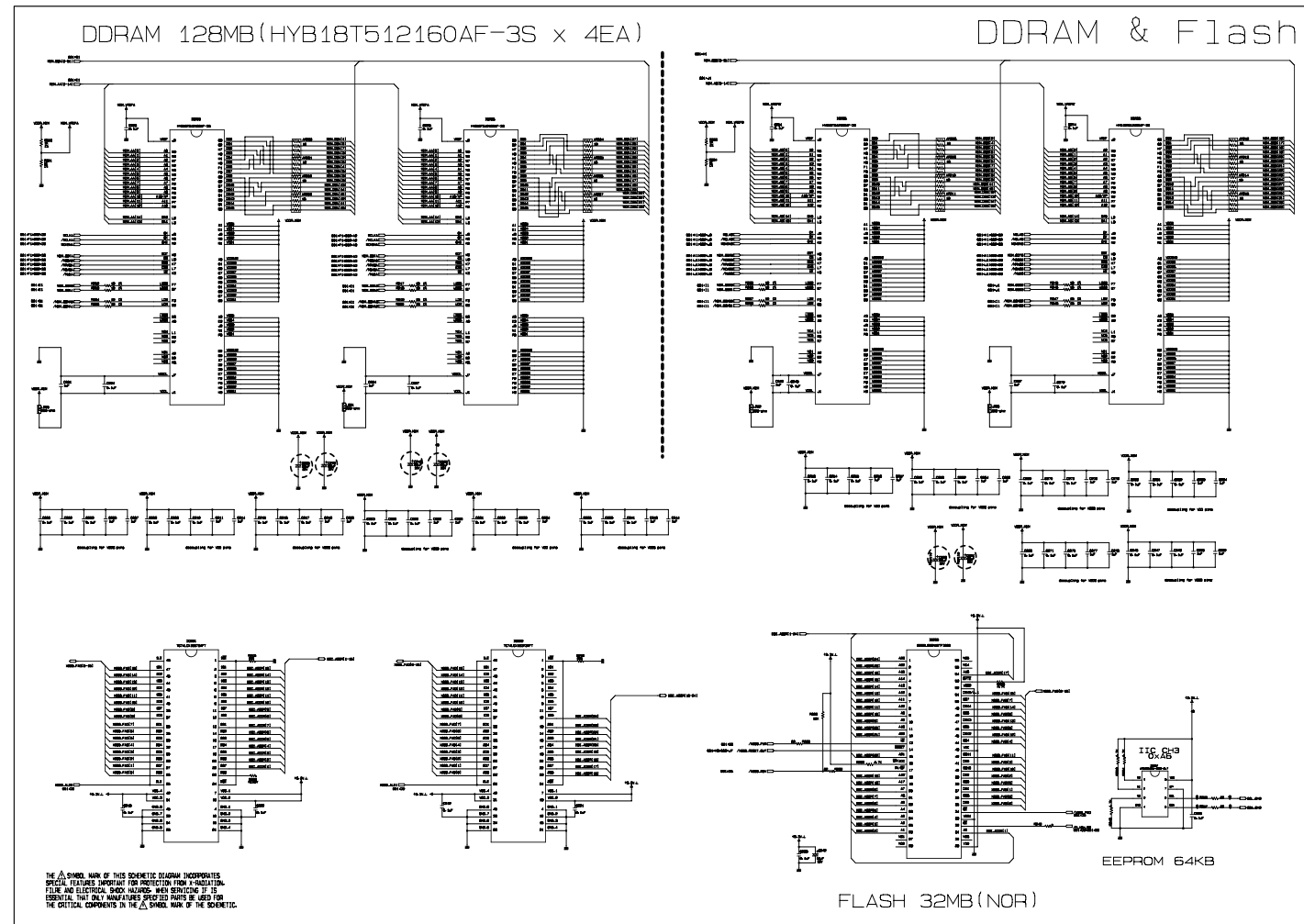
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R4124	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R464	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R413	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R465	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R4138	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R467	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R4139	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R468	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R4140	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005	R469	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R4141	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005	R472	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R4142	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005	R474	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R4143	0RJ2000C678	MCR01MZPJ201 200OHM 5% 1/16W 1005	R475	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R4144	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R476	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R4145	0RJ2000C678	MCR01MZPJ201 200OHM 5% 1/16W 1005	R477	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
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R4148	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R491	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
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R4150	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R496	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
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R419	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005	R5014	0RJ0471D677	MCR03EZPJ4R7 4.7OHM 5% 1/10W 1608
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R423	0RJ1800C678	MCR01MZPJ181 180OHM 5% 1/16W 1005	R5018	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R424	0RJ9101D477	MCR03EZPF912 9.1KOHM 1% 1/10W 160	R5019	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
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R5069	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R665	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R5070	0RJ2201D677	MCR03EZPJ222 2.2KOHM 5% 1/10W 160	R667	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R5071	0RJ2201D677	MCR03EZPJ222 2.2KOHM 5% 1/10W 160	R670	0RJ5601C678	MCR01MZPJ562 5.6KOHM 5% 1/16W 100
R5072	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R670	0RJ6801C678	MCR01MZPJ682 6.8KOHM 5% 1/16W 100
R5073	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R671	0RJ5601C678	MCR01MZPJ562 5.6KOHM 5% 1/16W 100
R5076	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 160	R671	0RJ6801C678	MCR01MZPJ682 6.8KOHM 5% 1/16W 100
R5077	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608	R672	0RJ2001C678	MCR01MZPJ202 2KOHM 5% 1/16W 1005
R5078	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608	R673	0RJ2001C678	MCR01MZPJ202 2KOHM 5% 1/16W 1005
R5079	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 160	R678	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R5080	0RJ1501D677	MCR03EZPJ152 1.5KOHM 5% 1/10W 160	R679	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R5081	0RJ1501D677	MCR03EZPJ152 1.5KOHM 5% 1/10W 160	R680	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R5082	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R681	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R5083	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R682	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R509	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R683	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R514	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005	R684	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R540	0RJ3301C678	MCR01MZPJ332 3.3KOHM 5% 1/16W 100	R685	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R541	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R7	0RH0000D622	MCR10EZJH000 0OHM 5% 1/8W 2012 R/
R542	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R7003	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R543	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R7004	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R559	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R7005	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R560	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R7006	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R581	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R7007	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R582	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R7008	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R583	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R7009	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R584	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R701	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R585	0RJ3001C678	MCR01MZPJ302 3KOHM 5% 1/16W 1005	R7010	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R586	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R7011	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R587	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005	R7012	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R588	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R7013	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R589	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R7014	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R590	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R7016	0RD0332H609	RD-92T1J33R0 33OHM 5% 1/2W 9.0X3.
R591	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R7019	0RJ1202C678	MCR01MZPJ123 12KOHM 5% 1/16W 1005
R593	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005	R702	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R594	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R7020	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R595	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R7021	0RJ1202C678	MCR01MZPJ123 12KOHM 5% 1/16W 1005
R596	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R7022	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R6	0RH0000D622	MCR10EZJH000 0OHM 5% 1/8W 2012 R/	R7035	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R6004	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R705	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R6005	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R7068	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R6006	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R708	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R6007	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R7080	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R6008	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R7082	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R609	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R7083	0RJ0511D677	MCR03EZPJ5R1 5.1OHM 5% 1/10W 1608
R610	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R7084	0RJ0511D677	MCR03EZPJ5R1 5.1OHM 5% 1/10W 1608
R611	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R7085	0RJ1502C478	MCR01MZPF153 15KOHM 1% 1/16W 1005
R614	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R7086	0RJ1502C478	MCR01MZPF153 15KOHM 1% 1/16W 1005

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R7087	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R9017	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R709	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R9018	0RJ0822C678	MCR01MZPJ820 82OHM 5% 1/16W 1005
R710	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R9020	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R712	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005	R9022	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R713	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005	R9023	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R714	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005	R9024	0RJ3301C678	MCR01MZPJ332 3.3KOHM 5% 1/16W 100
R715	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 100	R9027	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R716	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 100	R9028	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R717	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005	R9029	0RJ1202C678	MCR01MZPJ123 12KOHM 5% 1/16W 1005
R718	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 100	R9030	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R719	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 100	R9031	0RJ8201C478	MCR01MZPF8201 8.2KOHM 1% 1/16W 10
R720	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005	R9033	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005
R721	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R9034	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R723	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R9035	0RJ3300C678	MCR01MZPJ331 330OHM 5% 1/16W 1005
R724	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R9036	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R726	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R9038	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R728	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005	R9080	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R729	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R9083	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R730	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R9084	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R733	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R9085	0RJ1500C678	MCR01MZPJ151 150OHM 5% 1/16W 1005
R736	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005	R9086	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005
R737	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005	R9086	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R738	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R9087	0RJ1500C678	MCR01MZPJ151 150OHM 5% 1/16W 1005
R739	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R9088	EBC32174201	MCR01MZPJ112 1.1KOHM 5% 1/16W 10
R740	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R9089	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R744	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 100	R9090	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R745	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 100	R9091	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R748	0RJ0102C678	MCR01MZPJ100 10OHM 5% 1/16W 1005	R9094	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R749	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R9095	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R751	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	HARNESSs & CONNECTORs		
R771	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 160	C1	6631900010L	Harness, 12P 2.0MM 700MM SMH200 SMH200 700
R772	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	C2	6631900012G	Harness, 6631900012G SMH250-10P SMH250-10P
R773	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	C3	6631900024D	Harness, SMH200 SMH200 250mM 2.00MM 3P UL1
R774	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	C4	6631900027E	Harness, SMH250 SMH250 300mM 2.50MM 13P UL
R775	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	C5	6631900028J	Harness, SMH250 SMH250 350MM 2.50MM 7P UL1
R777	0RJ2002D677	MCR03EZPJ203. 20KOHM 5% 1/10W 160	C6	6631900028K	Harness, SMH250 SMH250 500MM 2.50MM 3P UL1
R778	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005	C7	6631900065B	Harness, SMH250 SMH250 200mM 2.50MM 12P UL
R779	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005	C8	6631900099C	Harness, SMH250 SMP250 400mM 2.50MM 3P UL1
R782	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	C9	6631900100D	Harness, SMH250 SMP250 600mM 2.50MM 4P UL1
R783	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	C10	6631900108C	Harness, SMH200 SMH200 350mM 2.00MM 6P UL1
R784	0RJ0511D677	MCR03EZPJ5R1 5.1OHM 5% 1/10W 1608	C11	6631900133E	Harness, LVDS FULL HD (JAE) FI-RE51 (JAE)
R785	0RJ0511D677	MCR03EZPJ5R1 5.1OHM 5% 1/10W 1608	C12	6631T12006Z	Harness, 12505HS-04 12505HS-04 700mM 1.25M
R786	0RJ1502C478	MCR01MZPF153 15KOHM 1% 1/16W 1005	C13	6631T20033K	Harness, 14P(SMH200)_500 SMH200-14P SMH200
R787	0RJ1502C478	MCR01MZPF153 15KOHM 1% 1/16W 1005	C14	6631T20037L	Harness, SMH200 SMH200 700mM 2.00MM 10P UL
R8	0RH4700D622	MCR10EZHJ471 470OHM 5% 1/8W 2012	C15	6631T25019Q	Harness, SMH250-05 SMH250-05 100mM 2.50MM
R8027	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	C16	6631V25032J	Harness, GIL-G-3S-S3C2 GIL-M-3S-S2C2 500mM
R9	0RH4700D622	MCR10EZHJ471 470OHM 5% 1/8W 2012	C17	6631V25032K	Harness, 6631V25032K GIL-G-3P GIL-M-3P 600
R9009	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	C18	6631V39002S	Harness, GP-390-10P-TS GP-390-10P-TS 500MM
R9010	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	C19	6631V39016H	Harness, 1-1123722-10 1-1123722-10 600MM 3
R9011	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	C20	6631V39032A	Harness, 6631V39032A 1123722 LEAD 30mm 3.9
R9012	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	C21	6631V63001E	Harness, EAD00280605 1-480700-0 1-480700-0
R9014	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	C22	6631V63002D	Harness, EAD00280504 1-480698-0 1-480698-0
R9016	0RJ0471C678	MCR01MZPJ4R7 4.7OHM 5% 1/16W 1005	C23	EAD36175202	Harness, USB 1000MM CONNECTOR ASSY SMH200
R9016	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005			
R9017	0RJ0471C678	MCR01MZPJ4R7 4.7OHM 5% 1/16W 1005			

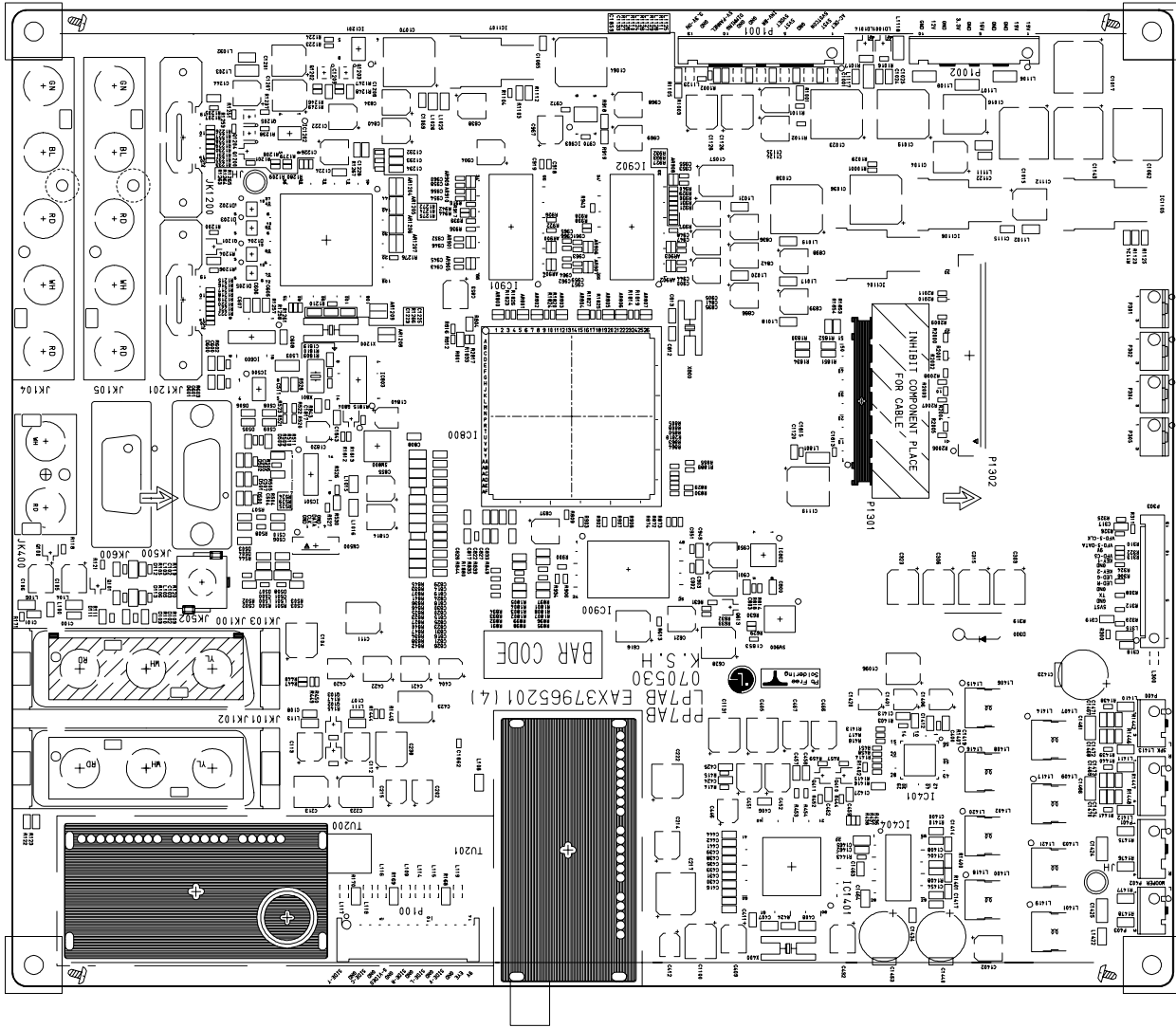
LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C24	EAD36884301	Harness, Extension 12P SMH200-12P SMH200-1	OTHERs		
C25	EAD36925301	Harness, SMH TO SMH(L) SMH200-14P SMH200-1	B1	MAY32943820	Box, DW3 1728 150 513 NO PRINTING 60PY3
J300	6630G70017A	DSUB, A02-0915-101 D-SUB 9P 2.77MM STRA	B2	MAY34210904	Box, DW 1744 1121 533 2 COLOR 60PY30
J405	6630G70016A	DSUB, A03-7071-094 D-SUB 15P 2.29MM STR	CA1	68509A0004E	Cable, Assembly RCA JACK 1.0M 1365 BLACK
JK300	6630G70017A	DSUB, A02-0915-101 D-SUB 9P 2.77MM STRA	X100	EAW30352304	Crystal, 9C55400023(16pf) 55.474MHZ 30PPM
JK405	6630G70016A	DSUB, A03-7071-094 D-SUB 15P 2.29MM STR	X300	6202TST001E	Crystal, SX-1 24MHZ 30PPM(20PF) 24MHZ 30PPM
P5	6630SK00604	USB, UAR27-4K2300 A 1P 2.50MM ANGLE DI	X400	6202VDT002B	Crystal, SX-1 14.31818MHZ 30PPM(16PF) 14.31818MHZ
CW	6630V90142A	Wafer, TPH254-R-1419-6A 6P 2.54MM 2R ANG	X500	6202VDT002H	Crystal, SX-1 18.432MHZ 30PPM(16PF) 18.432MHZ
P1	6602T20009E	Wafer, SMAW200-06P 6P 2.00MM 1R ANGLE DI	IC2	6712000014A	Receiver Module, KSM-2013TH2A 0A 37.9KHZ 12.4M
P2	6602T20008D	Wafer, SMW200-05P 5P 2.00MM 1R STRAIGHT	IC205	SAA30889108	S/W, Firmware 3.11 9EB7 AUSTRALIA FLASH ROM
P3	6602T20008N	Wafer, SMW200-14P 14P 2.00MM 1R STRAIGHT	IC309	SAA30890003	S/W, Firmware 3.00 86B9 AUSTRALIA Micom
P401	6602T12004C	Wafer, 12505WS-04A00 4P 1.25MM 1R STRAIG	IC706	0IPRPNS054A	Sensor, Temperature LM75CIMX-3 3TO5.5V SOP 8P
P501	6602T25008C	Wafer, SMW250-04P 4P 2.50MM 1R STRAIGHT	SW300	6600VR1004A	Switch, Tact SKHMPWE010 1C1P 12VDC 0.05A
P502	6602T25008B	Wafer, SMW250-03P 3P 2.50MM 1R STRAIGHT	TU9001	EBL32961505	Tuner, Digital TDFC-G116P DVB-T/PAL
P600	6630V93270A	Wafer, FI-RE51S-HFK-A 51P 0.50MM 1R ANGL	VR400	6102W5V016A	Varistor, AVRL161A1R1NT 10V 30% 1.1pF
P700	6602T20008N	Wafer, SMW200-14P 14P 2.00MM 1R STRAIGHT	VR401	6102W5V016A	Varistor, AVRL161A1R1NT 10V 30% 1.1pF
P701	6602T25008M	Wafer, SMW250-13P 13P 2.50MM 1R STRAIGHT	VR402	6102W5V016A	Varistor, AVRL161A1R1NT 10V 30% 1.1pF
P702	6602T25008J	Wafer, SMW250-10P 10P 2.50MM 1R ANGLE DI	VR403	6102W5V016A	Varistor, AVRL161A1R1NT 10V 30% 1.1pF
P703	6602T20008L	Wafer, SMW200-12P 12P 2.00MM 1R STRAIGHT	VR404	6102W5V016A	Varistor, AVRL161A1R1NT 10V 30% 1.1pF
P706	366-932B	Wafer, GIL-G-03P-S3T2-E(TYPOE) 3P 2.50MM	VR405	6102W5V016A	Varistor, AVRL161A1R1NT 10V 30% 1.1pF
P707	366-932B	Wafer, GIL-G-03P-S3T2-E(TYPOE) 3P 2.50MM	VR406	6102W5V016A	Varistor, AVRL161A1R1NT 10V 30% 1.1pF
P711	6602T20008J	Wafer, SMW200-10P 10P 2.00MM 1R STRAIGHT	VR407	6102W5V016A	Varistor, AVRL161A1R1NT 10V 30% 1.1pF
P712	6602T20008D	Wafer, SMW200-05P 5P 2.00MM 1R STRAIGHT	VR408	6102W5V016A	Varistor, AVRL161A1R1NT 10V 30% 1.1pF
P800	366-932B	Wafer, GIL-G-03P-S3T2-E(TYPOE) 3P 2.50MM	VR409	6102W5V016A	Varistor, AVRL161A1R1NT 10V 30% 1.1pF
JACKs			VR410	6102W5V016A	Varistor, AVRL161A1R1NT 10V 30% 1.1pF
J400	EAG35540801	PPJ209-03 14.0MM 1RX5C STRAIGHT T	VR411	6102W5V016A	Varistor, AVRL161A1R1NT 10V 30% 1.1pF
J401	EAG35540801	PPJ209-03 14.0MM 1RX5C STRAIGHT T	ACCESSORY		
J402	6612B00015B	DC1R019WDH SOCKET 21P STRAIGHT SM	A1	SAC30653104	Title, EN(1) FULL ATL DVR CD MANUAL
J403	6612B00015B	DC1R019WDH SOCKET 21P STRAIGHT SM	A1	MFL37734802	Manual, Owners Simple book EN(1) ATL DTV
J404	6612B00015B	DC1R019WDH SOCKET 21P STRAIGHT SM	A2	MKJ32022832	Remote Controller, COMPLEX, FULL HD, NON DVR
J702	6612F00099A	PEJ024-01 1P 4P STRAIGHT TR 3.6MM	A21	3550V00590A	Cover, MOLD ABS 50PC3DD-UE.AUSRSRHR
J703	6612F00099A	PEJ024-01 1P 4P STRAIGHT TR 3.6MM	A3	EAD36444601	Power Cord, LP-23A + LS-13L 1.87M 250V 10A
J704	EAG35541501	PPJ200-08 14.0mm 1RX2C STRAIGHT B	A5	3880TKZ004E	Bag, COMPLEX VINYL 180*150 0.58 H&C MODEL
J705	EAG35541101	PMJ029-07 14P DIN/RCA 14MM STRAIG	A6	FAB30006305	Screw, Taptitle 1SZZ9PT004A TH + P 4MM 12MM
J706	EAG35542201	PPJ204-01 12.0MM 1RX1C STRAIGHT B			
J9000	6612J10025A	KCN-BT-0-0055 4P PAL/RCA - ANGLE			
JK	EAG32151101	TOX177L(F,T) 3P TX 2.54MM ANGLE 1			
JK400	EAG35540801	PPJ209-03 14.0MM 1RX5C STRAIGHT T			
JK401	EAG35540801	PPJ209-03 14.0MM 1RX5C STRAIGHT T			
JK402	6612B00015B	DC1R019WDH SOCKET 21P STRAIGHT SM			
JK403	6612B00015B	DC1R019WDH SOCKET 21P STRAIGHT SM			
JK404	6612B00015B	DC1R019WDH SOCKET 21P STRAIGHT SM			
JK702	6612F00099A	PEJ024-01 1P 4P STRAIGHT TR 3.6MM			
JK703	6612F00099A	PEJ024-01 1P 4P STRAIGHT TR 3.6MM			
JK704	EAG35541501	PPJ200-08 14.0mm 1RX2C STRAIGHT B			
JK705	EAG35541101	PMJ029-07 14P DIN/RCA 14MM STRAIG			
JK706	EAG35542201	PPJ204-01 12.0MM 1RX1C STRAIGHT B			
JK9000	6612J10025A	KCN-BT-0-0055 4P PAL/RCA - ANGLE			
P4	6612J10033A	PMJ016-13 13P DIN/RCA 14MM ANGLE			



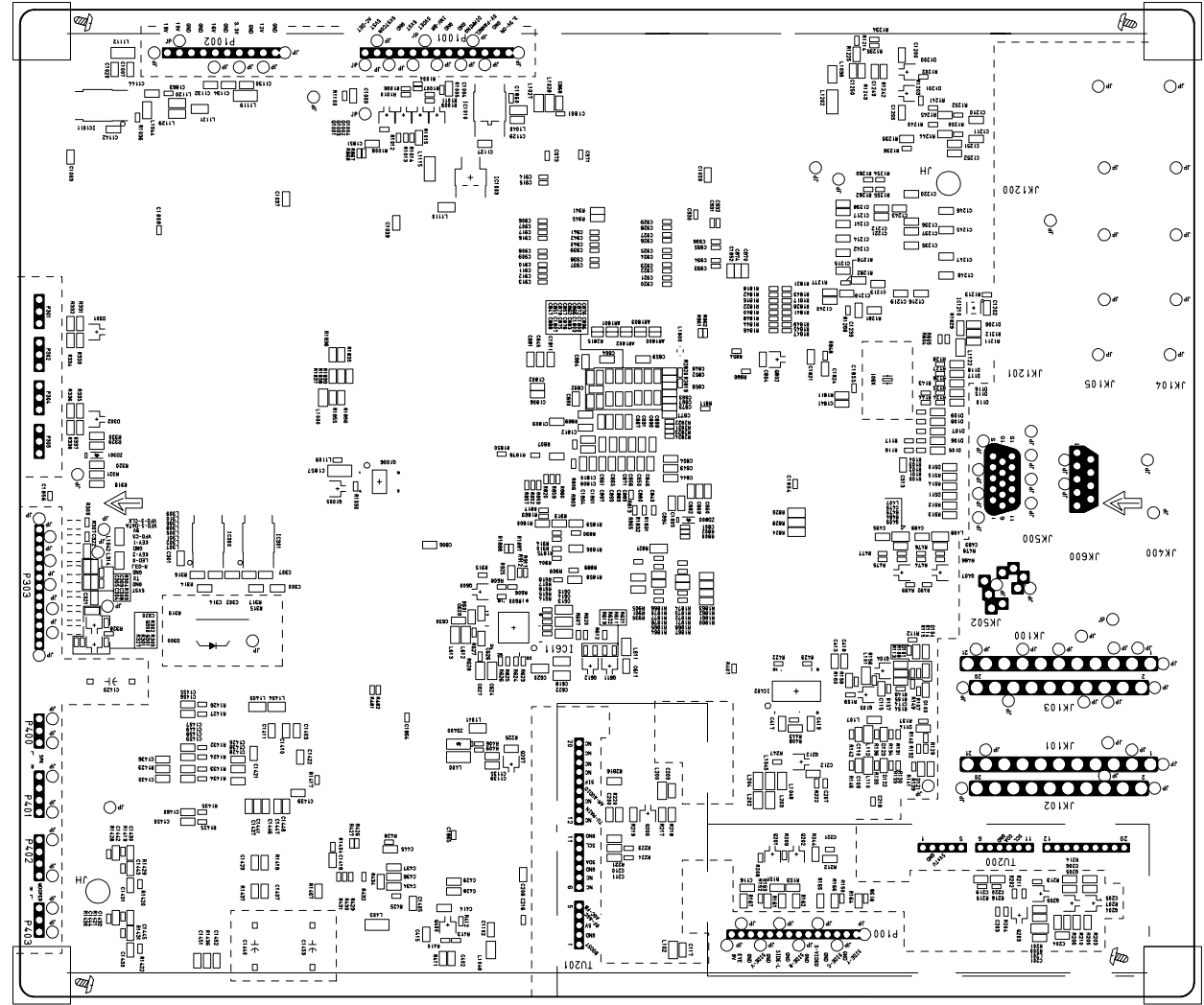


PRINTED CIRCUIT BOARD

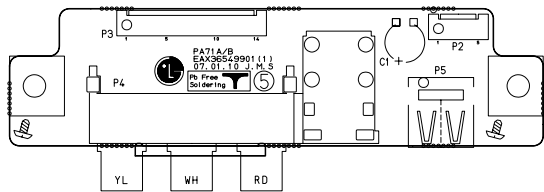
MAIN(TOP)



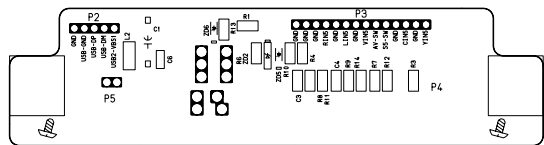
MAIN(BOTTOM)



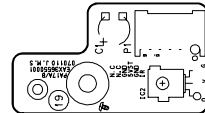
SIDE A/V(TOP)



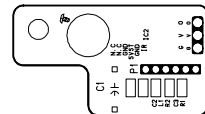
SIDE A/V(BOTTOM)



Pre AMP(TOP)



Pre AMP(BOTTOM)





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