

MODEL : **MEMOREX** MVD1402

CHASSIS : PHILIPS UOC TDA8377 + DS-C005B

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This manual is the latest at the time of print, and does not include the modification which may be made after the printing, by the constant improvement of product.

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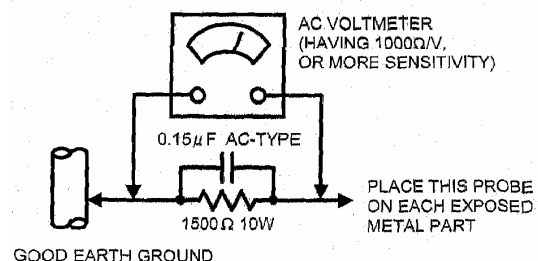
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1. SAFETY

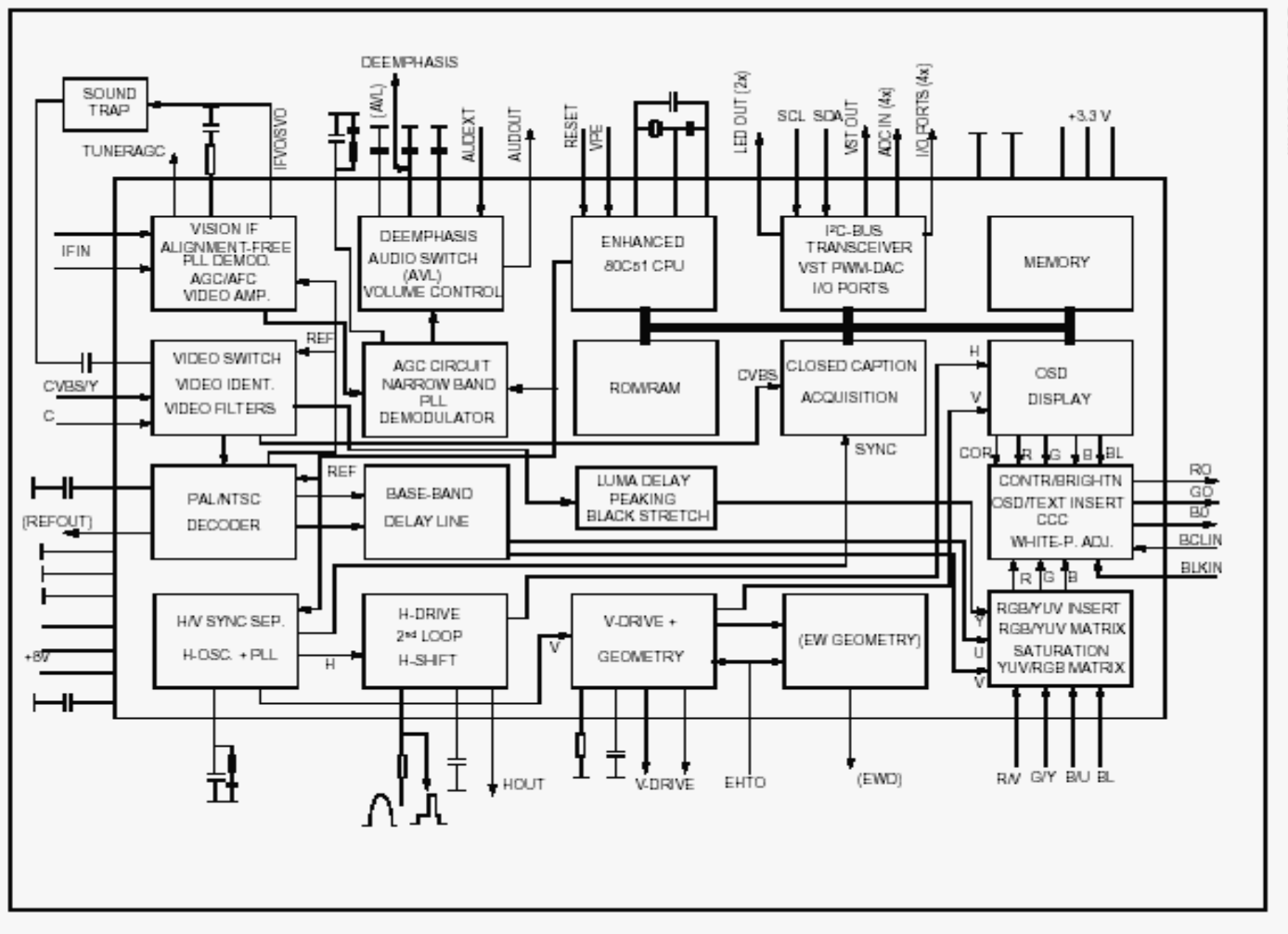
- The design of this product contains special hardware, many circuits and components especially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by shading on the schematics and by (!) on the parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards
- Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.** Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE: (⚡) side GND, ISOLATED (NEUTRAL): (⊥) side GND and EARTH: (⊕) side GND. Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure with a measuring apparatus (oscilloscope etc.) the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time. If above note will not be kept, a fuse or any parts will be broken.
- If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B1 POWER SUPPLY).
- The high voltage applied to the picture tube must conform to that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
- Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.
- When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

PRECAUTIONS

- Isolation Check**
(Safety for Electrical Shock Hazard)
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
- The surface of the TV screen is coated with a thin film which can easily be damaged. Be very careful with it when handle the TV. Should the TV screen become soiled, wipe it with a soft dry cloth. Never rub it forcefully. Never use any cleaner or detergent on it.
- (1) Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (...Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires test equipment not generally found in the service trade.
- (2) Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use line isolation transformers during this check). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).
 - Alternate Check Method
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 ohms per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.)



2. Block diagram TDA8377 PS/N2 series with mono intercarrier sound demodulator



BLOCK DIAGRAM

3. REPLACEMENT OF MEMORY IC

1. MEMORY IC.

This TV uses memory IC. In the memory IC are memorized data for correctly operating the video and deflection circuits.

2. PROCEDURE FOR REPLACING MEMORY IC

- (1) Standby off
Switch the power off and unplug the power cord from AC outlet.
- (2) Replace IC
Be sure to use memory IC written with the initial data values.
- (3) Standby On
Plug the power cord into the AC outlet and switch the power on.
- (4) Check and set SYSTEM default value:
 - 1) Press "MUTE" → "CALL" → "-\--" → "CALL" → "MUTE" buttons in sequence to enter into factory status.
 - 2) If the memory IC haven't been written with the initial data, press [Program+] / [Program-] to select item INIT and press [VOLUME+] / [VOLUME-] to start initialize memory IC.
 - 3) Check the setting value of the SYSTEM default value of Table below. If the value is different, select items by [Program+] / [Program-] keys and set value by [VOLUME+] / [VOLUME-] keys.
 - 4) Press "EXIT" button to return to the normal screen.

4. SERVICE ADJUSTMENT

Specific operation: use remote controller

Press "MUTE" → "CALL" → "-\--" → "CALL" → "MUTE" buttons in sequence to enter into factory mode.

Press [Program+] / [Program-] to select items and press [VOLUME+] / [VOLUME-] key, to make data adjustment of corresponding factory menus.

Press "EXIT" key to exit factory mode.

Focus adjustment

1. Receive a crosshatch signal.
2. While watching the screen, adjust the FOCUS VR on the FBT to make the vertical and horizontal lines as fine and sharp as possible.

Geometrical adjustment

Receive NTSC standard complete pattern signal.

Adjustment steps:

- a) Adjust VSL, to the centre horizontal line just appears from half bottom shadow.
- b) Adjust VAM, to get 92% of vertical picture contents would be displayed on CRT.
- c) Adjust VSH, the centre horizontal line corresponds to CRT vertical centre.
- d) Adjust SCL, to the linearity of P card field is in proper condition.
- e) Adjust HSH, to get the picture horizontal centre correspond to CRT horizontal centre.

Receive NTSC signal and repeat above adjustment.

AGC Adjustment

Receive 60dB μ (1mV) VH colour bar pattern signal.

Select TOP item.

Adjust value, to noise reduce gradually and just disappeared point.

CRT cut off and white balance adjustment

- a) CRT cut off adjustment
 1. Select item VG2B, then adjust value to 42.
 2. PRESS "0" key, when the screen shows "VG2" adjust the SCREEN control on Fly back transformer to make the screen show alternating flashing characters of "INSIDE HIGH INSIDE LOW".
- b) White balance adjustment
 1. Receive a Black and White pattern.
 2. Adjust WRP, WRG, WRB items to get colour temperature 9300K \pm 3 JND.

Adjustable Items

Direct access key	Items	Description	Preset	Remark
"1"	5/6HSH	Horizontal shift	ON	A
"2"	5/6VSL	Vertical slop	21	A
	5/6VAM	Vertical amplitude	45	A
	5/6SCL	S-correction	20	A
	5/6VSH	Vertical shift	38	A
	5/6VOF	OSD Vertical offset	38	A
	HOF*	OSD Horizontal offset	20	A
"3"	RED	Black level offset R	32	A
	GRN	Black level offset G	32	A
	WPR	White point R	30	A
	WPG	White point G	26	A
	WPB	White point B	38	A
	YDAV	Y-Delay for PAL	7	
"4"	TOP	AGC Take-over point	32	A
	VOL	Volume	36	
	9874	Output level of TDA9874A	18	
	AVLT	TDA9874A AVL delay time 0=OFF, 1=2s, 2=4s, 3=8s	1	
	9860	Sub-volume of TDA9860/59	59	
	IFFS	IF 2 = 38.9MHz, 3 = 38MHz	2	
	HDOL	Cathode drive level	5	
	AGC	IF AGC speed	1	
	VG2B	VG2 Brightness	42	
"5"	Picture preset 1			
	0CON	Listen: Contrast	0	A
	0BRI	Listen: Brightness	0	A
	0COL	Listen: Colour	50	A
	0SHP	Listen: Sharpness	50	A
	1CON	Soft: Contrast	45	A
	1BRI	Soft: Brightness	45	A
	1COL	Soft: Colour	50	A
	1SHP	Soft: Sharpness	50	A
"6"	Picture preset 2			
	2CON	Standard: Contrast	75	A
	2BRI	Standard: Brightness	50	A
	2COL	Standard: Colour	50	A
	2SHP	Standard: Sharpness	60	A
	3CON	Dynamic: Contrast	85	A
	3BRI	Dynamic: Brightness	60	A
	3COL	Dynamic: Colour	60	A
	3SHP	Dynamic: Sharpness	80	A

NOTE: THE ITEMS WITH REMARK "A" IS ADJUSTABLE DATA.

Optional data

1. OP1

Bit	Function	Description	Preset	Remark
Bit 7	RESERVE	1 = Enable	0	EA
Bit 6	AV2	1 = Enable	1	EA
Bit 5	Halftone	1 = Enable	1	EA
Bit 4	RGB	1 = Enable	0	EA
Bit 3	DVD	1 = Enable	1	EA
Bit 2	Comb filter	1 = Enable	0	EA
Bit 1	SVHS	1 = Enable	0	EA
Bit 0	AV1	1 = Enable	1	EA

2. OP2

Bit	Function	Description	Preset	Remark
Bit 7	Ident sensitive PAL	1=21dB μ V 0=26dB μ V	0	EA
Bit 6	TILT	1=Enable	0	EA
Bit 5	OSO	Translucence OSD manual	1	EA
Bit 4	FSL	1=Enable	0	EA
Bit 3	RESERVE	1=QD 0=HF	0	EA
Bit 2	FMWS	1=Enable	1	EA
Bit 1	RESERVE	1=Enable	0	EA
Bit 0	AVL	1=Enable	1	EA

3. OP3

Bit	Function	Description	Preset	Remark
Bit 7	TDA8377	1=TDA9377 0=TDA9378	1	EA
Bit 6	16:9	1=Enable	0	EA
Bit 5	RESERVE		0	EA
Bit 4	RESERVE		0	EA
Bit 3	YPbPr	1=YPbPr 0=Yuv	1	EA
Bit 2	Blue/Black back	1=Blue Back 0=Black Back	1	EA
Bit 1	RESERVE		0	EA
Bit 0	Woofers	1=Enable	0	EA

4. OP4

Bit	Function	Description	Preset	Remark
Bit 7	RESERVE	1 = Enable	0	EA
Bit 6	VCHIP	1 = Enable	1	EA
Bit 5	RESERVE	1=Enable	0	EA
Bit 4	Soft program change	1=Enable	0	EA
Bit 3	RESERVE	1=YPbPr 0=Yuv	0	EA
Bit 2	RESERVE	1=Blue Back 0=Black Back	0	EA
Bit 1	RESERVE	1=Enable	0	EA
Bit 0	RESERVE	1=Enable	0	EA

5. OP5

Bit	Function	Description	Preset	Remark
Bit 7	Auto character	1 = Enable	0	EA
Bit 6	FREQ display	1 = Enable	1	EA
Bit 5	AV	1=Enable	0	EA
Bit 4	PAL	1=Enable	0	EA
Bit 3	Portuguese	1= Enable	0	EA
Bit 2	Spanish	1=Enable	1	EA
Bit 1	French	1=Enable	1	EA
Bit 0	English	1=Enable	1	EA

6. OP6

Bit	Function	Description	Preset	Remark
Bit 7	RESERVE		0	EA
Bit 6	RESERVE	1 = Enable	1	EA
Bit 5	SOFT CHANGE AV	1 = Enable	1	EA
Bit 4	LISTEN	1 = Enable	1	EA
Bit 3	INNER DVD	1 = Enable	1	EA
Bit 2	ZOOM	1 = Enable	0	EA
Bit 1	9860	1 = Enable	0	EA
Bit 0	Menu manner	1 = caption in top 0 = caption in bottom	1	EA

Note: Don't adjust any OPTION items, please inform the engineer about any change.

5. ICs functional description

1. N501 UOC TDA9377

SYMBOL	PIN	DESCRIPTION
STAND BY output.	1	In STAND BY mode, low level (Power OFF). For Power ON this pin will be high.
SCL	2	I ² C-bus clock line
SDA	3	I ² C-bus data line
TUNING	4	tuning Voltage (Vt) PWM output
KEY	5	Control keys input
SYSTEM	6	TV system control
VOL	7	Sound Volume control PWM output
MUTE	8	Sound mute output
VSSC/P	9	Digit ground for μ -controller core and periphery
CTL	10	DVD power control
VACANT	11	Vacant
VSSA	12	Analog ground of digital ground of TV-processor
SECPLL	13	Internally connected
VP2	14	2 nd supply voltage TV-processor(+8V)
DECDIG	15	decoupling digital supply of TV-processor
PH2LF	16	Phase-2 filter
PH1LF	17	Phase-1 filter
GND3	18	Ground 3 for TV-processor
DECBG	19	Band gap decoupling
AVL/EWD	20	Automatic volume levelling
VDRB	21	Vertical drive B output
VDRA	22	Vertical drive A output
IFIN1	23	IF input 1
IFIN2	24	IF input 2
IREF	25	Reference current input
VSC	26	Vertical sawtooth capacitor
TUNER AGC	27	Tuner AGC output
AUDEEM/SIFIN1 *1	28	Audio deemphasize or SIF input
DECSDEM/SIFIN2	29	Decoupling sound demodulator
GND2	30	Ground 2 for TV processor
SNDPLL/SIFAGC *1	31	Narrow band PLL filter
AVL	32	Automatic Volume Levelling
HOUT	33	Horizontal output
FBISO	34	Flyback input/sandcastle output
AUDEXT	35	External audio output
EHTO	36	EHT/over voltage protection input
PLL IF	37	IF-PLL loop filter
IFVO/SVO	38	IF video output / selected CVBS output
VP1	39	supply voltage TV processor
CVBS INT	40	internal CVBS input
GND1	41	ground for TV processor
CVBS/Y	42	CVBS/SVHS(Y) input

CHROMA	43	SVHS (C) input
AUDOUT	44	Audio output
INSSW2	45	YUV insertion input
R2/VIN	46	R input / V (R-Y) input / PR input
G2/YIN	47	G input / Y input
B2/UIN	48	B input / U (B-Y) input / PB input
BCLIN	49	Beam current limiter input
BLKIN	50	Black current input
RO	51	Red output
GO	52	Green output
BO	53	Blue output
VDDA	54	Analog supply of Closed Caption decoder and digital supply of TV-processor (3.3 V)
VPE	55	Ground
VDDC	56	Digital supply to core (3.3 V)
OSCGND	57	Oscillator ground supply
XTALIN	58	Crystal oscillator input
XTALOUT	59	Crystal oscillator output
RESET	60	Ground
VDDP	61	Digital supply to periphery (+3.3 V)
P1.0/INT1	62	AV1 / AV2 mode Output.
P1.1/T0	63	AV /S-VHS mode Output.
P1.2/INT0	64	Remote control signal input.

Note

Pin	TV	SVHS	AV1	AV2
62	1	0	0	1
63	1	1	0	0

2. N902 24C08/PCF8598

PIN	Function
1	GND
2	GND
3	Upper resistance
4	GND
5	SDA data wire
6	SCL clock wire
7	GND
8	+5V Power

3. N601: Sound power amplify (AN7522N)

Symbol	PIN	Function	Symbol	PIN	Function
Vcc	1	Power supply	GND	7	ground
Out 1 (+)	2	Ch 1 output (+)	In 2	8	Ch 2 input
GND(out 1)	3	Ch 1Ground	VOL	9	Volume Control
Out 1 (-)	4	Ch 1 output (-)	Out 2 (-)	10	Ch 2 output (-)
Standby	5	Mute input	GND(out 2)	11	Ch 2 Ground
In 1	6	Ch 1 input	Out 2 (+)	12	Ch 2 output (+)

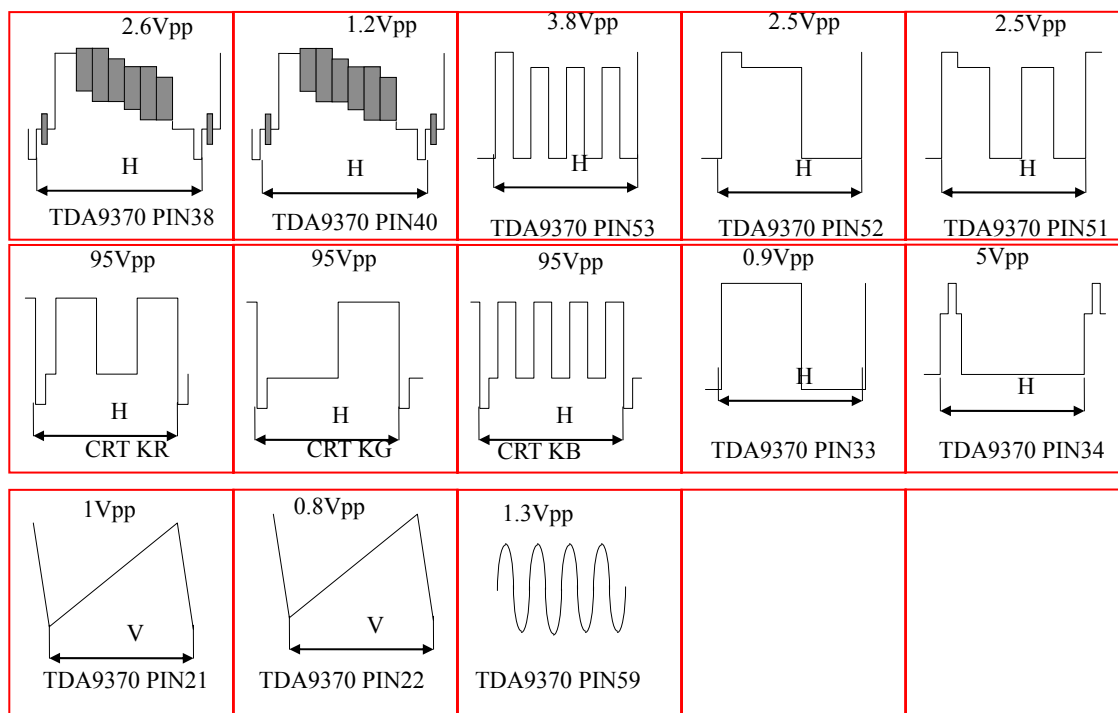
4. N301: Vertical output (TDA8357A)

Symbol	PIN	Function	Symbol	PIN	Function
INV IN	1	Input	PUMP UP	6	Pump up power
INV IN	2	Input	V OUT	7	Vertical output
Vcc	3	Pump up power	V PRO	8	Vertical protection
V OUT	4	Vertical output	V FEEDBACK	9	Vertical feedback
GND	5	Ground			

5. U101: Tuner

PIN	Function	PIN	Function
1	AGC	7	+5V
2	vacant	8	vacant
3	Gnd	9	Vt 33V
4	SCL	10	Gnd
5	SDA	11	IF Out
6	+5V		

6. Test point Waveforms



7. IC voltages

TDA9377

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
V	0	3.8	3.6	3.3	3.5	4.4	5.1	1.8	0	0.18	0.17	0	2.3	8	5	3
PIN	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
V	4	0	4	0.5	0.7	0.8	1.9	1.9	3.9	3.8	1.6	3.2	2.3	0	2.3	0.2
PIN	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
V	0.5	0.3	0	1.7	2.4	3.4	8	3.9	0	3.3	0	3.6	1.4	2.5	2.5	2.5
PIN	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
V	1.9	5.0	2.4	2.4	2.4	3.1	0	3.2	0	1.8	1.7	0	3.2	5.1	3.3	5

TDA8357

PIN	1	2	3	4	5	6	7	8	9
V	0.8	0.7	16	6.9	0	43	7.2	0.3	7.2

AN 7522N

PIN	1	2	3	4	5	6	7	8	9	10	11	12	
V	10	4.4	0	4.4	2.75	1.4	0	1.4	0.35	4.4	0	4.4	

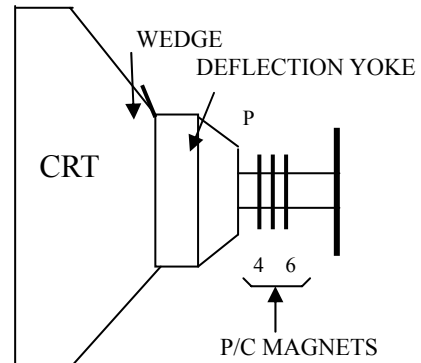
24C08/PCF8598

PIN	1	2	3	4	5	6	7	8
V	0	0	5.1	0	3.2	0	0	5.1

8. PURITY / CONVERGENCE ADJUSTMENT

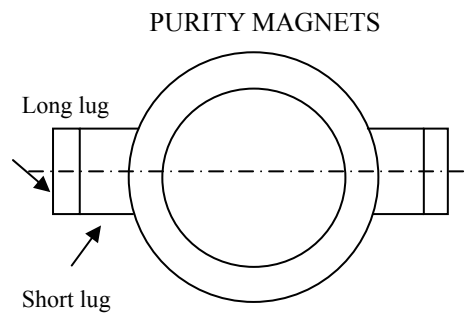
PURITY ADJUSTMENT

1. Demagnetize CRT with the demagnetizer.
2. Loosen the retainer screw of the deflection yoke.
3. Remove the wedges.
4. Input a green raster signal from the signal generator, and turn the screen to green raster.
5. Move the deflection yoke backward.
6. Bring the long lug of the purity magnets on the short lug and position them horizontally. (Fig2)
7. Adjust the gap between two lugs so that the GREEN RASTER will come into the centre of the screen. (Fig. 3)
8. Move the deflection yoke forward, and fix the position of the deflection yoke so that the whole screen will become green.
9. Insert the wedge to the top side of the deflection yoke so that it will not move.
10. Input a crosshatch signal.
11. Verify that the screen is horizontal.
12. Input red and blue raster signals, and make sure that purity is properly adjusted.



P: PURITY MAGNET
4: 4-POLES (convergence magnets)
6: 6-POLES (convergence magnets)

Fig. 1



Bring the long lug over the short lug and position them horizontally.

Fig. 2

(FRONT VIEW)

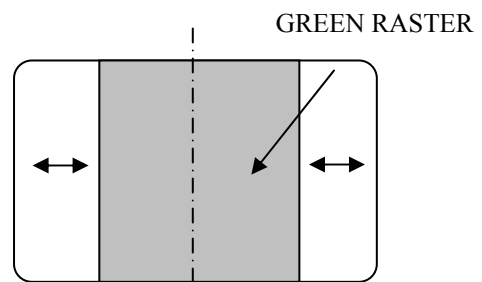
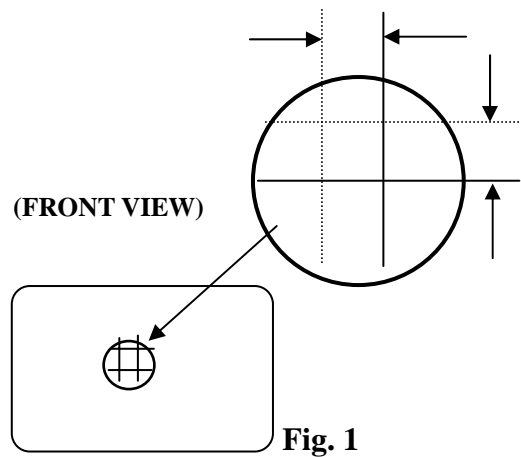


Fig. 3

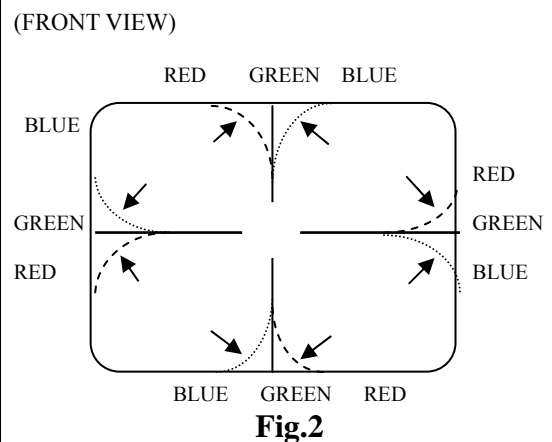
STATIC CONVERGENCE ADJUSTMENT

1. Input a crosshatch signal.
2. Using 4-pole convergence magnets overlap the red and blue lines in the center of the screen (Fig. 1) and turn them to magenta (red/blue).
3. Using 6-pole convergence magnets overlap the magenta (red/blue) and green lines in the center of the screen and turn them to white.
4. Repeat 2 and 3 above, and make the best convergence.

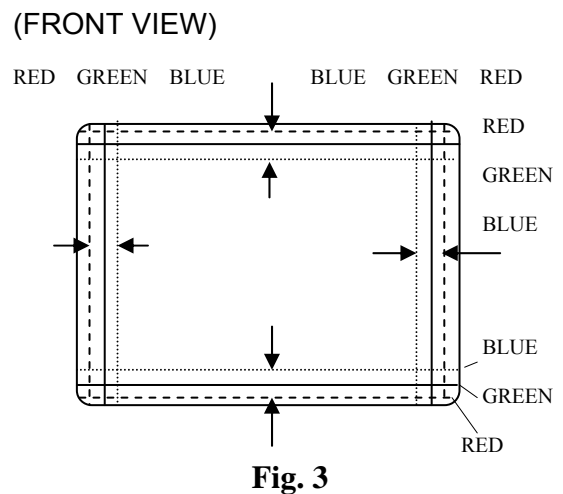


DYNAMIC CONVERGENCE ADJUSTMENT

1. Move the deflection yoke up and down and overlap lines in the periphery. (Fig. 2)
2. Move the deflection yoke left to right and overlap lines in the periphery. (Fig. 3)
3. Repeat 1 and 2 above, and make the best convergence.



After adjustment, fix the wedge at the original position.
Fasten the retainer screw of the deflection yoke.
Fix the 6 magnets with glue.



9. DVD Part: Introduction of MTK1379 maintenance

1. Under normal power supply conditions, the maintenance plan for MT1379 mono-chip is: first the reset circuit resets the MT1379, after the crystal oscillator circuit gave the clock signal to MT1379, MT1379 will start the initialization check for Flash、E²PROM、SDRAM, after everything is checked to be normal, it will start initialization check for 7Audio DAC, MT1336 and motor Driver.
2. If the all the a.m. parts are good, then MT1379 will send signal to motor Driver to drive the servo system, pick up then to generate DVD light for collection, tracing the main shaft to check if there is any disc, and confirm if it is CD format or DVD format disc. If the disc is in DVD format, the system will read the data from the disc directly; if it is in CD format MT1336 will drive the CD laser to send out CD light and read the data, the data then will be amplified through MT1336 and sent to MT1379 for data processing, released by MPEG and resolved into video data and audio data, then they will be returned to analog signals through VIDEO DAC、AUDIO DAC.

Decoder section

3. There is power supply, clock and reset, but the system does not work.
 - 1) Check if all the address wires required for FLASH are exist, and if they are in normal status, especially check if the A0~A15 of FLASH have normal signals, if there aren't, then inspect MT1379 to see if there is faulty soldering. If there are normal signals at A0~A15, check if the address data signal of MT1379 and SDRAM is normal. If it is normal, then check the signal at A16~A19 of MT1379; if there are also signals, then check the 8 video data wires; if there is no signal, then check the corresponding pins of MT1397 to see if there is any short circuit, break or faulty soldering.
 - 2) If all the a.m. conditions are good, but there is still no video signal output, then the filter circuit after MT1379 shall be checked.
4. System in normal operation, but the audio has no sound.
 - 1) Check if all the signals of DATA, MCLK, BCLK, LRCK and reset required by the Audio DAC are exist, if there is signal missing, then check the signal line between MT1379 and Audio DAC. If the line is connected properly, but there is no signal, then check if there is any welding problem at the corresponding pins of MT1379. If it is still OK, it is probably the problem on MT1379 itself.
 - 2) All the required signals are exist, while there is no audio output. Then you need to check the lower passing amplifying circuit and the MUTE circuit at the back of Audio DAC. Also check if there is any power supply to the Audio DAC.
 - 3) Check if the power supply voltage required for playing is at normal level.

Servo Section

5. After the LOGO of the machine shows normally, there is no OSD display. This problem mainly is caused by the abnormality between servo and MPEG, possible problems may be:
 - 1) T1336 and its surrounding circuits have problems.
 - 2) Servo part of MT1379 has problems.
6. OSD display is normal while there is no action of servo part (feeding motor does not work, main shaft does no turn, possible fault status are:
 - 1) The corresponding signals giving by MT1379 to DMSO、FMSO are missing, the reason may be the problem of MT1379 or the communication between MT1379 and motor Driver.
 - 2) Not output from Motor Driver, the reason may be the problem on motor Driver or its corresponding circuit.
7. Servo part in good status, while there is no pick up action (no light, no focus)
 - 1) No light, check the power supply (power supply for pick up), or the light producing driving circuit to see if they are in normal status.
 - 2) No focus, check MT1379 to see if there is signal output from FOSO、TRSO. Secondly, check motor driver to see if there is F+、F-、T+、T-signal output. Thirdly, check the external corresponding circuit of the motor driver to see if there is any problem.
8. All the servo part has action, while it cannot read out the disc
 - 1) Check MT1336 if there is RF net picture output, if there isn't, then it must be the problem of MT1336 and external surrounding circuits, if there is output, then it might the problem of MT1369 and its surrounding circuits.
 - 2) There is RF signal, but not in normal status, then check MT1336 and surrounding circuits.
 - 3) Everything is normal, but the disc cannot be read out, check MT1369 and its surrounding circuit

10. List of Parts

LOCATION	material code	specification	specification	QTY
	DA0SW0E0100-001	MODEL: MVD1402		
	0090806682	FRONT FRAME MODULE	BJH3156-----Q	1
	0090806683	FRONT FRAME ASSEMBLY	MTAA3191AC--Q	1
	0090401734	WIRING HARNESS	TJC3-2A	1
	0094009173	SPEAKER	YDT0313-8W-8Ω	2
	0090600013	SCROW	SJ2825-87 ST3x12F	8
	0090401336	FRONT AV WIRING HARNESS		1
	0090600013	SCROW	SJ2825-87 ST3x12F	2
	0090600200	SCROW	SJ2825-87 ST3x12F	3
	0090600013	SCROW	SJ2825-87 ST3x12F	1
	0090600013	SCROW	SJ2825-87 ST3X12F	3
	0090206322	FRONT FRAME		1
	*	LIGHT GUIDING COMPONET		1
	*	touch switch		1
	*	cap of power switch		1
	*	SPRING		1
	*	pad		1
	0094008692	DVD MODULE	MTZD7006AG--Q	1
	0090204545	DVD PLANK	MTAC7014AA--Q	1
	0090100709	DVD screening cover(upper)		1
	0090100710	DVD screening cover(lower)		1
	0090600011	scrow		4
	0090204529	DVD COVER		1
	0090203564	sponge piece		8
	0090808308	back cover module	BJH3174-----Q	1
	0090808309	back cover assembly	MTAA3203AC--Q	1
	0090205856	back cover	MTAA3209AC--Q	1
	0090600037	scrow	SJ2825-87 ST3X10F	1
	0090600037	scrow	SJ2825-87 ST3X10F	2
	0090206304	AV brand (9AV+coaxial)		1
	0094011714	module	BJH3157-----Q	1
	0090200008	HIGH VOLTAGE STRING TACH	TEM101	1
	0090200047	round wire tach	TMMOA411-1	2
	*	DVD door		1
	0090204560	power cord nip		1
	0090600015	screw	SJ2824-87 ST4X12F	6
	0090600023	screw	SJ2824-87 SJ4X16F	6
	0090600023	screw	SJ2824-87 SJ4X16F	1
	0090205726	laser mark		1
	0090100306	IRON NIP WIRE	60mm	1
	0090504852	upper pad	MTEE3166AB--Q	1
	0090504853	lower pad	MTEE3167AB--Q	1
	0094011771	BRACKET SUBASSEMBLY	BJH3158-----Q	
	0090205862	bracket	MTAA3215AC--Q	1
	0090600037	screw	SJ2825-87 ST3X10F	9
	0090201400	pad	PS(V-0)	3
	0090200038	wire tach	MTAJ1001AG--Q	1
	0090402171	power cord	JPRVVZ202XDFQ	1

	0094501126	harmonic filter	ECRK-513571	2
	0094008684	CRT module		1
	0094004185	PURE CRT 15'	A36CPAA00X02	1
	0090401302	GROUDING WIRE	JE215-0C3014Q	1
	0094500815	demagnetize winding	HXC-38A	1
	0090100297	Screw	SJ2824-87 ST5X25 (φ20)	4
	0090202438	CRT label		1
	0090200038	wire tach	MTAJ1001AG--Q	2
	0090807949	packaging module		1
	0090206948	back cover brand		1
	0090506472	packaging box		1
	0094000213	battery	7# (ENGLISH)	2
	0090205727	plastic bag of manual		1
	0094011254A	remote cotroller	Memorex	1
	0090205728	plastic bag of TV		1
	0090100027	nail		10
	0090500018	bag of power cord		1
	0090506257	service manual(english)		1
	0090505495	guarantee		1
	0090505496	label of power cord	Safety Instruction	1
	0090100306	iron nip wire	60mm	1
	0094501185	antenna		1
	0094006264	DVD module		1
	0094006265	DVD machine inserting assembly		1
	0091800828	PCB	0091800828 V1.0	1
R001	0094100942	CARBON FILM RESISTOR	RT13-1/6W-120-J-----T	1
R002	0094100133	CARBON FILM RESISTOR	RT13-1/6W-200-J-----T	1
R003	0094100017	CARBON FILM RESISTOR	RT13-1/6W-100-J-----T	1
C001	0094200008	Al ELECTROLYTIC CAPACITOR	CD110-16V-10uF±20%-----F	1
C002	0094200008	Al ELECTROLYTIC CAPACITOR	CD110-16V-10uF±20%-----F	1
C003	0094200008	Al ELECTROLYTIC CAPACITOR	CD110-16V-10uF±20%-----F	1
CN001	0094300283	plug seat	TJC3-4AW	1
DVD	0094300393	AV plug seat	AV9-3B04	1
	0094011763	POWER PCB module		1
	0094011766	POWER PCB machine inserting module		1
	0091801881	PCB		1
JD01	0094101552	jumper wire	φ 0.58mm/12.5mm	1
RD03	0094100017	CARBON FILM RESISTOR	RT13-1/6W-100-J-----T	1
RD05	0094100033	CARBON FILM RESISTOR	RT13-1/6W-10K-J-----T	1
RD06	0094100017	CARBON FILM RESISTOR	RT13-1/6W-100-J-----T	1
CD01	0094200747	Al ELECTROLYTIC CAPACITOR	CD110X-16V-100μF-M-F05	1
CD02	0094201040	ceramic capacitor	CT1-F-63V-0.01μF-Z-F05	1
CD03	0094200988	Al ELECTROLYTIC CAPACITOR	CD110X-16V-47μF-M-F05	1
VD01	0094400439	triode	2SA1015	1
SW02	0094000480	touch switch	K66T-1B-BL-6.5	1

LD01	0094401957	LED	TOL-30mRGdEHa	1
A1001	0094004386	infrared receiver	HS0038B	1
XZ03	0090401317	wiring harness	450mm	1
XZ05	0090402174	wiring harness		1
	0094011764	controller PCB module		1
	0094011767	machine inserting assembly		1
	0091801880	PCB		1
W01	0094101552	jumper wire	φ 0.58mm/10mm	1
W02	0094101552	jumper wire	φ 0.58mm/7.5mm	1
R01	0094100020	CARBON FILM RESISTOR	RT13-1/6W-470-J-----T	1
R02	0094100916	CARBON FILM RESISTOR	RT13-1/6W-620-J-----T	1
R03	0094100023	CARBON FILM RESISTOR	RT13-1/6W-1K-J-----T	1
R04	0094100753	CARBON FILM RESISTOR	RT13-1/6W-1.2K-J-----T	1
R05	0094100722	CARBON FILM RESISTOR	RT13-1/6W-1.8K-J-----T	1
R06	0094100033	CARBON FILM RESISTOR	RT13-1/6W-10K-J-----T	1
R07	0094100033	CARBON FILM RESISTOR	RT13-1/6W-10K-J-----T	1
SW01	0094000440	touch switch	KFC-A06-21050	1
SW02	0094000440	touch switch	KFC-A06-21050	1
SW03	0094000440	touch switch	KFC-A06-21050	1
SW04	0094000440	touch switch	KFC-A06-21050	1
SW05	0094000440	touch switch	KFC-A06-21050	1
SW06	0094000440	touch switch	KFC-A06-21050	1
SW07	0094000440	touch switch	KFC-A06-21050	1
SW08	0094000440	touch switch	KFC-A06-21050	1
SW09	0094000440	touch switch	KFC-A06-21050	1
XZ01	0090402175A	wiring harness	230mm,350mm	1
	0094011765	AV board module		1
	0091801879	PCB		1
R08	0094101552	jumper wire	φ 0.58mm/7.5mm	1
R09	0094101552	jumper wire	φ 0.58mm/7.5mm	1
ER01	0094300021	earphone plug seat	CKX3-3.5-2	1
AV01	0094300018	AV plug seat	AV3-B03	1
XZ02	0094300107	plug seat	TJC3-6A	1
XZ03	0090402172	wiring harness	TJC3-4Y	1
XZ04	0090402173	wiring harness	TJC3-4Y	1
	0094008737	coaxial module		
CC2	0094300460	coaxial jack		2C-01
CC1	0090401735	coaxial line	TJC3-2A	2C-02
	0091801587	PCB		2C-01
	0094011833	main board module		1
	0094011772	preprocessing module		1
N301B	0090100450	heat sink		1

N301C	0094401409	IC	TDA8357J	1
N301D	0090600076	screw	ST3X10F SJ2831-87	1
	0094008041	screw	C005B (32M)	1
V401B	0090600076	heat sink	ST3X10F SJ2831-87	1
V401A	0090100017	triode	QHS-30184A	1
V401	0094401644	heat sink	TT2140	1
N801A	0090100661	IC	QHS-30184A	1
N801C	0094401392	screw	KA5Q0765RTH-YDTU	1
N801D	0090600076	IC	ST3X10F SJ2831-87	1
N802C	0094400808	screw	L7809CS	1
N802B	0090600076	heat sink	ST3X10F SJ2831-87	1
N802A	0090100017	IC	QHS-30184A	1
N601B	0094401684	heat sink	AN7522N	1
N601A	0090100665	screw	QHS-30184A	1
N601C	0090600076	wiring harness	ST3X10F SJ2831-87	2
N804B	0094401923	IC	KA278R05	1
N804A	0090100443	heat sink	MTBH4070BC--Q	1
N804C	0090600076	screw	ST3X10F SJ2831-87	2
	0094008691	machine inserting module		1
	0091801280	PCB	0091801280 V1.3	1
EY03	0090100008	rivet	φ 1.6*3.0	1
EY04	0090100008	rivet	φ 1.6*3.0	1
EY05	0090100008	rivet	φ 1.6*3.0	1
EY06	0090100008	rivet	φ 1.6*3.0	1
EY07	0090100008	rivet	φ 1.6*3.0	1
EY08	0090100008	rivet	φ 1.6*3.0	1
EY09	0090100008	rivet	φ 1.6*3.0	1
EY10	0090100008	rivet	φ 1.6*3.0	1
EY11	0090100008	rivet	φ 1.6*3.0	1
EY12	0090100008	rivet	φ 1.6*3.0	1
EY13	0090100008	rivet	φ 1.6*3.0	1
EY14	0090100008	rivet	φ 1.6*3.0	1
EY15	0090100008	rivet	φ 1.6*3.0	1
EY16	0090100008	rivet	φ 1.6*3.0	1
EY17	0090100008	rivet	φ 1.6*3.0	1
EY18	0090100008	rivet	φ 1.6*3.0	1
EY19	0090100008	rivet	φ 1.6*3.0	1
EY20	0090100008	rivet	φ 1.6*3.0	1
EY21	0090100008	rivet	φ 1.6*3.0	1
EY22	0090100008	rivet	φ 1.6*3.0	1
EY23	0090100008	rivet	φ 1.6*3.0	1
EY24	0090100008	rivet	φ 1.6*3.0	1
EY25	0090100008	rivet	φ 1.6*3.0	1
EY26	0090100008	rivet	φ 1.6*3.0	1
EY27	0090100008	rivet	φ 1.6*3.0	1

EY28	0090100008	rivet	φ 1.6*3.0	1
EY29	0090100008	rivet	φ 1.6*3.0	1
EY30	0090100008	rivet	φ 1.6*3.0	1
EY31	0090100008	rivet	φ 1.6*3.0	1
EY32	0090100008	rivet	φ 1.6*3.0	1
EY33	0090100008	rivet	φ 1.6*3.0	1
EY34	0090100008	rivet	φ 1.6*3.0	1
EY35	0090100008	rivet	φ 1.6*3.0	1
EY36	0090100008	rivet	φ 1.6*3.0	1
EY37	0090100008	rivet	φ 1.6*3.0	1
EY38	0090100008	rivet	φ 1.6*3.0	1
EY39	0090100008	rivet	φ 1.6*3.0	1
EY40	0090100008	rivet	φ 1.6*3.0	1
EY41	0090100008	rivet	φ 1.6*3.0	1
EY42	0090100008	rivet	φ 1.6*3.0	1
EY43	0090100008	rivet	φ 1.6*3.0	1
EY44	0090100008	rivet	φ 1.6*3.0	1
EY45	0090100008	rivet	φ 1.6*3.0	1
EY46	0090100008	rivet	φ 1.6*3.0	1
EY47	0090100008	rivet	φ 1.6*3.0	1
EY48	0090100008	rivet	φ 1.6*3.0	1
EY49	0090100008	rivet	φ 1.6*3.0	1
EY50	0090100008	rivet	φ 1.6*3.0	1
EY51	0090100008	rivet	φ 1.6*3.0	1
EY52	0090100008	rivet	φ 1.6*3.0	1
EY53	0090100008	rivet	φ 1.6*3.0	1
EY54	0090100008	rivet	φ 1.6*3.0	1
EY55	0090100008	rivet	φ 1.6*3.0	1
EY56	0090100008	rivet	φ 1.6*3.0	1
EY57	0090100008	rivet	φ 1.6*3.0	1
EL01	0090100009	rivet	φ 2.3*3.5	1
EL02	0090100009	rivet	φ 2.3*3.5	1
EL03	0090100009	rivet	φ 2.3*3.5	1
EL04	0090100009	rivet	φ 2.3*3.5	1
EL05	0090100009	rivet	φ 2.3*3.5	1
EL06	0090100009	rivet	φ 2.3*3.5	1
EL07	0090100009	rivet	φ 2.3*3.5	1
EL08	0090100009	rivet	φ 2.3*3.5	1
EL09	0090100009	rivet	φ 2.3*3.5	1
EL10	0090100009	rivet	φ 2.3*3.5	1
EL11	0090100009	rivet	φ 2.3*3.5	1
EL12	0090100009	rivet	φ 2.3*3.5	1
EL501	0090100009	rivet	φ 2.3*3.5	1
EL502	0090100009	rivet	φ 2.3*3.5	1
W703	0094101552	jumper wire	φ 0.58mm/4mm-----B	1
W217	0094101552	jumper wire	φ 0.58mm/5mm-----B	1

R315	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W226	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W228	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W245	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W266	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W410	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W602	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W603	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W607	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W608	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W615	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W701	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W708	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W710	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W717	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W718	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W719	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W740	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W814	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W815	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W816	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W818	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W825	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W829	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W852	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W981	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W818A	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
WSC2	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
L210	0094101552	jumper wire	φ 0.58mm/7.5mm-----B	1
L805	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
L807	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W304	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
R101	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
RP803	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W808	0094101552	jumper wire	φ 0.58mm/5mm-----B	1
W734	0094101552	jumper wire	φ 0.58mm/6mm-----B	1
W610A	0094101552	jumper wire	φ 0.58mm/6mm-----B	1
R232	0094101552	jumper wire	φ 0.58mm/6mm-----B	1
W720	0094101552	jumper wire	φ 0.58mm/7.5mm-----B	1
W801	0094101552	jumper wire	φ 0.58mm/7.5mm-----B	1
W802	0094101552	jumper wire	φ 0.58mm/7.5mm-----B	1
C243	0094101552	jumper wire	φ 0.58mm/7.5mm-----B	1
C244	0094101552	jumper wire	φ 0.58mm/7.5mm-----B	1
C245	0094101552	jumper wire	φ 0.58mm/7.5mm-----B	1
C109	0094101552	jumper wire	φ 0.58mm/7.5mm-----B	1
W103	0094101552	jumper wire	φ 0.58mm/7.5mm-----B	1

R713	0094101552	jumper wire	φ 0.58mm/7.5mm-----B	1
R719	0094101552	jumper wire	φ 0.58mm/7.5mm-----B	1
W707	0094101552	jumper wire	φ 0.58mm/7.5mm-----B	1
L701	0094101552	jumper wire	φ 0.58mm/7.5mm-----B	1
L702	0094101552	jumper wire	φ 0.58mm/7.5mm-----B	1
W831	0094101552	jumper wire	φ 0.58mm/7.5mm-----B	1
R401	0094101552	jumper wire	φ 0.58mm/8.5mm-----B	1
W612	0094101552	jumper wire	φ 0.58mm/9mm-----B	1
W102	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W105	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W232	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W241	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W242	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W243	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W244	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W252	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W260	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W261	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W268	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W269	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W270	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W271	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W272	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W287	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W288	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W289	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W302	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W401	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W407	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W613	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W721	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W741	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W805	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W807	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W809	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W812	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W823	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
DZ804	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W222	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W223	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W821	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W279	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
W804	0094101552	jumper wire	φ 0.58mm/10mm-----B	1
R416	0094101552	jumper wire	φ 0.58mm/12.5mm-----B	1
W263	0094101552	jumper wire	φ 0.58mm/12.5mm-----B	1
W265	0094101552	jumper wire	φ 0.58mm/12.5mm-----B	1

W231	0094101552	jumper wire	φ 0.58mm/12.5mm-----B	1
W203	0094101552	jumper wire	φ 0.58mm/12.5mm-----B	1
W406	0094101552	jumper wire	φ 0.58mm/12.5mm-----B	1
W409	0094101552	jumper wire	φ 0.58mm/12.5mm-----B	1
W614	0094101552	jumper wire	φ 0.58mm/12.5mm-----B	1
W735	0094101552	jumper wire	φ 0.58mm/12.5mm-----B	1
L103	0094101552	jumper wire	φ 0.58mm/12.5mm-----B	1
W982	0094101552	jumper wire	φ 0.58mm/12.5mm-----B	1
R417	0094101552	jumper wire	φ 0.58mm/12.5mm-----B	1
R806	0094101552	jumper wire	φ 0.58mm/15mm-----B	1
L304	0094101552	jumper wire	φ 0.58mm/15mm-----B	1
L305	0094101552	jumper wire	φ 0.58mm/15mm-----B	1
W736	0094101552	jumper wire	φ 0.58mm/15mm-----B	1
W803	0094101552	jumper wire	φ 0.58mm/15mm-----B	1
W826	0094101552	jumper wire	φ 0.58mm/15mm-----B	1
F802	0094101552	jumper wire	φ 0.58mm/15mm-----B	1
L810	0094101552	jumper wire	φ 0.58mm/15mm-----B	1
L809	0094101552	jumper wire	φ 0.58mm/17.5mm-----B	1
W810	0094101552	jumper wire	φ 0.58mm/17.5mm-----B	1
W827	0094101552	jumper wire	φ 0.58mm/17.5mm-----B	1
R817A	0094101552	jumper wire	φ 0.58mm/17.5mm-----B	1
R812	0094101552	jumper wire	φ 0.58mm/17.5mm-----B	1
W828	0094101552	jumper wire	φ 0.58mm/16mm-----B	1
W611	0094101552	jumper wire	φ 0.58mm/20mm-----B	1
W830	0094101552	jumper wire	φ 0.58mm/22.5mm-----B	1
R104	0094100065	carbon film resistor	RT13-1/6W-10-J-T52	1
R752	0094100065	carbon film resistor	RT13-1/6W-10-J-T52	1
R742	0094100065	carbon film resistor	RT13-1/6W-10-J-T52	1
R103	0094100820	carbon film resistor	RT13-1/6W-22-J-T52	1
R253	0094100070	carbon film resistor	RT13-1/6W-510Ω-J--T52	1
R254	0094100132	carbon film resistor	RT13-1/6W-180Ω-J--T52	1
R264	0094100020	carbon film resistor	RT13-1/6W-470Ω-J--T52	1
R216	0094100066	carbon film resistor	RT13-1/6W-47-J-T52	1
R501H	0094100066	carbon film resistor	RT13-1/6W-47-J-T52	1
R502	0094100066	carbon film resistor	RT13-1/6W-47-J-T52	1
R503	0094100066	carbon film resistor	RT13-1/6W-47-J-T52	1
R943	0094100066	carbon film resistor	RT13-1/6W-47-J-T52	1
R250	0094100066	carbon film resistor	RT13-1/6W-47-J-T52	1
R257	0094100066	carbon film resistor	RT13-1/6W-47-J-T52	1
R258*	0094100067	carbon film resistor	RT13-1/6W-75-J-T52	1
R265	0094100067	carbon film resistor	RT13-1/6W-75-J-T52	1
R715	0094100067	carbon film resistor	RT13-1/6W-75-J-T52	1
R735	0094100067	carbon film resistor	RT13-1/6W-75-J-T52	1
R733	0094100067	carbon film resistor	RT13-1/6W-75-J-T52	1
R734	0094100067	carbon film resistor	RT13-1/6W-75-J-T52	1
RS03	0094100067	carbon film resistor	RT13-1/6W-75-J-T52	1

WSC3	0094100067	carbon film resistor	RT13-1/6W-75-J-T52	1
RS01	0094100067	carbon film resistor	RT13-1/6W-75-J-T52	1
RS02	0094100017	carbon film resistor	RT13-1/6W-100-J-T52	1
R208	0094100017	carbon film resistor	RT13-1/6W-100-J-T52	1
R209	0094100017	carbon film resistor	RT13-1/6W-100-J-T52	1
R210	0094100017	carbon film resistor	RT13-1/6W-100-J-T52	1
R230	0094100017	carbon film resistor	RT13-1/6W-100-J-T52	1
R235	0094100017	carbon film resistor	RT13-1/6W-100-J-T52	1
R236	0094100017	carbon film resistor	RT13-1/6W-100-J-T52	1
R237	0094100017	carbon film resistor	RT13-1/6W-100-J-T52	1
R245	0094100017	carbon film resistor	RT13-1/6W-100-J-T52	1
R252	0094100017	carbon film resistor	RT13-1/6W-100-J-T52	1
R740	0094100017	carbon film resistor	RT13-1/6W-100-J-T52	1
R741	0094100017	carbon film resistor	RT13-1/6W-100-J-T52	1
W235	0094100017	carbon film resistor	RT13-1/6W-100-J-T52	1
W236	0094100017	carbon film resistor	RT13-1/6W-100-J-T52	1
R280	0094100017	carbon film resistor	RT13-1/6W-100-J-T52	1
R281	0094100017	carbon film resistor	RT13-1/6W-100-J-T52	1
R251	0094100133	carbon film resistor	RT13-1/6W-200-J-T52	1
R263	0094100133	carbon film resistor	RT13-1/6W-200-J-T52	1
R512	0094100019	carbon film resistor	RT13-1/6W-220-J-T52	1
R522	0094100019	carbon film resistor	RT13-1/6W-220-J-T52	1
R532	0094100019	carbon film resistor	RT13-1/6W-220-J-T52	1
R738	0094100019	carbon film resistor	RT13-1/6W-220-J-T52	1
R739	0094100019	carbon film resistor	RT13-1/6W-220-J-T52	1
R843	0094100019	carbon film resistor	RT13-1/6W-220-J-T52	1
R516	0094101370	carbon film resistor	RT13-1/6W-270-J-T52	1
R526	0094101370	carbon film resistor	RT13-1/6W-270-J-T52	1
R536	0094101370	carbon film resistor	RT13-1/6W-270-J-T52	1
R244	0094100134	carbon film resistor	RT13-1/6W-390-J-T52	1
R513	0094100134	carbon film resistor	RT13-1/6W-390-J-T52	1
R523	0094100134	carbon film resistor	RT13-1/6W-390-J-T52	1
R533	0094100134	carbon film resistor	RT13-1/6W-390-J-T52	1
R255	0094100069	carbon film resistor	RT13-1/6W-430-J-T52	1
R106	0094100020	carbon film resistor	RT13-1/6W-470-J-T52	1
R256	0094100020	carbon film resistor	RT13-1/6W-470-J-T52	1
R840	0094100070	carbon film resistor	RT13-1/6W-510-J-T52	1
R227	0094100023	carbon film resistor	RT13-1/6W-1K-J-T52	1
R242	0094100023	carbon film resistor	RT13-1/6W-1K-J-T52	1
R243	0094100023	carbon film resistor	RT13-1/6W-1K-J-T52	1
R258	0094100023	carbon film resistor	RT13-1/6W-1K-J-T52	1
R841	0094100023	carbon film resistor	RT13-1/6W-1K-J-T52	1
R238	0094100023	carbon film resistor	RT13-1/6W-1K-J-T52	1
R310	0094101350	carbon film resistor	RT13-1/6W-1.5K-J-T52	1
R310	0094101350	carbon film resistor	RT13-1/6W-1.5K-J-T52	1
R102	0094100026	carbon film resistor	RT13-1/6W-2.2K Ω -J-T52	1

R215	0094101328	carbon film resistor	RT13-1/6W-3.3K-J-T52	1
R266	0094101328	carbon film resistor	RT13-1/6W-3.3K-J-T52	1
R247	0094101328	carbon film resistor	RT13-1/6W-3.3K-J-T52	1
R220	0094101328	carbon film resistor	RT13-1/6W-3.3K-J-T52	1
R278	0094101328	carbon film resistor	RT13-1/6W-3.3K-J-T52	1
R286	0094101328	carbon film resistor	RT13-1/6W-3.3K-J-T52	1
R747	0094101328	carbon film resistor	RT13-1/6W-3.3K-J-T52	1
R746	0094101328	carbon film resistor	RT13-1/6W-3.3K-J-T52	1
R845	0094101328	carbon film resistor	RT13-1/6W-3.3K-J-T52	1
R846	0094101328	carbon film resistor	RT13-1/6W-3.3K-J-T52	1
R830	0094101328	carbon film resistor	RT13-1/6W-3.3K-J-T52	1
R229	0094100071	carbon film resistor	RT13-1/6W-3.9K-J-T52	1
R207	0094100029	carbon film resistor	RT13-1/6W-4.7K-J-T52	1
R211	0094100029	carbon film resistor	RT13-1/6W-4.7K-J-T52	1
R212	0094100029	carbon film resistor	RT13-1/6W-4.7K-J-T52	1
R262*	0094100029	carbon film resistor	RT13-1/6W-4.7K-J-T52	1
R241	0094100029	carbon film resistor	RT13-1/6W-4.7K-J-T52	1
R623	0094100029	carbon film resistor	RT13-1/6W-4.7K-J-T52	1
R605	0094100721	carbon film resistor	RT13-1/6W-5.6K Ω -J-T52	1
R606	0094100721	carbon film resistor	RT13-1/6W-5.6K Ω -J-T52	1
R610	0094100721	carbon film resistor	RT13-1/6W-5.6K Ω -J-T52	1
R611	0094100721	carbon film resistor	RT13-1/6W-5.6K Ω -J-T52	1
R213	0094100072	carbon film resistor	RT13-1/6W-6.2K-J-T52	1
R248	0094100031	carbon film resistor	RT13-1/6W-6.8K-J-T52	1
R246	0094100032	carbon film resistor	RT13-1/6W-8.2K-J-T52	1
R860	0094100033	carbon film resistor	RT13-1/6W-10K-J-T52	1
R214	0094100033	carbon film resistor	RT13-1/6W-10K-J-T52	1
R218	0094100033	carbon film resistor	RT13-1/6W-10K-J-T52	1
R279	0094100033	carbon film resistor	RT13-1/6W-10K-J-T52	1
R620	0094100033	carbon film resistor	RT13-1/6W-10K-J-T52	1
R622	0094100033	carbon film resistor	RT13-1/6W-10K-J-T52	1
R849	0094100033	carbon film resistor	RT13-1/6W-10K-J-T52	1
R833	0094100033	carbon film resistor	RT13-1/6W-10K-J-T52	1
R832	0094100033	carbon film resistor	RT13-1/6W-10K-J-T52	1
R831	0094100033	carbon film resistor	RT13-1/6W-10K-J-T52	1
R850	0094100033	carbon film resistor	RT13-1/6W-10K-J-T52	1
R105	0094100928	carbon film resistor	RT13-1/6W-13K-J-T52	1
R848	0094100034	carbon film resistor	RT13-1/6W-15K-J-T52	1
R847	0094100034	carbon film resistor	RT13-1/6W-15K-J-T52	1
R862	0094100034	carbon film resistor	RT13-1/6W-15K-J-T52	1
R311	0094100073	carbon film resistor	RT13-1/6W-12K-J-----T	1
R219	0094100034	carbon film resistor	RT13-1/6W-15K-J-----T	1
R226	0094100034	carbon film resistor	RT13-1/6W-15K-J-----T	1
R249	0094100074	carbon film resistor	RT13-1/6W-20K-J-----T	1
R274	0094100779	carbon film resistor	RT13-1/6W-22K-J-----T	1
R276	0094100780	carbon film resistor	RT13-1/6W-27K-J-----T	1

W610	0094100038	carbon film resistor	RT13-1/6W-56K-J-----T	1
R275	0094100943	carbon film resistor	RT13-1/6W-270K-J-----T	1
R273	0094100036	carbon film resistor	RT13-1/6W-33K-J-----T	1
R621	0094100036	carbon film resistor	RT13-1/6W-33K-J-----T	1
R851	0094100036	carbon film resistor	RT13-1/6W-33K-J-----T	1
R233	0094100767	carbon film resistor	RT13-1/6W-36K Ω -J	1
R261	0094100039	carbon film resistor	RT13-1/6W-68K-J-----T	1
R277	0094100077	carbon film resistor	RT13-1/6W-100K-J-----T	1
R303	0094100077	carbon film resistor	RT13-1/6W-100K-J-----T	1
R314	0094100943	carbon film resistor	RT13-1/6W-270K-J-----T	1
R408	0094100080	oxid film resistor	RY15S-1/2W-33-J-----T	1
R403	0094100083	oxid film resistor	RY15S-1/2W-270-J-----T	1
R406	0094102592	oxid film resistor	RY15S-1/2W-330-J-----T	1
R809	0094102161	oxid film resistor	RY15S-1/2W-39K-J-----T	1
R822	0094100090	oxid film resistor	RY15S-1/2W-470K-J-----T	1
R823	0094100090	oxid film resistor	RY15S-1/2W-470K-J-----T	1
R550	0094100091	oxid film resistor	RY15S-1/2W-10M-J-----T	1
R514	0094100102	resistor	RS11-1/2W-1.8K-K-----T	1
R524	0094100102	resistor	RS11-1/2W-1.8K-K-----T	1
R534	0094100102	resistor	RS11-1/2W-1.8K-K-----T	1
R807	0094100103	resistor	RS11-1/2W-3.3M-K-----T	1
RX801	0094100103	resistor	RS11-1/2W-3.3M-K-----T	1
R260	0094100106	metal film resistor	RJ13-1/6W-9.1K-J-----T	1
R262	0094100106	metal film resistor	RJ13-1/6W-9.1K-J-----T	1
R259	0094102210	metal film resistor	RJ13-1/6W-100K-J-----T	1
R228	0094101159	metal film resistor	RJ13-1/6W-39K-G-----T	1
R312	0094102517	metal film resistor	RJ13-1/6W-1.8K Ω -F-T52	1
R313	0094102517	metal film resistor	RJ13-1/6W-1.8K Ω -F-T52	1
R308	0094101353	metal film resistor	RJ15S-1/2W-1.5-F-T52	1
R305	0094102593	metal film resistor	RJ15S-1/2W-1.3-F-T52	1
R803	0094102526	metal film resistor	RJ15S-1/2W-390 Ω \pm 1%-----T	1
R805	0094102162	metal film resistor	RJ15S-1/2W-600-J-----T	1
R819	0094101354	metal film resistor	RJ15S-1/2W-1K-F-----T52	1
R420	0094102851	metal film resistor	RJ15S-1/2W-232K-F-----T	1
R816	0094102595	metal film resistor	RJ15S-1/2W-123K-F-----T	1
R817	0094101355	metal film resistor	RJ15S-1/2W-2.49K-F-J	1
C417	0094202282	ceramic capacitor	CT1-B-500V-330pF-K-F05	1
C403	0094201264	ceramic capacitor	CT1-B-500V-470pF-K-F05	1
C402	0094201449	ceramic capacitor	CT1-B-500V-560pF-K-F05	1
C847	0094201449	ceramic capacitor	CT1-B-500V-560pF-K-F05	1
C845	0094201449	ceramic capacitor	CT1-B-500V-560pF-K-F05	1
C239	0094201124	ceramic capacitor	CC1-CH-63V-33pF-J-F05	1
C240	0094201124	ceramic capacitor	CC1-CH-63V-33pF-J-F05	1
C208	0094201228	ceramic capacitor	CC1-CH-63V-56pF-J-F05	1
C209	0094201228	ceramic capacitor	CC1-CH-63V-56pF-J-F05	1
C804	0094202277	ceramic capacitor	CT1-B-63V-3900PF-K-F05	1

C218	0094200760	ceramic capacitor	CT1-B-63V-2200pF-K-F05	1
C249	0094200715	ceramic capacitor	CC1-CH-63V-150PF-J-F05	1
C232	0094202373	ceramic capacitor	CC1-CH-63V-330PF-J-F05	1
C231	0094200981	ceramic capacitor	CT1-B-63V-1000pF-K-F05	1
C234	0094200981	ceramic capacitor	CT1-B-63V-1000pF-K-F05	1
C110	0094200981	ceramic capacitor	CT1-B-63V-1000pF-K-F05	1
C229	0094201178	ceramic capacitor	CT1-B-63V-3300PF-K-F05	1
C221	0094201039	ceramic capacitor	CT1-B-63V-4700PF-K-F05	1
C603	0094201039	ceramic capacitor	CT1-B-63V-4700PF-K-F05	1
C611	0094201039	ceramic capacitor	CT1-B-63V-4700PF-K-F05	1
C111	0094201040	ceramic capacitor	CT1-2F4-63V-0.01μF-Z-----F	1
C207	0094201040	ceramic capacitor	CT1-B-63V-0.01μF-K-F05	1
C225	0094201040	ceramic capacitor	CT1-B-63V-0.01μF-K-F05	1
C226	0094201040	ceramic capacitor	CT1-B-63V-0.01μF-K-F05	1
C228	0094201448	ceramic capacitor	CT1-F-63V-0.022μF-Z-F05	1
C254	0094201448	ceramic capacitor	CT1-F-63V-0.022μF-Z-F05	1
C101	0094201617	ceramic capacitor	CS1-F-63V-0.1μF-Z-F05	1
C202	0094201617	ceramic capacitor	CS1-F-63V-0.1μF-Z-F05	1
C220	0094201617	ceramic capacitor	CS1-F-63V-0.1μF-Z-F05	1
C223	0094201617	ceramic capacitor	CS1-F-63V-0.1μF-Z-F05	1
C237	0094201617	ceramic capacitor	CS1-F-63V-0.1μF-Z-F05	1
C242	0094201617	ceramic capacitor	CS1-F-63V-0.1μF-Z-F05	1
C256	0094201617	ceramic capacitor	CS1-F-63V-0.1μF-Z-F05	1
C502	0094202282	ceramic capacitor	CT1-B-500V-330pF-K-F05	1
C501	0094201264	ceramic capacitor	CC1-B-500V-470PF-K-F05	1
C503	0094201264	ceramic capacitor	CC1-B-500V-470PF-K-F05	1
C511	0094200981	ceramic capacitor	CT1-B-63V-1000pF-K-F05	1
C306	0094201458	film capacitor	CL11-63V-0.047μF-J-F05	1
CS01	0094201459	film capacitor	CL11-63V-1000pF-J-F05	1
C803	0094201458	film capacitor	CL11-63V-0.047μF-J-F05	1
C217	0094201463	film capacitor	CL21X-63V-224-J-----F	1
C850	0094201463	film capacitor	CL21X-63V-224-J-----F	1
C849	0094201463	film capacitor	CL21X-63V-224-J-----F	1
C705	0094200994	Al ELECTROLYTIC CAPACITOR	CD71-50V-1uF-M-F05	1
C247	0094200994	Al ELECTROLYTIC CAPACITOR	CD71-50V-1uF-M-F05	1
C253	0094200994	Al ELECTROLYTIC CAPACITOR	CD71-50V-1uF-M-F05	1
C401	0094200095	film capacitor	CL21X-100V-103-J-----F	1
C413	0094200097	film capacitor	CL23B-400V-472-J-----F	1
C814	0094201462	film capacitor	CL21X-63V-104-J-----F	1
C853	0094201462	film capacitor	CL21X-63V-104-J-----F	1
C851	0094201462	film capacitor	CL21X-63V-104-J-----F	1
C722	0094200994	Al ELECTROLYTIC CAPACITOR	CD71-50V-1uF-M-F05	1
C727	0094200994	Al ELECTROLYTIC CAPACITOR	CD71-50V-1uF-M-F05	1
C706	0094200994	Al ELECTROLYTIC CAPACITOR	CD71-50V-1uF-M-F05	1
C233	0094200751	Al ELECTROLYTIC CAPACITOR	CD110X-50V-4.7μF-M-F05	1
C230	0094200008	Al ELECTROLYTIC CAPACITOR	CD110X-16V-10μF-M-F05	1

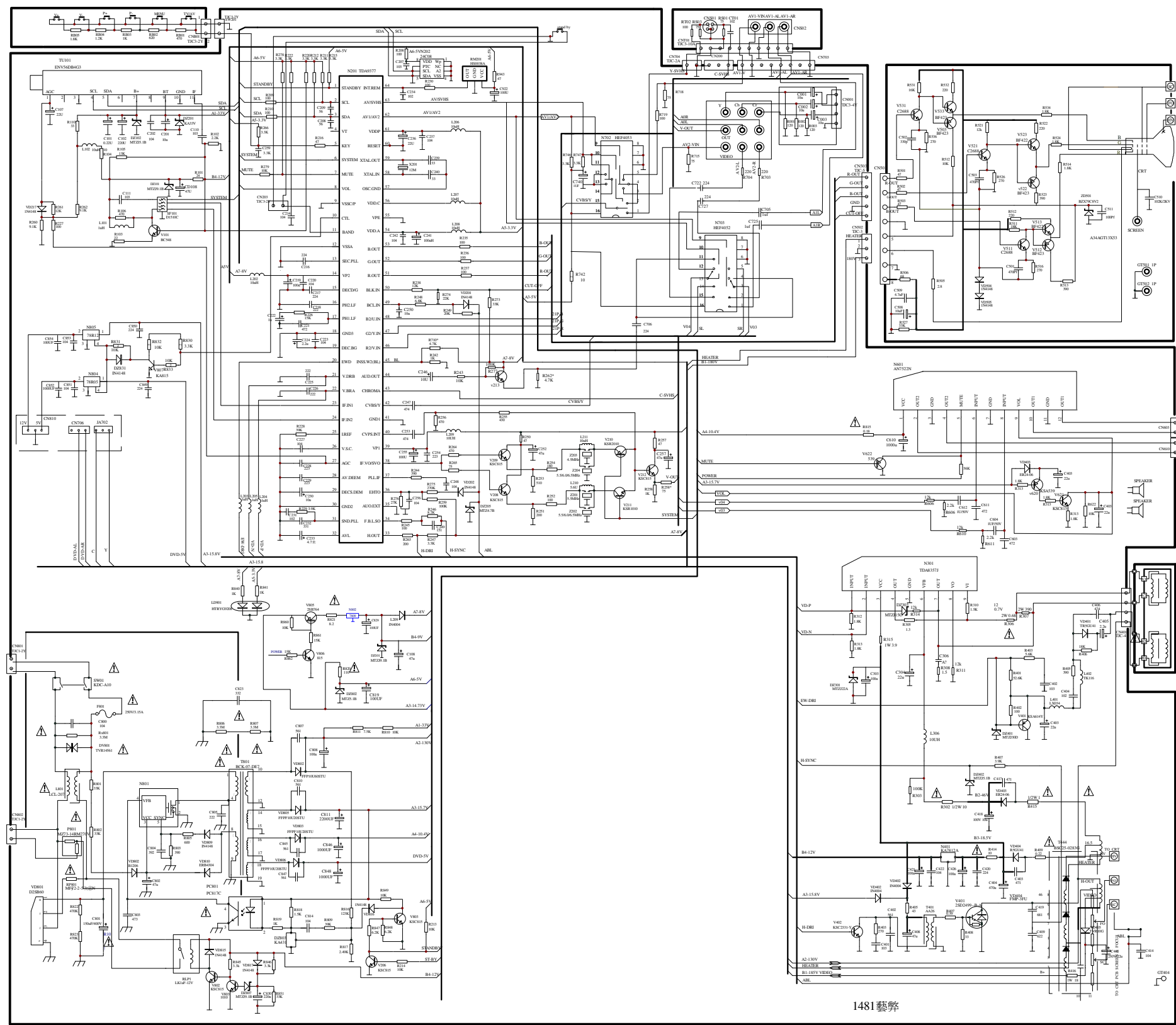
C246	0094200008	Al ELECTROLYTIC CAPACITOR	CD110X-16V-10 μ F-M-F05	1
C250	0094200008	Al ELECTROLYTIC CAPACITOR	CD110X-16V-10 μ F-M-F05	1
C842	0094200008	Al ELECTROLYTIC CAPACITOR	CD110X-16V-10 μ F-M-F05	1
C107	0094200008	Al ELECTROLYTIC CAPACITOR	CD110X-16V-10 μ F-M-F05	1
C108	0094200988	Al ELECTROLYTIC CAPACITOR	CD110X-16V-47 μ F-M-F05	1
C252	0094200988	Al ELECTROLYTIC CAPACITOR	CD110X-16V-47 μ F-M-F05	1
C257	0094200988	Al ELECTROLYTIC CAPACITOR	CD110X-16V-47 μ F-M-F05	1
C620	0094200747	Al ELECTROLYTIC CAPACITOR	CD110X-16V-100 μ F-M-F05	1
C829	0094200747	Al ELECTROLYTIC CAPACITOR	CD110X-16V-100 μ F-M-F05	1
C819	0094200747	Al ELECTROLYTIC CAPACITOR	CD110X-16V-100 μ F-M-F05	1
C841	0094200747	Al ELECTROLYTIC CAPACITOR	CD110X-16V-100 μ F-M-F05	1
C508	0094200728	Al ELECTROLYTIC CAPACITOR	CD110X-250V-10 μ F-M-F05	1
C922	0094200747	Al ELECTROLYTIC CAPACITOR	D110X-16V-100 μ F-M-F05	1
C219	0094200747	Al ELECTROLYTIC CAPACITOR	CD110X-16V-100 μ F-M-F05	1
C854	0094200747	Al ELECTROLYTIC CAPACITOR	CD110X-16V-100 μ F-M-F05	1
C241	0094200747	Al ELECTROLYTIC CAPACITOR	CD110X-16V-100 μ F-M-F05	1
C255	0094200747	Al ELECTROLYTIC CAPACITOR	CD110X-16V-100 μ F-M-F05	1
C408	0094201113	Al ELECTROLYTIC CAPACITOR	CD110X-25V-47 μ F-M-F05	1
C303	0094200746	Al ELECTROLYTIC CAPACITOR	CD263-35V-100 μ F-M-F05	1
C102	0094200550	Al ELECTROLYTIC CAPACITOR	CD110X-25V-220 μ F-M-F05	1
C820	0094200550	Al ELECTROLYTIC CAPACITOR	CD110X-25V-220 μ F-M-F05	1
C238	0094200043	Al ELECTROLYTIC CAPACITOR	CD110X-50V-1 μ F-M-F05	1
C750	0094200043	Al ELECTROLYTIC CAPACITOR	CD110X-50V-1 μ F-M-F05	1
C621	0094200043	Al ELECTROLYTIC CAPACITOR	CD110X-50V-1 μ F-M-F05	1
C740	0094200043	Al ELECTROLYTIC CAPACITOR	CD110X-50V-1 μ F-M-F05	1
C224	0094200044	Al ELECTROLYTIC CAPACITOR	CD110X-50V-2.2 μ F-M-F05	1
C258	0094200044	Al ELECTROLYTIC CAPACITOR	CD110X-50V-2.2 μ F-M-F05	1
C201	0094200046	Al ELECTROLYTIC CAPACITOR	CD110X-50V-10 μ F-M-F05	1
C802	0094200858	Al ELECTROLYTIC CAPACITOR	CD110X-50V-47 μ F-M-F05	1
C404	0094200729	Al ELECTROLYTIC CAPACITOR	CD263-25V-470 μ F-M-F05	1
C415	0094200993	Al ELECTROLYTIC CAPACITOR	CD110-160V-1 μ F-M-F	1
C612	0094200994	Al ELECTROLYTIC CAPACITOR	CD71-50V-1 μ F-M-F05	1
L101	0094500450	fixed inductance	LGA0203-1 μ H-K-T52	1
L102	0094500021	fixed inductance	LGA0203-100-K-----T	1
L202	0094500021	fixed inductance	LGA0203-100-K-----T	1
L206	0094500021	fixed inductance	LGA0203-100-K-----T	1
L207	0094500021	fixed inductance	LGA0203-100-K-----T	1
L211	0094500021	fixed inductance	LGA0203-10 μ H-K--T52	1
L208	0094500021	fixed inductance	LGA0203-100-K-----T	1
L306	0094500264	fixed inductance	LGA0305-10 μ H-J-T52	1
L402	0094500027	inductance	LB3.5*5-2-----F	1
L804	0094500028	inductance	LB3.5*6-3-----T	1
VD201	0094400049	diode	1N4148-----T	1
VD202	0094400049	diode	1N4148-----T	1
VD504	0094400049	diode	1N4148-----T	1
VD505	0094400049	diode	1N4148-----T	1

VD809	0094400049	diode	1N4148-----T	1
VD816	0094400049	diode	1N4148-----T	1
VD817	0094400049	diode	1N4148-----T	1
DZ831	0094400049	diode	1N4148-----T	1
VD620	0094400049	diode	1N4148-----T	1
VD217	0094400049	diode	1N4148-----T	1
VD507	0094400053	diode	TC2406-----T	1
VD401	0094400473	diode	1N4004-T52	1
VD402	0094400473	diode	1N4004-T52	1
L209	0094400473	diode	1N4004-T52	1
VD804	0094400052	diode	TB1206-----T	1
VD403	0094400053	diode	TC2406-----T	1
VD406	0094400055	diode	T1R5GU41-----T	1
VD404	0094400055	diode	T1R5GU41-----T	1
VD805	0094400055	diode	T1R5GU41-----T	1
VD405	0094400056	diode	TTVR10G-----T	1
VD810	0094400059	diode	TERB4304-----T	1
DZ808	0094400615	diode	MTZJ3.9B-----T	1
DZ205	0094400616	diode	MTZJ4.7B-----T	1
DZ102	0094400617	diode	MTZJ5.1B-----T	1
DZ402	0094400617	diode	MTZJ5.1B-----T	1
DZ501	0094400621	diode	MTZJ8.2B-----T	1
DZ101	0094400493	diode	MTZJ9.1B-----T	1
DZ701	0094400493	diode	MTZJ9.1B-----T	1
DZ702	0094400493	diode	MTZJ9.1B-----T	1
DZ703	0094400493	diode	MTZJ9.1B-----T	1
DZ807	0094400493	diode	MTZJ9.1B-----T	1
VD811	0094400453	diode	TRM11C-----T	1
VD812	0094400453	diode	TRM11C-----T	1
VD813	0094400453	diode	TRM11C-----T	1
VD814	0094400453	diode	TRM11C-----T	1
DZ303	0094400372	diode	MTZJ15C-----T	1
DZ301	0094400068	diode	MTZJ22A-----T	1
V101	0094400842	triode	BF370	1
V511	0094400578	triode	BF420	1
V521	0094400578	triode	BF420	1
V531	0094400578	triode	BF420	1
V513	0094400578	triode	BF420	1
V209	0094100192	triode	KSC815-YTA-----F	1
V211	0094100193	triode	KSR1010TA	1
V210	0094100194	triode	KSR2010TA	1
V523	0094400578	triode	BF420	1
V533	0094400578	triode	BF420	1
V512	0094400577	triode	BF421	1
V522	0094400577	triode	BF421	1
V532	0094400577	triode	BF421	1

V620	0094400203	triode	KSA539-YTA-----F	1
V622	0094400203	triode	KSA539-YTA-----F	1
V402	0094400072	triode	KSC2331-YTA-----F	1
V206	0094400192	triode	KSC815-YTA-----F	1
V208	0094400192	triode	KSC815-YTA-----F	1
V212	0094400192	triode	KSC815-YTA-----F	1
V213	0094400192	triode	KSC815-YTA-----F	1
V621	0094400192	triode	KSC815-YTA-----F	1
V801	0094400192	triode	KSC815-YTA-----F	1
V802	0094400192	triode	KSC815-YTA-----F	1
V803	0094400192	triode	KSC815-YTA-----F	1
V804	0094400192	triode	KSC815-YTA-----F	1
V806	0094400192	triode	KSC815-YTA-----F	1
V807	0094400192	triode	KSC815-YTA-----F	1
V805	0094401676	triode	2SB764E 进口	1
DZ201	0094400069	IC	MTZJ30D	1
DZ803	0094400200	IC	KA431AZTA-----F	1
R407	0094100079	oxid film resistor	RY15S-1/2W-0.39-J-----T	1
C501	0094202282	ceramic capacitor	CT1-B-500V-330pF-K-F05	1
R625	0094100023	carbon film resistor	RT13-1/6W-1K-J-T52	1
R110	0094102578	oxid film resistor	RY16S-1W-33-J-05-E-A	1
R407	0094102667	oxid film resistor	RY16S-1W-3.9K-J-12.5-E-A	1
R307	0094100097	oxid film resistor	RY17S-2W-390-J-05-E-A	1
R414	0094102457	oxid film resistor	RY17S-2W-1K-J-05-E-A	1
R413	0094100098	oxid film resistor	RY17S-2W-7.5K-J-05-E-A	1
R810	0094102580	oxid film resistor	RY17S-2W-18K-J-17.5-L-A	1
R802	0094100101	oxid film resistor	RY17S-2W-33K-J-05-E-A	1
R801	0094100101	oxid film resistor	RY17S-2W-33K-J-05-E-A	1
R825	0094102581	oxid film resistor	RY17S-2W-47K-J-05-E-A	1
R818	0094100085	oxid film resistor	RY15S-1/2W-1.5K-J-----T	1
R820	0094100095	fuse resistor	RY17-2W-24Ω-J-05-C	
R821	0094100125	fuse resistor	RF10-2W-1-J-05-C	1
R824	0094102583	fuse resistor	RF10-1/2W-1-J-05-E-A	1
R415	0094102583	fuse resistor	RF10-1/2W-1-J-05-E-A	1
R302	0094102668	fuse resistor	RF10-1/2W-10-J-05-E-A	1
R409	0094102584	fuse resistor	RF10-1/2W-0.22-J-05-E-A	1
R306	0094102586	fuse resistor	RF10-2W-0.68-J-05-E-A	1
R815	0094102669	fuse resistor	RF10-2W-0.18-J-15-L-A	1
DV801	0094400806	piezo-resistor	TVR14561	1
P801	0094400190	heat-variable resistor	PTH451C7R0Q21	1
RP801	0094400047	heat-variable resistor	MF72-2-5Ω±N	1
C248	0094201617	ceramic capacitor	CS1-F-63V-0.1μF-Z-F05	1
C419	0094201373	ceramic capacitor	CT1-B-2kV-681pF-K-07-A	1
C807	0094200067	ceramic capacitor	CT1-B-2kV-561pF-K-07-A	1
C810	0094201449	ceramic capacitor	CT1-B-500V-560pF-K-F05	1
C823	0094202412	ceramic capacitor	CT81-400VAC-18B-2E4-332-M-10-C-A	1

C410	0094200958	ceramic capacitor	CT1-R-2Kv-330Pf-K-07-A	1
C805	0094201071	thin film capacitor	CT1-B-1kV-1000pF-K-07-A	1
C216	0094201463	thin film capacitor	CL21X-63V-224-J-----F	1
C414	0094200098	thin film capacitor	CL21X-400V-104-J-07-A-A	1
C227	0094200099	thin film capacitor	CBB13-50V-104-J-07-A-A	1
C416	0094200101	thin film capacitor	CBB21-400V-364-J-20-G-A	1
C409	0094201023	thin film capacitor	CBB81-1.6KV-6800Pf-J-25-A	1
C802A	0094200105	thin film capacitor	MKT61-275V-104-M-15-G-A	1
C604	0094200994	Al ELECTROLYTIC CAPACITOR	CD71-50V-1uF-M-F05	1
C852	0094200802	Al ELECTROLYTIC CAPACITOR	CD110X-16V-1000µF-M-F05	1
C705	0094200994	Al ELECTROLYTIC CAPACITOR	CD71-50V-1uF-M-F05	1
C222	0094200043	Al ELECTROLYTIC CAPACITOR	CD110X-50V-1µF-M-F05	1
C236	0094201043	Al ELECTROLYTIC CAPACITOR	CD110X-16V-22µF-M-F05	1
C846	0094201011	Al ELECTROLYTIC CAPACITOR	CD110X-25V-1000µF-M-05-A	1
C848	0094201011	Al ELECTROLYTIC CAPACITOR	CD110X-25V-1000µF-M-05-A	1
C811	0094201319	Al ELECTROLYTIC CAPACITOR	CD110X-25V-2200µF-M-05-A	1
C610	0094201011	Al ELECTROLYTIC CAPACITOR	CD110X-25V-1000µF-M-05-A	1
C304	0094202297	Al ELECTROLYTIC CAPACITOR	CD263-100V-33uF-M-05-A	1
C418	0094202297	Al ELECTROLYTIC CAPACITOR	CD263-100V-33uF-M-05-A	1
C808	0094200736	Al ELECTROLYTIC CAPACITOR	CD263-160V-100uF-M-07-A	1
C411	0094201604	Al ELECTROLYTIC CAPACITOR	CD288H-250V-22uF±20%-05-G-A	1
C801	0094201768	Al ELECTROLYTIC CAPACITOR	CD293-200V-220µF-M-10-E-A	1
VD802	0094401993	diode	T1R5GU41-12.5-M	1
VD803	0094401993	diode	T1R5GU41-12.5-M	1
C259	0094200617	diode	MTZJ5.1B-----T	1
VD806	0094401513	diode	FFPF10U60STU	1
N201	0094401967	IC	TDA9377PS/N2/A	1
N202	0094400316	IC	M24C08(BR24C08)	1
PC801	0094400196	IC	PC817C	1
N703	0094400138	IC	TC4052BP	1
N805	0094401924	IC	KA78R12	1
N702	0094400503	IC	HEF4053	1
N808	0094400791	IC	MC7805CT	1
X201	0094600198	crystal oscillator	JA12D-12MHZ-20PF	1
Z203	0094600015	trap filter	XT4.5B	1
Z204	0094600015	trap filter	XT4.5B	1
SF101	0094600292	surface acoustic wave filter	D1510C	1
F801	0094000137	fuse	TSG-3.15A-250V	1
F801A	0090100021	fuse nip	FC503	1
F801B	0090100021	fuse nip	FC503	1
L401	0094501053	HORIZONTAL LINEARITY COIL	LX034	1
L801	0094500686	mains filter	LCL-207	1
T444	0094501257	FBT	BSC25-0218B	1
T801	0094501146	mains transformer	BCK-07-DE7	1
T401	0094500034	LBT	AA26-50001B	1
LW	0094501063	COIL	TK115	1

TU101	0094003734	tuner	ENV56DB4G3	1
V999	0094300007	CRT plug seat	GZS10-2-BD	1
CN801	0094300193	plug seat	TJC1-3A	1
CN802	0094300063	plug seat	TJC2-2A	1
CN203	0094300092	plug seat	TJC3-2A	1
CN601	0094300092	plug seat	TJC3-2A	1
CN602	0094300092	plug seat	TJC3-2A	1
CN502	0094300111	plug seat	TJC3-3A	1
CN200	0094300012	plug seat	TJC3-3A	1
CN211	0094300012	plug seat	TJC3-3A	1
CN210	0094300104	plug seat	TJC3-5A	1
CN503	0094300104	plug seat	TJC3-5A	1
CN401	0094300307	plug seat	TJC1-4A	1
CN809	0094300104	plug seat	TJC3-5A	1
GT1	0094300090	plug seat	TJC1-1A	1
GT2	0094300090	plug seat	TJC1-1A	1
CN702	0090401872	wiring harness		1
CN202	0090401020	wiring harness	TJC3-4A	1
S	0090401672	wiring harness		1
CN703	0094300106	plug seat	TJC3-8A	1
CN810	0090400514	wiring harness	TJC3-4A	1
CN706	0090401670	wiring harness		1
CN807-C N808	0090401671	wiring harness		1
G	0090400064	wiring harness	150mm	1
STA-STB	0090400379	wiring harness	100mm	1
CN501	0090800009	wiring harness	TJC3-8B-3Y-5Y	1
R527	0094100101	oxid film resistor	RY17S-2W-33K-J-05-E-A	1
R511	0094102168	oxid film resistor	RY17-2W-18KΩ-J-20-D	1
R521	0094102168	oxid film resistor	RY17-2W-18KΩ-J-20-D	1
R531	0094102168	oxid film resistor	RY17-2W-18KΩ-J-20-D	1
R505	0094102506	fuse resistor	RF10-2W-2.2-J-05-C	1
R506	0094100128	fuse resistor	RF10-2W-68-J-05-E-A	1
C509	0094200727	Al ELECTROLYTIC CAPACITOR	CD110X-250V-4.7μF-M-F05	1
C510	0094200971	ceramic capacitor	CT1-B-2KV-1000PF-K-07-A	1
C800	0094200105	film capacitor	MKT61-275V-104-M-15-G-A	1



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REV	DATE	BY	CHK	APP
A1				
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