S/M No. : TCN011NEF0

Service Manual

Color Television

CHASSIS : CN-011

Model :
DTQ-29S3FC
DTQ-26S3FC
DTQ-26S3FCM

] **U.S.A**
Canada

DTQ-29S3FC

DTQ-26S3FC

DTQ-26S3FCM

■SPECIFICATIONS

ITEMS \ MODEL	DTQ-29S3FC	DTQ-26S3FC	DTQ-26S3FCM
TV STANDARD	NTSC-M		
POWER INPUT	AC 120V 60Hz		
POWER CONSUMPTION	97W	95W	90W
TUNING SYSTEM	Frequency Synthesizer(FS)Tuning System		
TUNING RANGES	VHF:2~13(12) UHF:14~69(65) CATV:1~125(125)		
SOUND OUTPUT	1.8W×1.8W	1.8W+1.8W	1.8W
SPEAKER	3W 8ohm		
ANTENNA INPUT IMPEDANCE	75ohm Unbalanced		
AUXILIARY INPUT TERMINAL	Front : Video, Audio Rear:Video, Audio		
INTERMEDIATE FREQUENCIES	Picture IF Carrier Frequency :45.75MHz Sound IF Carrier Frequency :41.25MHz Color Sub-Carrier Frequency :42.17MHz		
REMOTE CONTROL	R-43A01		
SPECIAL FUNCTIONS	3-Language OSD With CAPTION Wake-up On/Off Time Sleep Timer Power Restore		

✔ Caution

: In this Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information,please refer to PPL(Parts Price List) in Service Information Center (http://svc.dwe.co.kr).

DAEWOO ELECTRONICS CO., LTD

http : //svc.dwe.co.kr Aug. 2000

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TROUBLE SHOOTING CHARTS 13

PRODUCT SAFETY SERVICING GUIDELINES FOR COLOR TELEVISION RECEIVERS

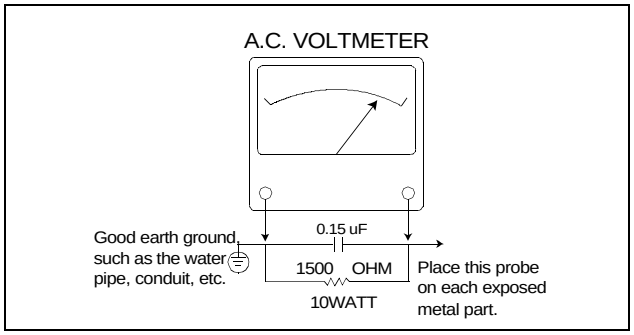
CAUTION : Do not attempt to modify this product in any way. Unauthorized modifications will not only void the warranty, but may lead to your being liable for any resulting property damage or user injury.
Service work should be performed only after you are thoroughly familiar with all of the following safety checks and servicing guidelines. To do otherwise, increases the risk of potential hazards and injury to the user.

SAFETY CHECKS

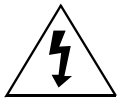
After the original service problem has been corrected, a check should be made of the following:

SUBJECT : FIRE & SHOCK HAZARD

1. Be sure that all components are positioned in such a way as to avoid possibility of adjacent component shorts. This is especially important on those chassis which are transported to and from the repair shop.
2. Never release a repair unless all protective devices such as insulators, barriers, covers, shields, strain reliefs, and other hardware have been reinstalled per original design.
3. Soldering must be inspected to discover possible cold solder joints, frayed leads, damaged insulation (including A.C. cord), solder splashes or sharp solder points. Be certain to remove all loose foreign particals.
4. Check for physical evidence of damage or deterioration to parts and components, and replace if necessary follow original layout, lead length and dress.
5. No leads or components should touch a receiving tube or a resistor rated at 1 watt or more. Lead tension around protruding metal surfaces must be avoided.
6. All critical components such as fuses, flameproof resistors, capacitors, etc. must be replaced with exact factory types. Do not use replacement components other than those specified or make unrecommended circuit modifications.
7. After re-assembly of the set always perform an A.C. leakage test on all exposed metallic parts of the cabinet, (the channel selector knob, antenna terminals, handle and screws) to be sure the set is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this test. Use an A.C. voltmeter, having 5000 ohms per volt or more sensitivity, in the following manner : connect a 1500 ohm 10 watt resistor, paralleled by a 15 mfd. 150V A.C. type capacitor between a known good earth ground (9water pipe, conduit, etc.) and the exposed metallic parts, one at a time. Measure the A.C. voltage across the combination of 1500 ohm resistor and 0.15 MFD capacitor. Reverse the A.C. plug and repeat A.C. voltage measurements for each exposed metallic part. Voltage measured must not exceed 0.75 volts R.M.S. This corresponds to 0.5 milliamp A.C. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.

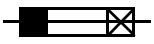


GRAPHIC SYMBOLS :



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the service personnel to the presence of uninsulated "dangerous voltage" that may be of sufficienty magnitude to constitute a risk of electric shock.

The exclamation point within an equilateral triangle is intended to alert the service personnel to the presence of important safety information in service literature.



Fuse symbol is printed on pcb adjacent to the fuse, with "RISK OF FIRE REPLACE FUSE AS MARKED". The symbol is explained in the service manual with the following wording or equivalent.

"CAUTION : FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE (5A, 125V)" and "**ATTENTION**: AFIN D'ASSU UNE PROTECTION PERMANENTE CONTRE LES RISQUES D INCENDIE, REMPLACER UNIQUEMENT PAR UN FUSIBLE DE MEME TYPE ET DE '5A, 125V".

SUBJECT : X-RADIATION

1. Be sure procedures and instructions to all service personnel cover the subject of X-rays in current T.V. receivers is the picture tube. However, this tube does not emit X-rays when the high voltage is at the factory specified level. The proper value is given in the applicable schematic. Operation at higher voltages may cause a failure of the picture tube or high voltage supply and, under certain circumstances, may produce radiation in excess of desirable levels.
2. Only factory specified C.R.T. anode connectors must be used. Degaussing shields also serve as X-ray shield in color sets. Always re-install them.
3. It is essential that the serviceman has available an accurate and reliable high voltage meter. The calibration of the meter should be checked perio - dically against a reference standard. Such as the one available at your distributor.
4. When the high voltage circuitry is operating properly there is no possibility of an X-radiation problem. Every time a color chassis is serviced, the brightness should be run up and down while monitoring the high voltage with a meter to be certain that the high voltage does not exceed the specified value and that it is regulating correctly. We suggest that you and your service organization review test procedures so that voltage regulation is always checked as a standard servicing procedure. And that the high voltage reading be recorded on each customer's invoice.
5. When troubleshooting and making test measurements in a receiver with a problem of excessive high voltage, avoid being unnecessarily close to the picture tub eand the high voltage compartment.
   Do not operate the chassis longer than is necessary to locate the cause of excessive voltage.
6. Refer to HV, B+and Shutdown adjustment procedures described in the appropriate schematic and diagrams(where used).

SUBJECT : IMPLOSION

1. All direct viewed picture tubes are equipped with an integral implosion protection system, but care should be taken to avoid damage during installation. Avoid scratching the tube. If scratched, replace it.
2. Use only recommended factory replacement tubes.

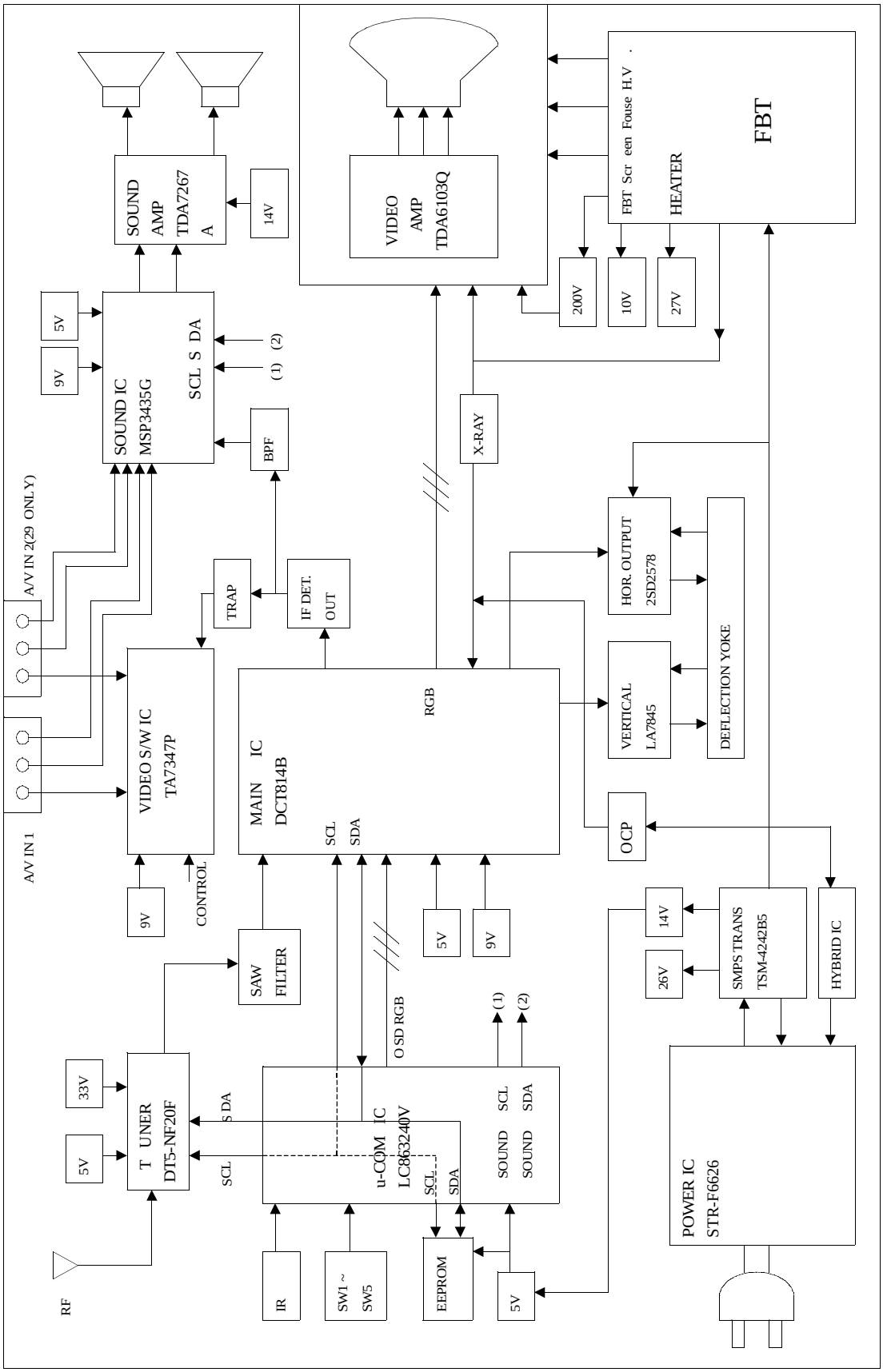
SUBJECT : TIPS ON PROPER INSTALLATION

1. Never install any receiver in closed-in recess, cubbyhole or closely fitting shelf space over, or close to heat duct, or in the path of heated air flow.
2. Avoid conditions of high humidity such as : Outdoor patio installations where dew is a factor. Near steam radiators where steam leakage is a factor, etc.
3. Avoid placement where draperies may obstruct rear venting. The customer should also avoid the use of decorative scarves or other coverings which might obstruct ventilation.
4. Wall and shelf mounted installations using a commercial mounting kit, must follow the factory approved mounting instructions. A receiver mounted to a shelf or platform must retain its original feet(or the equivalent thickness in spacers) to provide adequate are flow across the bottom, bolts or screws used for fasteners must not touch and parts or wiring. Perform leakage test on customized installations.
5. Caution customers against the mounting of a receiver on sloping shelf or a tilted position, unless the receiver is properly secured.
6. A receiver on a roll-about cart should be stable on its mounting to the cart. Caution the customer on the hazards of trying to roll a cart with small casters across thresholds or deep pile carpets.
7. Caution customers against the use of a cart or stand which has not been listed by underwriters laboratories, inc. For use with their specific model of television receiver or generically approved for use with T.V.'s of the same or larger screen size.

SPECIFICATIONS

MODEL / ITEMS	DTQ-29S3FC	DTQ-26S3FC	DTQ-26S3FCM	REMARKS
TV STANDARD	NTSC-M			
POWER INPUT	AC 120V 60 Hz			
POWER CONSUMPTION	97W	95W	90W	
TUNING SYSTEM	Frequency Synthesizer (FS) Tuning System			
TUNING RANGES	VHF : 2 ~ 13 (12) UHF : 14 ~ 69 (56) CATV : 1 ~ 125 (125)			
SOUND OUTPUT	1.8W × 1.8W	1.8 W+1.8 W	1.8W	
SPEAKER	3 W 8 ohm			
ANTENNA INPUT IMPEDANCE	75 ohm Unbalanced			
AUXILIARY INPUT TERMINAL	Front : Video, Audio Rear : Video, Audio			
INTERMEDIATE FREQUENCIES	Picture IF Carrier Frequency : 45.75 MHz Sound IF Carrier Frequency : 41.25 MHz Color Sub-Carrier Frequency : 42.17 MHz			
REMOTE CONTROL	R-43A01			
SPECIAL FUNCTIONS	3-Language OSD With CAPTION Wake-up On/Off Time Sleep Timer Power Restore			

CIRCUIT BLOCK DIAGRAM



ALIGNMENT INSTRUCTIONS

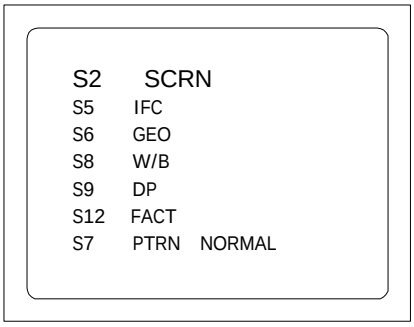
1. SERVICE MODE ADJUSTMENTS

Follow the steps below whenever service adjustment is required. See Table- A and Table- B to determine if service adjustments are required.

1) How to enter the service mode using the user remote control.

- Turn the set on.
- Direct the remote control to the reception window of TV.
- Push buttons of remote control in sequence as follows.

  1 ® MUTE ® DISPLAY ® MUTE
- Then, the screen will appear as follows.



- Using the channel up or channel down button, select the item you wish to adjust. (The color of selected item turns into the red.)
- Press the volume up or down button to enter in the service mode you wish to adjust.

2) How to memorize the adjusted values in the service mode.

- Must press **DISPLAY** button the state which the screen is displaying each of service menus after all adjustments are completed each of all service menu.

Table-A : Adjust the values of service mode when a part is replaced.

PART REPLACED	ADJUSTMENT		NOTES
	NECESSARY	UNNECESSARY	
I701 (U-COM)		O	Data is stored in I703.
I101 (MAIN)		O	
I703 (EEPROM)	O		Initial setting values are written from I701. Adjusting Items S5 RFAGCD S6 H.PHASE/V.POSI/V.SIZE S8 RD/BD/RB/GB/BB S9 Subbrightness
CRT	O		Adjust items related to picture tube only.(White Balance adjustment)

Table-B

MODE	ADJUSTMENT ITEMS	DATA		REMARKS
		INITIAL	RANGE	
S2	Screen Adjustment	-	-	
S5	Auto RF AGC	-	-	
	Video Level (VIDEOL)	7	0 ~ 7	Must be set to 7
	RF AGC Delay (RFAGCD)	*	0 ~ 63	Align RF AGC threshold
	FM Level (FM.LEV)	8	0 ~ 31	Must be set to 20
	AGC Point	3.75	-	Select AGC reference voltage
	A/D VALUE	-	-	
S6	Horizontal Phase(H.PHASE)	*	0 ~ 31	Align sync to flyback pulse, using internal cross pattern(S7)
	Vertical Position (V.POSI)	*	0 ~ 63	Align vertical DC bias, using internal cross pattern(S7)
	Vertical Size (V.SIZE)	*	0 ~ 127	Align vertical amplitude, using internal cross pattern(S7)
	NO SD POWER OFF	YES	-	Automatically turn off in 15min for no received signal.
	Vertical S-Correction (V SC)	0	0 ~ 31	Must be set to 6
	Vertical Linearity (V LIN)	20	0 ~ 31	Must be set to 16
S7	Internal Black	-	-	Display internal BLACK pattern
	Internal 100% White	-	-	Display internal 100% WHITE
	Internal 60% White	-	-	Display internal 60% WHITE
	Internal Cross Pattern	-	-	Display internal CROSS pattern
S8	Red Drive (RD)	*	0 ~ 127	Align RED OUT AC level
	Green Drive (GD)	10	0 ~ 15	Must be set to 10
	Blue Drive (BD)	*	0 ~ 127	Align BLUE OUT AC level
	Red Bias (RB)	*	0 ~ 255	Align RED OUT DC level
	Green Bias (GB)	*	0 ~ 255	Align GREEN OUT DC level
	Blue Bias (BB)	*	0 ~ 255	Align BLUE OUT DC level
S9	Subbrightness	*	0 ~ 127	Align common RGB DC level
	Contrast	10	0 ~ 27	
	Tint	27	0 ~ 27	
	Color	15	0 ~ 27	
S12	Forwarding Mode	-		Factory Initialization

* indicates the items with different settings each of sets

2. ASSEMBLY ADJUSTMENTS

1) SCREEN ADJUSTMENT (S2)

- Enter the service mode and select service adjustment S2.
- You can see the one horizontal line on the screen.
- Adjust the Screen Control Volume (located on FBT) so that the horizontal line onscreen may be disappeared.
- Press the volume up or down button to exit in the screen adjustment mode.

NOTE

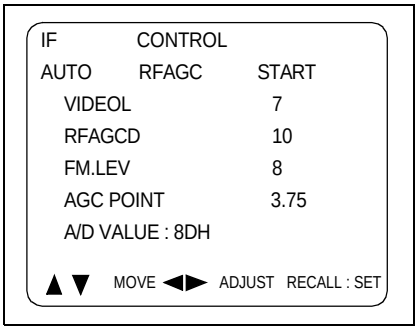
IN THE SCREEN ADJUSTMENT MODE, DONT PRESS OTHER BUTTONS EXCEPT VOLUME UP OR DOWN BUTTON.

2) FOCUS ADJUSTMENT

- Turn in a local station and adjust the Focus Control knob (located on FBT) for best picture details at high light condition.

3) RF AGC DELAY ADJUSTMENT (S5)

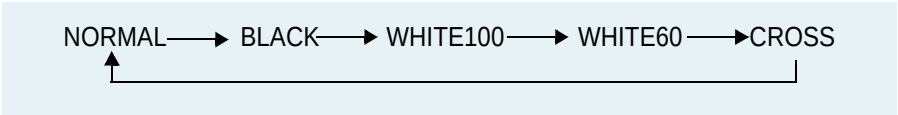
- Receive a good local channel.
- Enter the service mode and select service adjustment S5.
- You can see the OSD as shown in below.



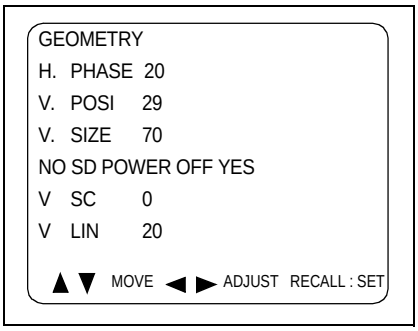
- Select RFAGCD item, press the volume up or down button until noise or beat in picture disappears.
- Press the DISPLAY button to memorize the data.

4) GEOMETRIC ADJUSTMENTS (S6)

- Enter the service mode and select service adjustment S7.
- Whenever you select the "S7" using the volume up or down button, the screen is changing like this.



- Using the volume up or down button, select internal cross pattern.
- Select service adjustment S6
- You can see the OSD as shown in below.



4-1. Horizontal Position Adjustment

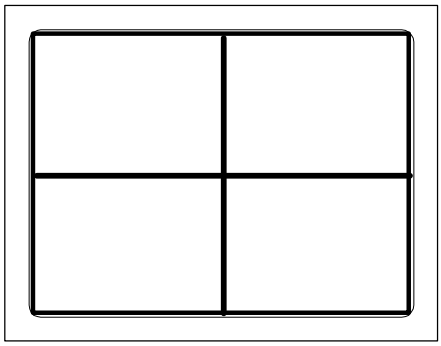
- Select H.PHASE item, adjust H.PHASE data value to obtain proper horizontal centering of the internal cross pattern at the left and right of the screen.

4-2. Vertical Position Adjustment

- Select V.POSI item, adjust V.POSI data value to center the raster properly on thescreen.

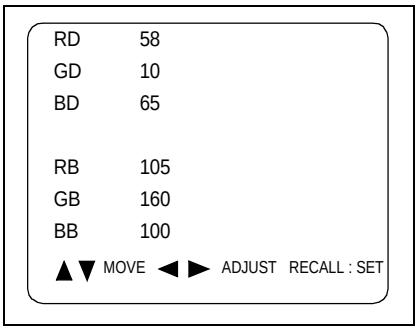
4-3. Vertical Size Adjustment

- Select "V.SIZE" item, adjust "V.SIZE" data value to proper vertical size as follows.



5) WHITE BALANCE ADJUSTMENT(S8)

- Receive a good local channel.
- Enter the service mode and select service adjustment S8.
- You can see the OSD as shown in below.

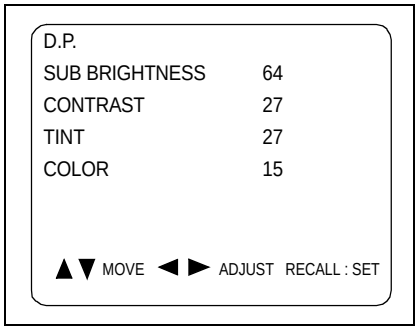


- Using volume up or volume down, adjust service adjustment data of RD/GD/BD and RB/GB/BB until a good gray scale with normal whites is obtained.ALIGNMENT INSTRUCTIONS
- Press the DISPLAY button to memorize the data.

6) DIGITAL PRESET(D.P) ADJUSTMENTS(S9)

SUBBRIGHTNESS ADJUSTMENT

- Receive a good local channel.
- Enter the service mode and select service adjustment S9.
- You can see the OSD as shown in below.



- Select Subbrightness item, adjust Subbrightness data value to obtain normal brightness level.
- Press the DISPLAY button to memorize the data.

CONTRAST

- Fixed value = 27

TINT

- Fixed value = 27

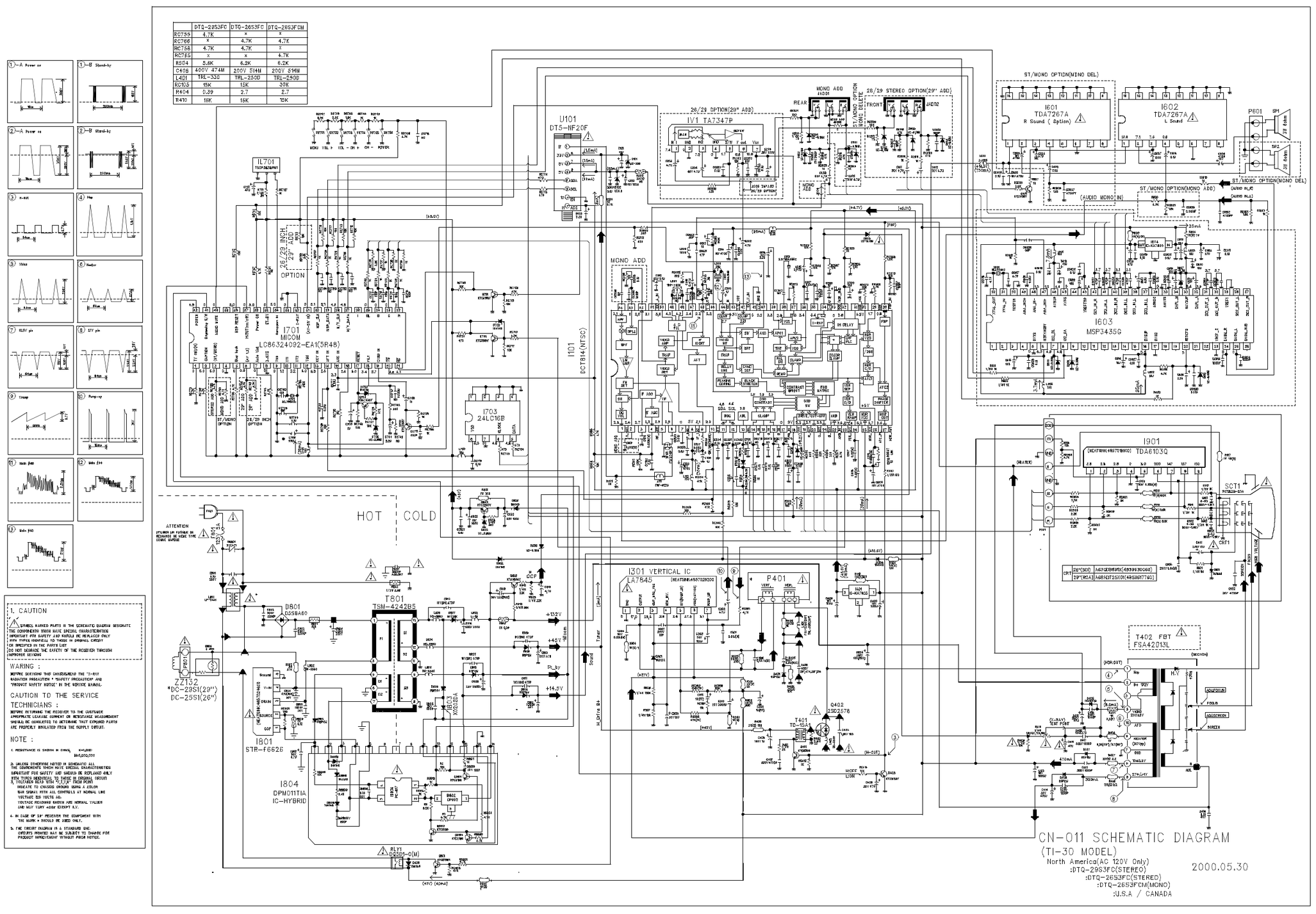
COLOR

- Fixed value = 15

7) FACTORY OUTGOING MODE (S12 : FACT)

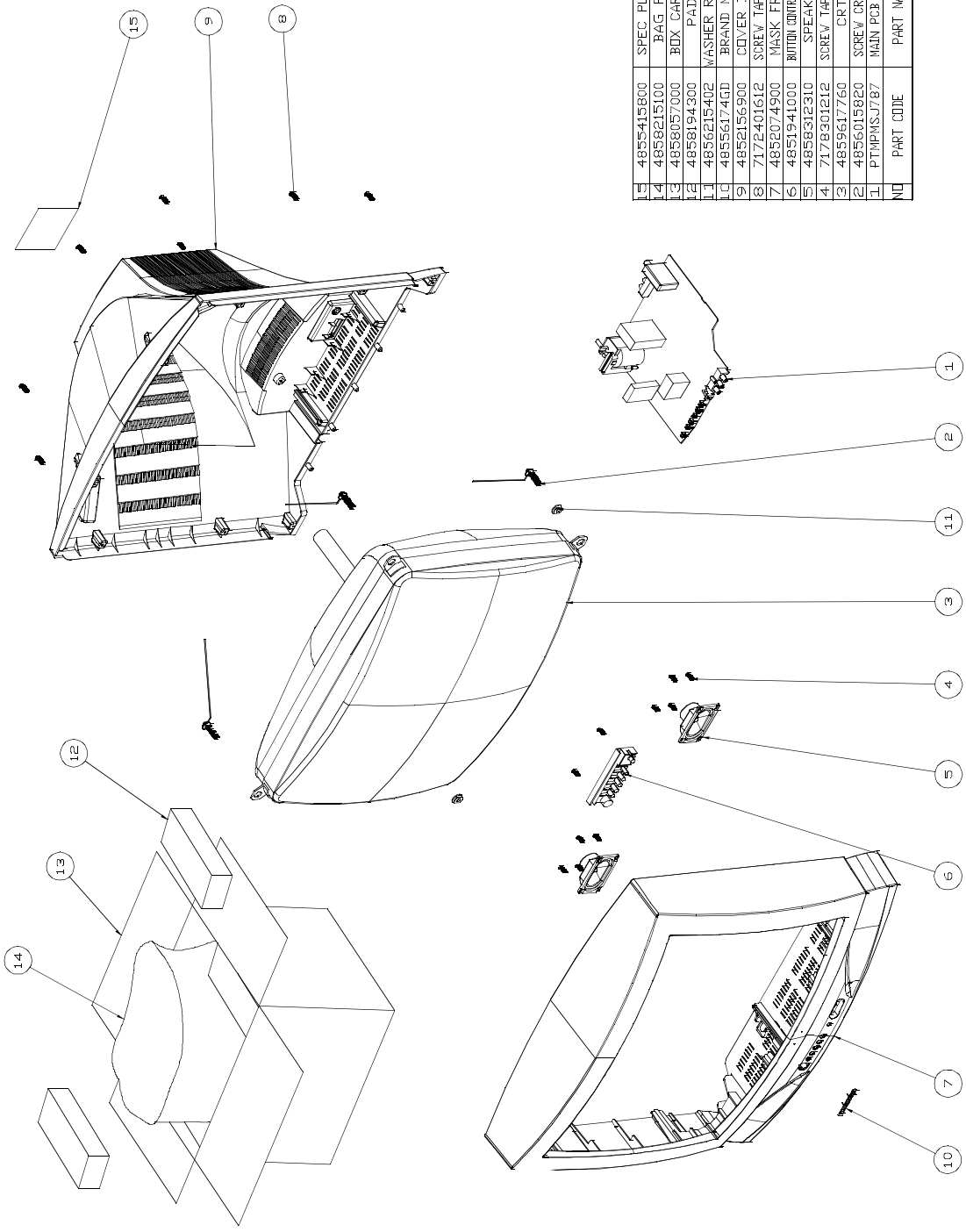
- If you select the S12, then the set becomes factory outgoing status.
- You can see the OSD "outgoing OK"

SCHEMATIC DIAGRAM



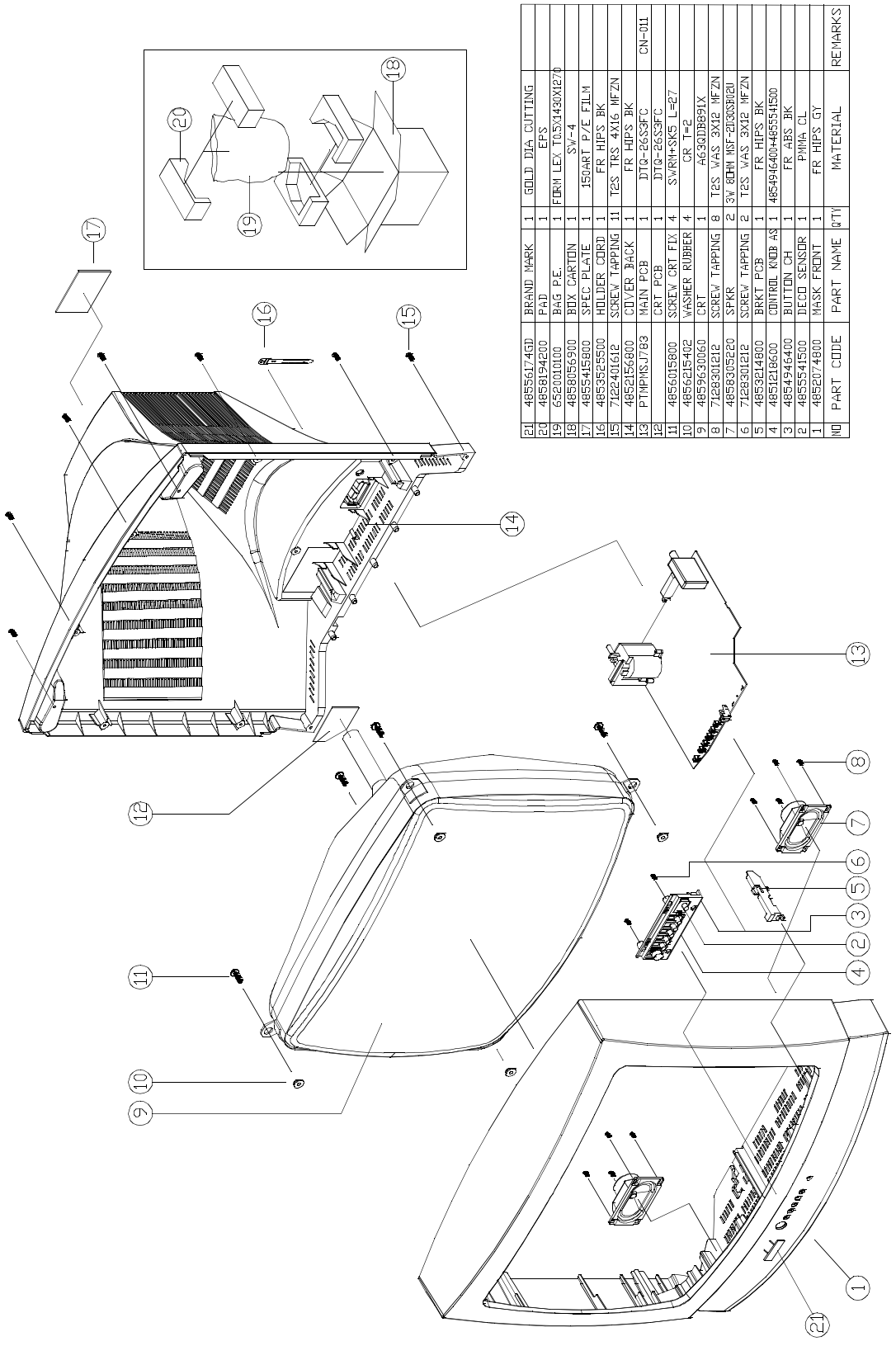
EXPLODED VIEW

1. DTQ-29S3FC



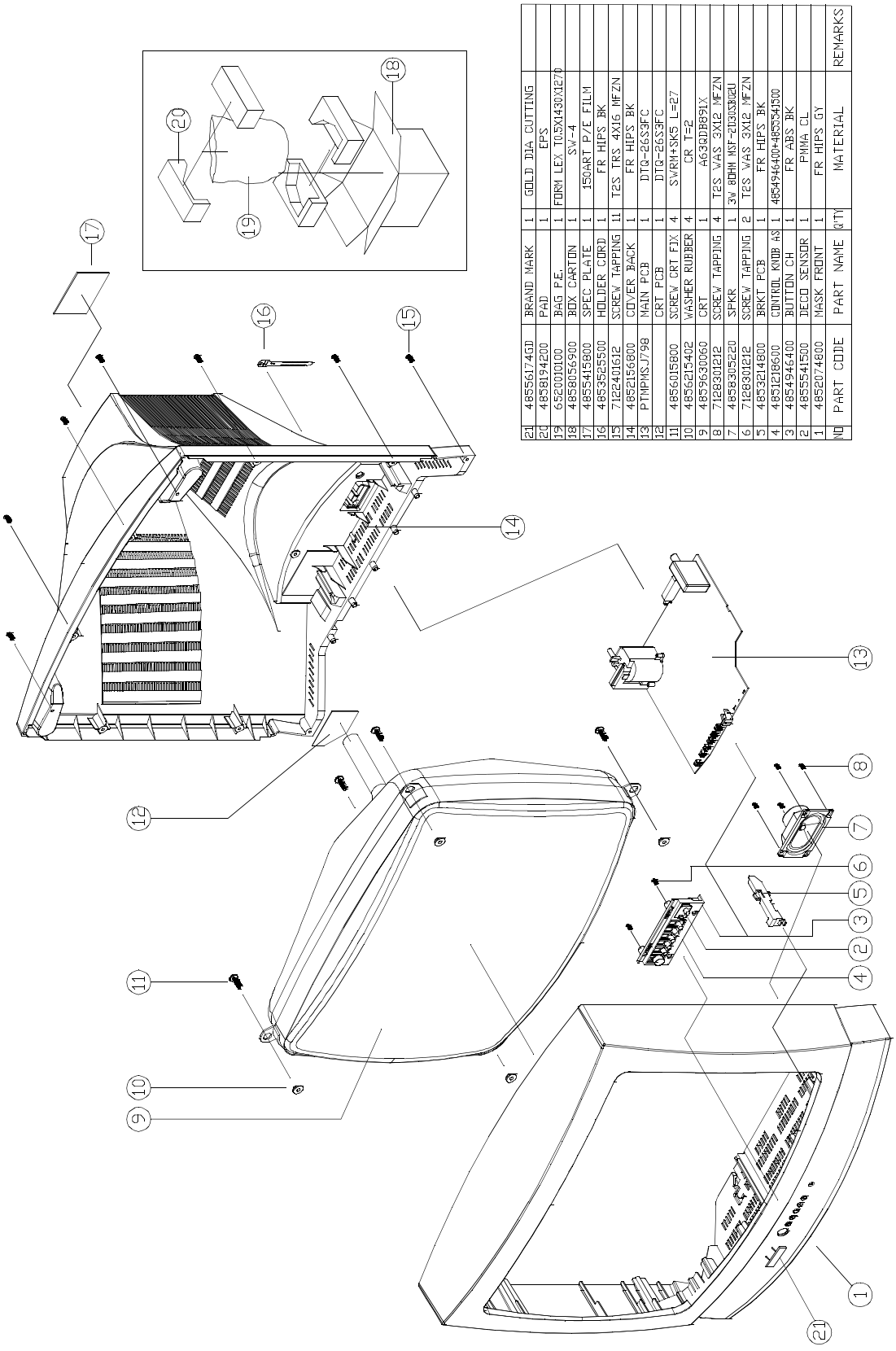
NO	PART CODE	PART NAME	QTY	MATERIAL	REMARKS
15	4855415800	SPEC PLATE	1	150ART P/E FILMCC/TV2	
14	4858215100	BAG P.E	1	FOAM LEX T0.5X1430X1270	
13	4858057000	BOX CARTON	1	SW-4	
12	4858194300	PAD	1	EPS	
11	4856215402	WASHER RUBBER	2	CR T2.0	
10	4855617460	BRAND MARK	1	GOLD DIA CUTTING	
9	4852156900	COVER BACK	1	FR HIPS BK	
8	7172401612	SCREW TAPPTITE	9	TT2WAS 4 x 16 MFZN BK	
7	4852074900	MASK FRONT	1	FR HIPS GY	
6	4851941000	BUTTON CONTROL ASSY	1	4946500+5541600	
5	4858312310	SPEAKER	2	SP-5090F04	
4	7178301212	SCREW TAPPTITE	10	TT2WAS 3 x 12 MFZN BK	
3	4859617760	CRT	1	RCA A68ADT25X01	
2	4856015820	SCREW CRT FIX	4	SWRM+SKS L=35	
1	PTMPMSJ787	MAIN PCB ASSY	1	DTQ-29S3FC	CN-011

2. DTQ-26S3FC



NO	PART CODE	PART NAME	QTY	MATERIAL	REMARKS
1	4852074800	MASK FRONT	1	FR HIPS GY	
2	4855541500	DECO SENSOR	1	PMMA CL	
3	4854946400	BUTTON CH	1	FR ABS BK	
4	4851218600	CONTROL KNOB AS	1	4854946400+4855541500	
5	4853214800	BRKT PCB	1	FR HIPS BK	
6	7128301212	SCREW TAPPING	2	T2S WAS 3X12 MFZN	
7	4858305220	SPKR	2	3W 8OHM MSF-2D30SR20	
8	7128301212	SCREW TAPPING	8	T2S WAS 3X12 MFZN	
9	4859630060	CRT	1	A63DDB891X	
10	4856215402	WASHER RUBBER	4	CR T=2	
11	4856015800	SCREW CRT FIX	4	SWRM+SKS L=27	
12		CRT PCB	1	DTQ-26S3FC	
13	PTMPMSJ783	MAIN PCB	1	DTQ-26S3FC	CN-011
14	4852156800	COVER BACK	1	FR HIPS BK	
15	7122401612	SCREW TAPPING	11	T2S TKS 4X16 MFZN	
16	4853525500	HOLDER CORD	1	FR HIPS BK	
17	4855415800	SPEC PLATE	1	150ART P/E FILM	
18	4858056900	BOX CARTON	1	SW-4	
19	6520010100	BAG P.E.	1	FORM LEX T0.5X430X1270	
20	4858194200	PAD	1	EPS	
21	4855617460	BRAND MARK	1	GOLD DIA CUTTING	

3. DTQ-26S3FCM



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4	4851218600	CONTROL KNOB AS	1	4854946400+4855541500	
5	4853214800	BRKT PCB	1	FR HIPS BK	
6	7128301212	SCREW TAPPING	2	T2S WAS 3X12 MFZN	
7	4858305220	SPKR	1	3W 80HM MSF-2D305B02U	
8	7128301212	SCREW TAPPING	4	T2S WAS 3X12 MFZN	
9	4859630060	CRT	1	A63QUB891X	
10	4856215402	WASHER RUBBER	4	CR T=2	
11	4856015800	SCREW CRT FIX	4	SWRM+SK5 L=27	
12		CRT PCB	1	DTQ-26S3FC	
13	PTMPMSJ798	MAIN PCB	1	DTQ-26S3FC	
14	4852156800	COVER BACK	1	FR HIPS BK	
15	7122401612	SCREW TAPPING	11	T2S TRS 4X16 MFZN	
16	4853525500	HOLDER CORD	1	FR HIPS BK	
17	4855415800	SPEC PLATE	1	150ART P/E FILM	
18	4858056900	BOX CARTON	1	SW-4	
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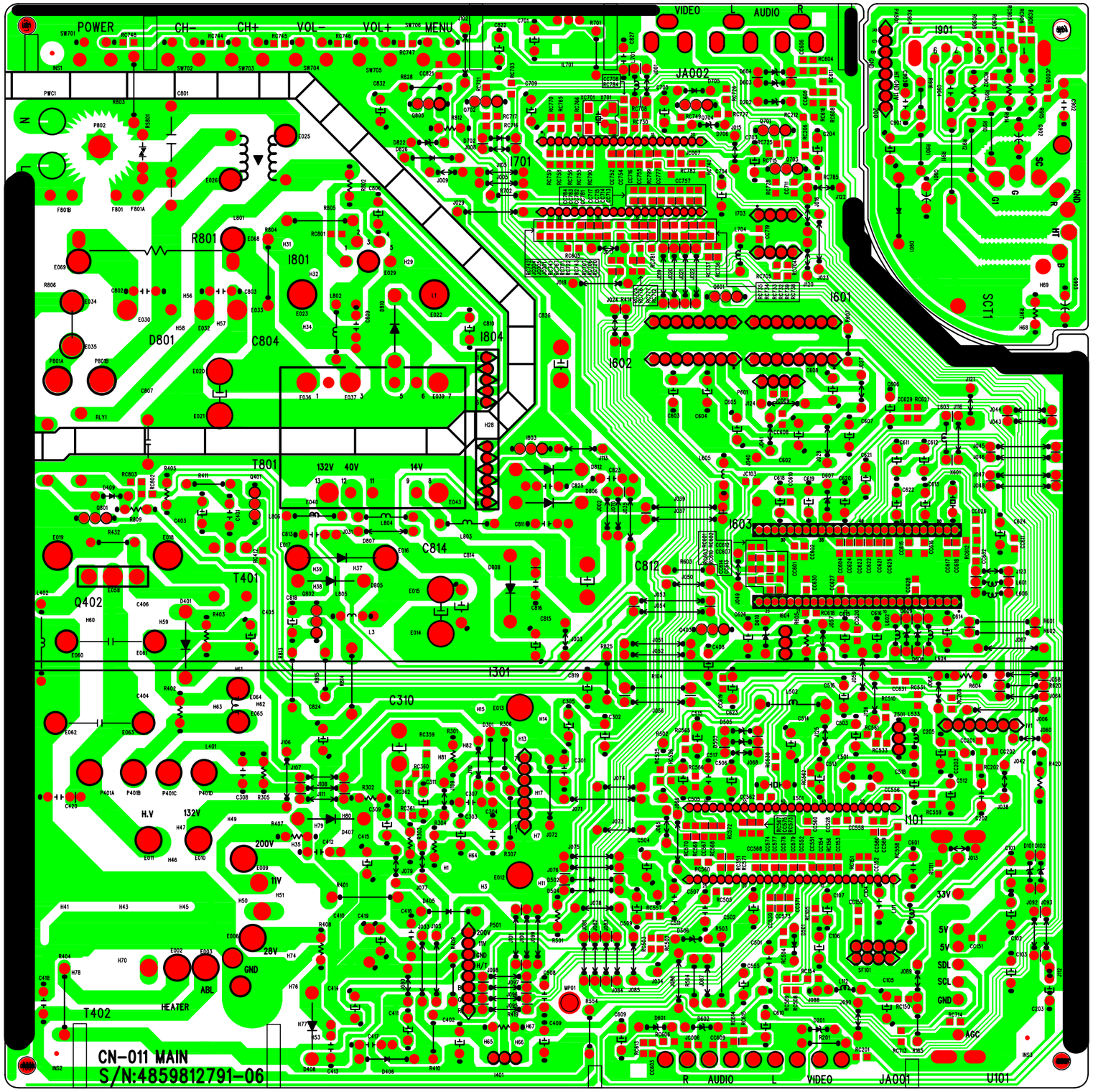
PRINTED CIRCUIT BOARD



SERVICE PARTS LIST

CAUTION

"⚠ "is a safety part, so it must be used the same part.
"Ⓡ "is a recommendable part for stock.

✔ **Caution**: In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service information Center(http://svc.dwe.co.kr)

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
	DTQ-29S3FC	DTQ-29S3FC		
ZZ100	48B4343A01	TRANSMITTER REMOCON	R-43A01 (AA)	Ⓡ
ZZ110	PTACPWJ783	ACCESSORY AS	DTQ-26S3FC	
10	4850Q00810	BATTERY	R6P/LN	
20	48586054K1	MANUAL INSTRUCTION	DTM-2082CW	
M821	4858213800	BAG INSTRUCTION	L.D.P.E T0.05X250X400	
ZZ120	PTBCSHJ787	COVER BACK AS	DTQ-29S3FC	
M211	4852156900	COVER BACK	FR HIPS BK	
ZZ130	PTPKCPJ787	PACKING AS	DTQ-29S3FC	
M681	4856812400	BAND	18MM X 3M	
M801	4858057000	BOX CARTON	SW-4	
M811	4858194300	PAD	EPS	
M821	4858215600	BAG P.E	PE FOAM t0.5x1600x1270	
ZZ131	58G0000143	COIL DEGAUSSING	DC-29S1	
ZZ132	48519A6210	CRT GROUND AS	GND LINE IEA 29	⚠
ZZ140	PTCACAJ787	CABINET AS	DTQ-29S3FC	
M191	4851941000	BUTTON CTRL	4854946501+485541600	
M191A	7178301212	SCREW TAPPTITE	TT2 WAS 3X12 MFZN BK	
M201B	4855800016	LABEL WARNING	ART 300 92X20	
M201C	4855622700	MARK BRAND	SILVER DIA-CUTTING	
M211A	7172401612	SCREW TAPPTITE	TT2 TRS 4X16 MFZN BK	
M211B	4855800013	LABEL MAKER	ART 150 35X10	
M541	4855415800	SPEC PLATE	150ART P/E FILM (C/TV)	
SP01A	7178301212	SCREW TAPPTITE	TT2 WAS 3X12 MFZN BK	
SP01B	7178301212	SCREW TAPPTITE	TT2 WAS 3X12 MFZN BK	
V901	4859617760	CRT	A68ADT25X01	
V901A	4856015820	SCREW CRT FIX	SWRM+SK5 L=35	
V901B	4856215402	WASHER RUBBER	CR T2.0	
ZZ200	PTFMSJJ787	MASK FRONT AS	DTQ-29S3FC	
M201	4852074900	MASK FRONT	FR HIPS GY	
M201A	4857817610	CLOTH BLACK	FELT 300X20X0.7	
ZZ210	PTSPPWJ787	SPEAKER AS	DTQ-29S3FC	
P401A	4850704S35	CONNECTOR	YFH800-04+YDT236+ULW=500	
P601A	4850704S38	CONNECTOR	YH025-04+35098+ULW=400	
SP1	4858305220	SPEAKER	3W 8 OHM MSF-2D30SB02U	
SP2	4858305220	SPEAKER	3W 8 OHM MSF-2D30SB02U	
ZZ290	PTMPMSJ787	PCB MAIN MANUAL AS	DTQ-29S3FC	
C310	CEYF1E332V	C ELECTRO	25V RSS 3300MF (16X31.5)	
C404	CMYH3C123J	C MYLAR	1.6KV BUP 0.012MF J	Ⓡ⚠
C406	CMYE2G474J	C MYLAR	400V PU 0.47MF J	Ⓡ
C801	CL1JB3104M	C LINE ACROSS	AC250V 0.1MF M ECQ-UV WRL	Ⓡ⚠
C804	CEYD2D331D	C ELECTRO	200V FHS330MF 22X30 25X31	
C807	CH1BEE222M	C CERA AC	U/C/V 2.5KV 2200PF TP	Ⓡ⚠
C809	CBYB3D152K	C CERA SEMI	2KV BL(N) 1500PF K	Ⓡ
C812	CEYF1E332V	C ELECTRO	25V RSS 3300MF (16X31.5)	
C814	CEYN2D221T	C ELECTRO	200V FWS 220MF (22X30)	
C825	CCXB3A471K	C CERA	1KV B 470PF K (T)	
C826	CEYF1E332V	C ELECTRO	25V RSS 3300MF (16X31.5)	
D801	DD5SBA60--	DIODE BRIDGE	D5SBA60	Ⓡ
D807	DBYT56K---	DIODE	BYT56K	
F801	5F1GB5021L	FUSE GLASS TUBE	CSA/UL 125V 5A	Ⓡ⚠
G901	4SG0D00103	SPARK GAP	S-23 900V-1.5KV	
G902	4SG0D00103	SPARK GAP	S-23 900V-1.5KV	
G903	4SG0D00103	SPARK GAP	S-23 900V-1.5KV	
I101	1DCT814B--	IC CHROMA	DCT814B	Ⓡ
I301	PTA2SW7921	HEAT SINK ASS	1LA7845N-- + 7174300811	
I301	1LA7845N--	IC	LA7845N	Ⓡ⚠
I301A	4857027921	HEAT SINK	AL EX BK	
I301B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
I401	1K1A7805P1	IC REGULATOR	KIA7805API	
I601	1TDA7267A-	IC AMP	TDA7267A	Ⓡ⚠
I602	1TDA7267A-	IC AMP	TDA7267A	Ⓡ⚠
I603	1MSP3435G-	IC SOUND	MSP-3435G	Ⓡ
I604	1K1A7805P1	IC REGULATOR	KIA7805API	Ⓡ
I701	1DW8632EA1	IC MICOM	DW863240V-EA1(5R48)	Ⓡ
I703	1AT24C16PC	IC	AT24C16-10PC	Ⓡ
I801	PTF2SW7701	HEAT SINK ASS	1STRF6626- + 7174300811	Ⓡ⚠
I801	1STRF6626-	IC POWER	STR-F6626	Ⓡ⚠
I801A	4857027701	HEAT SINK	AL EX	
I801B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
I803	TX0202DA--	THYRISTOR	X0202DA1BA2	Ⓡ
I804	4850M04810	MODULE POWER	DPM011 TI	Ⓡ⚠
I901	PTG1SW8902	HEAT SINK ASS	1TDA6103Q- + 7174300811	
I901	1TDA6103Q-	IC VIDEO	TDA6103Q	Ⓡ
I901A	4857018902	HEAT SINK	A1050P-H24	
I901B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
IL701	1KRT30----	IC PREAMP	KRT30	
IV1	1TA7347P--	IC SWITCH	TA7347P	Ⓡ
JA001	4859109250	JACK PIN BOARD	PH-JB-9614A	
JA002	4859108450	JACK PIN BOARD	YSC03P-4120-14A	
L111	58C5580019	COIL CHOKE	TRF-9225 (0.55UH)	
L401	58H0000025	COIL H-LINEARITY	TRL-330	
L501	58N0000042	COIL VCO	TRF-V008	
L605	58C0000090	COIL CHOKE	L-45S	
L801	5PLF24A1--	FILTER LINE	LF-24A1	Ⓡ⚠
L805	58C4500079	COIL CHOKE	L-45	
MP01	4856813600	HOLDER WIRE	NYLON 66 DAWH-13NA	
P501	4850708N08	CONNECTOR	BIC-08T-25T+C-20T+ULW=400	
PWC1	4859907810	CORD POWER AS	ME301P+TER=2100	Ⓡ⚠
Q401	TKTC3208--	TR	KTC3208	

SERVICE PARTS LIST

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
Q402	PTB2SW7609	HEAT SINK ASS Y	T2SD2578-- + 7174300811	
Q402	T2SD2578--	TR	2SD2578	® ⚠
Q402A	4857027609	HEAT SINK	AL EX	
Q402B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
Q802	TKTA968AY-	TR	KTA968AY	
R801	RX10B109JN	R CEMENT	10W 1 OHM J BENCH 4P	
R805	RW02Z128KS	R WIRE WOUND	2W 0.12 OHM K SMALL	®
R806	DPB3R0M140	POSISTOR	2322 662 96693	®
RLY1	5SC0101338	SW RELAY	DQ5D1-O(M)/GJ-SS-105LM	® ⚠
RS801	DSVC471D14	VARISTOR	SVC471D14A	® ⚠
SCT1	4859303830	SOCKET CRT	ISHG94S	
SF101	5PTSF5241P	FILTER SAW	TSF5241P	
T401	50D15A1---	TRANS DRIVE	TD-15A1	®
T402	50H0000208	FBT	FSA42013L	® ⚠
T801	50M4242B5-	TRANS SMPS	TSM-4242B5	
U101	4859719130	TUNER VARACTOR	DT5-NF20F	® ⚠
X601	5XE18R432E	CRYSTAL QUARTZ	HC-49/U 18.43200MHZ 30PPM	
X701	5XYR03276C	CRYSTAL QUARTZ	C-001R 32.768000KHZ 20PPM	
Z501	5PXPS45MB-	FILTER CERA	TPS-4.5MB TRAP (TAPPING)	
ZZ200	PTMPJ2J787	PCB CHIP MOUNT B AS	DTQ-29S3FC	
CC151	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC152	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC153	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC154	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC155	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012	
CC201	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC202	HCQK820JCA	C CHIP CERA	50V CH 82PF J 2012	
CC203	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC528	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
CC530	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC551	HCQK101JCA	C CHIP CERA	50V CH 100PF J 2012	
CC552	HCQK101JCA	C CHIP CERA	50V CH 100PF J 2012	
CC560	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC562	HCQK180JCA	C CHIP CERA	50V CH 18PF J 2012	
CC567	HCQK181JCA	C CHIP CERA	50V CH 180PF J 2012	
CC568	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC571	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC573	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC575	HCQK102JCA	C CHIP CERA	50V CH 1000PF J 2012	
CC601	HCQK471JCA	C CHIP CERA	50V CH 470PF J 2012	
CC602	HCQK471JCA	C CHIP CERA	50V CH 470PF J 2012	
CC603	HCQK561JCA	C CHIP CERA	50V CH 560PF J 2012	
CC604	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC605	HCQK561JCA	C CHIP CERA	50V CH 560PF J 2012	
CC606	HCQK561JCA	C CHIP CERA	50V CH 560PF J 2012	
CC607	HCBK472KCA	C CHIP CERA	50V X7R 4700PF K 2012	
CC608	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC610	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC611	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC612	HCBK472KCA	C CHIP CERA	50V X7R 4700PF K 2012	
CC613	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
CC614	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
CC615	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC616	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012	
CC617	HCQK479CCA	C CHIP CERA	50V CH 4.7PF C 2012	
CC618	HCQK479CCA	C CHIP CERA	50V CH 4.7PF C 2012	
CC619	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC620	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC621	HCBK471KCA	C CHIP CERA	50V X7R 470PF K 2012	
CC622	HCBK471KCA	C CHIP CERA	50V X7R 470PF K 2012	
CC623	HCBK471KCA	C CHIP CERA	50V X7R 470PF K 2012	
CC624	HCBK471KCA	C CHIP CERA	50V X7R 470PF K 2012	
CC625	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC626	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012	
CC627	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC628	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC630	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012	
CC631	HCQK470JCA	C CHIP CERA	50V CH 47PF J 2012	
CC632	HCQK200JCA	C CHIP CERA	50V CH 20PF J 2012	
CC708	HCQK120JCA	C CHIP CERA	50V CH 12PF J 2012	
CC711	HCQK221JCA	C CHIP CERA	50V CH 220PF J 2012	
CC713	HCQK101JCA	C CHIP CERA	50V CH 100PF J 2012	
CC714	HCQK101JCA	C CHIP CERA	50V CH 100PF J 2012	
CC715	HCQK101JCA	C CHIP CERA	50V CH 100PF J 2012	
CC717	HCQK101JCA	C CHIP CERA	50V CH 100PF J 2012	
CC719	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC752	HCQK180JCA	C CHIP CERA	50V CH 18PF J 2012	
CC754	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC755	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012	
CC757	HCBK333KCA	C CHIP CERA	50V X7R 0.033MF K 2012	
CC777	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012	
CC821	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
JC001	HRFT000-CA	R CHIP	1/10 0 OHM 2012	
JC004	HRFT000-CA	R CHIP	1/10 0 OHM 2012	
JC005	HRFT000-CA	R CHIP	1/10 0 OHM 2012	
JC007	HRFT000-CA	R CHIP	1/10 0 OHM 2012	
RC105	HRFT153JCA	R CHIP	1/10 15K OHM J 2012	
RC150	HRFT153JCA	R CHIP	1/10 15K OHM J 2012	
RC151	HRFT104JCA	R CHIP	1/10 100K OHM J 2012	
RC154	HRFT473JCA	R CHIP	1/10 47K OHM J 2012	
RC156	HRFT473JCA	R CHIP	1/10 47K OHM J 2012	
RC201	HRFT101JCA	R CHIP	1/10 100 OHM J 2012	
RC206	HRFT101JCA	R CHIP	1/10 100 OHM J 2012	
RC208	HRFT512JCA	R CHIP	1/10 5.1K OHM J 2012	
RC212	HRFT750JCA	R CHIP	1/10 75 OHM J 2012	
RC351	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC359	HRFT623JCA	R CHIP	1/10 62K OHM J 2012	
RC360	HRFT562JCA	R CHIP	1/10 5.6K OHM J 2012	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
RC361	HRFT113JCA	R CHIP	1/10 11K OHM J 2012		RC708	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC362	HRFT473JCA	R CHIP	1/10 47K OHM J 2012		RC712	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC412	HRFT102JCA	R CHIP	1/10 1K OHM J 2012		RC713	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC502	HRFT331JCA	R CHIP	1/10 330 OHM J 2012		RC714	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC503	HRFT331JCA	R CHIP	1/10 330 OHM J 2012		RC715	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC504	HRFT824JCA	R CHIP	1/10 820K OHM J 2012		RC716	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC505	HRFT331JCA	R CHIP	1/10 330 OHM J 2012		RC717	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC508	HRFT102JCA	R CHIP	1/10 1K OHM J 2012		RC720	HRFT101JCA	R CHIP	1/10 100 OHM J 2012	
RC509	HRFT102JCA	R CHIP	1/10 1K OHM J 2012		RC721	HRFT471JCA	R CHIP	1/10 470 OHM J 2012	
RC510	HRFT561JCA	R CHIP	1/10 560 OHM J 2012		RC722	HRFT512JCA	R CHIP	1/10 5.1K OHM J 2012	
RC525	HRFT102JCA	R CHIP	1/10 1K OHM J 2012		RC723	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC526	HRFT132JCA	R CHIP	1/10 1.3K OHM J 2012		RC725	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC530	HRFT561JCA	R CHIP	1/10 560 OHM J 2012		RC726	HRFT471JCA	R CHIP	1/10 470 OHM J 2012	
RC531	HRFT821JCA	R CHIP	1/10 820 OHM J 2012		RC727	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC533	HRFT390JCA	R CHIP	1/10 39 OHM J 2012		RC728	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC557	HRFT182JCA	R CHIP	1/10 1.8K OHM J 2012		RC732	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC559	HRFT331JCA	R CHIP	1/10 330 OHM J 2012		RC733	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC560	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		RC734	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC561	HRFT561JCA	R CHIP	1/10 560 OHM J 2012		RC735	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC562	HRFT914JCA	R CHIP	1/10 910KOHM J 2012		RC736	HRFT392JCA	R CHIP	1/10 3.9K OHM J 2012	
RC565	HRFT123JCA	R CHIP	1/10 12K OHM J 2012		RC737	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC566	HRFT123JCA	R CHIP	1/10 12K OHM J 2012		RC738	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC567	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		RC739	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC568	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RC741	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC569	HRFT152JCA	R CHIP	1/10 1.5K OHM J 2012		RC742	HRFT101JCA	R CHIP	1/10 100 OHM J 2012	
RC570	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		RC743	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC571	HRFT272JCA	R CHIP	1/10 2.7K OHM J 2012		RC744	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC572	HRFT223JCA	R CHIP	1/10 22K OHM J 2012		RC745	HRFT152JCA	R CHIP	1/10 1.5K OHM J 2012	
RC573	HRFT102JCA	R CHIP	1/10 1K OHM J 2012		RC746	HRFT222JCA	R CHIP	1/10 2.2K OHM J 2012	
RC601	HRFT182JCA	R CHIP	1/10 1.8K OHM J 2012		RC747	HRFT392JCA	R CHIP	1/10 3.9K OHM J 2012	
RC602	HRFT182JCA	R CHIP	1/10 1.8K OHM J 2012		RC748	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC603	HRFT102JCA	R CHIP	1/10 1K OHM J 2012		RC749	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC604	HRFT473JCA	R CHIP	1/10 47K OHM J 2012		RC755	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC605	HRFT392JCA	R CHIP	1/10 3.9K OHM J 2012		RC756	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC606	HRFT102JCA	R CHIP	1/10 1K OHM J 2012		RC758	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC608	HRFT102JCA	R CHIP	1/10 1K OHM J 2012		RC759	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC610	HRFT102JCA	R CHIP	1/10 1K OHM J 2012		RC767	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC611	HRFT102JCA	R CHIP	1/10 1K OHM J 2012		RC770	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC612	HRFT102JCA	R CHIP	1/10 1K OHM J 2012		RC776	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC613	HRFT473JCA	R CHIP	1/10 47K OHM J 2012		RC777	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC614	HRFT473JCA	R CHIP	1/10 47K OHM J 2012		RC781	HRFT101JCA	R CHIP	1/10 100 OHM J 2012	
RC615	HRFT102JCA	R CHIP	1/10 1K OHM J 2012		RC782	HRFT331JCA	R CHIP	1/10 330 OHM J 2012	
RC616	HRFT473JCA	R CHIP	1/10 47K OHM J 2012		RC784	HRFT514JCA	R CHIP	1/10 510K OHM J 2012	
RC618	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RC785	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC703	HRFT473JCA	R CHIP	1/10 47K OHM J 2012		RC790	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC704	HRFT471JCA	R CHIP	1/10 470 OHM J 2012		RC799	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC705	HRFT471JCA	R CHIP	1/10 470 OHM J 2012		RC801	HRFT911JCA	R CHIP	1/10 910 OHM J 2012	
RC706	HRFT101JCA	R CHIP	1/10 100 OHM J 2012		RC802	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC707	HRFT101JCA	R CHIP	1/10 100 OHM J 2012		RC803	HRFT473JCA	R CHIP	1/10 47K OHM J 2012	

SERVICE PARTS LIST

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
RC901	HRFT302JCA	R CHIP	1/10 3K OHM J 2012	
RC902	HRFT302JCA	R CHIP	1/10 3K OHM J 2012	
RC903	HRFT302JCA	R CHIP	1/10 3K OHM J 2012	
RC904	HRFT222JCA	R CHIP	1/10 2.2K OHM J 2012	
RC905	HRFT222JCA	R CHIP	1/10 2.2K OHM J 2012	
RC906	HRFT222JCA	R CHIP	1/10 2.2K OHM J 2012	
RC908	HRFT472FCA	R CHIP	1/10 4.7K OHM F 2012	
ZZ200	PTMPJ0J787	PCB MAIN (RHU) AS	DTQ-29S3FC	
C105	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP	
C401	CCXB2H472K	C CERA	500V B 4700PF K (TAPPING)	
C405	CEXA2D229E	C ELECTRO	200V RUL 2.2MF (10X16) TP	
C410	CEXF2E470V	C ELECTRO	250V RSS 47MF (16X25) TP	
C414	CEXF1V471V	C ELECTRO	35V RSS 470MF (10X20) TP	
C415	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP	
C504	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP	
C514	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP	
C602	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP	
C605	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP	
C608	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP	
C815	CEXF2A470V	C ELECTRO	100V RSS 47MF (10X16) TP	
C823	CCXB3D681K	C CERA	2KV B 680PF K (TAPPING)	
C824	CEXE2C100H	C ELECTRO	160V RUR 10MF (13X25) TP	
C901	CEXF2E100V	C ELECTRO	250V RSS 10MF (10X20) TP	
C902	CH1BEE472M	C CERA AC	U/C/V 2.5KV 4700PF TP	
ZZ200	PTMPJBJ787	PCB MAIN M-10 AS	DTQ-29S3FC	
P401A	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)	
P401B	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)	
P401C	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)	
P401D	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)	
P601	485923172S	CONN WAFER	YW025-04 (STICK)	
P801A	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)	
P801B	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)	
R104	RS01Z472J-	R M-OXIDE FILM	1W 4.7K OHM J (TAPPING)	
R401	RF01Z229J-	R FUSIBLE	1W 2.2 OHM J (TAPPING)	R
R404	RF01Z398K-	R FUSIBLE	1W 0.39 OHM K (TAPPING)	R
R814	RF01Z398K-	R FUSIBLE	1W 0.39 OHM K (TAPPING)	R
ZZ200	PTMPJRJ787	PCB MAIN RADIAL AS	DTQ-29S3FC	
C101	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C102	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP	
C103	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
C104	CMXB1H333J	C MYLAR	50V EU 0.033MF J (TP)	
C106	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C107	CEXF1H228V	C ELECTRO	50V RSS 0.22MF (5X11) TP	
C202	CEXD1H479F	C ELECTRO	50V RND 4.7MF (6.3X11) TP	
C203	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
C204	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
C205	CEXF1E221V	C ELECTRO	25V RSS 220MF (8X11.5) TP	
C301	CMXB1H103J	C MYLAR	50V EU 0.01MF J (TP)	
C302	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
C303	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C304	CMXB1H224J	C MYLAR	50V EU 0.22MF J (TP)	
C305	CEXF1H101V	C ELECTRO	50V RSS 100MF (8X11.5) TP	
C307	CXSL2H100D	C CERA	500V SL 10PF D (TAPPING)	
C308	CMXB1H473J	C MYLAR	50V 0.047MF J (TP)	
C309	CEXD1H109Q	C ELECTRO	50V RT 1MF (6.3X11) TP	
C311	CEXD1H109Q	C ELECTRO	50V RT 1MF (6.3X11) TP	
C402	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP	
C403	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C408	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
C409	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP	
C411	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	⚠
C412	CCXB2H102K	C CERA	500V B 1000PF K (TAPPING)	
C413	CCXB2H102K	C CERA	500V B 1000PF K (TAPPING)	
C416	CCXB2H102K	C CERA	500V B 1000PF K (TAPPING)	
C417	CCXB2H102K	C CERA	500V B 1000PF K (TAPPING)	
C418	CMXB1H104J	C MYLAR	50V EU 0.1MF J (TP)	
C501	CMXL1H105J	C MYLAR	50V MEU 1MF J	
C502	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP	
C503	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C505	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C506	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C507	CMXB1H224J	C MYLAR	50V EU 0.22MF J (TP)	
C508	CMXB1H224J	C MYLAR	50V EU 0.22MF J (TP)	
C509	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C511	CMXB1H333J	C MYLAR	50V EU 0.033MF J (TP)	
C512	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP	
C513	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C515	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11) TP	
C516	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
C517	CMXB1H473J	C MYLAR	50V 0.047MF J (TP)	
C518	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11) TP	
C555	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C603	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP	
C604	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
C606	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP	
C607	CEXF1H101V	C ELECTRO	50V RSS 100MF (8X11.5) TP	
C609	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
C610	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
C611	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
C612	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
C613	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C614	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C615	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
C616	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C618	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C619	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C620	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C621	CEXF1H339V	C ELECTRO	50V RSS 3.3MF (5X11) TP	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
C622	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C623	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
C624	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
C626	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
C701	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
C703	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C704	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
C705	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C709	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP	
C802	CCXB2H222K	C CERA	500V B 2200PF K (TAPPING)	
C803	CCXB2H222K	C CERA	500V B 2200PF K (TAPPING)	
C806	CEXF1H470C	C ELECTRO	50V RUS 47MF (6.3X11) TP	
C810	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
C811	CCXB3A471K	C CERA	1KV B 470PF K (T)	
C813	CCXB3A471K	C CERA	1KV B 470PF K (T)	
C816	CCXB3A471K	C CERA	1KV B 470PF K (T)	
C818	CEXF1H220C	C ELECTRO	50V RUS 22MF (5X11) TP	
C819	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
C822	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	
C832	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
C903	CMXL1J224J	C MYLAR	63V MEU 0.22MF J (TP)	
C904	CMXL2E104K	C MYLAR	250V MEU 0.1MF K	
F801A	4857415001	CLIP FUSE	PFC5000-0702	
F801B	4857415001	CLIP FUSE	PFC5000-0702	
Q403	TKTC3198Y-	TR	KTC3198Y	
Q601	TKTC3198Y-	TR	KTC3198Y	
Q701	TKTC3198Y-	TR	KTC3198Y	
Q702	TKTC3198Y-	TR	KTC3198Y	
Q703	TKTC3198Y-	TR	KTC3198Y	
Q704	TKSA733CY-	TR	KSA733CY (TP)	
Q801	TKTC3198Y-	TR	KTC3198Y	
Q805	TKTC3205Y-	TR	KTC3205Y (TP)	
R301	RN02B202JS	R METAL FILM	2W 2K OHM J SMALL	
R302	RN01B331JS	R METAL FILM	1W 330 OHM J SMALL	
R303	RN01B109JS	R METAL FILM	1W 1 OHM J SMALL	
R304	RN01B109JS	R METAL FILM	1W 1 OHM J SMALL	
R305	RN02B271JS	R METAL FILM	2W 270 OHM J SMALL	
R402	RN02B102JS	R METAL FILM	2W 1K OHM J SMALL	
R403	RN02B103JS	R METAL FILM	2W 10K OHM J SMALL	
R405	RN02B181JS	R METAL FILM	2W 180 OHM J SMALL	
R407	RN02B229JS	R METAL FILM	2W 2.2 OHM J SMALL	
R408	RN02B229JS	R METAL FILM	2W 2.2 OHM J SMALL	
R419	RN02B101JS	R METAL FILM	2W 100 OHM J SMALL	
R420	RN02B620JS	R METAL FILM	2W 62 OHM J SMALL	
R501	RN02B151JS	R METAL FILM	2W 150 OHM J SMALL	
R604	RN01B750JS	R METAL FILM	1W 75 OHM J SMALL	
R605	RN01B121JS	R METAL FILM	1W 120 OHM J SMALL	
R802	RN02B273JS	R METAL FILM	2W 27K OHM J SMALL	
R809	RN01B121JS	R METAL FILM	1W 120 OHM J SMALL	
R812	RN01B301JS	R METAL FILM	1W 300 OHM J SMALL	
R913	RN01B124JS	R METAL FILM	1W 120K OHM J SMALL	
R914	RN01B124JS	R METAL FILM	1W 120K OHM J SMALL	
R915	RN01B124JS	R METAL FILM	1W 120K OHM J SMALL	
R917	RN02B189JS	R METAL FILM	2W 1.8 OHM J SMALL	®
SW701	5S50101090	SW TACT	SKHV17910A	
SW702	5S50101090	SW TACT	SKHV17910A	
SW703	5S50101090	SW TACT	SKHV17910A	
SW704	5S50101090	SW TACT	SKHV17910A	
SW705	5S50101090	SW TACT	SKHV17910A	
SW706	5S50101090	SW TACT	SKHV17910A	
X501	5XEX3R579C	CRYSTAL QUARTZ	HC-49U 3.579545M (TP)	
ZZ200	PTMPJAJ787	PCB MAIN AXIAL AS	DTQ-29S3FC	
10	2TM14006LB	TAPE MASKING	3M #232 6.0X2000M	
20	2TM10006LB	TAPE MASKING	3M #232-MAP-C 6.2X2000M	
A001	4859812791	PCB MAIN	246X246	
D101	DUZ33B----	DIODE ZENER	UZ-33B	
D102	DUZ5R6BM--	DIODE ZENER	UZ-5.6BM(TAPPING)	
D201	DUZ9R1BM--	DIODE ZENER	UZ-9.1BM 9.1V	
D202	DUZ9R1BM--	DIODE ZENER	UZ-9.1BM 9.1V	
D301	D1N4004---	DIODE	1N4004	
D401	DRGP15J---	DIODE	RGP15J	®
D405	D1N4937G--	DIODE	1N4937G (TAPPING)	®
D406	D1N4937G--	DIODE	1N4937G (TAPPING)	
D407	DRGP15J---	DIODE	RGP15J	
D408	DRGP15J---	DIODE	RGP15J	
D409	D1N4148---	DIODE	1N4148 (TAPPING)	
D501	D1N4148---	DIODE	1N4148 (TAPPING)	
D502	D1N4148---	DIODE	1N4148 (TAPPING)	
D503	DUZ9R1BM--	DIODE ZENER	UZ-9.1BM 9.1V	
D504	D1N4148---	DIODE	1N4148 (TAPPING)	
D505	DUZ9R1BM--	DIODE ZENER	UZ-9.1BM 9.1V	
D506	DUZ7R5BM--	DIODE ZENER	UZ-7.5BM 7.5V	
D601	DUZ9R1BM--	DIODE ZENER	UZ-9.1BM 9.1V	
D602	DUZ9R1BM--	DIODE ZENER	UZ-9.1BM 9.1V	
D603	DUZ9R1BM--	DIODE ZENER	UZ-9.1BM 9.1V	
D604	DUZ9R1BM--	DIODE ZENER	UZ-9.1BM 9.1V	
D607	DUZ8R2BM--	DIODE ZENER	UZ-8.2B (8.2V)	
D608	DUZ5R6BM--	DIODE ZENER	UZ-5.6BM(TAPPING)	
D609	DUZ5R6BM--	DIODE ZENER	UZ-5.6BM(TAPPING)	
D610	DUZ5R6BM--	DIODE ZENER	UZ-5.6BM(TAPPING)	
D702	D1N4148---	DIODE	1N4148 (TAPPING)	
D705	D1N4148---	DIODE	1N4148 (TAPPING)	
D706	DUZ3R9B---	DIODE ZENER	UZ-3.9B	
D805	DRGP15J---	DIODE	RGP15J	
D806	DRGP15J---	DIODE	RGP15J	
D808	DRGP15J---	DIODE	RGP15J	
D810	DRGP15J---	DIODE	RGP15J	
D812	DRGP15J---	DIODE	RGP15J	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
D822	DUZ5R6BM--	DIODE ZENER	UZ-5.6BM(TAPPING)		J065	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D826	D1N4148---	DIODE	1N4148 (TAPPING)		J066	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D901	DLT2A05G--	DIODE	LT2A05G (TP)		J067	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J001	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J068	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J002	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J070	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J003	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J071	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J005	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J073	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J008	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J074	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J013	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J075	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J015	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J076	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J016	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J077	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J017	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J078	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J018	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J079	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J019	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J080	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J020	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J081	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J021	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J082	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J022	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J083	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J023	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J084	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J024	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J085	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J027	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J086	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J028	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J087	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J029	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J088	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J031	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J089	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J033	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J090	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J034	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J092	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J035	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J093	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J037	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J095	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J039	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J096	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J040	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J097	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J041	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J098	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J042	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J099	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J043	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J100	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J044	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J101	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J045	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J102	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J046	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J103	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J047	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J104	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J048	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J105	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J049	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J106	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J050	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J107	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J051	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J108	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J052	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J109	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J053	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J110	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J054	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J111	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J056	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J113	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J057	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J116	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J059	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J120	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J060	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J121	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J063	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J122	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J064	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J123	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
J124	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J125	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J126	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J127	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
L112	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)	
L402	58C0000026	COIL BEAD	HC-4035	
L502	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)	
L533	5CPZ150K02	COIL PEAKING	15UH K (AXIAL 3.5MM)	
L601	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)	
L602	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)	
L603	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)	
L604	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)	
L606	5CPZ150K02	COIL PEAKING	15UH K (AXIAL 3.5MM)	
L701	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)	
L704	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)	
L802	5MC0000100	COIL BEAD	HC-3550	
L803	5MC0000100	COIL BEAD	HC-3550	
L804	5MC0000100	COIL BEAD	HC-3550	
L806	5MC0000100	COIL BEAD	HC-3550	
R165	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R201	RD-4Z750J-	R CARBON FILM	1/4 75 OHM J	
R306	RD-4Z134J-	R CARBON FILM	1/4 130K OHM J	
R307	RD-4Z153J-	R CARBON FILM	1/4 15K OHM J	
R409	RD-4Z103J-	R CARBON FILM	1/4 10K OHM J	⚠
R410	RD-4Z163J-	R CARBON FILM	1/4 16K OHM J	⚠

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
R411	RD-4Z202J-	R CARBON FILM	1/4 2K OHM J	
R414	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R432	RD-4Z220J-	R CARBON FILM	1/4 22 OHM J	
R502	RD-2Z151J-	R CARBON FILM	1/2 150 OHM J	
R503	RD-4Z151J-	R CARBON FILM	1/4 150 OHM J	
R504	RD-4Z562J-	R CARBON FILM	1/4 5.6K OHM J	
R554	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J	
R601	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R602	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R603	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R607	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R701	RD-4Z240J-	R CARBON FILM	1/4 24 OHM J	
R702	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R803	RC-2Z565KP	R CARBON COMP	1/2 5.6M OHM K	® ⚠
R804	RC-2Z105KP	R CARBON COMP	1/2 1M OHM K	
R813	RD-4Z363J-	R CARBON FILM	1/4 36K OHM J	
R815	RD-4Z223J-	R CARBON FILM	1/4 22K OHM J	
R825	RD-4Z223J-	R CARBON FILM	1/4 22K OHM J	
R828	RD-4Z561J-	R CARBON FILM	1/4 560 OHM J	
R901	RD-4Z105J-	R CARBON FILM	1/4 1M OHM J	
R910	RD-2Z102J-	R CARBON FILM	1/2 1K OHM J	
R911	RD-2Z102J-	R CARBON FILM	1/2 1K OHM J	
R912	RD-2Z102J-	R CARBON FILM	1/2 1K OHM J	
R916	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J	

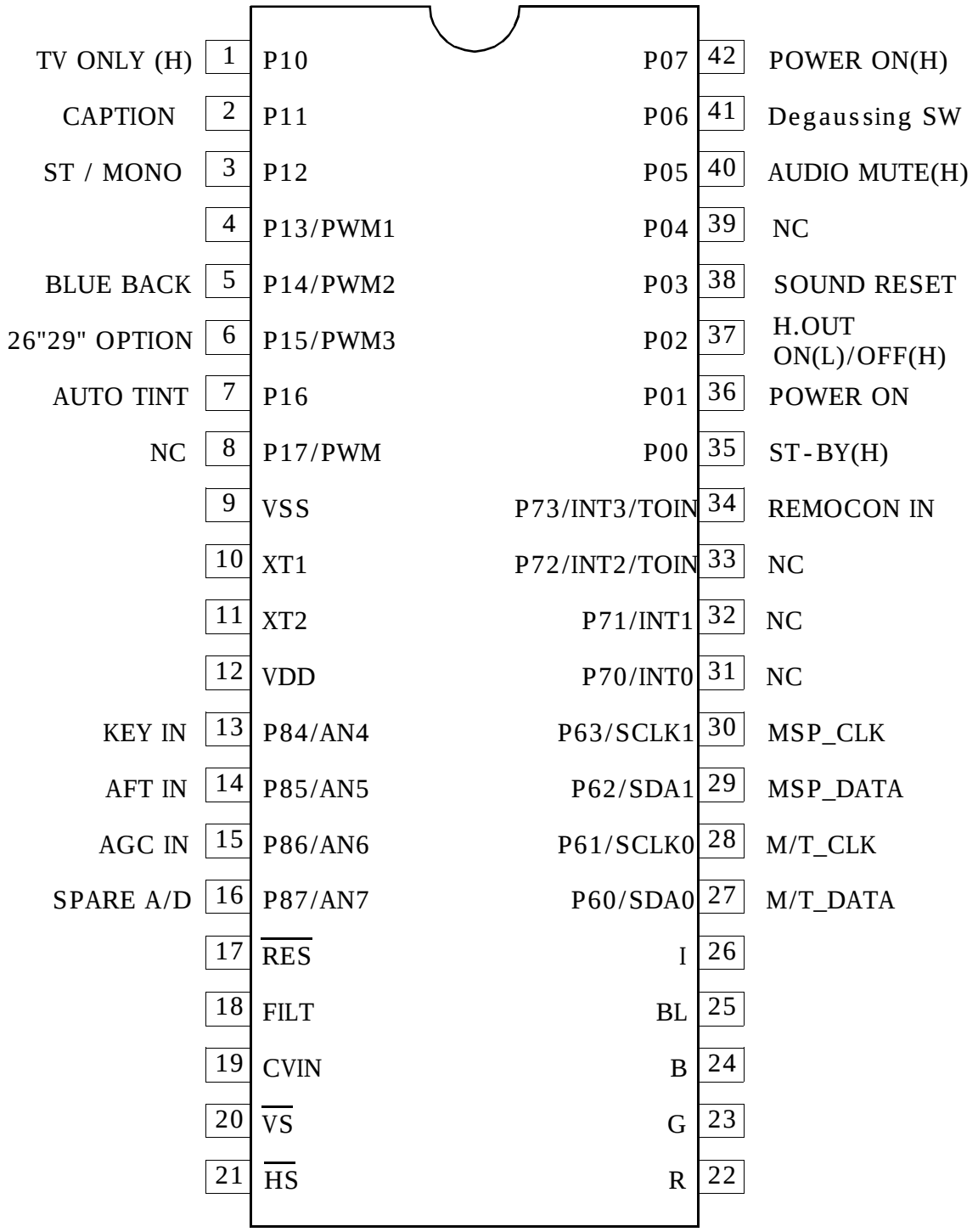
1. DIFFERENT PARTS LIST

LOC	PART CODE	PART NAME	DESCRIPTION	29S3FC	26S3FC	26S3FCM
C203	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	1	0	0
C204	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	1	0	0
C205	CEXF1E221V	C ELECTRO	25V RSS 220MF (8X11.5) TP	1	0	0
C406	CMYE2G474J	C MYLAR	400V PU 0.47MF J	1	0	0
C406	CMYE2G514J	C MYLAR	400V PU 0.51MF J	0	1	1
C601	CMXB1H103J	C MYLAR	50V EU 0.01MF J (TP)	0	0	1
C603	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP	1	0	0
C605	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP	1	0	0
C610	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	1	0	0
C611	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	1	0	0
C612	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	1	0	0
C613	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	1	0	0
C614	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	1	0	0
C615	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	1	0	0
C616	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	1	0	0
C618	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	1	0	0
C619	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	1	0	0
C620	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	1	0	0
C621	CEXF1H339V	C ELECTRO	50V RSS 3.3MF (5X11) TP	1	0	0
C622	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	1	0	0
C623	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	1	0	0
C624	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	1	0	0
C626	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	1	0	0
D202	DUZ9R1BM- -	DIODE ZENER	UZ-9.1BM 9.1V	1	0	0
D602	DUZ9R1BM- -	DIODE ZENER	UZ-9.1BM 9.1V	1	0	0
D603	DUZ9R1BM- -	DIODE ZENER	UZ-9.1BM 9.1V	1	0	0
D604	DUZ9R1BM- -	DIODE ZENER	UZ-9.1BM 9.1V	1	0	0
D607	DUZ8R2BM- -	DIODE ZENER	UZ-8.2B (8.2V)	1	0	0
D608	DUZ5R6BM- -	DIODE ZENER	UZ-5.6BM(TAPPING)	1	0	0
D609	DUZ5R6BM- -	DIODE ZENER	UZ-5.6BM(TAPPING)	1	0	0
D610	DUZ5R6BM- -	DIODE ZENER	UZ-5.6BM(TAPPING)	1	0	0
I602	1TDA7267A-	IC AMP	TDA7267A	1	0	0
I603	1MSP3435G-	IC SOUND	MSP-3435G	1	0	0
I604	1K1A7805P1	IC REGULATOR	KIA7805API	1	0	0
IV1	1TA7347P- -	IC SWITCH	TA7347P	1	0	0
JA001	4859109250	JACK PIN BOARD	PH-JB-9614A	1	0	0
JA001	4859109150	JACK PIN BOARD	PH-JB-9615C	0	0	1
JA002	4859108450	JACK PIN BOARD	YSC03P-4120-14A	1	0	0
L401	58H0000025	COIL H-LINEARITY	TRL-330	1	0	0
L401	58H0000056	COIL H-LINEARITY	TRL-250D	0	1	1
L601	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)	1	0	0
L602	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)	1	0	0
L603	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)	1	0	0
L604	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)	1	0	0

LOC	PART CODE	PART NAME	DESCRIPTION	29S3FC	26S3FC	26S3FCM
L606	5CPZ150K02	COIL PEAKING	15UH K (AXIAL 3.5MM)	1	0	0
P401A	4850704S35	CONNECTOR	YFH800-04+YDT236+ULW=500	1	0	0
P601A	4850704S38	CONNECTOR	YH025-04+35098+ULW=400	1	0	0
P601A	4850704S25	CONNECTOR	YH025-04+35098+ULW=300	0	0	1
R104	RS01Z472J-	R M-OXIDE FILM	1W 4.7K OHM J (TAPPING)	1	0	1
R404	RF01Z398K-	R FUSIBLE	1W 0.39 OHM K (TAPPING)	1	0	0
R404	RS01Z279J-	R M-OXIDE FILM	1W 2.7 OHM J (TAPPING)	0	0	1
R410	RD-4Z163J-	R CARBON FILM	1/4 16K OHM J	1	0	0
R410	RD-4Z133J-	R CARBON FILM	1/4 13K OHM J	0	1	1
R420	RN02B620JS	R METAL FILM	2W 62 OHM J SMALL	1	0	1
R601	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	1	0	0
R602	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	1	0	0
R603	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	1	0	0
R604	RN01B750JS	R METAL FILM	1W 75 OHM J SMALL	1	0	0
R605	RN01B121JS	R METAL FILM	1W 120 OHM J SMALL	1	0	0
R620	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	0	0	1
R802	RN02B273JS	R METAL FILM	2W 27K OHM J SMALL	1	0	1
SP2	4858305220	SPEAKER	3W 8 OHM MSF-2D30SB02U	1	0	0
X601	5XE18R432E	CRYSTAL QUARTZ	HC-49/U 18.43200MHZ 30PPM	1	0	0
ZZ131	58G0000143	COIL DEGAUSSING	DC-29S1	1	0	0
ZZ131	58G0000142	COIL DEGAUSSING	DC-25S1	0	1	1
ZZ132	48519A6210	CRT GROUND AS	GND LINE IEA 29	1	0	0
ZZ132	48519A6110	CRT GROUND AS	GND LINE IEA 26	0	1	1

IC DESCRIPTION

U-COM(I701)



- X'TAL : 32.768 KHz

1. Abstract.

This specification is 1-Tuner Mono Model for North/South America, CCD 1-Chip MICOM LC863240V.
It is developing software specification for tuning only NTSC TV F/S.

2. H/W Outline.

1) ROM : 28,672 x 8bits.tsc
: 15,872 x 8 bits for CGROM.
2) RAM : 512 x 8bits.
: 336 x 9bits.(for CRT Display)
3) OSD Function.
- Screen Display. : 34 characters x 16 lines.(by software)
- RAM : 336 words. (9 bits per word)
Display area. : 34 words. x 8 lines.
1st control area. : 8 words. x 8 lines.
- Characters.
244 patterns programmable.
Up to 244 kinds of 16 x 17 dot characters.
Up to 244 kinds of 8 x 9 dot characters.
or
Up to 244 kinds of 16 x 32 dot characters used 16K bytes.
- Various characters attributes.
Character colors. : 16 colors
Character background colors. : 16 colors
Fringe / shadow colors. : 16 colors
Full screen colors. : 16 colors
Rounding.
Underline.
Italic character.(slanting)
- Attribute can be changed without spacing.
- Vertical display start line number can be set for each row independently.(Row can be overlapped.)
- Horizontal display start position can be set for each row independently.
- Different display modes can be set for each row independently.
Caption and Text mode/ OSD mode 1/ OSD mode 2(Quarter size)/ Simplified graphic mode.
- Ten character sizes.
Horiz. x Vert. = (1x1),(1x2),(2x2),(2x4),(0.5x0.5)
(1.5x1),(1.5x2),(3x2),(3x4),(0.75x0.5)
- Shuttering and scrolling on each row.

3. System Feature.

1) The system for TV tuning is Frequency Synthesis type.
2) Closed Captions function is interior designed.

3) On Screen Displays function is interior designed.
4) Package. : 42 PIN SDIP.
5) Tuner (Pre-scaler.) : I^2C Bus.
/PLL IC : TAU 6014-S(SIEMENS).
6) Remocon. : The IC of Transmission (MITSUBISHI M50560)
7) E^2PROM. : 24C16(I^2C Bus) ◊ Apply one byte Read/Write mode.
8) 6-Local Key. : A/D Input Control.(Power, Ch Up/Down, Vol Up/Down, Menu)
9) Option S/W : Port Input Option Check.
10) IF/V/C/D IC :DCT814B(The only NTSC)

4. Function.

1) C. C. D. function.
- A section of C. C. D. operates FCC based specification.

2) C. C. D. controlled function.
- Closed Caption Mode. (Off<-->C1<-->C2<-->T1<-->T2<-->Off)
- CC On Mute.(Off <-->C1<-->C2<-->Off)
- Closed Caption is prior to CC On Mute.

3) Tuning Function.
- I^2C Bus.
- PLL IC Interface.
- FS 181 Channel (AIR 2-69CH, CABLE 1-125CH)
- AFT Operation(Fine Tuning) -2.5Fn+2.5MHz
- AIR/CABLE (STD, HRC, IRC). Only Cable 5,6CH is that AFT range is cover over broad-band. -2.5MHzFn+3.5MHz..
- Memorize Channels.(If a channel is broadcasting, the channel is memorized.)
- Direct Tuning(09KEY)
- Channel Up/Down.(Memorized Channels) -> The Ch Up/Down buttons on the Remocon and on the front panel are same function.
- Search Channel Up/Down.(If No-Memory or only 1CH is Memory)
- Channel Memory.(ADD/DELETE)
- Channel Review Function.
- Last Channel Memory Function.

4) OSD Function.
- In Line(Video) Mode, Things(Items) that is concerned with Air and Cable disappear in the Menu.
- Channel, AV display.
- Small & Graphic ICON Menu.
- Volume / Picture control --> I^2C Bus Control

5) The Others Function.
- Video/Audio Mute Function.
- If a Channel is no signal, after 15 minutes is Auto-Power Off Function.

- Auto Power On Function.(Power Restore function in the Special Menu)
- Heat Run Function. --- OSD White Back-Ground
- Sleep Timer.
- Wake Up Time Function.
- Off Time Function.
- Remote Reception & Control.
- Auto Tint.
- Power Restore.
- Input(TV/Line) Controlled function. ---------- (Option)
- Reception.(Air/Cable : Factory Initial Condition)----------(Option)
- Blue Background.----------(Option)
- 3-Language (North America : ENG/SPA/FRA, South America : ENG/SPA/POR).
- E^2PROM Interface (I^2C Bus Control)
- CH 6 TRAP Function.(IS-31)
- PLL IC Band Data.(Control Byte 2-->P3~P0)

  VHF L : 1

  VHF H : 2

  CH6 TRAP : 5 (IS-31) AIR(Cable) CH 6 Only

  UHF : 8

5. Pin Description

<table>
<tr><th>PIN</th><th>Terminal</th><th>Name</th><th>Explanation</th><th>Remarks</th></tr>
<tr><td>1</td><td>P10</td><td>Input
(Option)</td><td>- High(DC_5V) : The only TV.
- Low(DC_0V) : Line.(Video)</td><td rowspan="8">- Output Format.
- CMOS/Nch -OD.</td></tr>
<tr><td>2</td><td>P11</td><td>Reception
(Option)</td><td>- High(DC_5V) : Cable.
- Low(DC_0V) : Air.</td></tr>
<tr><td>3</td><td>P12</td><td>Audio
(Option)</td><td>- High(DC_5V) : Mono.
- Low(DC_0V) : Stereo.</td></tr>
<tr><td>4</td><td>P13/PWM1</td><td>Remocon
(Option)</td><td>- High(DC_5V) : Mitshubishi.
- Low(DC_0V) : Daewoo(Only at Factory)</td></tr>
<tr><td>5</td><td>P14/PWM2</td><td>Blue Back
(Option)</td><td>- High(DC_5V) : No Blue Back.
- Low(DC_0V) : Blue Back.</td></tr>
<tr><td>6</td><td>P15/PWM3</td><td>Option
(V-Chip)</td><td>- High(DC_5V) : V-Chip.
- Low(DC_0V) : No V-Chip.</td></tr>
<tr><td>7</td><td>P16</td><td>Option
(Auto Tint)</td><td>- High(DC_5V) : Auto Tint.
- Low(DC_0V) : No Auto Tint.</td></tr>
<tr><td>8</td><td>P17/PWM</td><td>PWM
(Cn-220 only)</td><td>- The 8 pin is a spare pin.
- Pin 1 to Pin 8.
- 8-bit input / output port.
- Input /Output can be specified in a bit.
- Other function.
<table><tr><td>P13</td><td>PWM 1 output</td></tr><tr><td>P14</td><td>PWM 2 output</td></tr><tr><td>P15</td><td>PWM 3 output</td></tr><tr><td>P16</td><td>Timer 1(PWM) output.</td></tr></table>- This use cn220 but don't use cn001.</td></tr>
<tr><td>9</td><td>VSS</td><td>GND</td><td>- GND
- Negative power supply.</td><td></td></tr>
<tr><td>10</td><td>XT1</td><td>XT1</td><td rowspan="2">- It uses 32.768KHz X-TAL.
- 10 pin is input terminal for crystal oscillator.
- 11 pin is output terminal for crystal oscillator.</td><td rowspan="2"></td></tr>
<tr><td>11</td><td>XT2</td><td>XT2</td></tr>
<tr><td>12</td><td>VDD</td><td>VDD</td><td>- +5V(±0.5V)
- Positive power supply.</td><td></td></tr>
<tr><td>13</td><td>P84 / AN4</td><td>KEY IN</td><td>- Power, Ch up/down, Vol up/down, Menu.</td><td></td></tr>
<tr><td>14</td><td>P85 / AN5</td><td>AFT IN</td><td>- DC value that comes from the 10 pin of LA76810/14</td><td></td></tr>
<tr><td>15</td><td>P86 / AN6</td><td>AGC IN</td><td>- Connect this port to AGC of Tuner
- Default Voltage. : 3.75V
- Variable Voltages.: 3.25V, 3.5V, 4.0V</td><td></td></tr>
</table>

<table>
<tr><th>Pin</th><th>Terminal</th><th>Name</th><th>Explanation</th><th>Remarks</th></tr>
<tr><td>16</td><td>P87 / AN7</td><td>SPARE A/D</td><td>- 16 pin is a spare pin..
- 13 pin to 16 pin.
- 4 bit input/output port, Nch-OD output.
- Input or output can be specified for each bit.
- Other function.
.AD converter input port (4 lines).</td><td></td></tr>
<tr><td>17</td><td>/RES</td><td>/RES</td><td>- Reset terminal.
- Active Low.</td><td></td></tr>
<tr><td>18</td><td>FILT</td><td>Filter</td><td>- Filter terminal for PLL.
- Output terminal.</td><td></td></tr>
<tr><td>19</td><td>CVIN</td><td>CVSB IN</td><td>- Video signal input terminal..</td><td></td></tr>
<tr><td>20</td><td>/VS</td><td>/VS</td><td>- Vertical synchronization signal input terminal.</td><td></td></tr>
<tr><td>21</td><td>/HS</td><td>/HS</td><td>- Horizontal synchronization signal input terminal.</td><td></td></tr>
<tr><td>22</td><td>R</td><td>R</td><td>- Red output terminal of RGB image.</td><td></td></tr>
<tr><td>23</td><td>G</td><td>G</td><td>- Green output terminal of RGB image.</td><td></td></tr>
<tr><td>24</td><td>B</td><td>B</td><td>- Blue output terminal of RGB image.</td><td></td></tr>
<tr><td>25</td><td>BL</td><td>BL</td><td>- Fast blanking control signal.
- Switch TV image signal and caption / OSD image signal.
- Output terminal.</td><td></td></tr>
<tr><td>26</td><td>I</td><td>I</td><td>- Intensity output terminal of RGB image signal.
- Output terminal.</td><td></td></tr>
<tr><td>27</td><td>P60/ SDA 0</td><td>ROM Data
Main IC Data</td><td rowspan="4">- 6-bit input/ output port.
- Input / output can be specified for each bit.
- Other function.
<table><tr><td>P60</td><td>IIC0 data I/O</td></tr><tr><td>P61</td><td>IIC0 clock output.</td></tr><tr><td>P62</td><td>IIC1 data I/O.</td></tr><tr><td>P63</td><td>IIC1 clock output.</td></tr></table></td><td rowspan="4"></td></tr>
<tr><td>28</td><td>P61/ SCLK 0</td><td>ROM CLK
Main IC CLK</td></tr>
<tr><td>29</td><td>P62/ SDA 1</td><td>Tuner Data</td></tr>
<tr><td>30</td><td>P63/ SCLK 1</td><td>Tuner CLK</td></tr>
</table>

<table>
<tr><th>Pin</th><th>Terminal</th><th>Name</th><th>Explanation</th><th>Remarks</th></tr>
<tr><td>31</td><td>P70 / INT 0</td><td>Sound Input</td><td rowspan="4">- 4-bit input/ output port.
- Input or output can be specified for each bit.
- # 31 : . Only Cn-220, ITT(MSP)
Low : Front Mask /Mono, High : Back / Stereo.
- Other function
<table><tr><td></td><td>R</td><td>F</td><td>R/ F</td><td>H</td><td>L</td><td>V</td></tr><tr><td>INT0</td><td>E</td><td>E</td><td>D</td><td>E</td><td>E</td><td>03H</td></tr><tr><td>INT1</td><td>E</td><td>E</td><td>D</td><td>E</td><td>E</td><td>0BH</td></tr><tr><td>INT2</td><td>E</td><td>E</td><td>E</td><td>D</td><td>D</td><td>13H</td></tr><tr><td>INT3</td><td>E</td><td>E</td><td>E</td><td>D</td><td>D</td><td>1BH</td></tr></table>- Interrupt receiver format, vector addresses.
<table><tr><td>P70</td><td>INT0input/HOLDrelease input/Nch-Tr. output for watchdog timer.</td></tr><tr><td>P71</td><td>INT1 input/HOLD release input.</td></tr><tr><td>P72</td><td>INT2 input /Timer 0 event input.</td></tr><tr><td>P73</td><td>INT3 input(noise rejection filter attached)/Timer</td></tr></table>♣ Notice ☞ R: Rising, F: falling, H: H level, L: L level, V: Vector, E: Enable, D: Disable.</td><td rowspan="4"></td></tr>
<tr><td>32</td><td>P71/ INT 1</td><td>N.C</td></tr>
<tr><td>33</td><td>P72 / INT 2/ T0 IN</td><td>SD In</td></tr>
<tr><td>34</td><td>P72 / INT 3 / T0 IN</td><td>Remocon In</td></tr>
<tr><td>35</td><td>P00</td><td>ST_By LED</td><td>- Use only Japan Model.
- This port uses when is Stand-By status.
- Condition : Input AC Power On.
- Power off : 'High(DC 5V)' Output.(Red)
- Power on : 'Low(DC 0V)'Output.</td><td></td></tr>
<tr><td>36</td><td>P01</td><td>TV/VIDEO</td><td>- TV Mode : ' High' Line(Video) Mode : 'Low'.</td><td></td></tr>
<tr><td>37</td><td>P02</td><td>H.Out</td><td>- Use to discharge High Voltage when TV set turns off.</td><td></td></tr>
<tr><td>38</td><td>P03</td><td>Sound Reset</td><td>- Sound IC Reset : ITT.</td><td>-Only Cn-220</td></tr>
<tr><td>39</td><td>P04</td><td>AKB</td><td>-Use when control AKB(High Beam: 'High(5V)' Output)</td><td></td></tr>
<tr><td>40</td><td>P05</td><td>Audio Mute</td><td>-Use only 'read data' of 'LA76814/10.</td><td></td></tr>
<tr><td>41</td><td>P06</td><td>Video White</td><td>-Use when TV set turns off.</td><td></td></tr>
<tr><td>42</td><td>P07</td><td>Power</td><td>- Use when does power off/on.
- .Power Off : Output 'Low(DC 0V)'
. Power On : Output 'High(DC 5V)'</td><td></td></tr>
</table>

Output form and existence of pull-up resistor for every port can be specified for each bit.

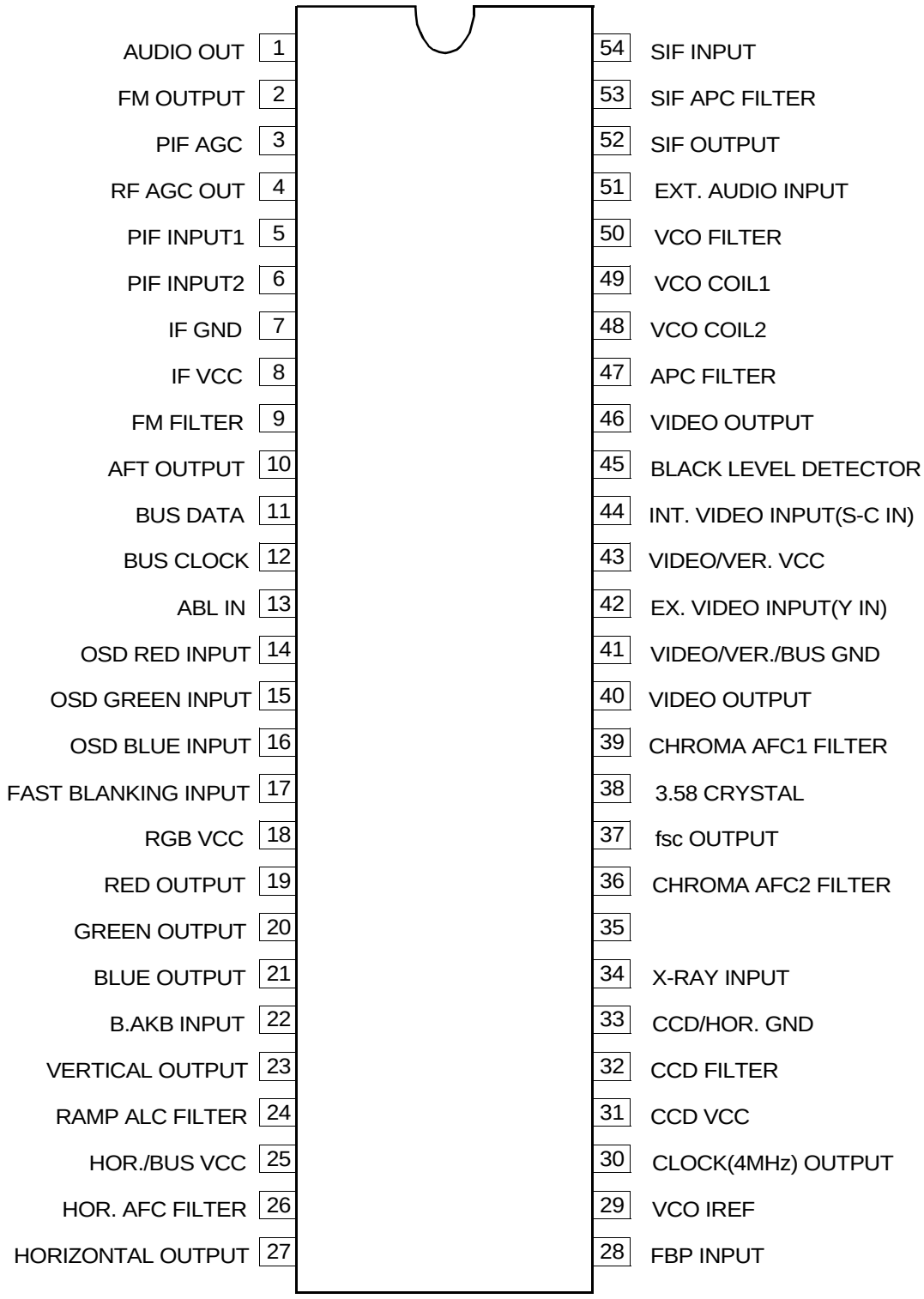
At port 1,"Programmable pull-up resistor provided" when specifying either CMOS or N-ch open drain output.

Port status in reset.

Terminal	I / O	Pull-up resistor status at selecting pull-up option.
Port 0	I	Pull-up resistor OFF, ON after reset release.
Port 1	I	Programmable pull-up resister OFF.

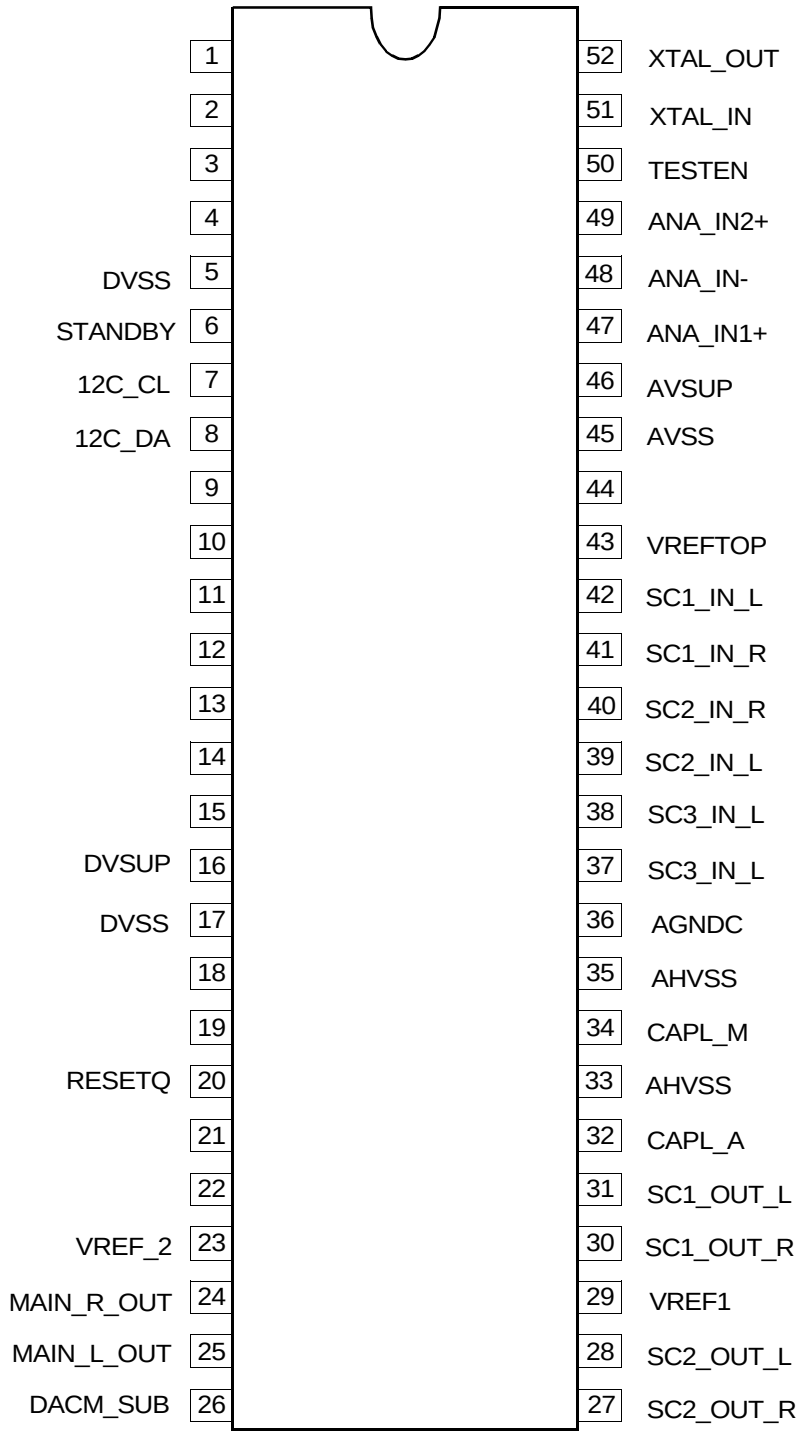
I101

DCT814B : IC VIDEO PROCESSOR



I603

MSP3435G : SOUND PROCESSOR



PIN CONNECTIONS AND SHORT DESCRIPTIONS

NC = not connected; leave vacant

LV = if not used, leave vacant

OBL = obligatory; connect as described in circuit diagram

DVSS: if not used, connect to DVSS

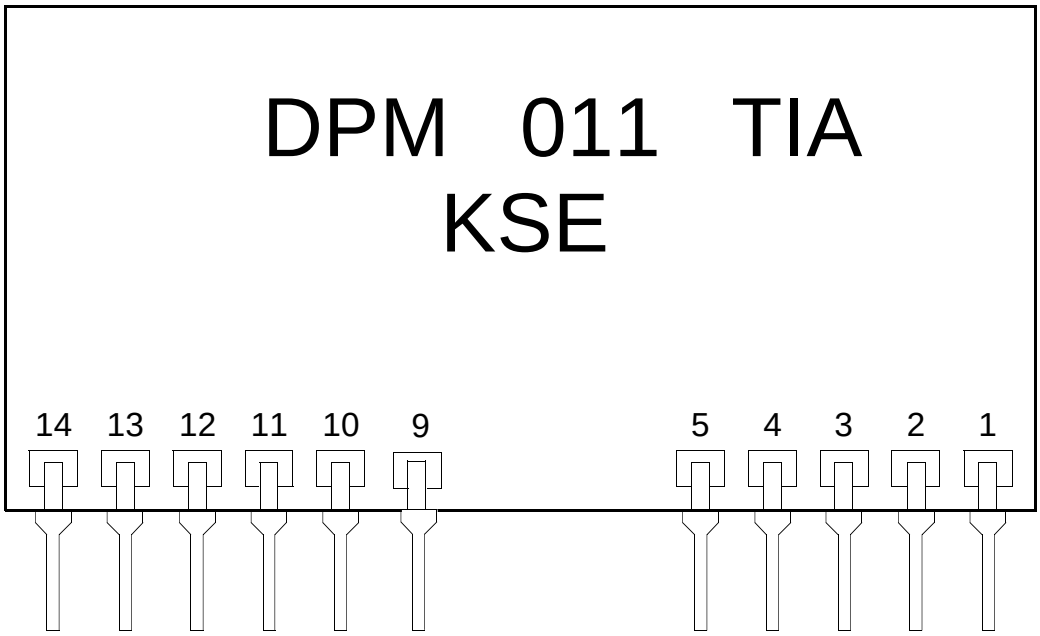
AHVSS: connect to AHVSS

PIN NO. PSDIP 52-PIN	PIN NAME	TYPE	CONNECTION (if not used)	SHORT DESCRIPTION
1	TP		LV	TEST PIN
2	AUD_CL_OUT	OUT	LV	AUDIO CLOCK OUT PUT(18.432MHz)
3	D_CTR_I/O_1	IN/OUT	LV	D_CTR_I/O_1
4	D_CTR_I/O_0	IN	LV	D_CTR_I/O_0
5	ADR_SEL	IN	OBL	I^2C BUS ADDRESS SELECT
6	STANDBYQ	IN	OBL	STAND-BY(LOW-ACTIVE)
7	12C_CL	IN/OUT	OBL	I^2C CLOCK
8	12C_DA	IN/OUT	OBL	I^2C DATA
9	12S_CL	IN/OUT	LV	I^2S CLOCK
10	12S_WS	IN/OUT	LV	I^2S WORD STROBE
11	12S_DA_OUT	OUT	LV	I^2S1 DATA OUTPUT
12	12S_DA_IN1	IN	LV	I^2S1 DATA INPUT
13	ADR_DA	OUT	LV	ADR data output
14	ADR_WS	OUT	LV	ADR word strobe
15	ADR_CL	OUT	LV	ADR clock
16	DVSUP		OBL	Digital ground
17	DVSS		OBL	Digital ground
18	I2S_DA_IN2	IN	LV	I^2S2-data input
19	NC		LV	NOT connected
20	RESETQ	IN	OBL	Power-on-reset
21	DACA_R	OUT	LV	"Headphone out, right"
22	DACA_L	OUT	LV	"Headphone out, left"
23	VREF2		OBL	Reference ground 2
24	DACM_R	OUT	LV	"Loudspeaker out, right"
25	DACM_L	OUT	LV	"Loudspeaker out, left"
26	DACM_SUB	OUT	LV	Subwoofer output
27	SC2_OUT_R	OUT	LV	"SCART output 2, right"
28	SC2_OUT_L	OUT	LV	"SCART output 2, left"
29	VREF1		OBL	Reference ground 1
30	SC1_OUT_R	OUT	LV	"SCART output1, right"
31	SC1_OUT_L	OUT	LV	"SCART output1, left"

PIN NO. PSDIP 52-PIN	PIN NAME	TYPE	CONNECTION (if not used)	SHORT DESCRIPTION
32	CAPL_A		OBL	Volume capacitor AUX
33	AHVSUP		OBL	Analog power supply 8V
34	CAPL_M		OBL	Volume capacitor MAIN
35	AHVSS		OBL	Analog ground
36	AGNDC		OBL	Analog reference voltage
37	SC3_IN_L	IN	LV	"SCART3 input, left"
38	SC3_IN_R	IN	LV	"SCART3 input, right"
39	SC2_IN_L	IN	LV	"SCART2 input , left"
40	SC2_IN_R	IN	LV	"SCART2 input, right"
41	SC1_IN_L	IN	LV	"SCART1 input, left"
42	SC1_IN_R	IN	LV	"SCART1 input, right"
43	VREFTOP		OBL	Reference voltage IF A/D converter
44	MONO_IN	IN	LV	Mono input
45	AVSS		OBL	Analog ground
46	AVSUP		OBL	Analog power supply 5V
47	ANA_IN+	IN	LV	IF input
48	ANA_IN-	IN	AVSS VIA 56pF/LV	"IF common(can be left vacant, only if IF input 1 is also not in use)"
49	ANA_IN2+	IN	AVSS VIA 56pF/LV	"IF input2(can be left vacant, only if IF input 1 is also not not in use)"
50	TESTEN	IN	OBL	TEST PIN
51	XTAL_IN	IN	OBL	CRYSTAL OSCILLATOR
52	XTAL_OUT	OUT	OBL	CRYSTAL OSCILLATOR

I801

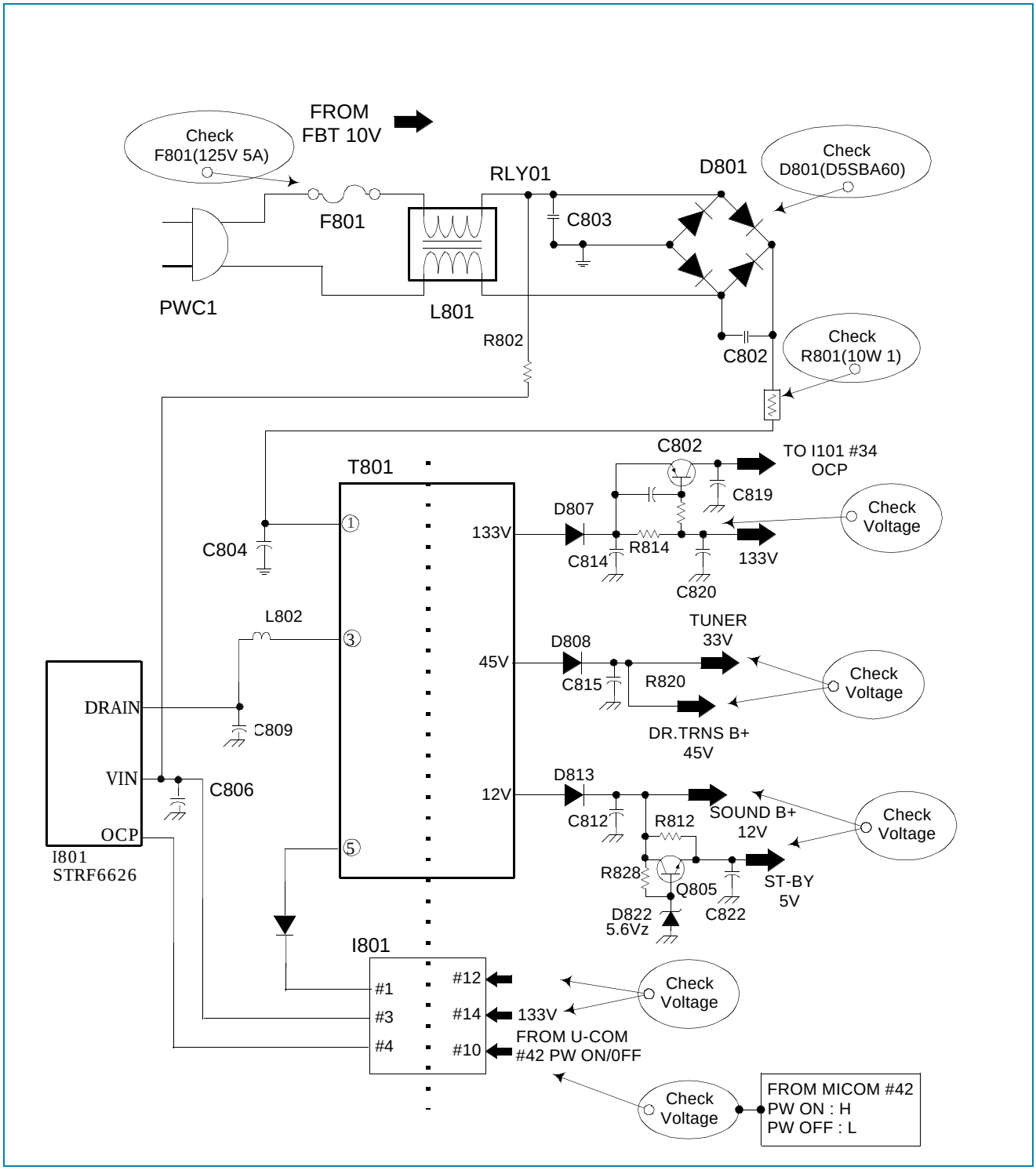
POWER CONTROL MODULE



PIN NO	DESCRIPTION	PIN NO	DESCRIPTION
1	ST-BY VCC	10	POWER ON
2	DELAY	11	ON/OFF
3	VCC	12	ON/OFF PULSE
4	FB	13	GND2
5	GND1	14	+133V INPUT
9	+8V		

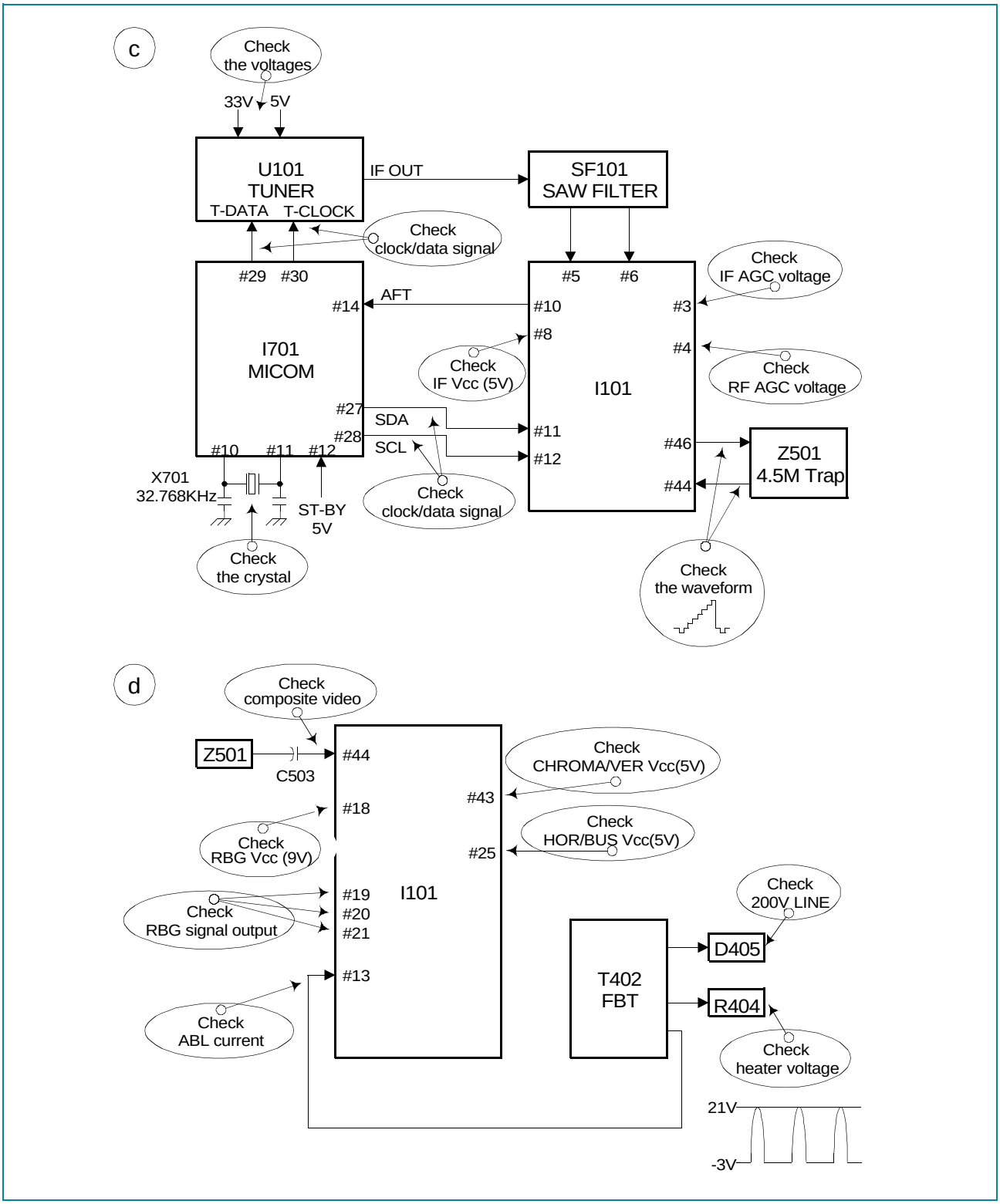
1. NO POWER

If MICOM(I701) is DW863240V-EA1, set does not operate, or remocon does not operate, then ① replace DW863240V-EA1 with DW863240V-EA2(I701) ② replace 24LC16B(I703) with 24LC16B(I703)which ROM DATA was written : A.S PARTS



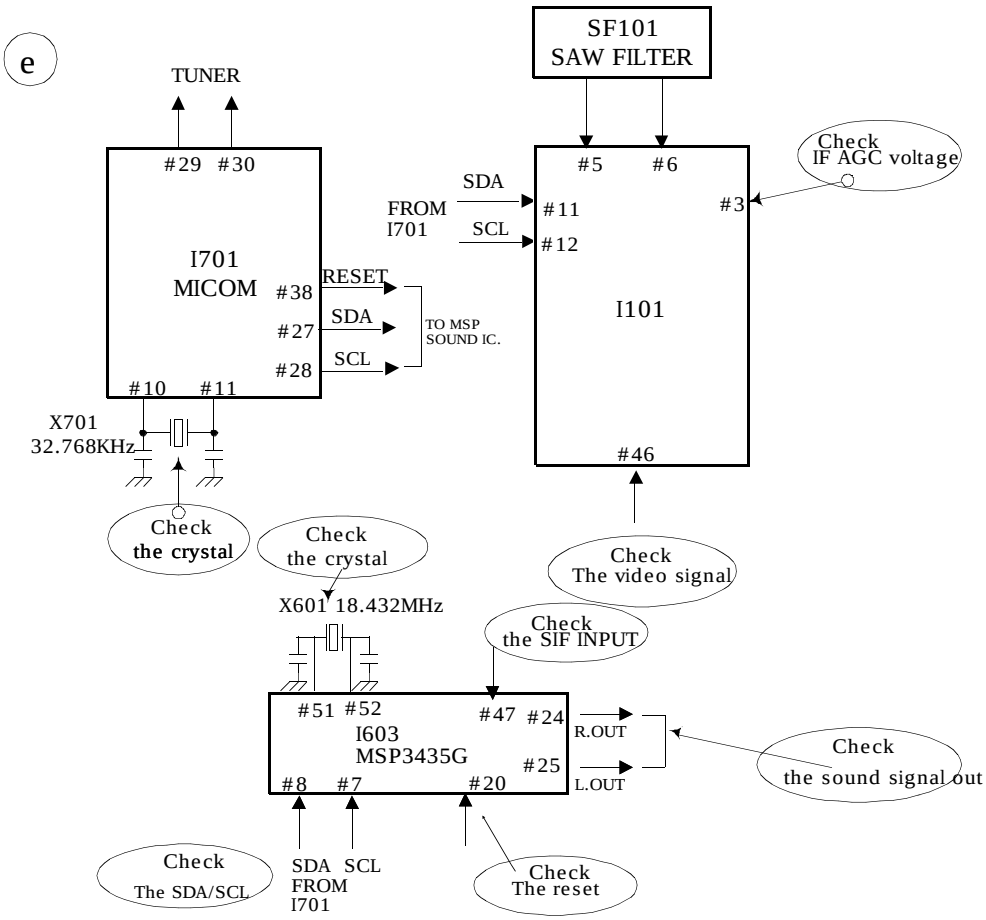
2. NO PICTURE

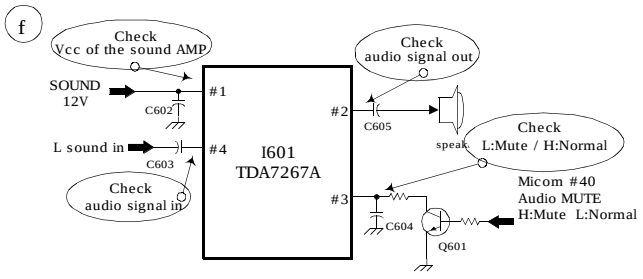
Check the waveform of I101 #46	NG : GO to the figure ⓒ
	OK : Go the figure ⓓ



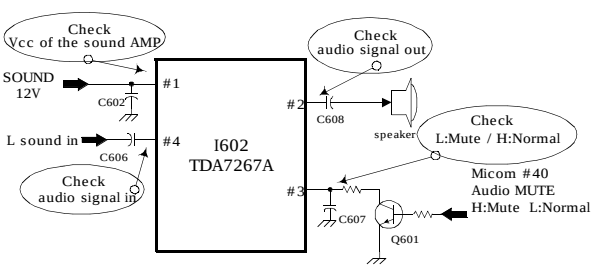
3.1 NO SOUND(DTQ-29S3FC/DTQ-26S3FC)

Check audio output signal of I601 #24 #25	NG : Go to the figure e
	OK : Go to the figure f





: R, SOUND CHECK

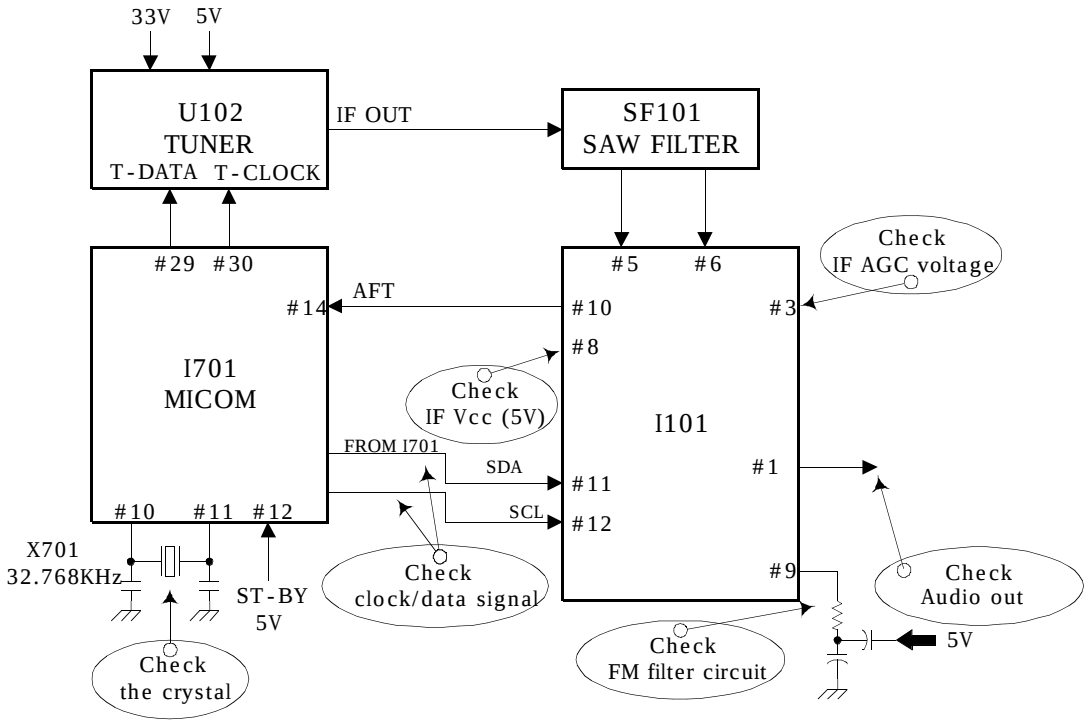


: L, SOUND CHECK

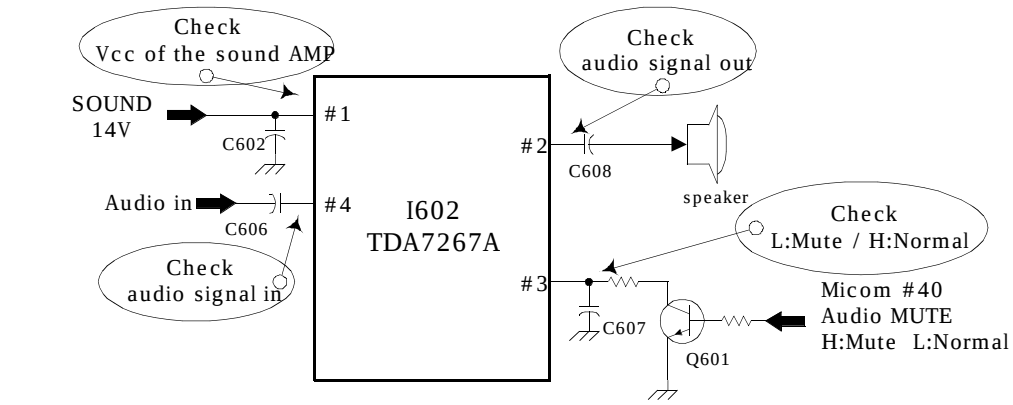
3. 2 NO SOUND(DTQ-26S3FCM)

Check audio output signal of I101 #1	NG : Go to the figure ⓖ
	OK : Go to the figure ⓗ

ⓖ

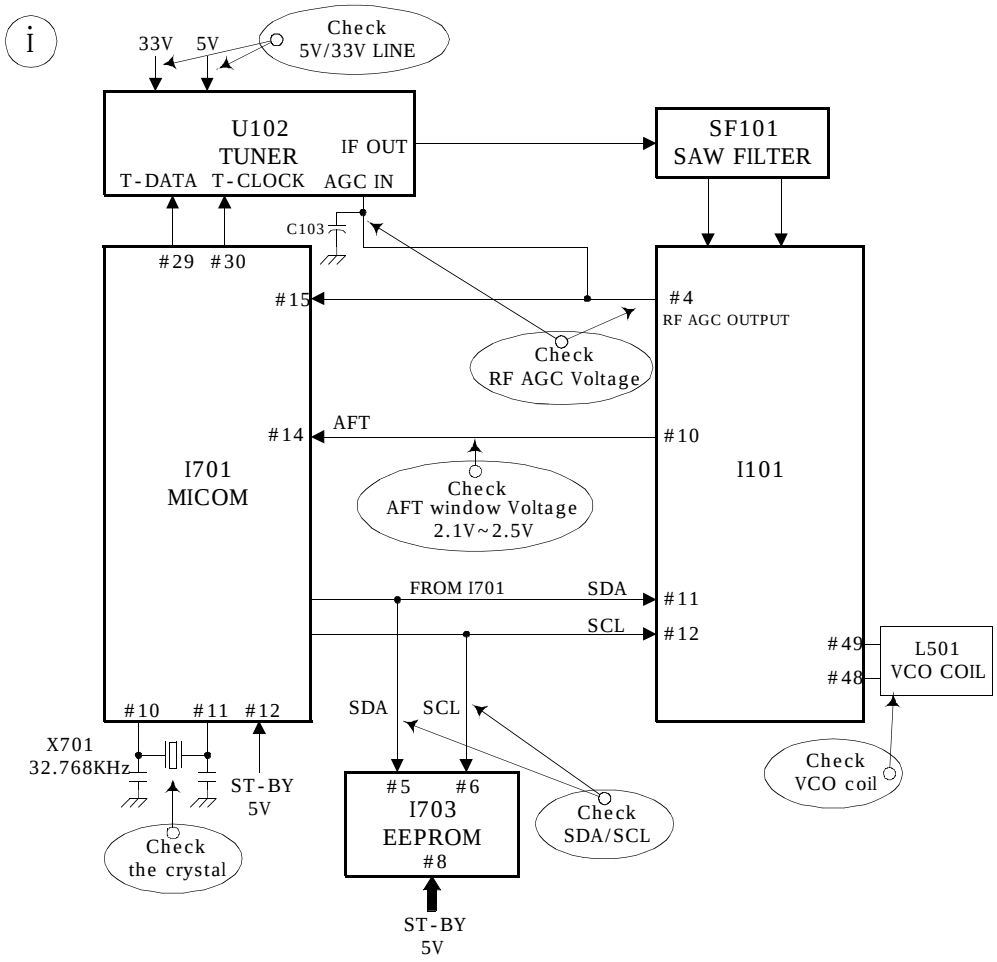


ⓗ

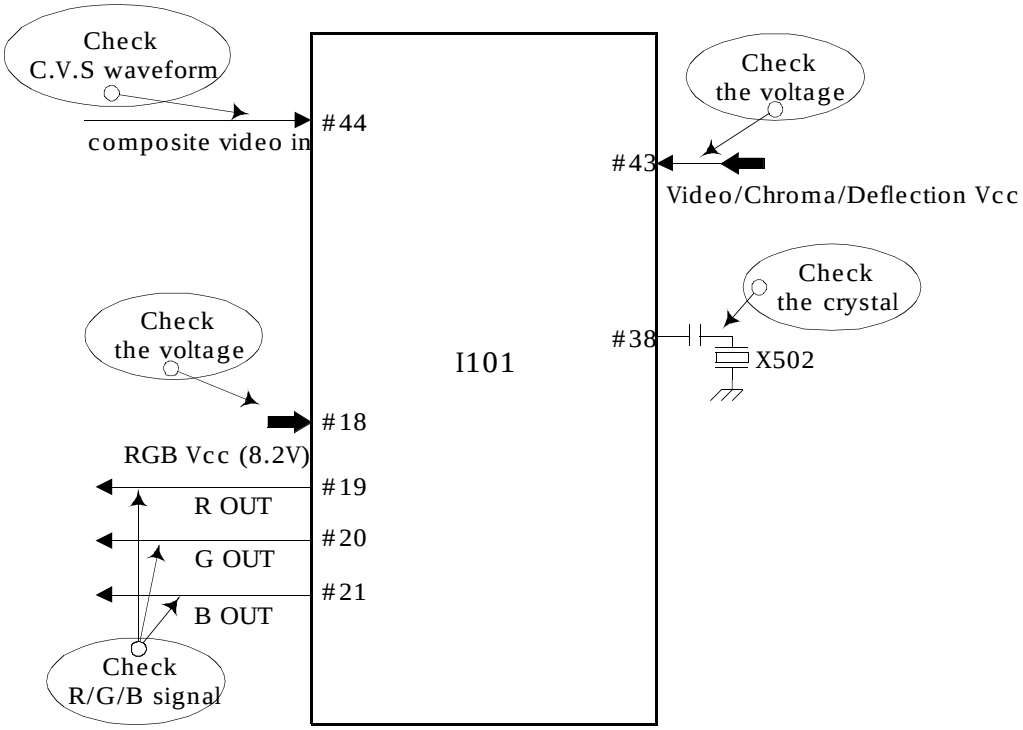


4. CH DON'T STOP

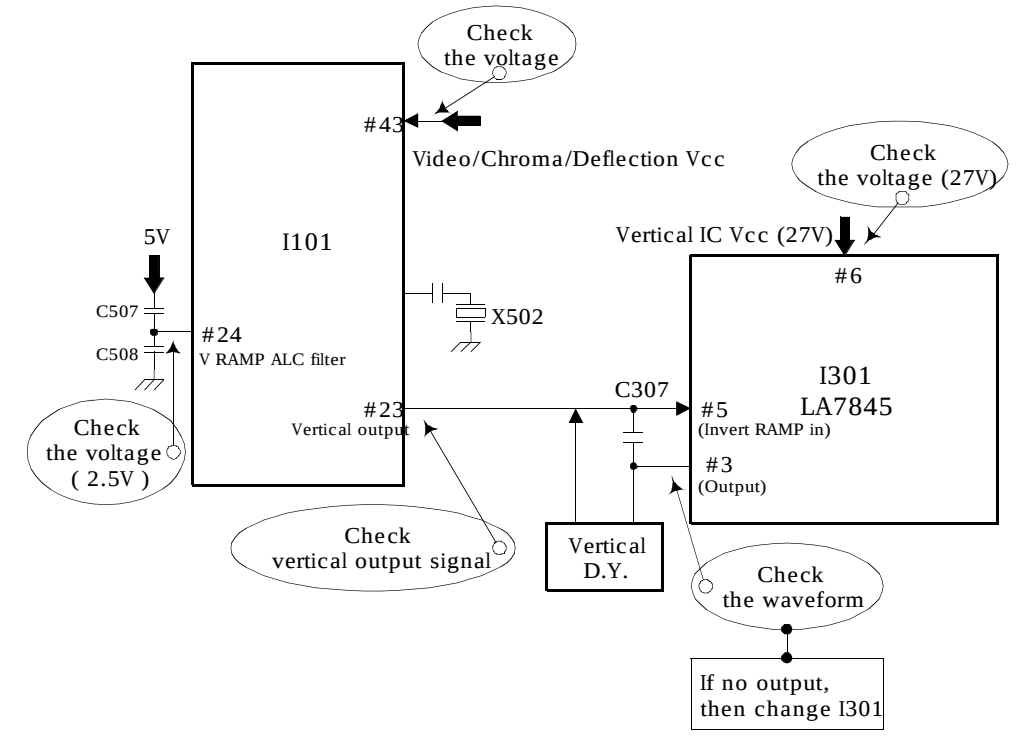
Check the input signal conditions	NG : Loss of signal or weak signal
	OK : Go to the figure ⓘ



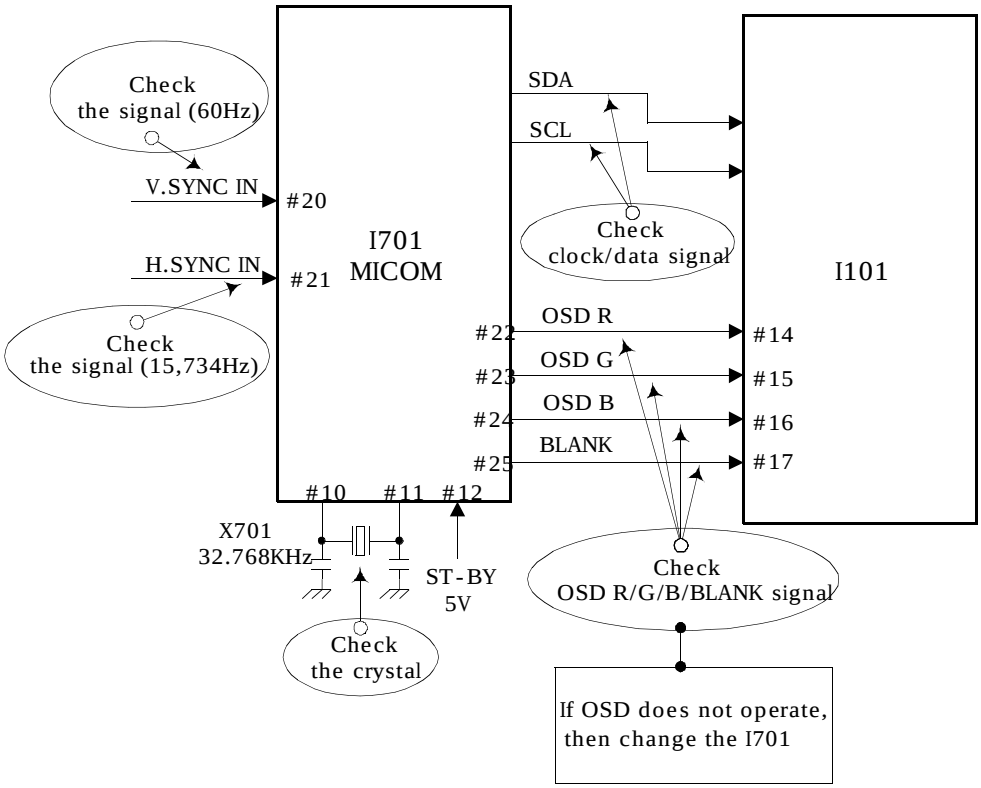
5. NO COLOR



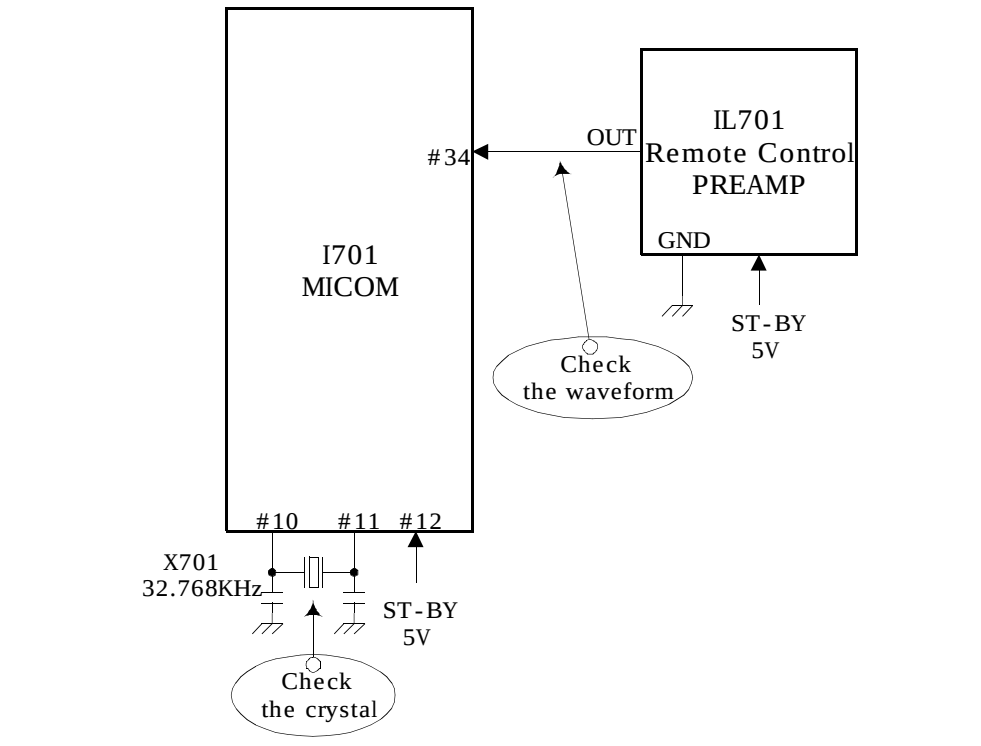
6. NO VERTICAL DEFLECTION



7. NO ON-SCREEN DISPLAY



8. REMOTE CONTROL DOES NOT OPERATE



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