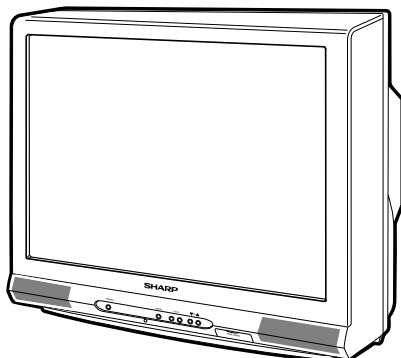


SHARP SERVICE MANUAL

S32G832U-F500



COLOR TELEVISION

Chassis No. MS-B

MODELS
32U-F500
32U-F810

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

CONTENTS

	Page
• ELECTRICAL SPECIFICATIONS	1
• IMPORTANT SERVICE SAFETY PRECAUTION	2
• LOCATION OF USER'S CONTROL	4
• INSTALLATION AND SERVICE INSTRUCTIONS	6
• SERVICE ADJUSTMENT	10
• CHASSIS LAYOUT	13
• BLOCK DIAGRAM	15
• SCHEMATIC DIAGRAMS	17
• PRINTED WIRING BOARD ASSEMBLIES	38
• REPLACEMENT PARTS LIST	45
• PACKING OF THE SET	59

ELECTRICAL SPECIFICATIONS

POWER INPUT 120V AC, 60 Hz
POWER RATING 166W
PICTURE SIZE 3,074 cm² (476sq inch)
CONVERGENCE Magnetic
SWEEP DEFLECTION Magnetic
FOCUS Ex-D Gun Electrostatic
INTERMEDIATE FREQUENCIES
Picture IF Carrier Frequency 45.75 MHz
Sound IF Carrier Frequency 41.25 MHz
Color Sub-Carrier Frequency 42.17 MHz
(Nominal)

AUDIO POWER

OUTPUT RATING 5.0W + 5.0W (at 10% distortion and
Dual CH Operate)

SPEAKER

SIZE 12 x 6 cm oval (2 pcs.)
VOICE COIL IMPEDANCE 8 ohm at 400 Hz

ANTENNA INPUT IMPEDANCE

VHF/UHF 75 ohm Unbalanced

TUNING RANGES

VHF-Channels 2 thru 13
UHF-Channels 14 thru 69
CATV Channels 1 thru 125

(EIA, Channel Plan U.S.A.)

Specifications are subject to change without prior notice.

SHARP CORPORATION

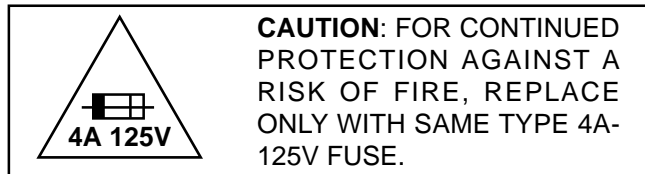
This document has been published to be used for after sales service only.
The contents are subject to change without notice.

IMPORTANT SERVICE SAFETY PRECAUTION

- **Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:**

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.
3. Semiconductor heat sinks are potential shock hazards when the chassis is operating.
4. The chassis in this receiver has two ground systems which are separated by insulating material. The non-isolated (hot) ground system is for the B+ voltage regulator circuit. The isolated ground system is for the low B+ DC voltages and the secondary circuit of the high voltage transformer.
To prevent electrical shock use an isolation transformer between the line cord and power receptacle, when servicing this chassis.



SERVICING OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

When servicing the high voltage system, remove the static charge by connecting a 10k ohm resistor in series with an insulated wire (such as a test probe) between the picture tube ground and the anode lead. (AC line cord should be disconnected from AC outlet.)

1. Picture tube in this receiver employs integral implosion protection.
2. Replace with tube of the same type number for continued safety.
3. Do not lift picture tube by the neck.
4. Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage anode completely.

X-RADIATION AND HIGH VOLTAGE LIMITS

1. Be sure all service personnel are aware of the procedures and instructions covering X-radiation. The only potential source of X-ray in current solid state TV receivers is the picture tube. However, the picture tube does not emit measurable X-Ray radiation, if the high voltage is as specified in the "High Voltage Check" instructions.
It is only when high voltage is excessive that X-radiation is capable of penetrating the shell of the picture tube including the lead in the glass material. The important precaution is to keep the high voltage below the maximum level specified.
2. It is essential that servicemen have available at all times an accurate high voltage meter.
The calibration of this meter should be checked periodically.
3. High voltage should always be kept at the rated value –no higher. Operation at higher voltages may cause a failure of the picture tube or high voltage circuitry and;also, under certain conditions, may produce radiation in exceeding of desirable levels.
4. When the high voltage regulator is operating properly there is no possibility of an X-radiation problem. Every time a color chassis is serviced, the brightness should be tested 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.
5. Do not use a picture tube other than that specified or make unrecommended circuit modifications to the high voltage circuitry.
6. When trouble shooting and taking test measurements on a receiver with excessive high voltage, avoid being unnecessarily close to the receiver.
Do not operate the receiver longer than is necessary to locate the cause of excessive voltage.

IMPORTANT SERVICE SAFETY PRECAUTION

(Continued)

BEFORE RETURNING THE RECEIVER

(Fire & Shock Hazard)

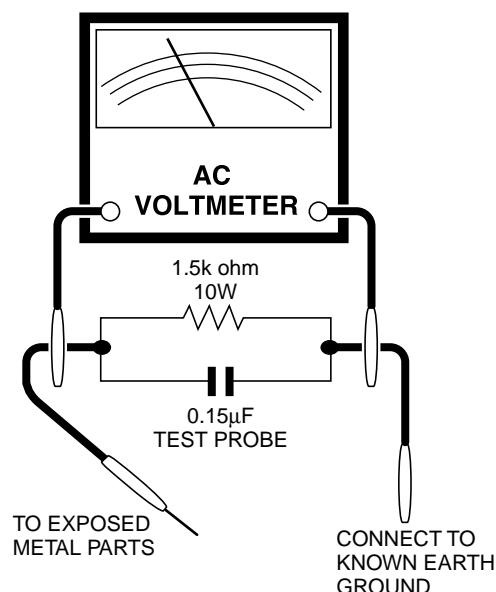
Before returning the receiver to the user, perform the following safety checks.

1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.
 - Plug the AC cord directly into a 120 volt AC outlet, (Do not use an isolation transformer for this test).
 - Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 μ F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to earth ground.
 - Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor.

- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC line cord plug connection reversed. (If necessary, a non-polarized adapter plug must be used only for the purpose of completing these check.)

Any current measured must not exceed 0.5 milliamp. Any measurements not within the limits outlined above indicate of a potential shock hazard and corrective action must be taken before returning the instrument to the customer.



SAFETY NOTICE

Many electrical and mechanical parts in television receivers have special safety-related characteristics. These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.

Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by "⚠" and shaded areas in the Replacement Parts Lists and Schematic Diagrams.

For continued protection, replacement parts must be identical to those used in the original circuit. The use of substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire, X-radiation or other hazards.

LOCATION OF USER'S CONTROL (32U-F500)

Front Panel

POWER

Press → On.
Press again → Off.

SENSOR AREA FOR
REMOTE CONTROL

MENU

Press → Accesses MAIN MENU.
Press again → Exits MAIN MENU.

VOLUME UP/DOWN

(+) Increases sound.
(-) Decreases sound.

VIDEO/AUDIO IN 2
TERMINALS
(INSIDE DOOR)

CHANNEL UP/DOWN

(▲) Selects next higher channel.
(▼) Selects next lower channel.

- Press both at the same time to access the MAIN MENU screen.

Basic Remote Control Functions

POWER

Press → On.
Press again → Off.

REMOTE KEYPAD

Accesses any channel from keypad.

FLASHBACK

Returns to previous channel.

PERSONAL PREFERENCE

With the Personal Preference buttons, you can program your favorite programs by using the 4 categories A, B, C and D. The channels can be accessed quickly by using these buttons.

VOLUME UP/DOWN

(+) Increases sound.
(-) Decreases sound.

- In menu mode, changes or selects the TV adjustments.

MENU

Press → Accesses MAIN MENU.
Press again → Exits MAIN MENU.

CATV/DVD-TV/VCR MODE SELECT SWITCH

In TV/VCR position, sends power and channel select commands (Channel up/down and Random Access buttons) to the TV and VCR control.

In CATV/DVD position, sends power and channel select commands to a cable TV converter and DVD control.

DVD/VCR CONTROL

Infrared Transmitter Window

DISPLAY

Press → Displays receiving channel for four seconds.

Press again → Removes display.

- Temporarily displays receiving channel when in Closed Caption mode.

INPUT

Press → Switch to external video INPUT 1 mode.

Press 2 times → Switch to external video INPUT 2 mode.

Press 3 times → Switch to external video INPUT 3 mode or COMPONENT mode.

Press 4 times → Switch back to the original TV mode.

ENTER

Used in some instances where a Cable Converter Box requires an "enter" command after selecting channels, when using the REMOTE KEYPAD button.

CHANNEL UP/DOWN

(▲) Selects next higher channel.
(▼) Selects next lower channel.

- Moves the "■" mark of the MENU screens.

MUTE

Press → Mutes sound.

Press again → Restores sound.

- CLOSED CAPTION appears when sound is muted.

Note:

- The above shaded buttons on the Remote Control glow in the dark. To use the glow-in-the-dark display on the remote control, place it under a fluorescent light or other lighting.
- The phosphorescent material contains no radioactive or toxic material, so it is safe to use.
- The degree of illumination will vary depending on the strength of lighting used.
- The degree of illumination will decrease with time and depending on the temperature.
- The time needed to charge the phosphorescent display will vary depending on the surrounding lighting.
- Sunlight and fluorescent lighting are the most effective when charging the display.

LOCATION OF USER'S CONTROL (32U-F810)

Front Panel

POWER

Press → On.
Press again → Off.

SENSOR AREA FOR
REMOTE CONTROL

MENU

Press → Accesses MAIN MENU.
Press again → Exits MAIN MENU.

VOLUME UP/DOWN

(+) Increases sound.
(-) Decreases sound.

VIDEO/AUDIO IN 2
TERMINALS

CHANNEL UP/DOWN

(▲) Selects next higher channel.
(▼) Selects next lower channel.
• Press both at the same time to access the MAIN MENU screen.

Basic Remote Control Functions

POWER

Press → On.
Press again → Off.

ANT-A/B

REMOTE KEYPAD

Accesses any channel from keypad.

FLASHBACK

Returns to previous channel.

PERSONAL PREFERENCE

With the Personal Preference buttons, you can program your favorite programs by using the 4 categories A, B, C and D. The channels can be accessed quickly by using these buttons.

VOLUME UP/DOWN

(+) Increases sound.
(-) Decreases sound.
• In menu mode, changes or selects the TV adjustments.

MENU

Press → Accesses MAIN MENU.
Press again → Exits MAIN MENU.

MUTE

Press → Mutes sound.
Press again → Restores sound.
• CLOSED CAPTION appears when sound is muted.

POWER

Press → On.
Press again → Off.

DVD/VCR CONTROL

PIP FUNCTION

You can watch two pictures at the same time.

Infrared Transmitter Window

CATV/DVD-TV/VCR MODE buttons
Press TV/VCR, sends power and channel select commands (Channel up/down and Random Access buttons) to the TV and VCR control.

Press CATV/DVD, sends power and channel select commands to a cable TV converter and DVD control.

DISPLAY

Press → Displays receiving channel for four seconds.
Press again → Removes display.
• Temporarily displays receiving channel when in Closed Caption mode.

INPUT

Press → Switch to external video INPUT 1 mode.
Press 2 times → Switch to external video INPUT 2 mode.
Press 3 times → Switch to external video INPUT 3 mode or COMPONENT mode.
Press 4 times → Switch back to the original TV mode.

ENTER

Used in some instances where a Cable Converter Box requires an "enter" command after selecting channels, when using the REMOTE KEYPAD button.

CHANNEL UP/DOWN

(▲) Selects next higher channel.
(▼) Selects next lower channel.
• Moves the "■" marks of the MENU screen

SKIP/VCR-CH

REC

Note:

- The above shaded buttons on the Remote Control glow in the dark. To use the glow-in-the-dark display on the remote control, place it under a fluorescent light or other lighting.
- The phosphorescent material contains no radioactive or toxic material, so it is safe to use.
- The degree of illumination will vary depending on the strength of lighting used.
- The degree of illumination will decrease with time and depending on the temperature.
- The time needed to charge the phosphorescent display will vary depending on the surrounding lighting.
- Sunlight and fluorescent lighting are the most effective when charging the display.

INSTALLATION AND SERVICE INSTRUCTIONS

- Note:** (1) When performing any adjustments to resistor controls and transformers use non-metallic screwdrivers or TV alignment tools.
(2) Before performing adjustments, the TV set must be on at least 15 minutes.

CIRCUIT PROTECTION

The receiver is protected by a 4.0A fuse (F701), mounted on PWB-A, wired into one side of the AC line input.

X-RADIATION PROTECTOR CIRCUIT TEST

After service has been performed on the horizontal deflection system, high voltage system, B+ system, test the X-Radiation protection circuit to ascertain proper operation as follows:

1. Apply 120V AC using a variac transformer for accurate input voltage.
2. Allow for warm up and adjust all customer controls for normal picture and sound.
3. Receive a good local channel.
4. Connect a digital voltmeter to TP651 and make sure that the voltmeter reads $12.8 \pm 0.7V$.
5. Apply external 16.1V DC at TP651 by using an external DC supply, TV must be shut off.
6. To reset the protector, unplug the AC cord and plug the AC cord power on. Now make sure that normal picture appears on the screen.
7. If the operation of the horizontal oscillator does not stop in step 5, the circuit must be repaired before the set is returned to the customer.

HIGH VOLTAGE CHECK

High voltage is not adjustable but must be checked to verify that the receiver is operating within safe and efficient design limitations as specified checks should be as follows:

1. Connect an accurate high voltage meter between ground and anode of picture tube.
2. Operate receiver for at least 15 minutes at 120V AC line voltage, with a strong air signal or a properly tuned in test signal.
3. Enter the service mode and select the service adjustment "V18" and Bus data "01" (Y-mute on, CRT Cut Off).
4. The voltage should be approximately 35.5kV (at zero beam).
If a correct reading cannot be obtained, check circuitry for malfunctioning components. After the voltage test, make Y-mute off to the normal mode.

For adjustments of this model, the bus data is converted to various analog signals by the D/A converter circuit.

Note: There are still a few analog adjustments in this series such as focus and master screen voltage. Follow the steps below whenever the service adjustment is required. See "Table-B" to determine, if service adjustments are required.

1. Service mode

Before putting unit into the service mode, check that customer adjustments are in the normal mode. Use the reset function in the video adjustment menu to ensure customer controls are in their proper (reset) position.

2. Service number selection

Once in the service mode, press the Ch-up or Ch-down button on the remote controller or at the set. The service adjustment number will vary in increments of one, from "V01" to "P08". Select the item you wish to adjust.

3. Data number selection

Press the Vol-up or Vol-down button to adjust the data number.

To enter the service mode and exit service mode.

To enter the service mode manually just press and hold the Vol-down and Ch-up buttons at the same time, plug the AC cord into a wall socket.

Now the TV set is switched on and enters the service mode.

To exit the service mode, turn the television off by pressing the power button.

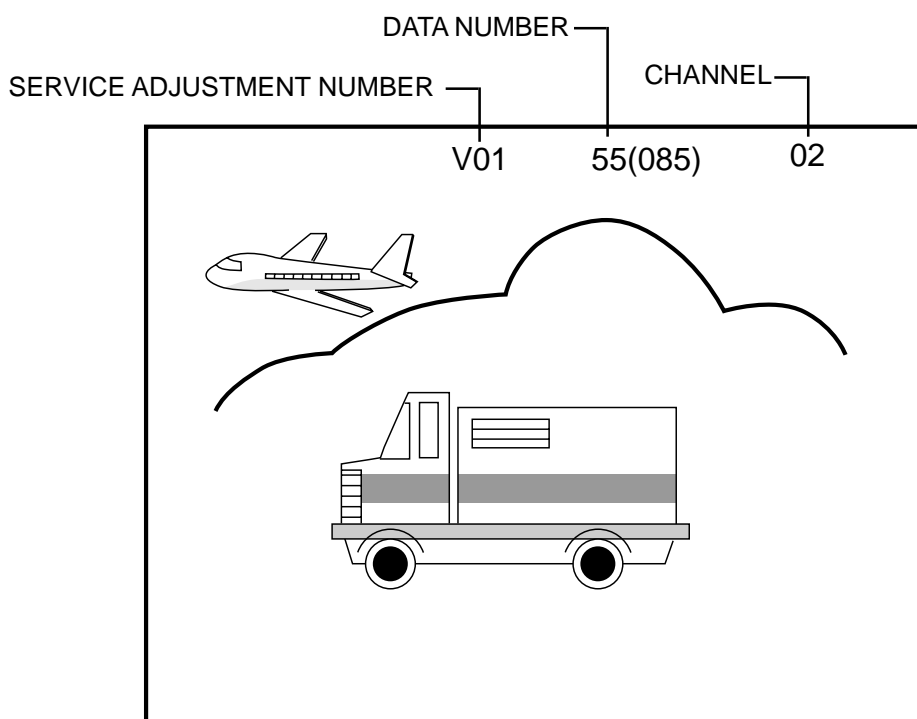


Figure A.

SERVICE NUMBER	ADJUSTMENT ITEM	DATA		ADJUSTMENT CONTENTS
		INITIAL VALUE	RANGE	
V01	PICTURE	3(03h)	0-15(00h-0Fh)	Must be set to "10"
V02	TINT	62(3Eh)	0-127(00h-7Fh)	
V03	COLOR	45(2Dh)	0-127(00h-7Fh)	
V04	SCREEN	16(10h)	0-127(00h-7Fh)	
			0-31(00h-1Fh)	
V05	BRIGHT	77(4Dh)	0-127(00h-7Fh)	Must be set to "1E"
V06	R CUT-OFF	64(40h)	64-255(40h-FFh)	
V07	G CUT-OFF	64(40h)	64-255(40h-FFh)	
V08	B CUT-OFF	64(40h)	64-255(40h-FFh)	
V09	G DRIVE	64(40h)	0-127(00h-7Fh)	Must be set to "1E"
V10	B DRIVE	64(40h)	0-127(00h-7Fh)	
V11	SHARP	20(14h)	0-63(00h-3Fh)	
V12	N PHASE	1(01h)	0-3 (00h-03h)	
V13	DC RESTORATION	0(00h)	0-3 (00h-03h)	Must be set to "03"
V14	BLACK STRETCH	3(03h)	0-3 (00h-03h)	Must be set to "03"
V15	ABL START POINT	3(03h)	0-3 (00h-03h)	Must be set to "03"
V16	ABL GAIN	2(02h)	0-3 (00h-03h)	Must be set to "02"
V17	γ POINT	0(00h)	0-3 (00h-03h)	Must be set to "02"
V18	Y-MUTE/V-STOP	0(00h)	0-2	Must be set to "00"
V19	ENERGY SAVE	40(28h)	0-63(00h-3Fh)	Must be set to "28"
V24	LOW-G	247(F7h)	0-255(00h-FFh)	Must be set to "F7"
V25	LOW-B	232(E8h)	0-255(00h-FFh)	Must be set to "E8"
V26	ML-G	0(00h)	0-255(00h-FFh)	Must be set to "00"
V27	ML-B	249(F9h)	0-255(00h-FFh)	Must be set to "F9"
V28	HIGH-G	3(03h)	0-255(00h-FFh)	Must be set to "03"
V29	HIGH-B	6(06h)	0-255(00h-FFh)	Must be set to "06"
V30	WPS	1(01h)	0-1	Must be set to "01"
V31	RGB CONTRAST	32(20h)	0-63(00h-3Fh)	Must be set to "2A"
V32	Y-DL	2(02h)	0-7(00h-07h)	Must be set to "02"
V33	Y-DL-INPUT	1(01h)	0-7(00h-07h)	Must be set to "01"
V34	VSM GAIN	7(07h)	0-7(00h-07h)	Must be set to "07"
V35	N COMB	1(01h)	0-1	Must be set to "01"
V36	BPF/TOF-INPUT	0(00h)	0-1	Must be set to "01"
V37	CORING	0(00h)	0-1	Must be set to "00"
V38	VSM PHASE	0(00h)	0-1	Must be set to "00"
V39	COLOR γ	0(00h)	0-1	Must be set to "01"
V40	SHARP-INPUT	20(14h)	0-63(00h-3Fh)	Must be set to "1E"
V41	TINT-INPUT	62(3Eh)	0-127(00h-7Fh)	Must be set to "10"
V42	PICTURE-COMPONENT	3(03h)	0-15(00h-0Fh)	
V43	TINT-COMPONENT	16(10h)	0-31(00h-1Fh)	
V44	COLOR-COMPONENT	48(30h)	0-31(00h-1Fh)	
V45	BRIGHT-COMPONENT	74(4Ah)	0-127(00h-7Fh)	Must be set to "44"
V46	R CUT OFF-COMPONENT	64(40h)	0-255(00h-FFh)	
V47	G CUT OFF-COMPONENT	64(40h)	0-255(00h-FFh)	
V48	B CUT OFF-COMPONENT	64(40h)	0-255(00h-FFh)	
V49	G DRIVE-COMPONENT	64(40h)	0-127(00h-7Fh)	Must be set to "1E"
V50	B DRIVE-COMPONENT	64(40h)	0-127(00h-7Fh)	
V51	SHARP-COMPONENT	20(14h)	0-63(00h-3Fh)	
V52	N PHASE-COMPONENT	01(01h)	0-3 (00h-03h)	
V53	C-TRAP	0(00h)	0-1	Must be set to "00"
V54	ANT-B PICTURE	3(03h)	0-15(00h-0Fh)	Must be set to "1E"
V55	ANT-B TINT	62(3Eh)	0-127(00h-7Fh)	
V56	ANT-B COLOR	45(2Dh)	0-127(00h-7Fh)	
V57	ANT-B SHARP	20(14h)	0-63(00h-3Fh)	
V58	ANT-B BRIGHT	77(4Dh)	0-127(00h-7Fh)	
R01	RF-AGC	36(24h)	0-63(00h-3Fh)	Must be set to "5C"
R02	PIF VCO coil	—	—	
R03	RF-AGC REF	92(5Ch)	0-255(00h-FFh)	
D01	V POSITION	0(00h)	0-7 (00h-07h)	Must be set to "1E"
D02	H POSITION	16(10h)	0-31(00h-1Fh)	
D03	V SIZE	18(12h)	0-63(00h-3Fh)	
D04	H SIZE	31(1Fh)	0-63(00h-3Fh)	
D05	V-LINEARITY	7(07h)	0-15(00h-0Fh)	Must be set to "09"
D06	V-S CORRECTION	8(08h)	0-15(00h-0Fh)	

Table - A

SERVICE NUMBER	ADJUSTMENT ITEM	DATA		ADJUSTMENT CONTENTS
		INITIAL VALUE	RANGE	
D07	EW PARABOLA	33(21h)	0-63(00h-3Fh)	Must be set to "27"
D08	EW TRAPEZIUM	14(0Eh)	0-31(00h-1Fh)	Must be set to "0B"
D09	EW CORNER	12(0Ch)	0-15(00h-0Fh)	Must be set to "08"
D10	AFC GAIN	2(02h)	0-3 (00h-03h)	Must be set to "02"
D11	V EHT	7(07h)	0-7 (00h-07h)	Must be set to "04"
D12	H EHT	3(03h)	0-7 (00h-07h)	Must be set to "03"
EX1	FAO VOLUME	36(24h)	0-50(00h-32h)	Must be set to "24"
EX2	CC-POSITION	33(21h)	0-127(00h-7Fh)	
EX3	INT	122(7Ah)	0-255(00h-FFh)	Must be set to "7A"
EX4	A-ATT	90(5Ah)	0-127	
EX5	TUNER data	0(00h)	0-3(00h-03h)	Must be set to "00"
EX6	Think chip-Slice LEVEL	54(36h)	0-255(00h-FFh)	Must be set to "36"
OP1	OPTION1	247(F7h)	0-255(00h-FFh)	Must be set to "F7" (32U-F810), "F5" (32U-F500)
OP2	OPTION2	249(F9h)	0-255(00h-FFh)	Must be set to "F9" (32U-F810), "18" (32U-F500)
OP3	OPTION3	15(0Fh)	0-255(00h-FFh)	Must be set to "0F"
M01	INPUT LEVEL	9(09h)	0-15(00h-0Fh)	Must be set to "09"
M02	MTS VCO	36(24h)	0-63(00h-3Fh)	
M03	FILTER	31(1Fh)	0-63(00h-3Fh)	
M04	WIDEBAND	24(18h)	0-63(00h-3Fh)	
M05	SPECTRAL	16(10h)	0-63(00h-3Fh)	
M06	ANT-B INPUT LEVEL	9(09h)	0-15(00h-0Fh)	
M07	ANT-B WIDEBAND	24(18h)	0-63(00h-3Fh)	
M08	ANT-B SPECTRAL	16(10h)	0-63(00h-3Fh)	
M09	SRS LEVEL	255(FFh)	0-255(00h-FFh)	Must be set to "E0"
M10	BBE LEVEL	255(FFh)	0-255(00h-FFh)	Must be set to "D9"
M11	SRS&BBE LEVEL	255(FFh)	0-255(00h-FFh)	Must be set to "D0"
M12	SRS&BBE OFF LEVEL	255(FFh)	0-255(00h-FFh)	Must be set to "E5"
M13	SRS Effect	2(02h)	2-3(02h-03h)	Must be set to "02"
M14	BBE-L Effect	8(08h)	0-15(00h-0Fh)	Must be set to "0F"
M15	BBE-H Effect	8(08h)	0-15(00h-0Fh)	Must be set to "0F"
M16	AGC Level	7(07h)	0-7(00h-07h)	Must be set to "01"
M17	BASS Offset	0(00h)	0-31(00h-1Fh)	Must be set to "10"
M18	TREBLE Offset	0(00h)	0-31(00h-1Fh)	Must be set to "10"
M19	BASS Offset-BBE	0(00h)	0-31(00h-1Fh)	Must be set to "11"
M20	TREBLE Offset-BBE	0(00h)	0-31(00h-1Fh)	Must be set to "10"
P01	CONTRAST-PIP	50(32h)	0-127(00h-7Fh)	
P02	TINT-PIP	41(29h)	0-63(00h-3Fh)	Must be set to "29"
P03	COLOR-SAT-PIP	50(32h)	0-127(00h-7Fh)	
P04	Y-OFFSET-PIP	9(09h)	0-31(00h-1Fh)	Must be set to "09"
P05	HXA-PIP	10(0Ah)	0-255(00h-FFh)	Must be set to "0A"
P06	HADJ-PIP	0(00h)	0-15(00h-0Fh)	Must be set to "00"
P07	FREE RUN-PIP	11(0Bh)	0-15(00h-0Fh)	Must be set to "0B"
P08	TINT-PIP-INPUT	36(24h)	0-63(00h-3Fh)	Must be set to "24"

Table - A

Holding down both the VOL-up and CH-up buttons on the TV set at service mode for more than 2 seconds will automatically write the above initial values into IC2102.

PART REPLACED	ADJUSTMENT		NOTES
	NECESSARY	UNNECESSARY	
IC2001		X	Data is stored in IC2102.
IC201	X		The adjustment is needed to compensate for characteristics of parts including IC201 and MTS level (M01).
IC2102	X		Holding down both the VOL-up and CH-up buttons on the TV set in the service mode for more than 2 seconds will automatically write the above initial values into IC2102. Then perform a complete adjustment.
CRT	X		Adjust items related to picture tube only.
IC3001	X		Adjust items related to MTS only (M01~M20).
IC1801	X		Adjust items related to P-IN-P only (P01~P08).

Table - B

SERVICE ADJUSTMENT

RF AGC Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "R01".
3. Set the data value to point where no noise or beat appears.
4. Select another channel to confirm that no noise or beat appears.

Note 1 : You will have to come out of the service mode to select another channel.

Note 2 : Setting the data to "00" will produce a black raster.

ScreenAdjustment

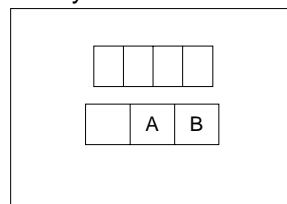
1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "V03" and set the data value to "00" to set the color level to minimum. (Record original data code under adjustment "V03" before changing) You may skip this step, if you selected a B/W picture or monoscope pattern.
3. Select the service adjustment "V18" and adjust the data value to "01", this turn off the luminance signal (Y-mute).
4. Adjust the master screen control until the raster darkens to the point where raster is barely seen.
5. Adjust the service adjustments "V06" red, "V07" green and "V08" blue to obtain a good grey scale with normal whites at low brightness level.
6. Select the service adjustment "V18" and reset data to "00". Select the service adjustment "V03" and reset data to obtain normal color level.
7. For component input, the data value of "V46" red, "V47" green and "V48" blue is adjusted to follow the data value of "V06", "V07" and "V08" respectively.
8. Reset the master screen control to obtain normal brightness range.

White Balance Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "V03" and set to "00" (minimum color)(Record original data code under adjustment "V03" before changing). "V03" does not have to be adjusted, if you selected a B/W picture or monoscope pattern.
3. Alternately adjust the service adjustment data of "V09" and "V10" until a good grey scale with normal whites is obtained. (RF Input)
4. For component input, the data value of "V49" and "V50" is adjusted to follow the data value of "V09" and "V10" respectively.
5. Select the service adjustment "V03" and reset data to obtain normal color level.

Sub-picture and Sub-Bright Adjustments

1. Receive the window pattern signal.
- RF INPUT (TU51)
2. Get into service adjustment data "V01" and "V05" and set the luminance as shown in figure "A" and "B" as below respectively.
- RF INPUT (TU52)
3. Get into service adjustment data "V54" and "V58" and set the luminance as shown in figure "A" and "B" as below respectively.
- COMPONENT INPUT
4. Get in service adjustment data "V42" and "V45" and set the luminance as shown in figure "A" and "B" as below respectively.



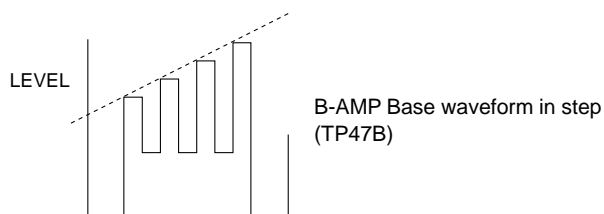
VOLTAGE CONFIRMATION

A: $95 \pm 10 \text{cd/m}^2$

B: $1.50 \pm 0.5 \text{cd/m}^2$

Sub-Tint Adjustment

1. Receive the half color bar signal.
- RF INPUT (TU51)
2. Get into Y-Mute by R/C, or by setting the "V18" bus data to "01".
3. Vary the "V02" bus data until the waveform becomes as stated below.



- RF INPUT (TU52) (32U-F810 only)
- 4. Input data of "V55" to minus 1 step from "V02" data.
- AV INPUT
- 5. Input data of "V41" to minus 5 step from "V02" data.

Sub-Color Adjustment

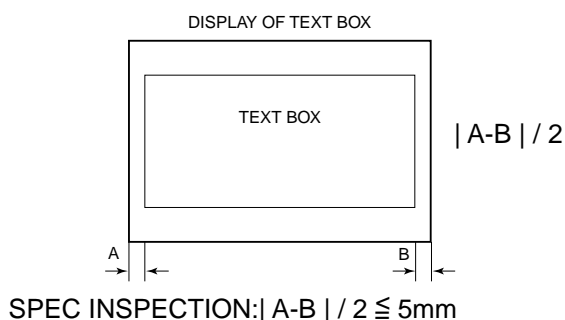
1. Receive a good local channel.
2. Make sure the customer color control is set to center position .
- RF INPUT (TU51)
3. Enter the service mode and select service adjustment "V03".
4. Adjust "V03" data value to obtain a normal color level.
- RF INPUT (TU52) (32U-F810 only)
5. Enter the service mode and select service adjustment "V56".
6. Input the data of "V56" same as "V03" data.

Focus Adjustment

1. Receive a good local channel.
2. Adjust the VR-1 (upper knob) and VR-2 (middle knob) of the flyback transformer to make the image as fine as possible.

C. C Display Position Adjustment

1. Receive the lion head pattern signal.
2. Select "EX2" to display the text box.
3. Adjust the "EX2" bus data to let the text box displayed in the center.



Vertical-Size and Linearity Adjustments

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "D03" for V-size.
3. Adjust the "D03" bus data to get the proper V-size.
4. For V-linearity adjustment, select data bus "D05" and adjust to get the proper vertical linearity.

Note: Aging for 10 min before adjustment. After the adjustment of V-center and V-size, re-adjustment for this V-line.

Vertical Phase Adjustment

1. Enter the service mode and select the service adjustment "D01".
2. Adjust "D01" data value so that picture is centered.

Horizontal Position Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "D02".
3. Adjust "D02" data value so that picture is centered.

Caption Position Adjustment (Horizontal)

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "EX2".
3. A black text box appears on the screen. (see **Figure B.**)
4. Adjust "EX2" data value so that text box is positioned in the center of the screen.

Horizontal-Size Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "D04" for H-size.
3. Adjust the "D04" bus data to get the proper H-size.

EW-Parabola

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "D07" for EW parabola.
3. Adjust the "D07" bus data to get the proper vertical straight line for both left and right side.

EW-Trapezium

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "D08" for EW-Trapezium.
3. Adjust the "D08" bus data to get the best position display.

EW-Corner

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "D09" for EW-Corner.
3. Adjust the "D09" bus data to get the best linearity for 4 corner points.

Other Adjustments

1. Enter the service mode.
2. Adjust the following data values as listed below.

SERVICE POSITION	ADJUST ITEM	DATA(Hex)	
		32U-F810	32U-F500
OP1	OPTION1	F7	F5
OP2	OPTION2	F9	18
OP3	OPTION3	0F	0F

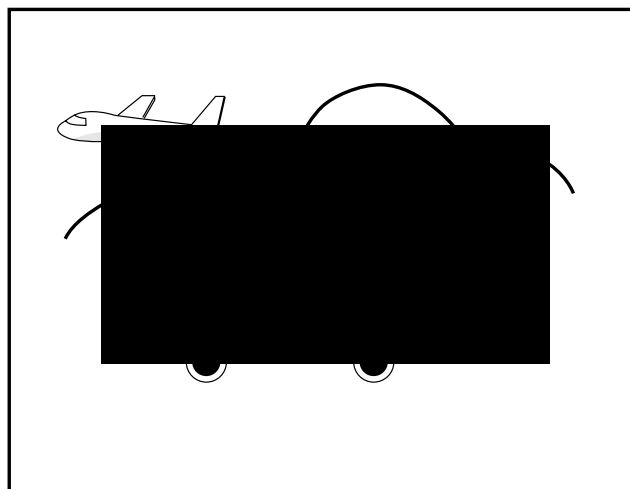


Figure B.

■ MTS ADJUSTMENT

MTS Level Adjustment

1. Set the sound volume above 1.
Monoral signal: 400Hz, 100% modulation
 2. Confirm "M01" data is "09h".
 3. Vary the "EX4" bus data until the voltage to pin (39) of IC3001.
 4. Become the value as stated below.
- Only for 32U-F810
1. Set the sound volume above 1.
 2. Vary the "M06" bus data until the voltage to pin (39) of IC3001.
 3. Becomes the value as stated below.

SETTING VOLTAGE

ADJ spec : 490±10mVrms

CHK spec: 490±20mVrms

MTS VCO Adjustment

1. Keep the unit in no-signal state.
2. Connect the frequency counter to pin (39) of IC3001.
3. Connect a capacitor (100μF, 50V) in between positive(+) side of C3005 and ground.
4. Enter the service mode and select the service adjustment "M02"
5. Adjust the data so that the frequency counter reads 62.94 ±0.75kHz.

Filter Adjustment

1. Feed the following stereo pilot signal to pin (14) of IC3001 .
Stereo pilot signal: 9.4kHz, 600mVrms.
2. Enter the service mode and select the service adjustment "M03".
3. Adjust the data until "OK" appears in position on the screen. Make sure the "OK" is displayed almost at the center of the data range.

Separation Adjustment

1. Input "SIGNAL 1" and vary the "M04" bus data to get the minimun AC voltage to pin (39) of IC3001.
 2. Input "SIGNAL 2" and vary the "M05" bus data to get the minimun AC voltage to pin (39) of IC3001.
SIGNAL 1: 300Hz, 30% modulation, Lch only, NR-ON
SIGNAL 2: 3kHz, 30% modulation, Lch only, NR-ON
- Only for 32U-F810
1. Input "SIGNAL 1" and vary the "M07" bus data to get the minimun AC voltage to pin (39) of IC3001.
 2. Input "SIGNAL 2" and vary the "M08" bus data to get the minimun AC voltage to pin (39) of IC3001.

Note: SIGNAL 1 Adj. for wideband

SIGNAL 2 Adj. for spectral

Check the output of the speaker at the maximum volume as stated below.

Confirmation spec:

ADJ spec: above 25 dB

CHK spec: above 20 dB

■ P-IN-P ADJUSTMENT

(Only for 32U-F810)

P-IN-P Y-LEVEL Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "P01".
3. Adjust "P01" data value to obtain normal contrast level.

P-IN-P TINT Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "P02".
3. Adjust data value to "29".

P-IN-P COLOR Adjustment

1. Receive a good local channel.
2. Make sure the customer color control is set to center position.
3. Enter the service mode and select the service adjustment "P03".
4. Adjust "P03" data value to obtain normal color level.

P-IN-P Y-OFF SET Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "P04".
3. Adjust data value to "09".

P-IN-P H-POSITION Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "P05".
3. Adjust data value to "0A".

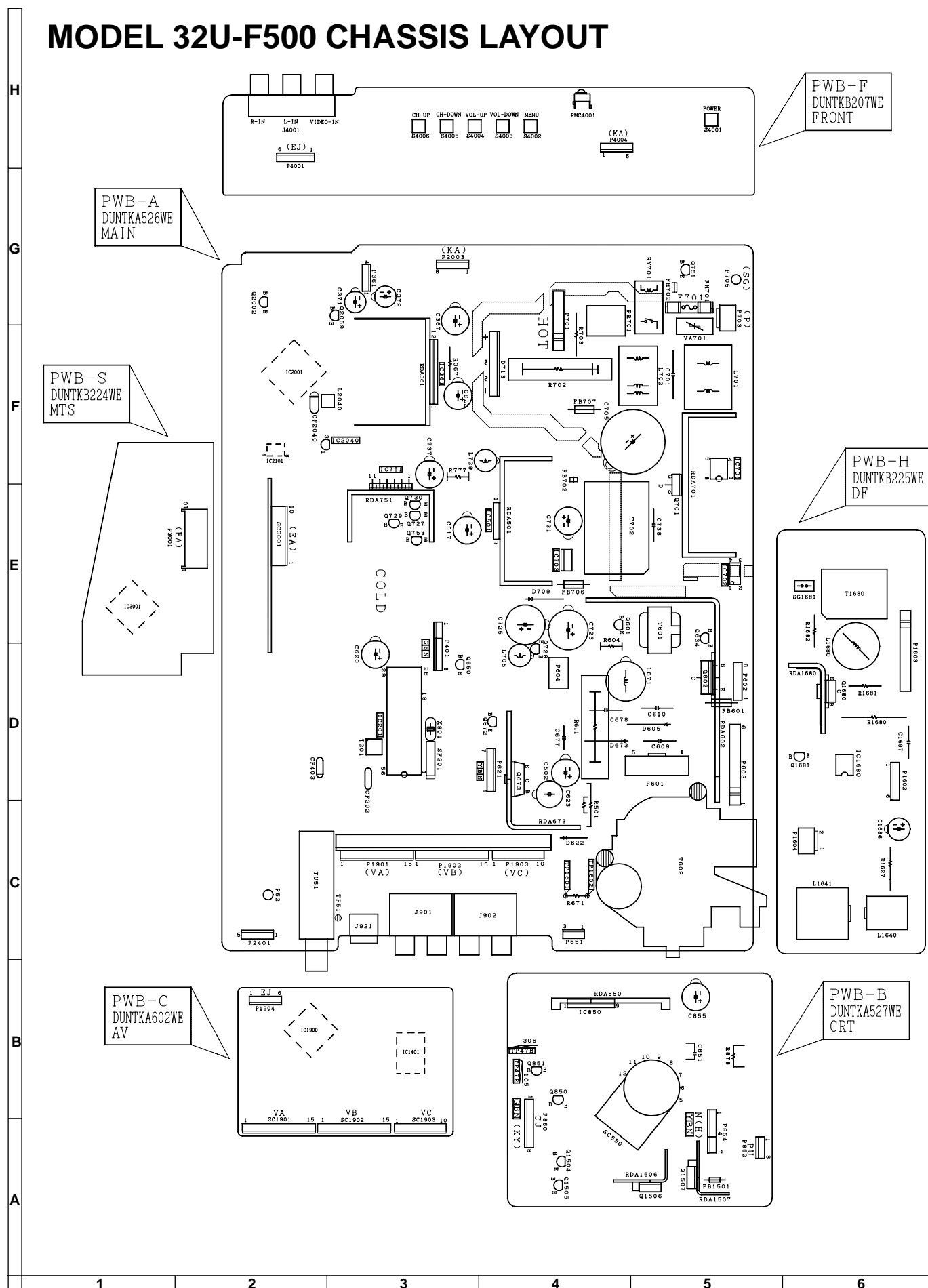
P-IN-P BURST GATE PULSE (for MAIN)

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "P06".
3. Adjust data value to "00".

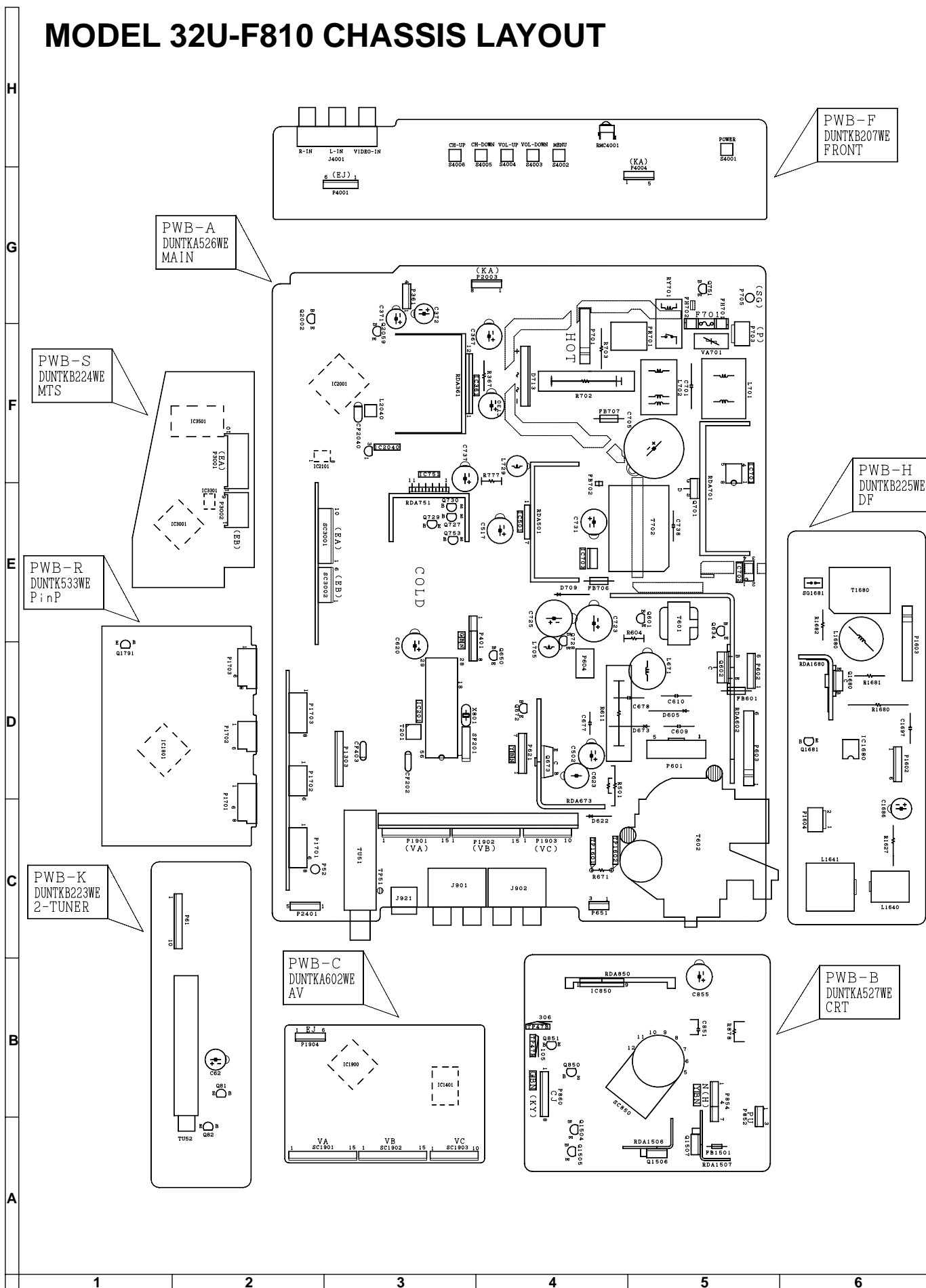
P-IN-P FREERUN

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "P07".
3. Adjust data value to "0B".

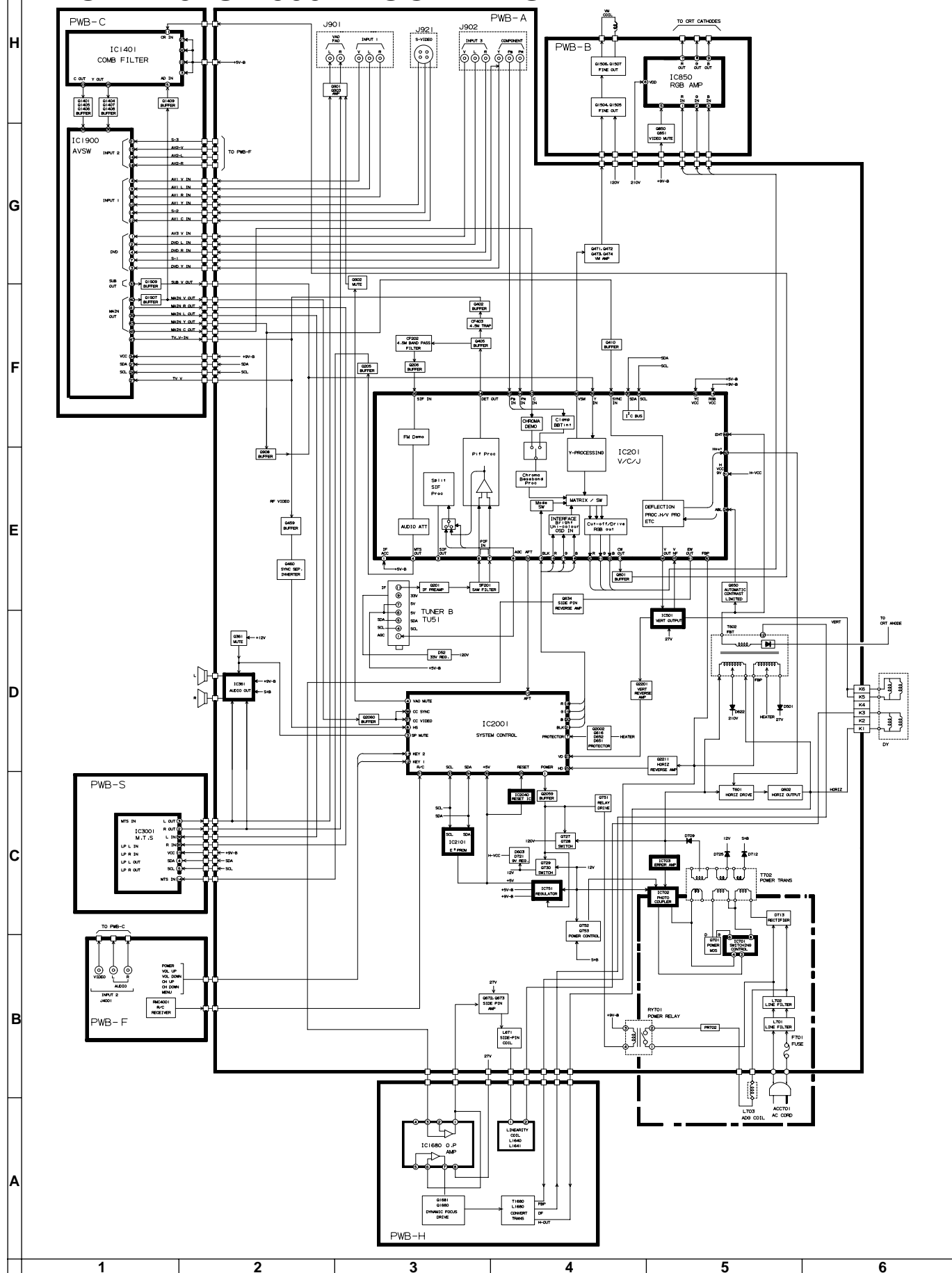
MODEL 32U-F500 CHASSIS LAYOUT



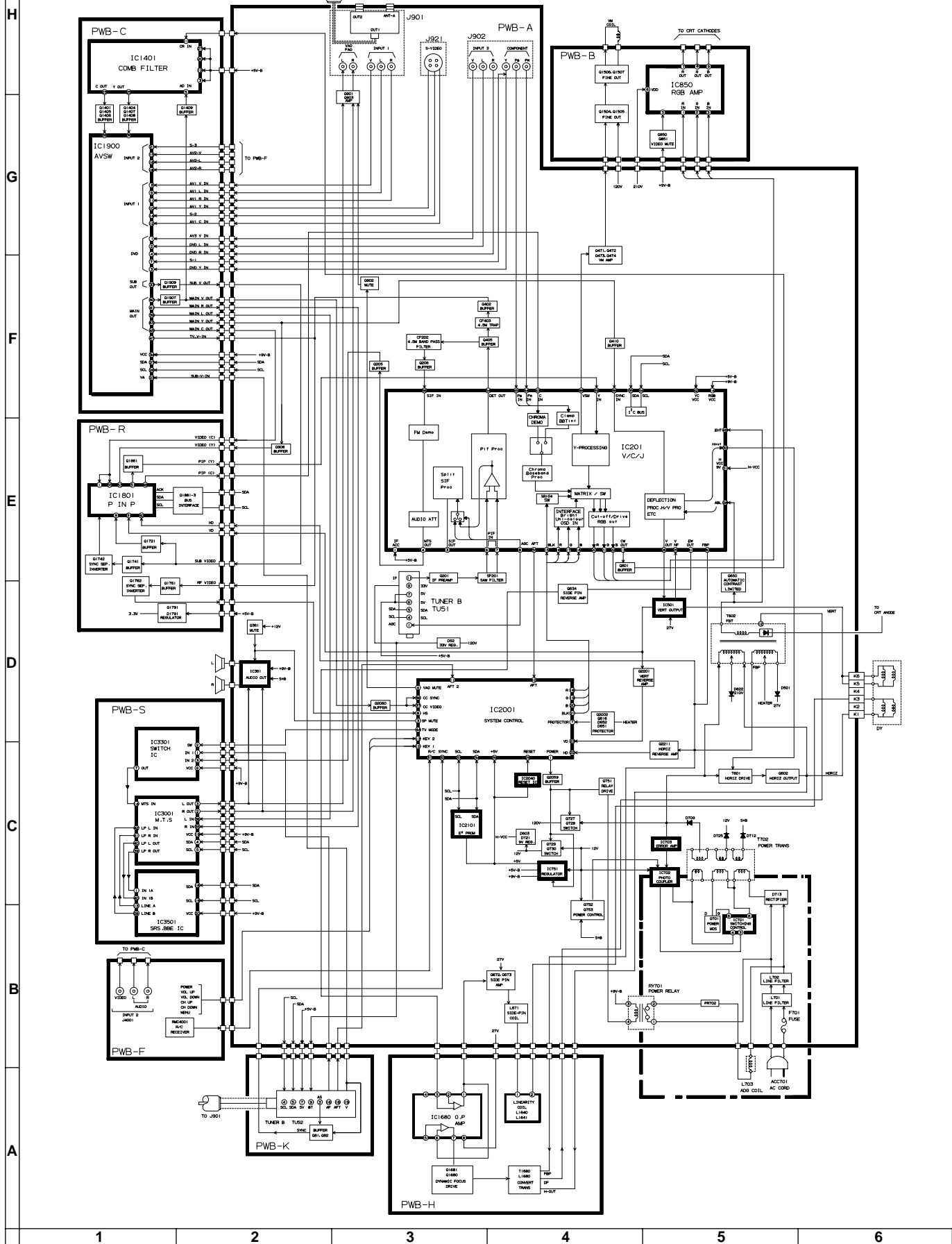
MODEL 32U-F810 CHASSIS LAYOUT



MODEL 32U-F500 BLOCK DIAGRAM



MODEL 32U-F810 BLOCK DIAGRAM



DESCRIPTION OF SCHEMATIC DIAGRAM

NOTES:

1. The unit of resistance "ohm" is omitted.
($K=k\Omega=1000\Omega$, $M=M\Omega$)
2. All resistors are 1/16 watt, unless otherwise noted.
3. All capacitors are μF , unless otherwise noted.
($P=pF=\mu\mu F$)
4. (G) indicates $\pm 2\%$ tolerance may be used.
5. $\overline{\text{---}}$ indicates line isolated ground.

VOLTAGE MEASUREMENT CONDITIONS:

1. All DC voltages are measured with DVM connected between points indicated and chassis ground, line voltage set at 120V AC and all controls set for normal picture unless otherwise indicated.
2. All voltages measured with 1000 μ V B & W or Color signal.

WAVEFORM MEASUREMENT CONDITIONS:

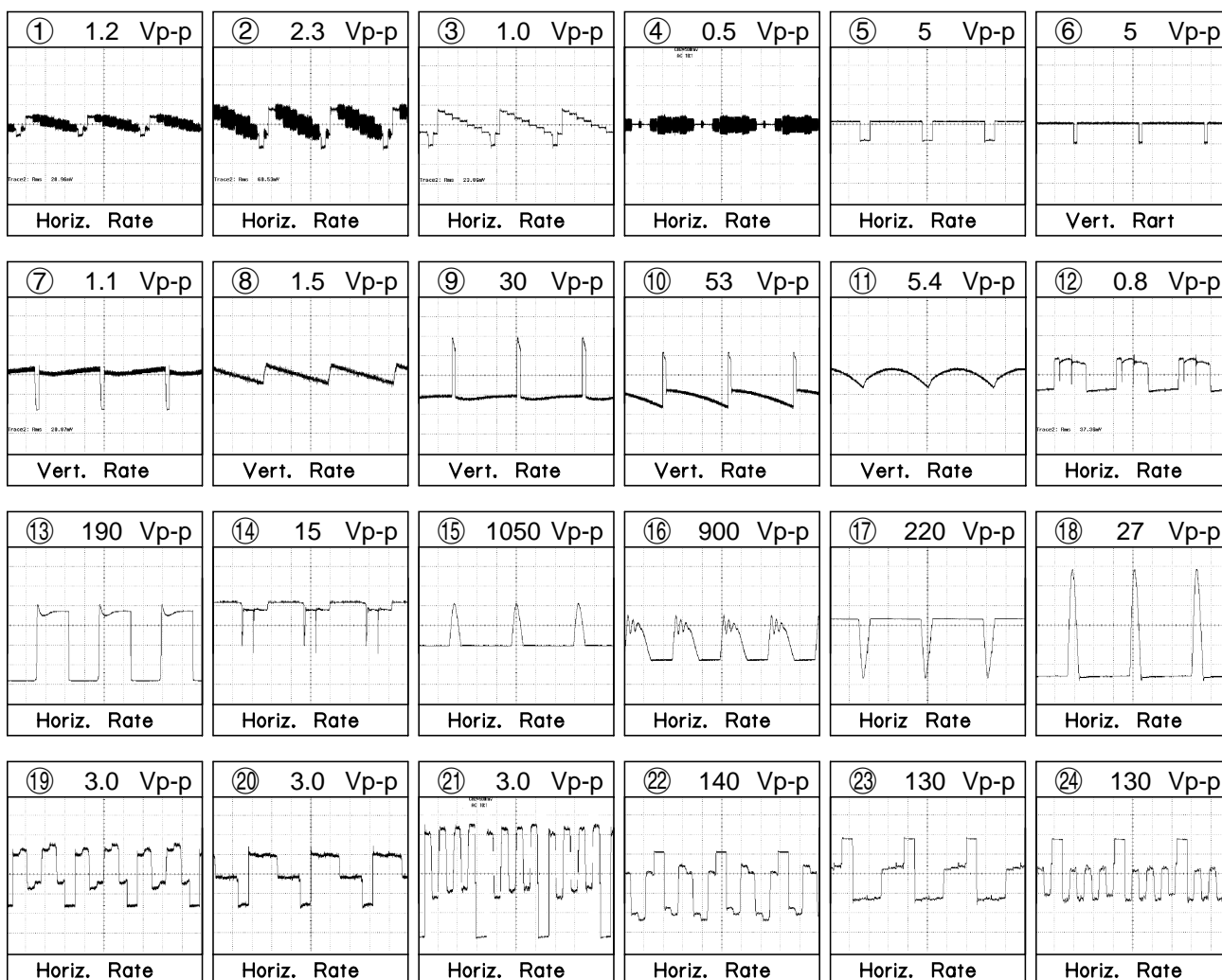
1. Photographs taken on a standard gated color bar signal, the tint setting adjusted for proper color. The wave shapes at the red, green and blue cathodes of the picture tube depend on the tint, color level and picture control.
2. \bullet indicates waveform check points (See chart, waveforms are measured from point indicated to chassis ground.)

\triangle AND SHADED () COMPONENTS = SAFETY RELATED PARTS.

\blacktriangle MARK= X-RAY RELATED PARTS.

This circuit diagram is a standard one, printed circuits may be subject to change for product improvement without prior notice.

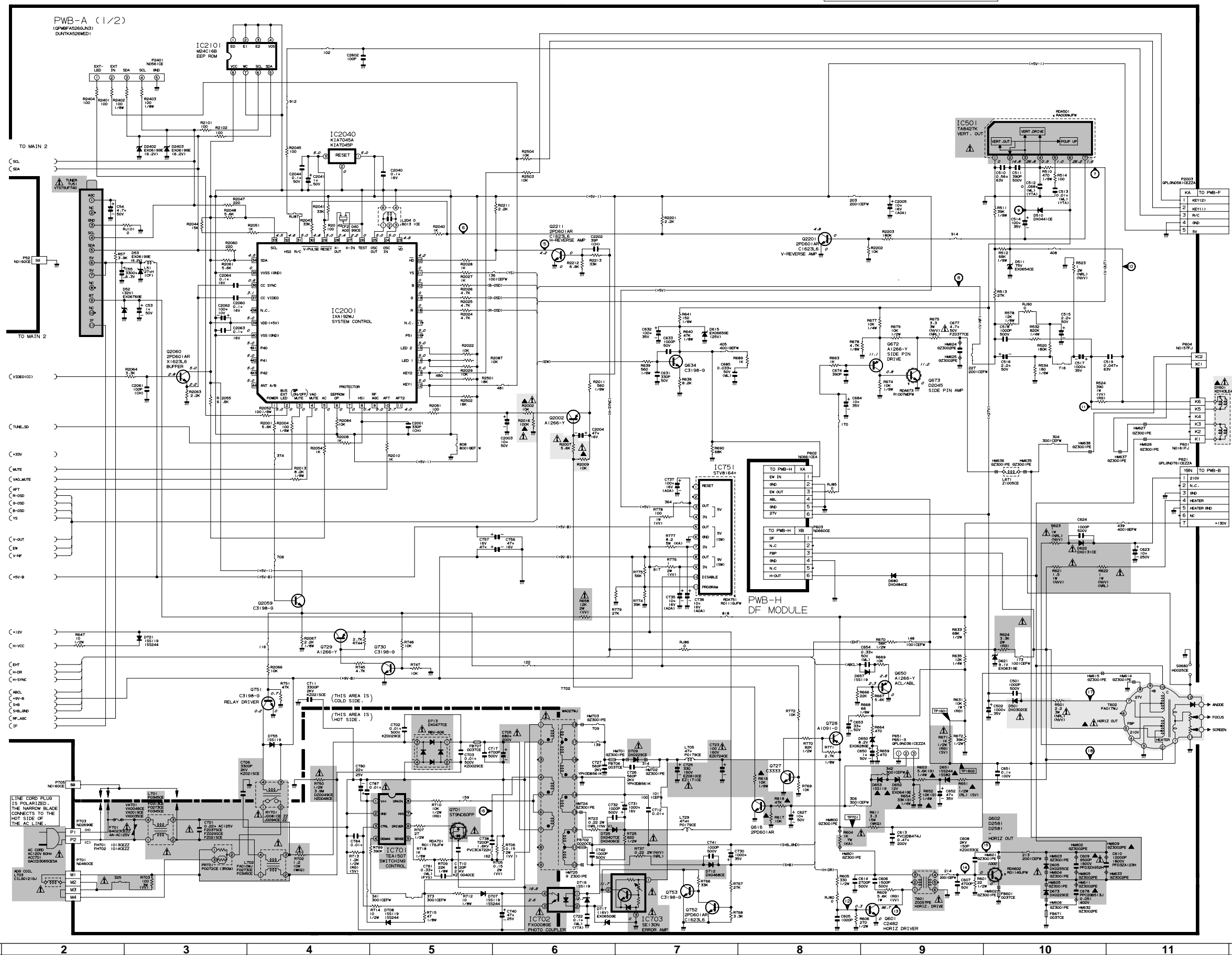
WAVEFORMS



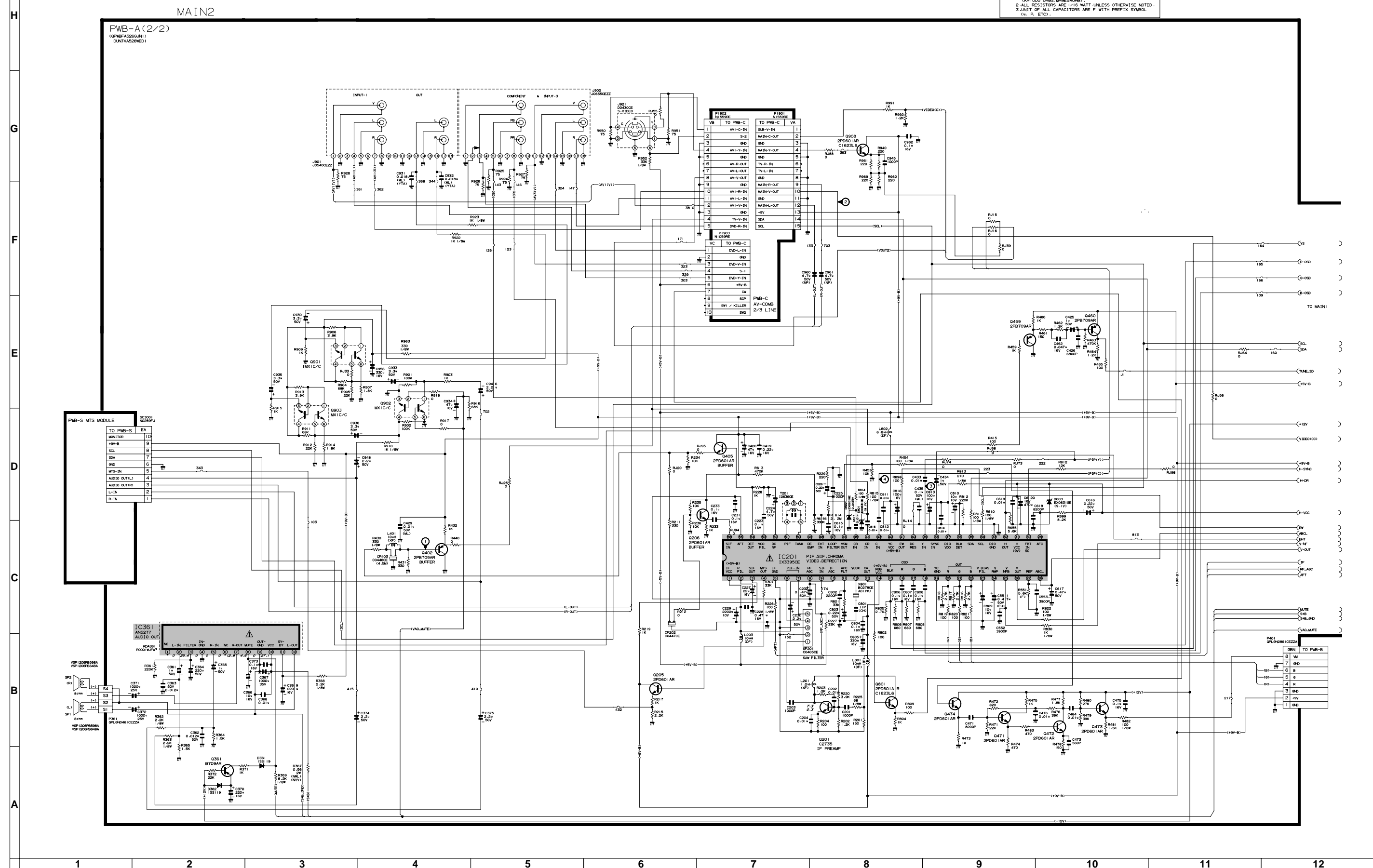
MODEL 32U-F500 SCHEMATIC DIAGRAM: MAIN-1 Unit

MAIN

NOTE: 1. THE UNIT OF RESISTANCE "OHM" IS OMITTED
(K=1000 OHMS, M=MEGAOHM).
2. ALL RESISTORS ARE 1/16 WATT UNLESS OTHERWISE NOTED.
3. UNIT OF ALL CAPACITORS ARE F WITH PREFIX SYMBOL
(u, P, ETC).



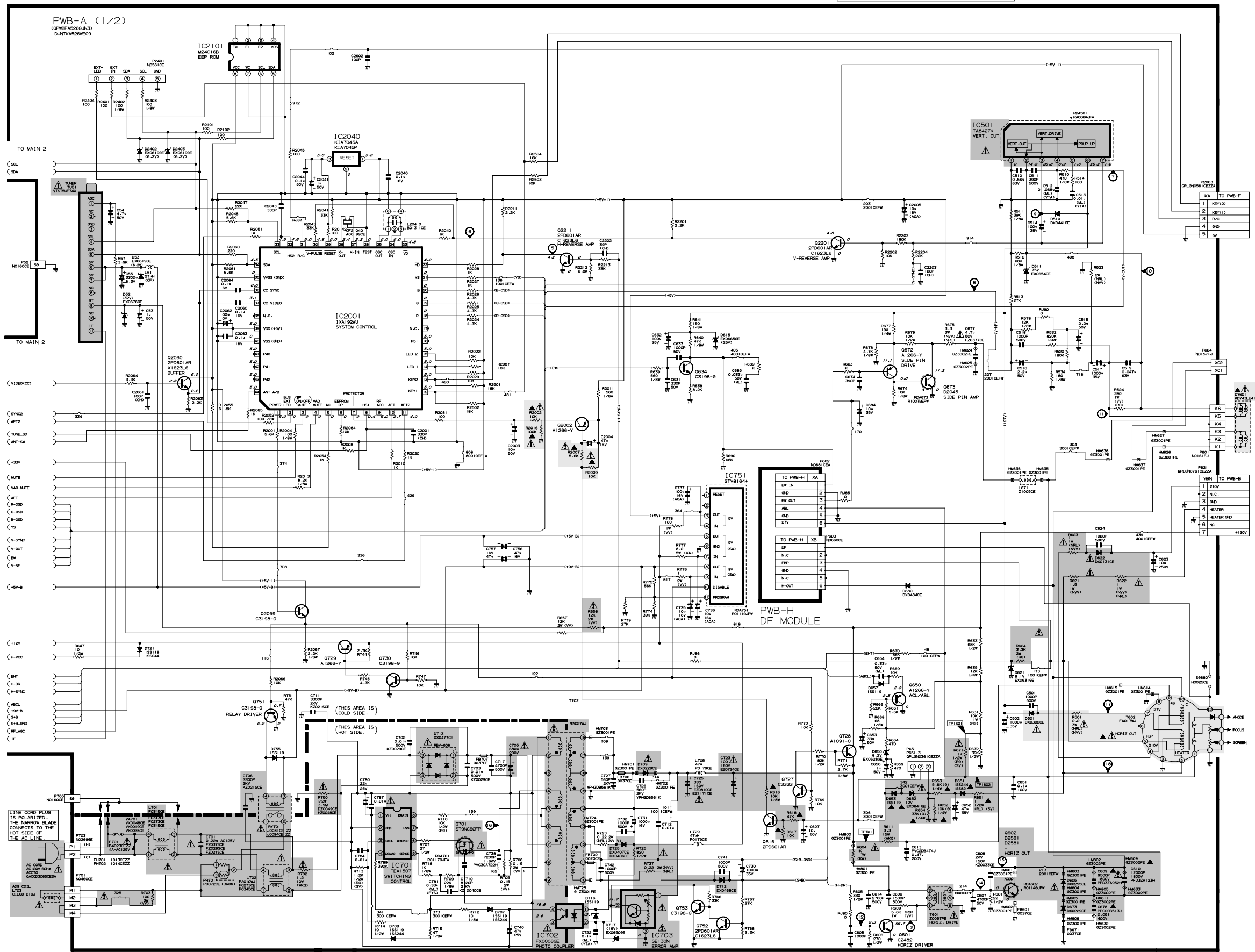
MODEL 32U-F500 SCHEMATIC DIAGRAM: MAIN-2 Unit



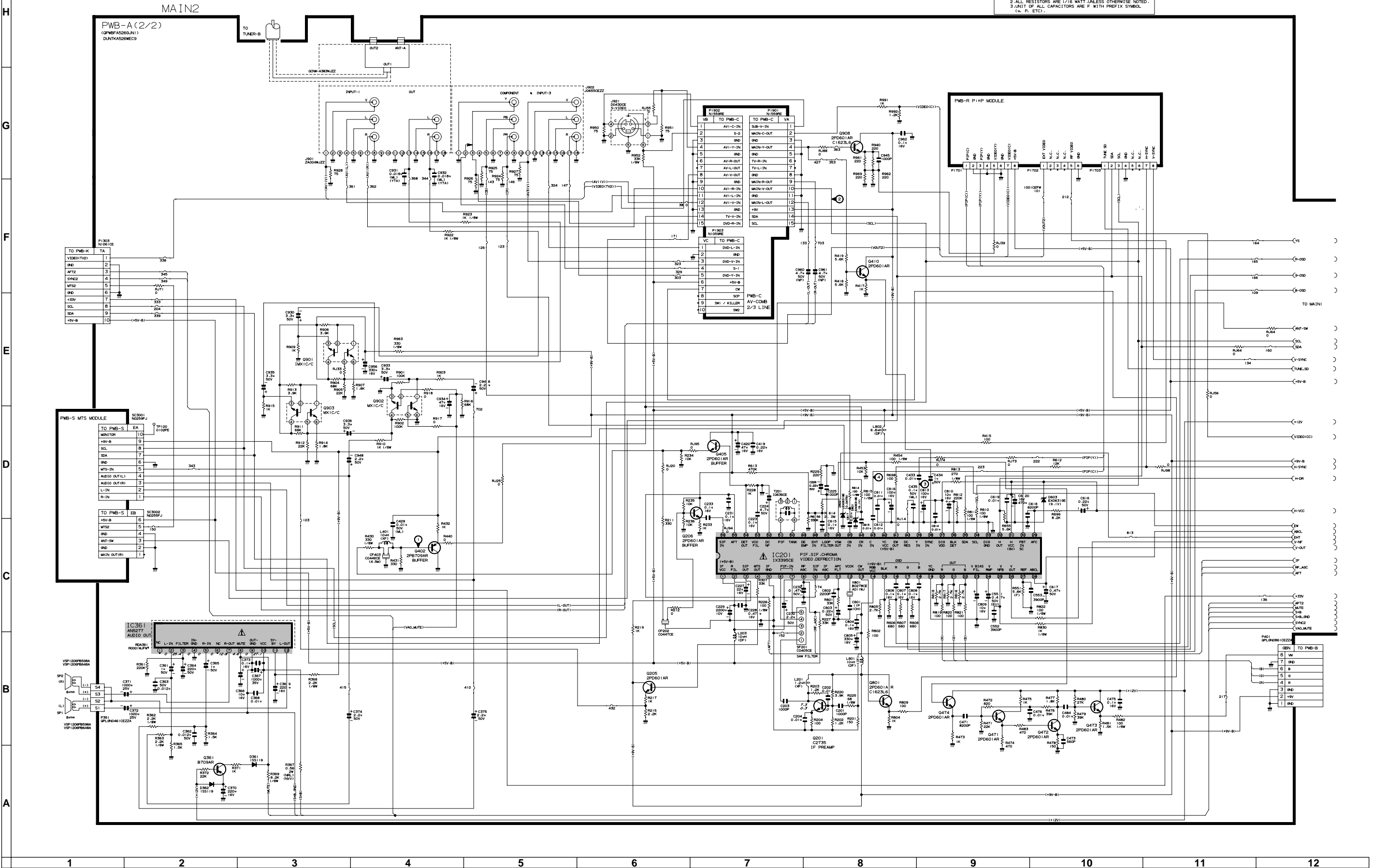
MODEL 32U-F810 SCHEMATIC DIAGRAM: MAIN-1 Unit

MAIN

NOTE: 1. THE UNIT OF RESISTANCE "OHM" IS OMITTED
(K=1000 OHMS, M=MEGAOHM).
2. ALL RESISTORS ARE 1/16 WATT, UNLESS OTHERWISE NOTED
3. UNIT OF ALL CAPACITORS ARE F WITH PREFIX SYMBOL
(u, P, ETC).



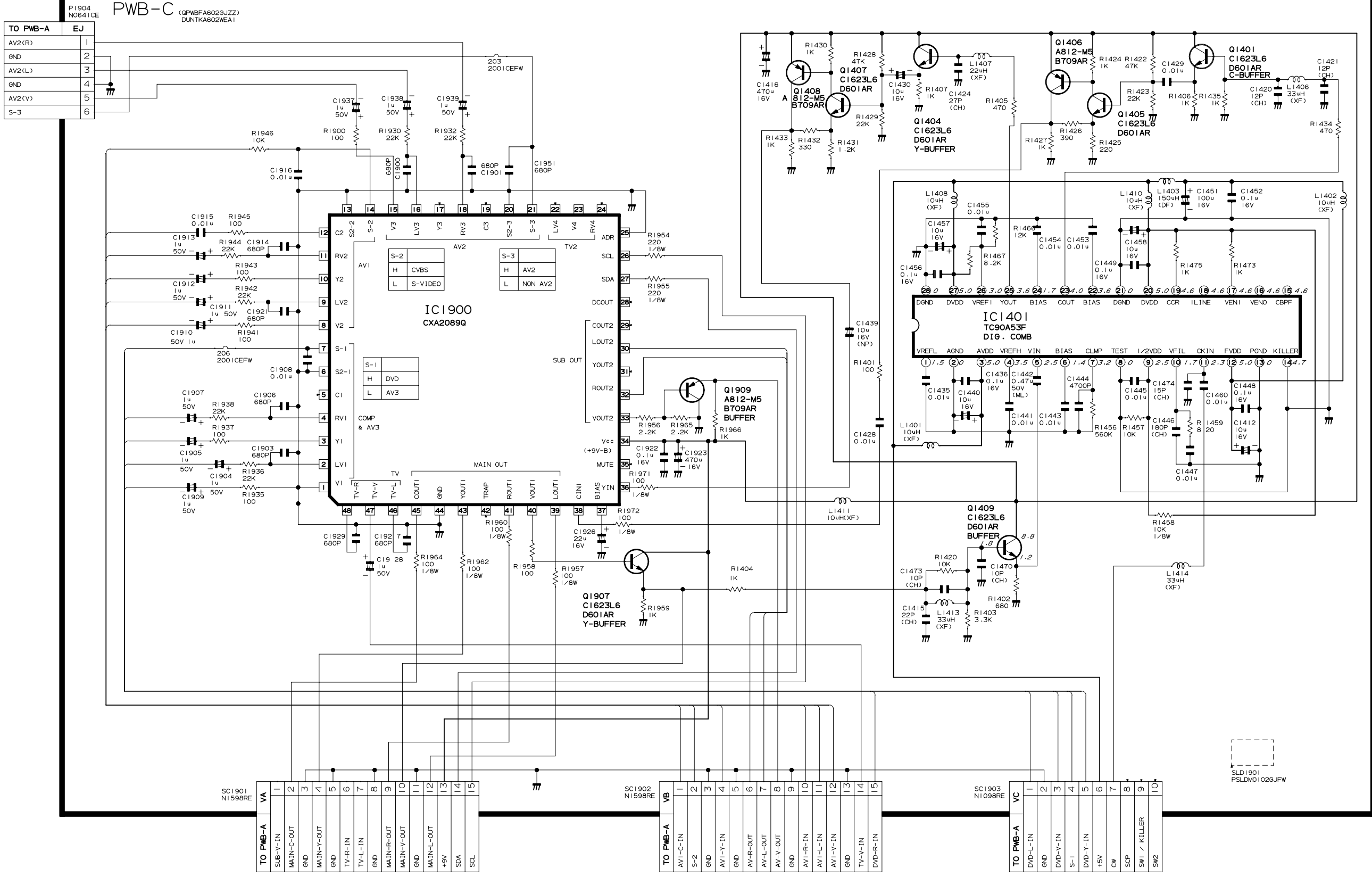
MODEL 32U-F810 SCHEMATIC DIAGRAM: MAIN-2 Unit



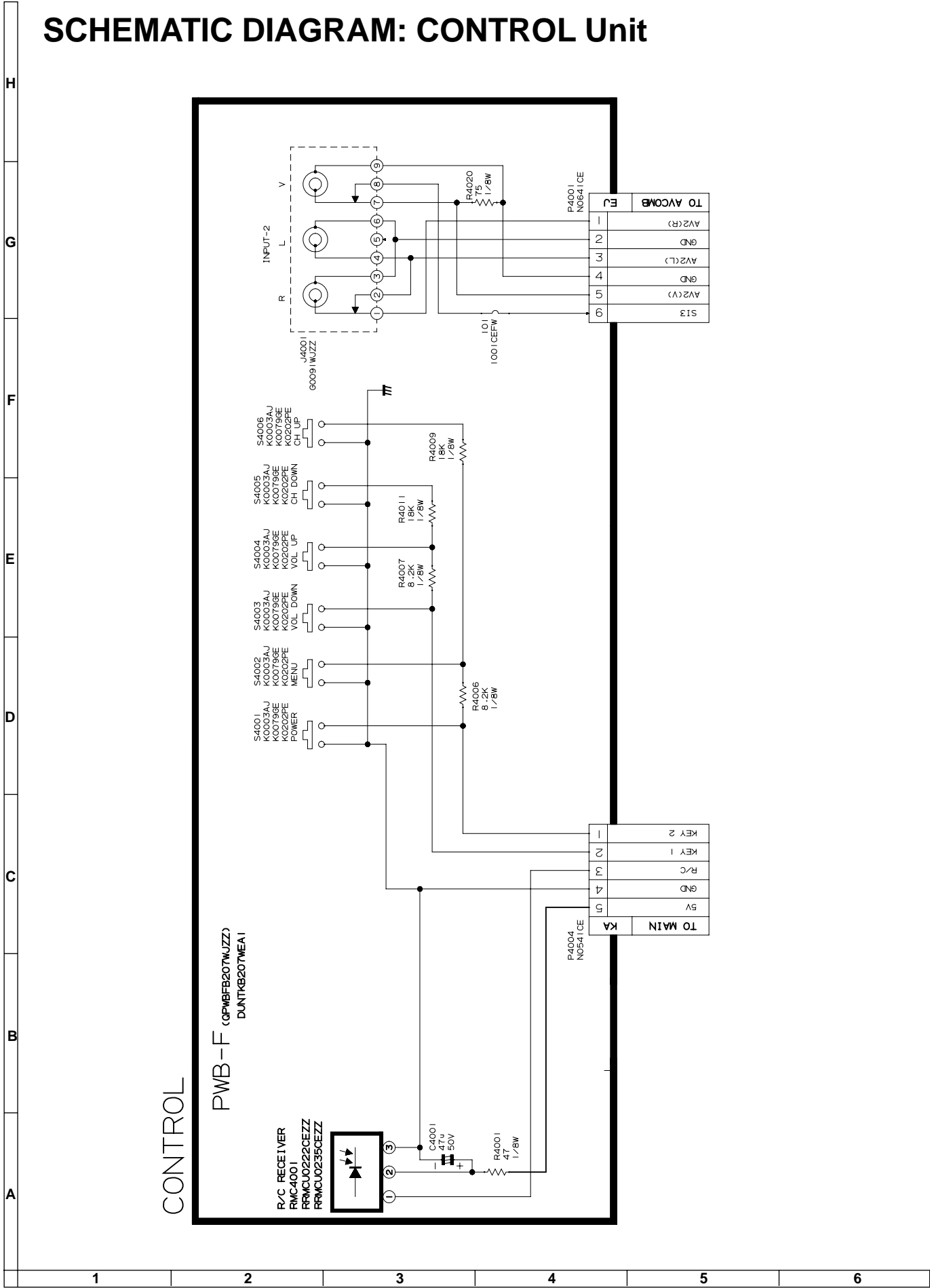
SCHEMATIC DIAGRAM: AV Unit

AV-COMB (3 LINE)

NOTE: 1. THE UNIT OF RESISTANCE "OHM" IS OMITTED
(K=1000 OHMS, M=MEGAOHM) .
2. ALL RESISTORS ARE 1/16 WATT UNLESS OTHERWISE NOTED .
3. UNIT OF ALL CAPACITORS ARE F WITH PREFIX SYMBOL
(u, P, ETC) .



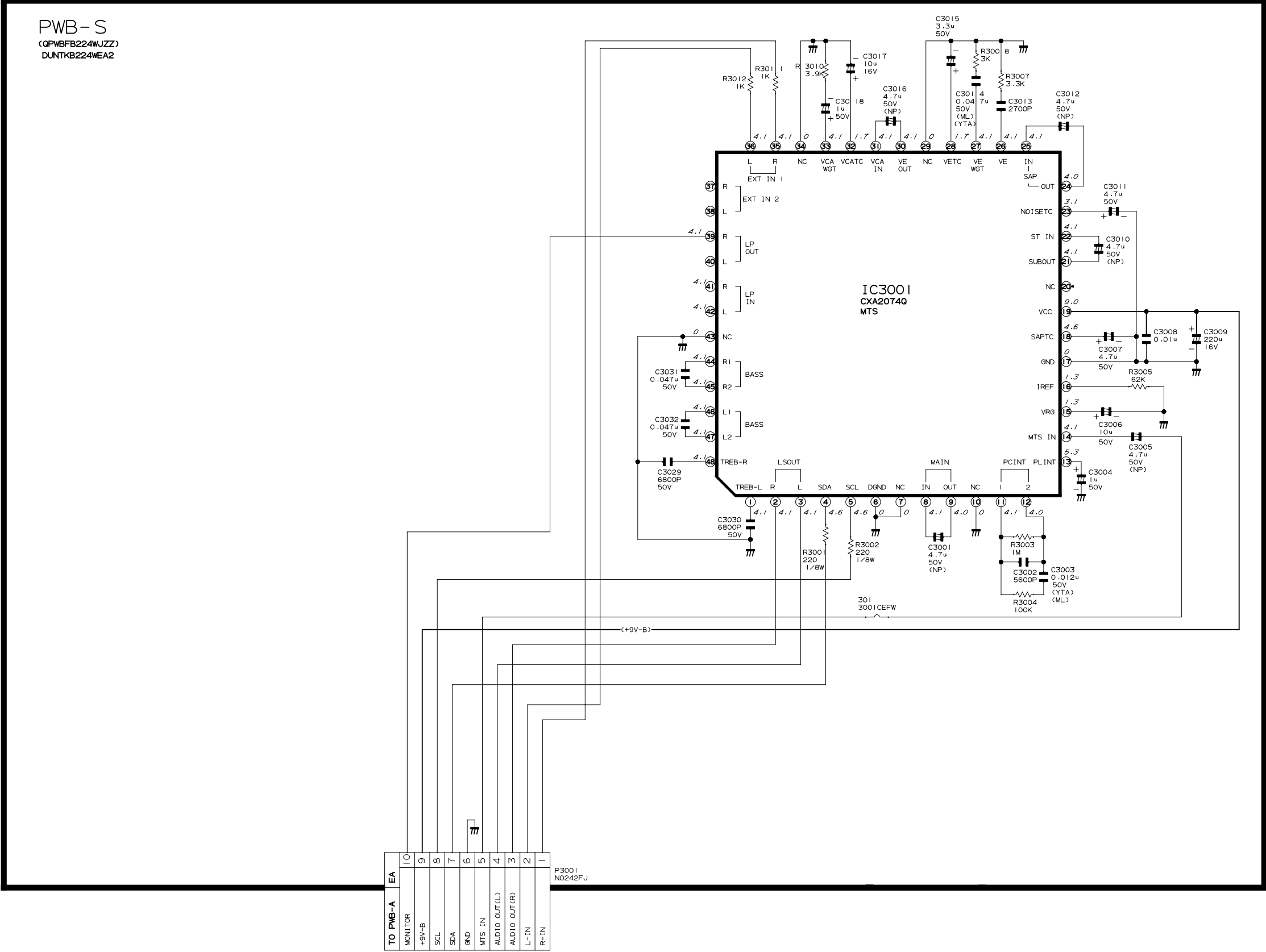
SCHEMATIC DIAGRAM: CONTROL Unit



MODEL 32U-F500 SCHEMATIC DIAGRAM: MTS Unit

MTS & S.P. MODULE

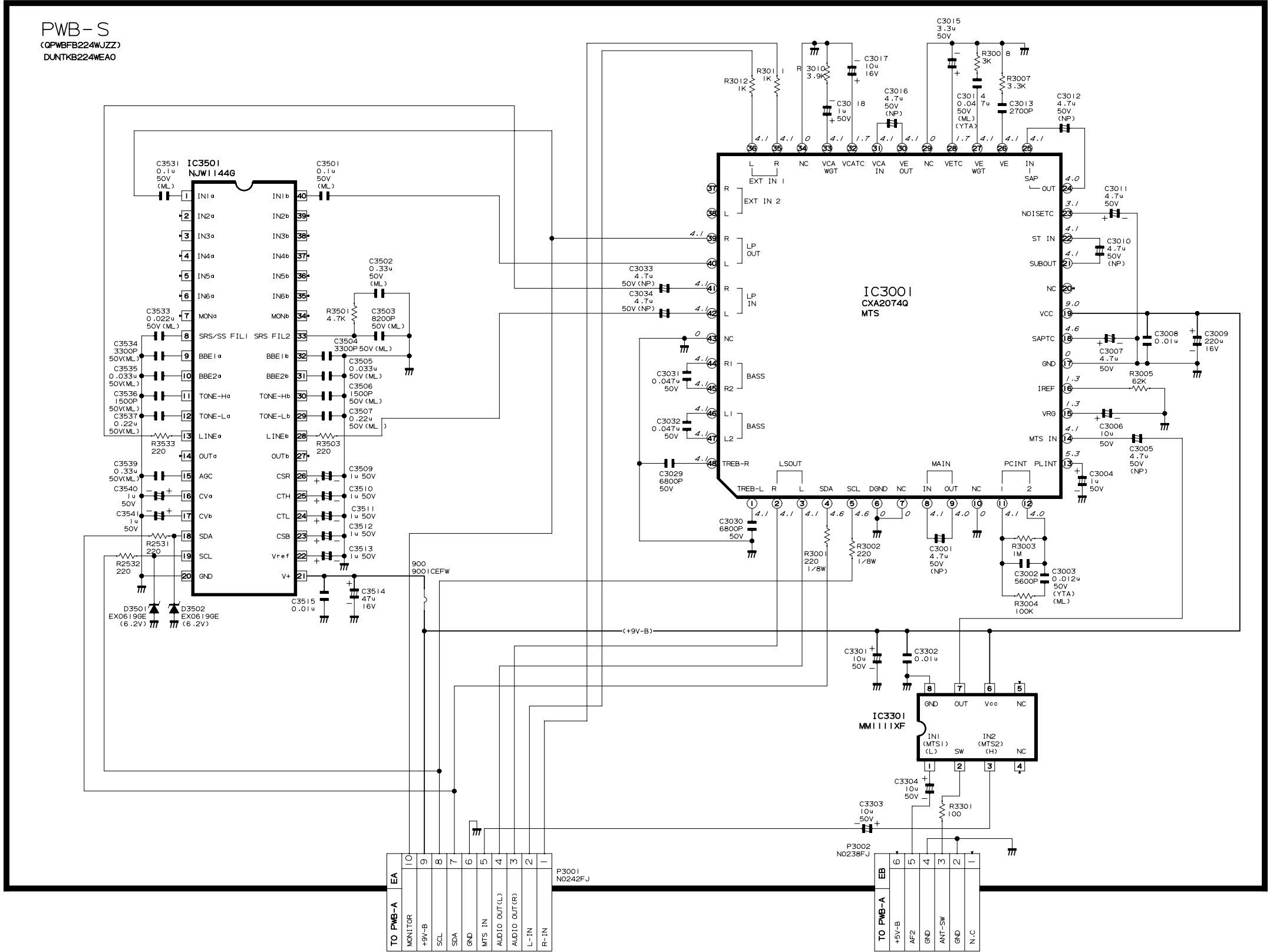
NOTE: 1. THE UNIT OF RESISTANCE "OHM" IS OMITTED
(K=1000 OHMS, M=MEGAOHM).
2. ALL RESISTORS ARE 1/16 WATT UNLESS OTHERWISE NOTED.
3. UNIT OF ALL CAPACITORS ARE F WITH PREFIX SYMBOL
(u, P, ETC).



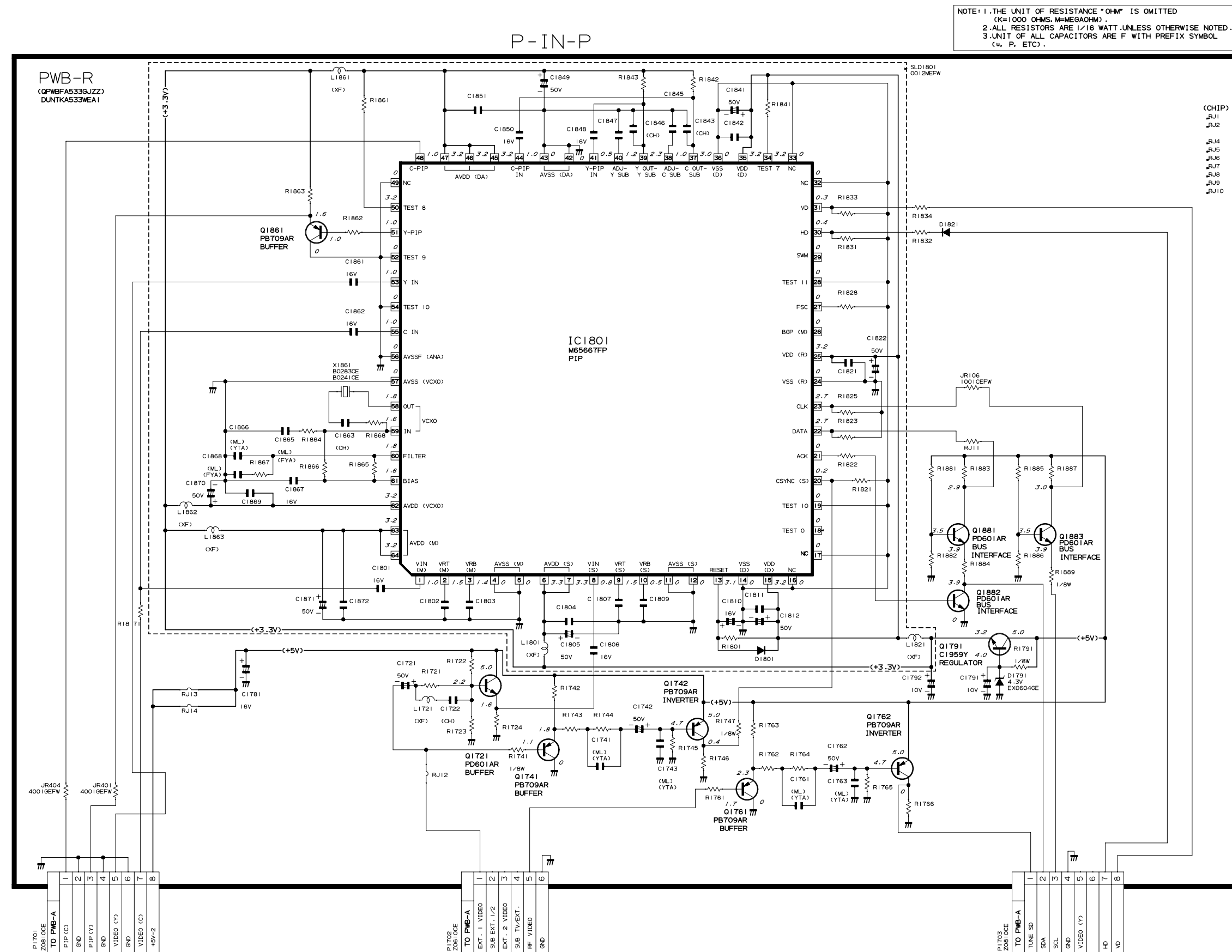
MODEL 32U-F810 SCHEMATIC DIAGRAM: MTS Unit

MTS & S.P. MODULE

NOTE: 1. THE UNIT OF RESISTANCE "OHM" IS OMITTED
(K=1000 OHMS, M=MEGA OHM).
2. ALL RESISTORS ARE 1/16 WATT UNLESS OTHERWISE NOTED.
3. UNIT OF ALL CAPACITORS ARE F WITH PREFIX SYMBOL
(u, P, ETC).



MODEL 32U-F810 SCHEMATIC DIAGRAM: P-IN-P Unit

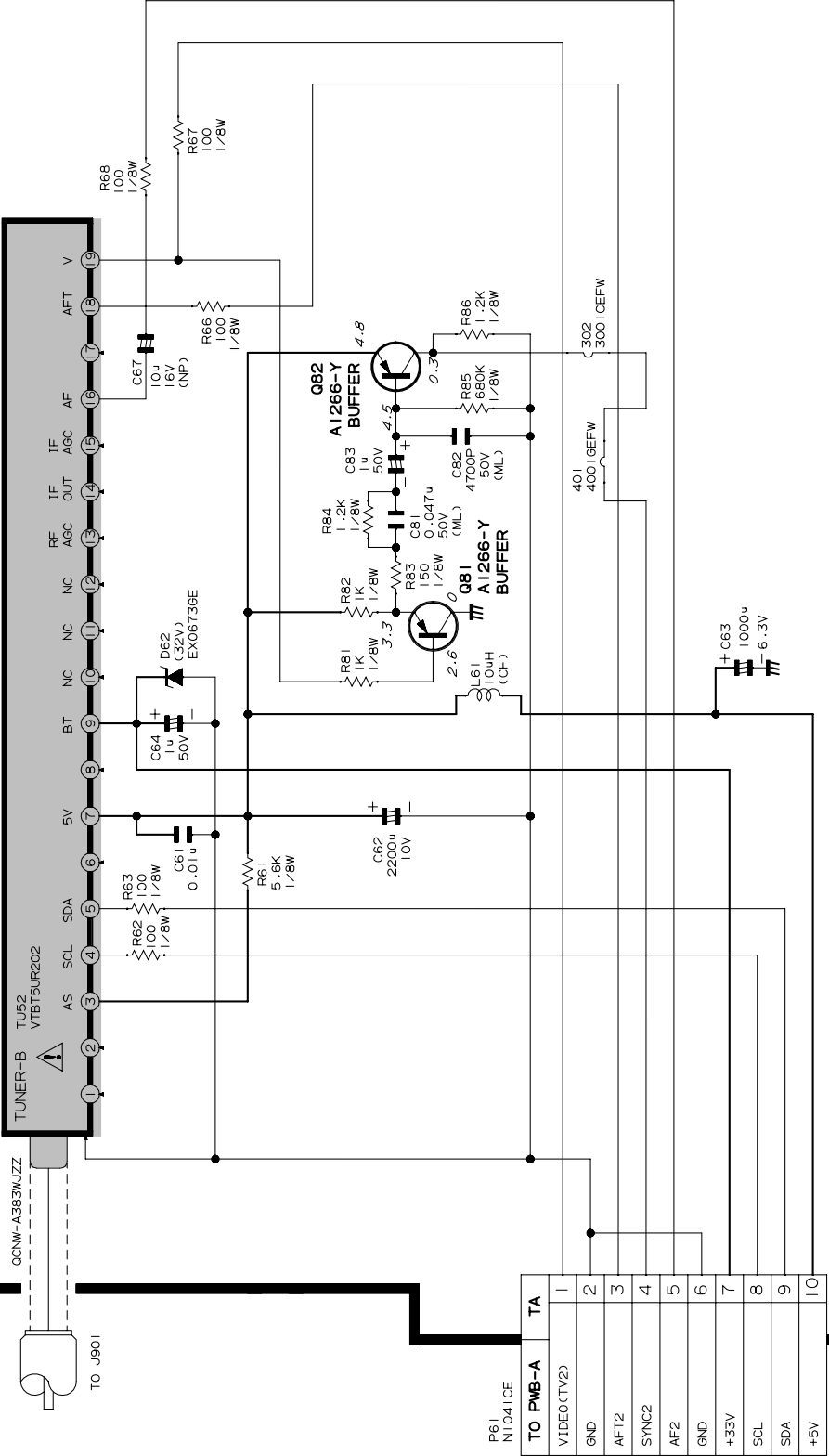


MODEL 32U-F810 SCHEMATIC DIAGRAM: 2-TUNER Unit

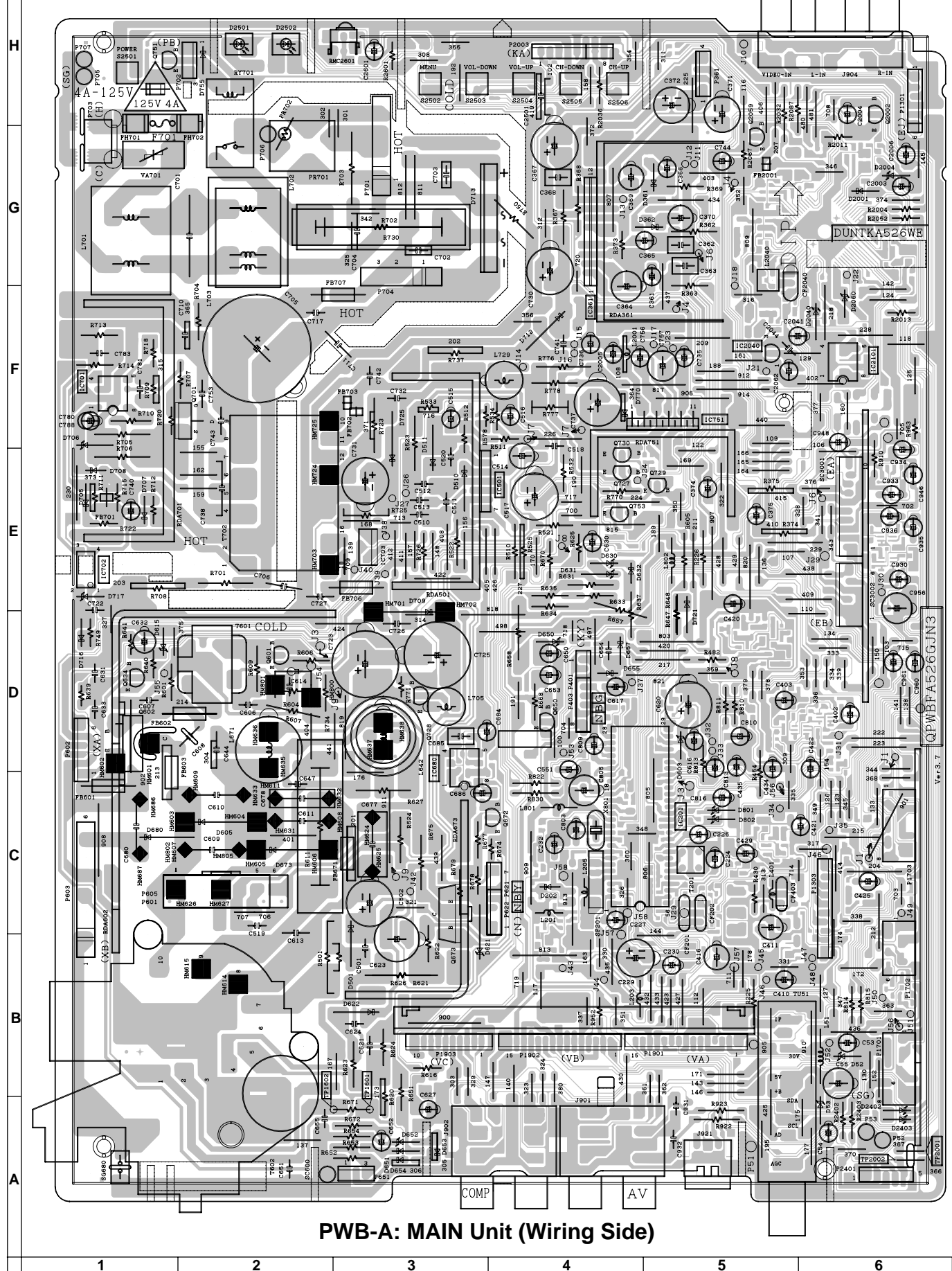
NOTE: 1. THE UNIT OF RESISTANCE "OHM" IS OMITTED
(K=1000 OHMS, M=MEGAOHM).
2. ALL RESISTORS ARE 1/16 WATT UNLESS OTHERWISE NOTED.
3. UNIT OF ALL CAPACITORS ARE P WITH PREFIX SYMBOL
(u, P, ETC).

TUNER (2ND)

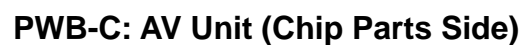
PWB-K
(QPBFB223WJZZ)
DUNTKB223WEAO

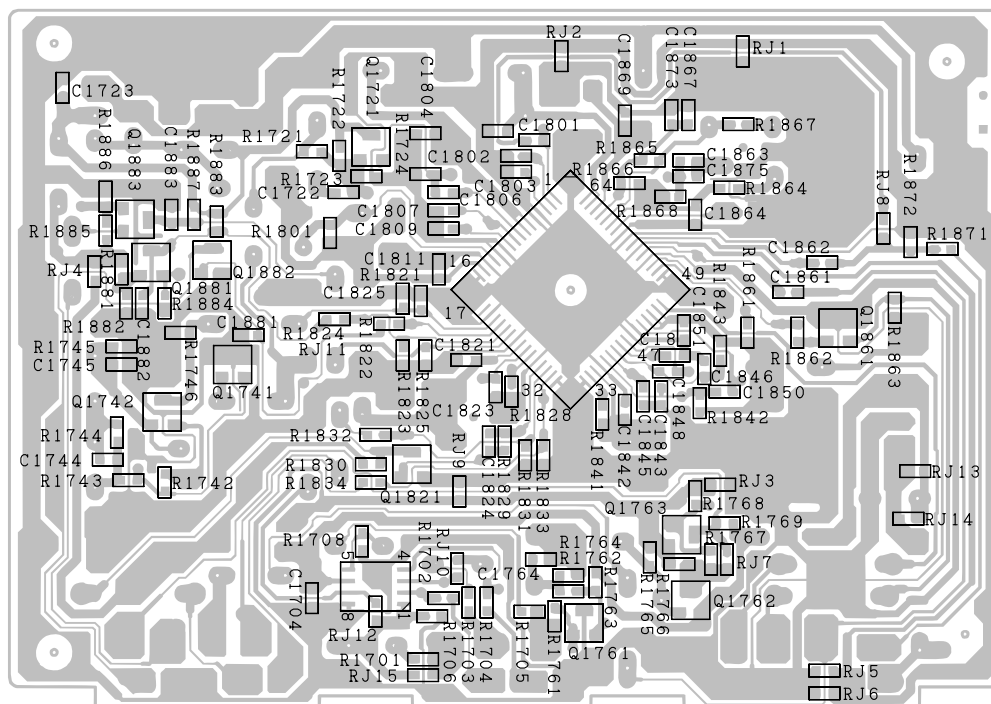
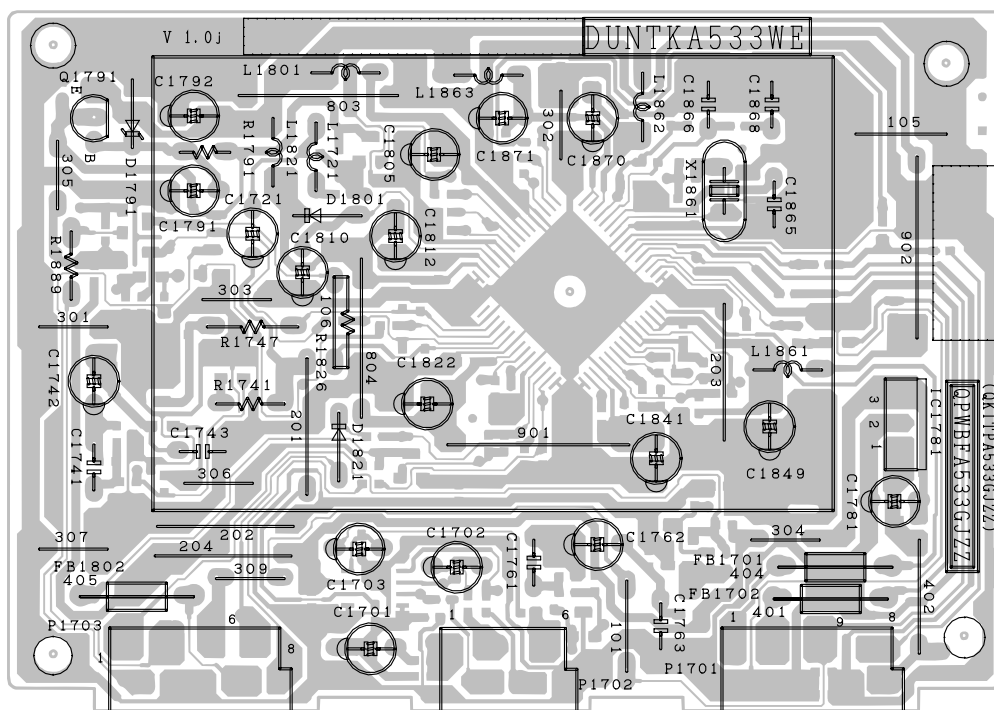


PRINTED WIRING BOARD ASSEMBLIES

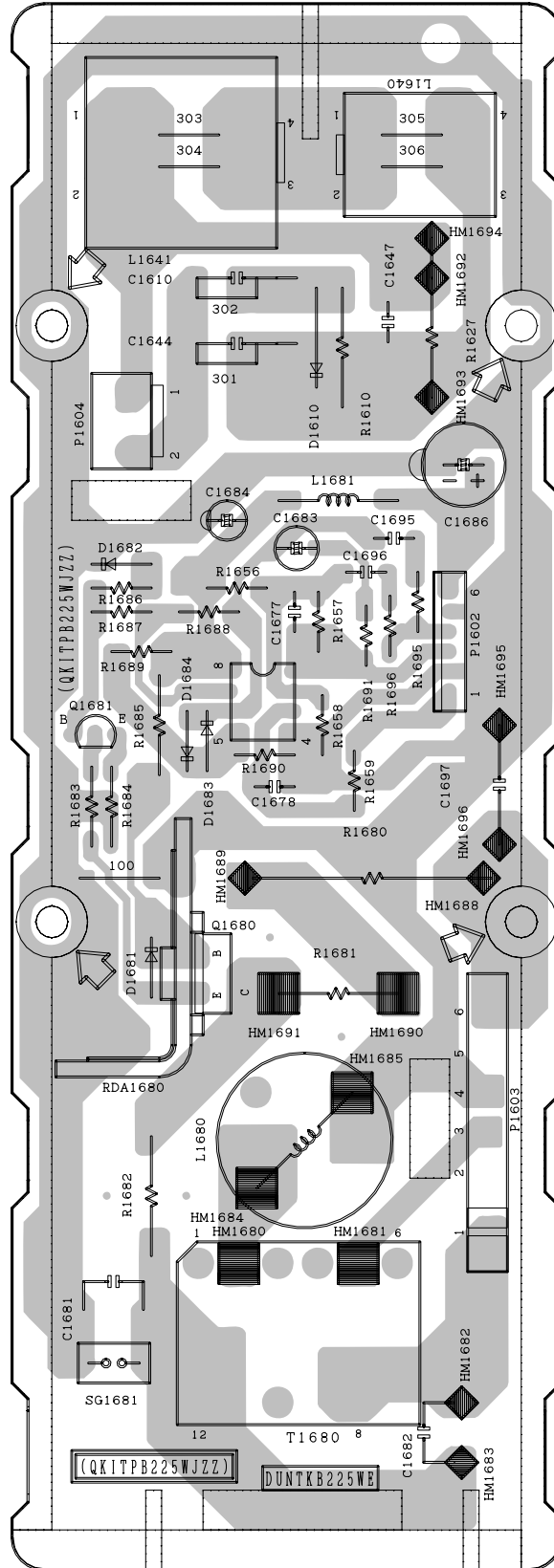


39





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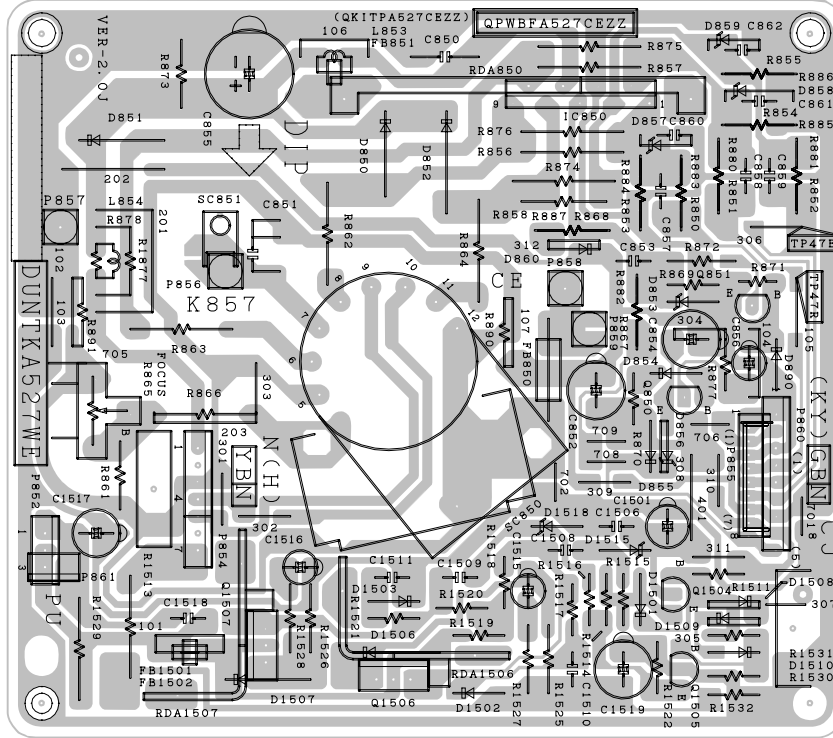


PWB-H: DF MODULE Unit (Wiring Side)

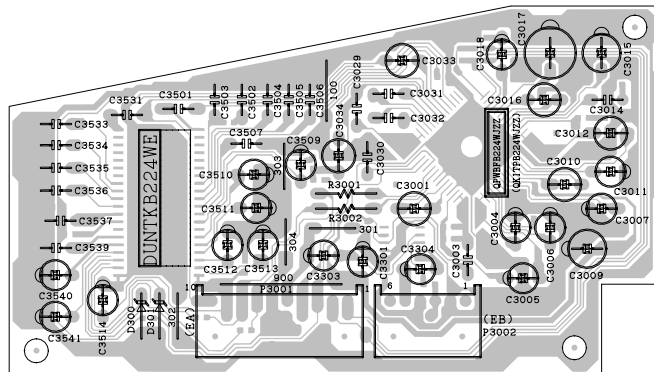
1 2 3 4 5 6

PWB-F: CONTROL Unit (Wiring Side)

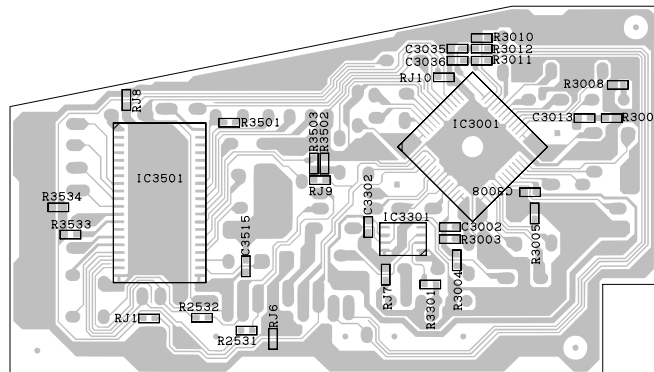
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PWB-B: CRT Unit (Wiring Side)



PWB-S: MTS Unit (Wiring Side)



PWB-S: MTS Unit (Chip Parts Side)

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual ; electrical components having such features are identified by Δ and shaded areas in the Replacement Parts Lists and Schematic Diagrams. The use of a substitute replacement part which does not have the same safety characteristic as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

- | | |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. NO. |
| 3. PART NO. | 4. DESCRIPTION |

in **USA**: Contact your nearest SHARP Parts Distributor to order. For location of SHARP Parts Distributor, Please call Toll-Free; 1-800-BE-SHARP

★ MARK: SPARE PARTS-DELIVERY SECTION

▲ MARK: X-RAY RELATED PARTS

Ref. No.	Part No.	★	Description	Code
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PICTURE TUBE

▲ Δ V101	VB80AJZ90X+1E	X	Picture Tube (With D.Y)	DB
Δ L703	RCiLG0121GJZZ	X	Degaussing Coil	AU
	LHLDW0102GJKZ	X	Wire Holder, x4	AC
Δ	QEARCA006WJZZ	X	Grounding Strap	AH

PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

32U-F500

PWB-A DUNTKA526WED1	-	MAIN Unit	—
PWB-B DUNTKA527WEB5	-	CRT Unit	—
PWB-C DUNTKA602WEA1	-	AV Unit	—
PWB-F DUNTKB207WEA1	-	CONTROL Unit	—
PWB-H DUNTKB225WEA0	-	DF MODULE Unit	—
PWB-S DUNTKB224WEA2	-	MTS Unit	—

32U-F810

PWB-A DUNTKA526WEC9	-	MAIN Unit	—
PWB-B DUNTKA527WEB5	-	CRT Unit	—
PWB-C DUNTKA602WEA1	-	AV Unit	—
PWB-F DUNTKB207WEA1	-	CONTROL Unit	—
PWB-H DUNTKB225WEA0	-	DF MODULE Unit	—
PWB-K DUNTKB223WEA0	-	2-TUNER Unit	—
PWB-R DUNTKA533WEA1	-	P-IN-P Unit	—
PWB-S DUNTKB224WEA0	-	MTS Unit	—

Ref. No.	Part No.	★	Description	Code
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PWB-A: DUNTKA526WED1(32U-F500) PWB-A: DUNTKA526WEC9(32U-F810) MAIN UNIT

TUNER

NOTE: THE PARTS HERES SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

Δ TU51	VTUVTST5UF740	X	Tuner	AX
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INTEGRATED CIRCUITS

Δ IC201	RH-iX3395CEN2	J	TB1252CN	AY
Δ IC361	VHiAN5277//1	J	AN5277	AN
Δ IC501	VHiTA8427K/-1	J	TA8427K	AL
Δ IC701	VHiTEA1507/-1	J	TEA1507P/N1	AL
Δ IC702	RH-FX0008GEZZ	J	PC123FY8	AE
Δ IC703	VHiSE130N//1	J	SE130N	AF
	IC751 VHiSTV8164+-1	X	I.C.	AM
	IC2001 RH-iXA192WJZZ	X	TMPA8700CSF	
	IC2040 VHiKiA7045A-1	J	KIA7045AP	AE
	or			
	VHiKiA7045P-1			
IC2101	VHiM24C16B/-1	J	M24C16-B6	AG

TRANSISTORS

Q201	VS2SC2735//1E	J	2SC2735//	AC
Q205	VS2PD601AR/-1	J	2PD601AR	AB
Q206	VS2PD601AR/-1	J	2PD601AR	AB
Q361	VS2PB709AR/-1	J	2PB709AR	AB
Q402	VS2PB709AR/-1	J	2PB709AR	AB
Q405	VS2PD601AR/-1	J	2PD601AR	AB
Q410	VS2PD601AR/-1	J	2PD601AR (32U-F810)	AB
Q459	VS2PB709AR/-1	J	2PB709AR (32U-F500)	AB
Q460	VS2PB709AR/-1	J	2PB709AR (32U-F500)	AB
Q471	VS2PD601AR/-1	J	2PD601AR	AB
Q472	VS2PD601AR/-1	J	2PD601AR	AB
Q473	VS2PD601AR/-1	J	2PD601AR	AB
Q474	VS2PD601AR/-1	J	2PD601AR	AB
Q601	VS2SC2482//1	J	2SC2482	AD
Δ Q602	VS2SD2581++2E	J	2SD2581++	AM
	or			
	VS2SD2646++1E			
Q616	VS2PD601AR/-1	J	2PD601AR	AB
Q634	VS2SC3198-G-1	J	2SC3198-G	AA
Q650	VS2SA1266-Y-1	J	2SA1266-Y	AA
Q672	VS2SA1266-Y-1	J	2SA1266-Y	AA
Q673	VS2SD2045//1	J	2SD2045	AL
Δ Q701	VSST9NC60FP1E	X	ST9NC60FP	AP
Q727	VS2SC3333//1	J	2SC3333	AG
Q728	VS2SA1091-O1A	J	2SA1091	AA
Q729	VS2SA1266-Y-1	J	2SA1266-Y	AA
Q730	VS2SC3198-G-1	J	2SC3198-G	AA
Q751	VS2SC3198-G-1	J	2SC3198-G	AA
Q752	VS2PD601AR/-1	J	2PD601AR	AB
	or			
	VS2SC1623L61E			
Q753	VS2SC3198-G-1	J	2SC3198-G	AA
Q801	VS2PD601AR/-1	J	2PD601AR	AB
	or			
	VS2SC1623L61E			
Q901	VSIMX1C/C//1	J	IMX1C/C//	AB
Q902	VSIMX1C/C//1	J	IMX1C/C//	AB
Q903	VSIMX1C/C//1	J	IMX1C/C//	AB
Q908	VS2PD601AR/-1	J	2PD601AR	AB
	or			
	VS2SC1623L61E			
Q2002	VS2SA1266-Y-1	J	2SA1266-Y	AA
Q2059	VS2SC3198-G-1	J	2SC3198-G	AA
Q2060	VS2PD601AR/-1	J	2PD601AR	AB
	or			
	VS2SC1623L61E			
Q2201	VS2PD601AR/-1	J	2PD601AR	AB
	or			
	VS2SC1623L61E			

Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTKA526WED1(32U-F500)				
PWB-A: DUNTKA526WEC9(32U-F810)				
MAIN UNIT (Continued)				
Q2211	VS2PD601AR/-1	J	2PD601AR	AB
	or			
	VS2SC1623L61E			
DIODES				
D52	RH-EX0676GEZZ	J	Zener Diode, 32V	AA
D53	RH-EX0619GEZZ	J	Zener Diode, 6.2V	AA
D361	VHD1SS119// -1	J	Diode	AB
D362	VHD1SS119// -1	J	Diode	AB
△ D501	RH-DX0302CEZZ	J	Diode	AC
D510	RH-DX0441CEZZ	J	Diode	AC
D511	RH-EX0654CEZZ	J	Zener Diode, 75V	AD
D603	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA
D605	RH-DX0255CEZZ	J	Diode	AC
D615	RH-EX0665GEZZ	J	Zener Diode, 25V	AA
D621	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA
△ D622	RH-DX0131CEZZ	J	Diode	AC
D630	RH-EX0647GEZZ	J	Zener Diode, 15V	AA
D631	RH-EX0647GEZZ	J	Zener Diode, 15V	AA
D632	VHD1SS119// -1	J	Diode	AB
D650	RH-EX0628GEZZ	J	Zener Diode, 8.2V	AC
▲△ D651	VHD1SS244// -1	J	Diode	AB
	or			
	VHD1SS82/// -1			
▲△ D652	RH-EX0641GEZZ	J	Zener Diode, 12V	AA
▲△ D653	VHD1SS119// -1	J	Diode	AB
D655	VHD1SS119// -1	J	Diode	AB
D657	VHD1SS119// -1	J	Diode	AB
D673	RH-DX0229CEZZ	J	Diode	AF
D680	RH-DX0484CEZZ	J	Diode	AE
D707	VHD1SS119// -1	J	Diode	AB
	or			
	VHD1SS244// -1			
D708	VHD1SS119// -1	J	Diode	AB
	or			
	VHD1SS244// -1			
△ D709	RH-DX0229CEZZ	J	Diode	AF
△ D712	RH-DX0468CEZZ	J	Diode	AE
△ D713	RH-DX0477CEZZ	J	Diode	AF
D716	VHD1SS119// -1	J	Diode	AB
D717	RH-EX0650GEZZ	J	Zener Diode, 16V	AB
D721	VHD1SS119// -1	J	Diode	AB
	or			
	VHD1SS244// -1			
△ D725	RH-DX0407CEZZ	J	Diode	AD
	or			
	RH-DX0468CEZZ			
D755	VHD1SS119// -1	J	Diode	AB
D801	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA
D802	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA
D2402	RH-EX0619GEZZ	J	Zener Diode, 6.2V	AA
D2403	RH-EX0619GEZZ	J	Zener Diode, 6.2V	AA
△ VA701	RH-VX0019CEZZ	J	Varistor	AC
	or			
	RH-VX0048CEZZ			
	or			
	RH-VX0035CEZZ			
PACKAGED CIRCUITS				
△ PR701	RMPTP0072CEZZ	J	Packaged Circuit	AH
X801	RCRSAA011WJZZ	X	Crystal	AG
	or			
	RCRSB0278CEZZ			
FILTERS AND COILS				
CF202	RFiLC0447CEZZ	J	Ceramic Filter	AD
CF403	RFiLC0446CEZZ	J	Ceramic Filter	AD
CF2040	RFiLA0099CEZZ	J	Ceramic Filter	AE
SF201	RFiLC0405CEZZ	J	SAW Filter	AH
L51	VP-CF270K0000	J	Peaking 27μH	AB
L201	VP-XF1R2K0000	J	Peaking 1.2μH	AB

Ref. No.	Part No.	★	Description	Code														
L203	VP-DF100K0000	J	Peaking 10μH	AB														
L401	VP-XF100K0000	J	Peaking 10μH	AB														
L671	RCiLZ1005CEZZ	J	Coil	AH														
△ L701	RCiLF0345CEZZ	J	Coil	AH														
	or																	
	RCiLF0313CEZZ																	
	or																	
	RCiLF0273CEZZ																	
	or																	
	RCiLF0345CEZZ																	
△ L702	RCiLF0345CEZZ	J	Coil	AH														
	or																	
	RCiLF0273CEZZ																	
	or																	
	RCiLFA010WJZZ																	
L705	RCiLP0179CEZZ	J	Coil	AD														
L729	RCiLP0179CEZZ	J	Coil	AD														
L801	VP-DF100K0000	J	Peaking 10μH	AB														
L802	VP-DF6R8K0000	J	Peaking 6.8μH	AB														
L2040	RCiLB0131CEZZ	J	Oscillation Coil	AE														
TRANSFORMERS																		
T201	RCiLi0636CEZZ	X	IF Coil	AH														
△ T601	RTRNZ0057PEZZ	R	Transformer	AK														
▲ △ T602	RTRNFA017WJZZ	X	H-Volt Transformer	AY														
△ T702	RTRNWA027WJZZ	X	Transformer	AP														
	or																	
	RTRNWA005GJN1																	
	or																	
	RTRNWA005GJZZ																	
<table><tr><td></td><td>T702</td><td>D706</td><td>R711</td></tr><tr><td rowspan="3">COMB1- NATION</td><td>W0005GJZZ</td><td>EX0644GE (13V)</td><td>470K (1/8W)</td></tr><tr><td>W0005GJN1</td><td>-</td><td>390K (1/8K)</td></tr><tr><td>WA027WJZZ</td><td>-</td><td>390K (1/8W)</td></tr></table>						T702	D706	R711	COMB1- NATION	W0005GJZZ	EX0644GE (13V)	470K (1/8W)	W0005GJN1	-	390K (1/8K)	WA027WJZZ	-	390K (1/8W)
	T702	D706	R711															
COMB1- NATION	W0005GJZZ	EX0644GE (13V)	470K (1/8W)															
	W0005GJN1	-	390K (1/8K)															
	WA027WJZZ	-	390K (1/8W)															
CAPACITORS																		
[EL... Electrolytic, M-Poly... Metalized Polypro Film]																		
C53	VCEA0A1HW105M	J	1 50V	EL. AB														
C54	VCEA0A1HW475M	J	4.7 50V	EL. AB														
C55	VCEA0A0JW338M	J	3300 6.3V	EL. AD														
C201	VCKYCY1HB102K	J	1000p 50V	Ceramic AA														
C202	VCKYCY1HB103K	J	0.01 50V	Ceramic AA														
C203	VCKYCY1HB102K	J	1000p 50V	Ceramic AA														
C204	VCKYCY1HB103K	J	0.01 50V	Ceramic AA														
C223	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA														
C224	VCEA0A1HW475M	J	4.7 50V	EL. AB														
C225	VCKYCY1HB102K	J	1000p 50V	Ceramic AA														
C226	VCEA0A1HW224M	J	0.22 50V	EL. AB														
C227	VCEA0A1CW226M	J	22 16V	EL. AB														
C228	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA														
C229	VCEA0A1AW228M	J	2200 10V	EL. AD														
C230	VCEA0A1HW225M	J	2.2 50V	EL. AB														
C231	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA														
C232	VCEA0A1HW474M	J	0.47 50V	EL. AB														
C233	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA														
C361	VCEA0A1HW105M	J	1 50V	EL. AB														
C362	VCQYTA1HM123J	J	0.012 50V	Mylar AA														
C363	VCQYTA1HM123J	J	0.012 50V	Mylar AA														
C364	VCEA0A1HW227M	J	220 50V	EL. AC														
C365	VCEA0A1HW105M	J	1 50V	EL. AB														
C366	VCEA0A1CW106M	J	10 16V	EL. AB														
C367	VCEA0A1VW108M	J	1000 35V	EL. AD														
C368	VCKYPA1HF103Z	J	0.01 50V	Ceramic AA														
C369	VCEA0A1CW227M	J	220 16V	EL. AC														
C370	VCEA0A1CW227M	J	220 16V	EL. AC														
C371	VCEA0A1EW108M	J	1000 25V	EL. AD														
C372	VCEA0A1EW108M	J	1000 25V	EL. AD														
C373	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA														
C374	VCEA0A1HW225M	J	2.2 50V	EL. AB														
C375	VCEA0A1HW225M	J	2.2 50V	EL. AB														
C419	VCKYCY1CF224Z	J	0.22 16V	Ceramic AA														
C420	VCEA0A1CW476M	J	47 16V	EL. AB														
C425	VCEA0A1HW105M	J	1 50V	EL. (32U-F500) AB														

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTKA526WED1(32U-F500)					PWB-A: DUNTKA526WEC9(32U-F810)				
MAIN UNIT									
C426	VCKYCY1HB682K	J	6800p 50V (32U-F500)	Ceramic AA	C711	RC-KZ021SCEZZ	J	3300p 2kV	Ceramic AE
C429	VCQYTA1HM103J	J	0.01 50V	Mylar AA	C712	VCKYCY1HB103K	J	0.01 50V	Ceramic AA
C433	VCKYCY1HB103K	J	0.01 50V	Ceramic AA	C717	VCKYPA2HB472K	J	4700p 500V	Ceramic AB
C434	VCEA0A1HW105M	J	1 50V	EL. AB	C722	VCQYTA1HM104J	J	0.1 50V	Mylar AA
C435	VCQYTA1HM104J	J	0.1 50V	Mylar AA	△ C723	RC-EZ0724CEZZ	J	100 160V	EL. AG
C462	VCKYCY1CB473K	J	0.047 16V (32U-F500)	Ceramic AA	△ C725	RC-EZ0810CEZZ	J	330 160V	EL. AH
C471	VCKYCY1HB822K	J	8200p 50V	Ceramic AB	or				
C473	VCKYCY1HB561K	J	560p 50V	Ceramic AA	C726	RC-EZ1171CEZZ	J	560p 2kV	Ceramic AC
C475	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA	C727	VCKYPH3DB561K	J	560p 2kV	Ceramic AC
C476	VCKYCY1HB103K	J	0.01 50V	Ceramic AA	C730	VCEA4A1VN108M	J	1000 35V	EL. AD
C484	VCKYCY1HB103K	J	0.01 50V	Ceramic AA	C731	RC-EZ0385CEZZ	J	1000 16V	EL. AE
C501	VCKYPA2HB102K	J	1000p 500V	Ceramic AA	C732	VCKYPA2HB102K	J	1000p 500V	Ceramic AA
C502	VCEA0A1VW108M	J	1000 35V	EL. AD	C735	VCEA0A1CW106M	J	10 16V	EL. AB
C510	VCFYSA1JB564J	J	0.56 63V	Mylar AE	C736	VCEA0A1CW106M	J	10 16V	EL. AB
C511	VCKYPA2HB391K	J	390p 500V	Ceramic AA	C737	VCEA0A1CW107M	J	100 16V	EL. AC
C512	VCQYTA1HM683J	J	0.068 50V	Mylar AB	C738	VCFPVC3CA722H	J	7200p 1.6kV	M-Poly. AF
C513	VCQYTA1HM103J	J	0.01 50V	Mylar AA	C740	VCEA0A1EW476M	J	47 25V	EL. AB
C514	VCEA0A1VW107M	J	100 35V	EL. AC	C741	VCKYPA2HB102K	J	1000p 500V	Ceramic AA
C515	VCEACA1HC225J	J	2.2 50V	EL. AC	C742	VCKYPA2HB102K	J	1000p 500V	Ceramic AA
C516	VCEACA1HC225J	J	2.2 50V	EL. AC	C756	VCEA0A1CW476M	J	47 16V	EL. AB
C517	VCEA0A1VW108M	J	1000 35V	EL. AD	C757	VCEA0A1CW476M	J	47 16V	EL. AB
C518	VCKYPA2HB102K	J	1000p 500V	Ceramic AA	C780	VCEA9M1EW226M	J	22 25V	EL. AB
C519	VCFYSA1JB473J	J	0.047 63V	Mylar AC	C781	VCFYFA1HA334J	J	0.33 50V	Mylar AB
C551	VCEACA1HC474M	J	0.47 50V	EL. AB	C784	VCKYCY1HF103Z	J	0.01 50V	Ceramic AA
C552	VCKYCY1HB392K	J	3900p 50V	Ceramic AA	C787	VCKYCY1HF103Z	J	0.01 50V	Ceramic AA
C553	VCKYCY1HB392K	J	3900p 50V	Ceramic AA	C801	VCCCCY1HH110J	J	11p 50V	Ceramic AA
C605	VCKYCY1HB102K	J	1000p 50V	Ceramic AA	C802	VCKYCY1HB222K	J	2200p 50V	Ceramic AA
C606	VCKYPA2HB152K	J	1500p 500V	Ceramic AA	C803	VCEA0A1HW224M	J	0.22 50V	EL. AB
C607	VCKYPA1HB472K	J	4700p 50V	Ceramic AA	C804	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
C608	RC-KZ0033CEZZ	J	150p 2kV	Ceramic AB	C805	VCEA0A1CW337M	J	330 16V	EL. AC
△△ C609	VCFPFD3ZA952H	X	9500p 1.8kV	M-Poly. AD	C806	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
△△ C610	VCFPFD3ZA123H	X	0.012 1.8kV	M-Poly. AE	C807	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
C613	VCFPVC2DB474J	J	0.47 200V	M-Poly. AE	C808	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
C614	VCKYPA2HB272K	J	2700p 500V	Ceramic AA	C809	VCEA0A1CW106M	J	10 16V	EL. AB
C615	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA	C810	VCEA0A1CW106M	J	10 16V	EL. AB
C616	VCEA0A1HW224M	J	0.22 50V	EL. AB	C811	VCKYCY1HB103K	J	0.01 50V	Ceramic AA
C617	VCEA0A1HW474M	J	0.47 50V	EL. AB	C812	VCKYCY1HB103K	J	0.01 50V	Ceramic AA
C618	VCKYCY1HB822K	J	8200p 50V	Ceramic AB	C813	VCEA0A1CW107M	J	100 16V	EL. AC
C619	VCKYCY1HB103K	J	0.01 50V	Ceramic AA	C814	VCKYCY1HB103K	J	0.01 50V	Ceramic AA
C620	VCEA0A1CW477M	J	470 16V	EL. AC	C815	VCKYCY1HB103K	J	0.01 50V	Ceramic AA
C623	VCEA4A2EN106M	J	10 250V	EL. AD	C816	VCEA0A1CW107M	J	100 16V	EL. AC
C624	VCKYPA2HB102K	J	1000p 500V	Ceramic AA	C817	VCKYCY1HB103K	J	0.01 50V	Ceramic AA
C627	VCEA0A1HW106M	J	10 50V	EL. AB	C930	VCEA0A1HW335M	J	3.3 50V	EL. AB
C631	VCKYPA1HB331K	J	330p 50V	Ceramic AA	C931	VCQYTA1HM183J	J	0.018 50V	Mylar AB
C632	VCEA0A1VW107M	J	100 35V	EL. AC	C932	VCQYTA1HM183J	J	0.018 50V	Mylar AB
C633	VCKYPA1HB102K	J	1000p 50V	Ceramic AA	C933	VCEA0A1HW335M	J	3.3 50V	EL. AB
C650	VCEA0A1HW105M	J	1 50V	EL. AB	C934	VCEA0A1CW476M	J	47 16V	EL. AB
C651	VCQYTA2AA104K	J	0.1 100V	Mylar AB	C935	VCEA0A1HW335M	J	3.3 50V	EL. AB
C652	VCEA0A1VW476M	J	47 35V	EL. AB	C936	VCEA0A1HW335M	J	3.3 50V	EL. AB
C653	VCEA0A1HW336M	J	33 50V	EL. AB	C945	VCKYCY1HB102K	J	1000p 50V	Ceramic AA
C654	VCFYFA1HA334J	J	0.33 50V	Mylar AB	C946	VCEA0A1HW225M	J	2.2 50V	EL. AB
C674	VCCCCY1HH391J	J	390p 50V	Ceramic AA	C948	VCEA0A1HW225M	J	2.2 50V	EL. AB
C677	RC-FZ0377CEZZ	J	4.7 50V	Mylar AF	C956	VCEA0A1CW337M	J	330 16V	EL. AC
△△ C678	VCQPPC2GB513J	X	0.051 400V	Mylar AE	C960	VCE9GA1HW475M	J	4.7 50V	EL. (N.P) AB
C684	VCEA0A1VW106M	J	10 35V	EL. AB	C961	VCE9GA1HW475M	J	4.7 50V	EL. (N.P) AB
C685	VCQYTA1HM333J	J	0.033 50V	Mylar AA	C962	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
△ C701	RC-FZ029SCEZZ	X	0.22 AC250V	Plastic AE	C2001	VCCCCY1HH331J	J	330p 50V	Ceramic AA
or					C2003	VCEA0A1HW106M	J	10 50V	EL. AB
RC-FZ037SCEZZ					C2004	VCEA0A1CW476M	J	47 16V	EL. AB
or					C2005	VCEA0A1CW106M	J	10 16V	EL. AB
RC-FZ021SCEZZ					C2040	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
C702	RC-KZ0029CEZZ	J	0.01 500V	Ceramic AC	C2041	VCEA0A1HW105M	J	1 50V	EL. AB
C703	RC-KZ0029CEZZ	J	0.01 500V	Ceramic AC	C2043	VCCCCY1HH331J	J	330p 50V (32U-F810)	Ceramic AA
△ C705	RC-EZ0720CEZZ	J	680 200V	EL. AN	C2044	VCQYTA1HM104J	J	0.1 50V	Mylar AA
or					C2060	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
RC-EZ0801CEZZ					C2061	VCCCCY1HH101J	J	100p 50V	Ceramic AA
or					C2062	VCEA0A1AW107M	J	100 10V	EL. AB
RC-EZ0722CEZZ					C2063	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
△ C706	RC-KZ021SCEZZ	J	3300p 2kV	Ceramic AE	C2064	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
C710	RC-KZ0040CEZZ	J	820p 2kV	Ceramic AD	C2202	VCCCCY1HH390J	J	39p 50V	Ceramic AA
					C2203	VCCCCY1HH101J	J	100p 50V (32U-F810)	Ceramic AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTKA526WED1(32U-F500)									
PWB-A: DUNTKA526WEC9(32U-F810)									
MAIN UNIT									
RESISTORS									
<i>[M-Ox.--- Metal Oxide, M-Film--- Metal Film]</i>									
RJ13	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R228	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
RJ14	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R229	VRS-CY1JF221J	J 220	1/16W M-Ox.	AA
RJ15	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R233	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
			(32U-F500)		R234	VRS-CY1JF103J	J 10k	1/16W M-Ox.	AA
RJ16	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R235	VRS-CY1JF103J	J 10k	1/16W M-Ox.	AA
			(32U-F500)		R236	VRS-CY1JF103J	J 10k	1/16W M-Ox.	AA
RJ17	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R307	VRS-CY1JF333J	J 33k	1/16W M-Ox.	AA
RJ20	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R361	VRS-CY1JF224J	J 220k	1/16W M-Ox.	AA
RJ24	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R362	VRD-RA2BE222J	J 2.2k	1/8W Carbon	AA
			(32U-F810)		R363	VRD-RA2BE222J	J 2.2k	1/8W Carbon	AA
RJ25	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R364	VRS-CY1JF152J	J 1.5k	1/16W M-Ox.	AA
RJ27	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R365	VRS-CY1JF152J	J 1.5k	1/16W M-Ox.	AA
RJ28	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R367	VRN-RL3DBR56J+	X 0.56	2W M-Film	AE
			(32U-F500)		R368	VRD-RA2BE222J	J 2.2k	1/8W Carbon	AA
RJ32	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R369	VRD-RA2BE822J	J 8.2k	1/8W Carbon	AA
RJ33	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R371	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
RJ35	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R372	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
RJ39	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R415	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
RJ40	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R417	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
RJ41	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA				(32U-F810)	
RJ46	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R418	VRS-CY1JF562J	J 5.6k	1/16W M-Ox.	AA
RJ47	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA				(32U-F810)	
RJ52	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R419	VRS-CY1JF562J	J 5.6k	1/16W M-Ox.	AA
RJ53	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA				(32U-F810)	
RJ54	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R430	VRD-RA2BE331J	J 330	1/8W Carbon	AA
RJ55	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R431	VRS-CY1JF331J	J 330	1/16W M-Ox.	AA
RJ56	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R432	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
RJ60	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R440	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
RJ64	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R453	VRS-CY1JF103J	J 10k	1/16W M-Ox.	AA
			(32U-F810)		R454	VRD-RA2BE101J	J 100	1/8W Carbon	AB
RJ65	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R459	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
RJ66	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA				(32U-F500)	
RJ68	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R460	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
			(32U-F500)					(32U-F500)	
RJ71	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R461	VRS-CY1JF151J	J 150	1/16W M-Ox.	AA
			(32U-F810)					(32U-F500)	
RJ73	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R462	VRS-CY1JF122J	J 1.2k	1/16W M-Ox.	AA
RJ74	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA				(32U-F500)	
RJ78	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R463	VRS-CY1JF474J	J 470k	1/16W M-Ox.	AA
RJ79	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA				(32U-F500)	
RJ80	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R464	VRS-CY1JF122J	J 1.2k	1/16W M-Ox.	AA
RJ81	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA				(32U-F500)	
RJ82	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R465	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
RJ83	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA				(32U-F500)	
RJ84	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R471	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
RJ85	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R472	VRS-CY1JF821J	J 820	1/16W M-Ox.	AA
RJ86	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R473	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
RJ87	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R474	VRS-CY1JF471J	J 470	1/16W M-Ox.	AA
RJ88	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R475	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
RJ90	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R476	VRS-CY1JF393J	J 39k	1/16W M-Ox.	AA
RJ94	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R477	VRS-CY1JF182J	J 1.8k	1/16W M-Ox.	AA
RJ95	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R478	VRS-CY1JF151J	J 150	1/16W M-Ox.	AA
RJ97	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R479	VRS-CY1JF393J	J 39k	1/16W M-Ox.	AA
RJ98	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R480	VRS-CY1JF273J	J 27k	1/16W M-Ox.	AA
RJ101	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R481	VRS-CY1JF152J	J 1.5k	1/16W M-Ox.	AA
R57	VRS-CY1JF392J	J 3.9k	1/16W M-Ox.	AA	R482	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R201	VRS-CY1JF151J	J 150	1/16W M-Ox.	AA	R483	VRS-CY1JF471J	J 470	1/16W M-Ox.	AA
R202	VRS-CY1JF122J	J 1.2k	1/16W M-Ox.	AA	△ R501	VRN-RL3LB2R2J+	X 2.2	3W M-Film	AF
R203	VRS-CY1JF122J	J 1.2k	1/16W M-Ox.	AA	R510	VRD-RA2BE471J	J 470	1/8W Carbon	AA
R204	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA	R511	VRD-RA2BE393J	J 39k	1/8W Carbon	AA
R211	VRS-CY1JF331J	J 330	1/16W M-Ox.	AA	R512	VRD-RA2BE683J	J 68k	1/8W Carbon	AA
R212	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R513	VRS-CY1JF273J	J 27k	1/16W M-Ox.	AA
R215	VRS-CY1JF222J	J 2.2k	1/16W M-Ox.	AA	R514	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R217	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA	R520	VRS-CY1JF184J	J 180k	1/16W M-Ox.	AA
R219	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA	R523	VRN-RL3DB1R0J+	X 1	2W M-Film	AE
R220	VRS-CY1JF392J	J 3.9k	1/16W M-Ox.	AA	R524	VRS-RG3AB391J	X 390	1W M-Ox.	AE
R225	VRD-RA2BE680J	J 68	1/8W Carbon	AA	R532	VRD-RA2EE824J	J 820k	1/4W Carbon	AA
R226	VRD-RA2BE101J	J 100	1/8W Carbon	AB	R534	VRD-RA2BE181J	J 180	1/8W Carbon	AA
R227	VRS-CY1JF333J	J 33k	1/16W M-Ox.	AA	R551	VRS-CY1JF562F	J 5.6k	1/16W M-Ox.	AA
					R578	VRD-RA2BE123J	J 12k	1/8W Carbon	AA
					R601	VRD-RM2HD220J	J 22	1/2W Carbon	AA
					△ R604	VRS-KA3NG102J	J 1k	7W M-Ox.	AD
					R605	VRD-RM2HD331J	J 330	1/2W Carbon	AA
					R606	VRD-RM2HD271J	J 270	1/2W Carbon	AA
					R609	VRS-RG3AB562J	X 5.6k	1W M-Ox.	AE

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTKA526WED1(32U-F500)									
PWB-A: DUNTKA526WEC9(32U-F810)									
MAIN UNIT									
△ R611	VRW-KQ41C3R3K	J	3.3 15W Cement	AG	R767	VRS-CY1JF273J	J	27k 1/16W M-Ox.	AA
R612	VRS-CY1JF123J	J	12k 1/16W M-Ox.	AA	R768	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA
R613	VRS-CY1JF474J	J	470k 1/16W M-Ox.	AA	R769	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R614	VRS-CY1JF225J	J	2.2M 1/16W M-Ox.	AA	R770	VRD-RM2HD823J	J	82k 1/2W Carbon	AA
▲△ R616	VRD-RA2BE103J	J	10k 1/8W Carbon	AA	R771	VRD-RA2BE272J	J	2.7k 1/8W Carbon	AA
▲△ R617	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R772	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
▲△ R618	VRS-CY1JF473J	J	47k 1/16W M-Ox.	AA	R774	VRS-CY1JF393J	J	39k 1/16W M-Ox.	AA
△ R621	VRN-RL3AB1R5J+	X	1.5 1W M-Film	AE	R775	VRS-CY1JF563J	J	56k 1/16W M-Ox.	AA
△ R622	VRN-RL3AB1R0J	X	1 1W M-Film	AE	R776	VRN-VV3DB1R0J	J	1 2W M-Film	AB
△ R623	VRN-RL3AB1R0J	X	1 1W M-Film	AE	R777	VRS-KA3HG8R2K	J	8.2 5W M-Ox.	AD
△ R624	VRS-RG3DB332J	X	3.3k 2W M-Ox.	AE	R778	VRS-VV3AB101J	J	100 1W M-Ox.	AA
R631	VRS-RG3AB103J	J	10k 1W M-Ox.	AB	R779	VRS-CY1JF273J	J	27k 1/16W M-Ox.	AA
R633	VRD-RM2HD683J	J	68k 1/2W Carbon	AA	R789	VRS-CY1JF394J	J	390k 1/16W M-Ox.	AA
R635	VRD-RA2EE123J	J	12k 1/4W Carbon	AA	R801	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA
R637	VRD-RA2BE274J	J	270k 1/8W Carbon	AA	R802	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R638	VRS-CY1JF822J	J	8.2k 1/16W M-Ox.	AA	R804	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R639	VRD-RA2BE561J	J	56k 1/8W Carbon	AA	R805	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA
R640	VRD-RA2BE473J	J	47k 1/8W Carbon	AA	R806	VRS-CY1JF681J	J	68k 1/16W M-Ox.	AA
R641	VRD-RA2BE151J	J	15k 1/8W Carbon	AA	R807	VRS-CY1JF681J	J	68k 1/16W M-Ox.	AA
R647	VRD-RM2HD100J	J	10 1/2W Carbon	AA	R808	VRS-CY1JF681J	J	68k 1/16W M-Ox.	AA
▲△ R651	VRN-RL2HC1R0J	X	1 1/2W M-Film	AE	R809	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
▲△ R652	VRD-RA2EE103G	J	10k 1/4W Carbon	AA	R810	VRD-RA2BE101J	J	100 1/8W Carbon	AB
▲△ R653	VRD-RA2EE562G	J	5.6k 1/4W Carbon	AA	R811	VRD-RA2BE101J	J	100 1/8W Carbon	AB
▲△ R654	VRD-RA2EE333G*	X	33k 1/4W Carbon	AE	R812	VRS-CY1JF224J	J	220k 1/16W M-Ox.	AA
R655	VRS-CY1JF562J	J	5.6k 1/16W M-Ox.	AA	R813	VRD-RA2BE271J	J	27k 1/8W Carbon	AA
R656	VRS-CY1JF334J	J	330k 1/16W M-Ox.	AA	R814	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R657	VRS-VV3DB123J	J	12k 2W M-Ox.	AA	R815	VRD-RA2BE101J	J	100 1/8W Carbon	AB
			(32U-F810)		R816	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA
△ R658	VRS-VV3DB123J	J	12k 2W M-Ox.	AA	R817	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA
R659	VRS-CY1JF471J	J	470 1/16W M-Ox.	AA	R818	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA
R663	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA	R819	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R664	VRS-CY1JF471J	J	470 1/16W M-Ox.	AA	R820	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R666	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA	R821	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R667	VRS-CY1JF562J	J	5.6k 1/16W M-Ox.	AA	R822	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R668	VRD-RA2BE680J	J	68 1/8W Carbon	AA	R830	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R669	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R901	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA
R670	VRD-RM2HD563J	J	56k 1/2W Carbon	AA	R902	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA
△ R671	VRS-RG2HC102J	J	1k 1/2W M-Ox.	AA	R903	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R672	VRD-RM2HD393J	J	39k 1/2W Carbon	AA	R904	VRS-CY1JF683J	J	68k 1/16W M-Ox.	AA
R674	VRD-RA2BE103J	J	10k 1/8W Carbon	AA	R905	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
△ R675	VRN-RL3LB3R3J+	X	3.3 3W M-Film	AD	R906	VRS-CY1JF392J	J	3.9k 1/16W M-Ox.	AA
R677	VRD-RA2EE103J	J	10k 1/4W Carbon	AA	R907	VRS-CY1JF182J	J	1.8k 1/16W M-Ox.	AA
R678	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA	R909	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R679	VRD-RM2HD103J	J	10k 1/2W Carbon	AA	R910	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R689	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA	R911	VRS-CY1JF683J	J	68k 1/16W M-Ox.	AA
R690	VRS-CY1JF683J	J	68k 1/16W M-Ox.	AA	R912	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R698	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R913	VRS-CY1JF392J	J	3.9k 1/16W M-Ox.	AA
R699	VRS-CY1JF822J	J	8.2k 1/16W M-Ox.	AA	R914	VRS-CY1JF182J	J	1.8k 1/16W M-Ox.	AA
△ R702	VRW-KQ4AC1R2K	J	1.2 10W Cement	AE	R915	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
△ R703	VRS-VV3LB101J	J	100 3W M-Ox.	AB	R916	VRS-CY1JF683J	J	68k 1/16W M-Ox.	AA
R705	VRN-VV3DBR15J	J	0.15 2W M-Film	AB	R917	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
R706	VRN-VV3DBR15J	J	0.15 2W M-Film	AB	R918	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
R707	VRD-RM2HD270J	J	27 1/2W Carbon	AA	R922	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R709	VRD-RA2BE223J	J	22k 1/8W Carbon	AA	R923	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R710	VRS-RG2HC103J	J	10k 1/2W M-Ox.	AA	R924	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA
R712	VRD-RA2BE100J	J	10 1/8W Carbon	AA	R925	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA
R713	VRS-RG2HC122J+	X	1.2k 1/2W M-Ox.	AE	R926	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA
R714	VRD-RM2HD100J	J	10 1/2W Carbon	AA	R927	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA
R715	VRD-RA2BE470J	J	47 1/8W Carbon	AA	R928	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA
R718	VRD-RA2BE102J	J	1k 1/8W Carbon	AA	R940	VRS-CY1JF221J	J	22k 1/16W M-Ox.	AA
R723	VRN-RL3DBR22J	J	0.22 2W M-Film	AA	R950	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA
△ R725	VRD-RM2HD821J	J	82k 1/2W Carbon	AA	R951	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA
△ R737	VRN-RL3DBR22J	J	0.22 2W M-Film	AA	R952	VRD-RA2BE333J	J	33k 1/8W Carbon	AA
R744	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA	R961	VRS-CY1JF221J	J	22k 1/16W M-Ox.	AA
R745	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA	R962	VRS-CY1JF221J	J	22k 1/16W M-Ox.	AA
R746	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R963	VRD-RA2BE331J	J	33k 1/8W Carbon	AA
R747	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R969	VRS-CY1JF221J	J	22k 1/16W M-Ox.	AA
△ R750	RR-DZ0049CEZZ	J	3.9M 1/2W Solid	AB	R991	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
	or				R992	VRS-CY1JF122J	J	1.2k 1/16W M-Ox.	AA
	RR-HZ0048CEZZ				R2001	VRS-CY1JF562J	J	5.6k 1/16W M-Ox.	AA
R751	VRS-CY1JF473J	J	47k 1/16W M-Ox.	AA	▲△ R2002	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R766	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA	R2004	VRD-RA2BE101J	J	100 1/8W Carbon	AB
					▲△ R2007	VRS-CY1JF562J	J	5.6k 1/16W M-Ox.	AA
					R2008	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
					▲△ R2009	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
					R2010	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTKA526WED1(32U-F500)					J921	QSOCD0430CEZZ	J	Socket, S-Video	AE
PWB-A: DUNTKA526WEC9(32U-F810)					P52	QPLGN0160CEZZ	J	Plug, 1-pin	AB
MAIN UNIT					P361	QPLGN0461CEZZ	J	Plug, 4-pin(S)	AB
R2011	VRD-RA2BE561J	J	560 1/8W Carbon	AA	P401	QPLGN0861CEZZ	J	Plug, 8-pin(GBN)	AC
R2013	VRD-RA2BE822J	J	8.2k 1/8W Carbon	AA	P601	QPLGN0161FJZZ	J	Plug, 6-pin(K)	AE
▲△ R2016	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA	P602	QPLGN0661CEZZ	J	Plug, 6-pin(XA)	AD
R2020	VRS-CY1JF102J	J	1k 1/16W M-Ox. (32U-F810)	AA	P603	QPLGN0660CEZZ	J	Plug, 6-pin(XB)	AC
R2022	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	P604	QPLGN0157FJZZ	J	Plug, 2-pin(XC)	AC
R2024	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA	P621	QPLGN0761CEZZ	J	Plug, 7-pin(YBN)	AD
R2025	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA	P651	QPLGN0361CEZZ	J	Plug, 3-pin(P651-3)	AB
R2026	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA	P701	QPLGN0460CEZZ	J	Plug, 4-pin(M)	AC
R2027	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA	P703	QPLGN0269GEZZ	J	Plug, 2-pin(P)	AB
R2028	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA	P705	QPLGN0160CEZZ	J	Plug, 1-pin(SG)	AB
R2029	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	P1303	QPLGN1061CEZZ	J	Plug, 10-pin(TA)(32U-F810)	AC
R2040	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA	P1901	QPLGN1559REZZ	X	Plug, 15-pin(VA)	AF
R2041	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA	P1902	QPLGN1559REZZ	X	Plug, 15-pin(VB)	AF
R2042	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	P1903	QPLGN1059REZZ	J	Plug, 10-pin(VC)	AC
R2043	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA	P2003	QPLGN0561CEZZ	J	Plug, 5-pin(KA)	AB
R2044	VRS-CY1JF153J	J	15k 1/16W M-Ox. (32U-F500)	AA	P2401	QPLGN0561CEZZ	J	Plug, 5-pin	AB
R2045	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	SC3001	QSOCD0259FJ00	J	Socket, 10-pin(EA)	AE
R2047	VRS-CY1JF221J	J	220 1/16W M-Ox.	AA	SC3002	QSOCD0255FJ00	J	Socket, 6-pin(EB)(32U-F810)	AD
R2048	VRS-CY1JF562J	J	5.6k 1/16W M-Ox.	AA	RDA361	PRDAR0001WJFW	X	Heat Sink, for IC361	AK
R2051	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA	RDA501	PRDARA006WJFW	X	Heat Sink, for IC501	AK
R2052	VRD-RA2BE101J	J	100 1/8W Carbon	AB	RDA602	PRDAR0114GJFW	X	Heat Sink, for Q602	AH
R2054	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA	RDA673	PRDAR1007MEFW	J	Heat Sink, for Q673	AH
R2055	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA	RDA701	PRDAR0117GJFW	X	Heat Sink, for Q701	AL
R2060	VRS-CY1JF221J	J	220 1/16W M-Ox.	AA	RDA751	PRDAR0111GJFW	X	Heat Sink, for IC751	AF
R2061	VRS-CY1JF562J	J	5.6k 1/16W M-Ox.	AA	SG680	QSPGH0025CEZZ	J	Spark Gap	AC
R2063	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA	TP100	QLUGP0102PEZZ	R	Lug	AA
R2064	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA		LHLDW1002PEZZ	R	Holder	AB
R2066	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA		LX-BZ3049GEFD	J	Screw	AA
R2067	VRD-RA2BE222J	J	2.2k 1/8W Carbon	AA		LX-BZ3100CEFD	J	Screw	AA
R2081	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA		LX-HZ3007MEFD	X	Screw	AF
R2084	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA		MSPRK0034BMFW	J	Spring	AC
R2085	VRS-CY1JF102J	J	1k 1/16W M-Ox. (32U-F810)	AA		QCNW-A476WJZZ	X	Connecting Cord	AD
R2101	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA					
R2102	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA					
R2201	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA					
R2202	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA					
R2203	VRS-CY1JF184J	J	180k 1/16W M-Ox.	AA					
R2204	VRS-CY1JF223J	J	22k 1/16W M-Ox. (32U-F810)	AA					
R2211	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA					
R2212	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA					
R2213	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA					
R2401	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA					
R2402	VRD-RA2BE101J	J	100 1/8W Carbon	AB					
R2403	VRD-RA2BE101J	J	100 1/8W Carbon	AB					
R2404	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA					
R2501	VRS-CY1JF183J	J	18k 1/16W M-Ox.	AA					
R2502	VRS-CY1JF183J	J	18k 1/16W M-Ox.	AA					
R2503	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA					
R2504	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA					
MISCELLANEOUS PARTS									
▲ RY701	RRLYJ0081CEZZ	J	Relay	AL					
	or								
	RRLYJ0094CEZZ								
▲ F701	QFS-B4023CEZZ	J	Fuse, 4A-AC125V	AC					
FH701	QFSDH1013CEZZ	J	Fuse Holder	AC					
FH702	QFSDH1014CEZZ	J	Fuse Holder	AC					
FB601	RBLN-0037CEZZ	J	Ferrite Bead	AB					
FB671	RBLN-0037CEZZ	J	Ferrite Bead	AB					
FB702	RBLN-0020CEZZ	J	Ferrite Bead	AB					
FB706	RBLN-0037CEZZ	J	Ferrite Bead	AB					
FB707	RBLN-0037CEZZ	J	Ferrite Bead	AB					
J901	QTANJ0540CEZZ	X	Terminal, Input-1 (32U-F500)	AH					
J901	QTANZA004WJZZ	X	Terminal, Input-1/Antenna (32U-F810)	AU					
J902	QTANJ0655CEZZ	J	Terminal, Input-3/Component	AK					

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-B:DUNTKA527WEB5									
CRT UNIT									
INTEGRATED CIRCUIT									
△ IC850	VHiTDA6103Q-1	J	TDA6103Q/N3	AL	R876	VRD-RM2HD184J	J	180k 1/2W Carbon	AA
TRANSISTORS					R877	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
Q850	VS2SA1266-Y-1	J	2SA1266-Y	AA	△ R878	VRS-SV2HC120J	J	12 1/2W M-Ox.	AA
Q851	VS2SC3198-G-1	J	2SC3198-G	AA	R1511	VRD-RA2BE101J	J	100 1/8W Carbon	AB
Q1504	VS2SC3198-G-1	J	2SC3198-G	AA	△ R1513	VRS-VV3DB561J	J	560 2W M-Ox.	AA
Q1505	VS2SA1266-Y-1	J	2SA1266-Y	AA	R1514	VRD-RA2BE100J	J	10 1/8W Carbon	AA
Q1506	VS2SA1964E/-1	J	2SA1964E	AF	R1515	VRD-RA2BE820J	J	82 1/8W Carbon	AA
Q1507	VS2SC5248E/-1	J	2SC5248E	AE	R1516	VRD-RA2BE820J	J	82 1/8W Carbon	AA
DIODES					R1517	VRD-RA2BE122J	J	1.2k 1/8W Carbon	AA
D853	RH-EX0647GEZZ	J	Zener Diode, 15V	AA	R1518	VRD-RA2BE683J	J	68k 1/8W Carbon	AA
	or				R1519	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
	RH-EX0417GEZZ				R1520	VRD-RA2BE683J	J	68k 1/8W Carbon	AA
D854	VHD1SS119/-1	J	Diode	AB	R1521	VRD-RA2BE122J	J	1.2k 1/8W Carbon	AA
D855	VHD1SS119/-1	J	Diode	AB	R1522	VRD-RA2EE471J	J	470 1/4W Carbon	AA
D897	RH-DX0220CEZZ	J	Diode	AB	R1525	VRD-RA2EE560J	J	56 1/4W Carbon	AA
D898	RH-DX0220CEZZ	J	Diode	AB	R1526	VRD-RA2EE560J	J	56 1/4W Carbon	AA
D899	RH-DX0220CEZZ	J	Diode	AB	R1527	VRD-RM2HD1R5J	J	1.5 1/2W Carbon	AA
D1502	VHD1SS119/-1	J	Diode	AB	R1528	VRD-RM2HD1R5J	J	1.5 1/2W Carbon	AA
D1503	VHD1SS119/-1	J	Diode	AB	R1529	VRS-VV3DB221J	J	220 2W M-Ox.	AA
D1506	RH-DX0487CEZZ	J	Diode	AC	R1530	VRD-RA2BE122J	J	1.2k 1/8W Carbon	AA
D1507	RH-DX0487CEZZ	J	Diode	AC	MISCELLANEOUS PARTS				
D1510	VHD1SS119/-1	J	Diode	AB	FB1501	RBLN-0020CEZZ	J	Ferrite Bead	AB
CAPACITORS					P852	QPLGN0341CEZZ	J	Plug, 3-pin(PU)	AA
	[EL.... Electrolytic]				P854	QPLGN0741CEZZ	J	Plug, 7-pin(YBN)	AC
C850	VCFYSB2EB823J	J	0.082 250V Mylar	AD	P860	QPLGN0841CEZZ	J	Plug, 8-pin(GBN)	AB
C851	RC-KZ018JCEZZ	J	0.01 AC250V Ceramic	AC	SC850	QSOCV0936CEZZ	J	CRT Socket	AM
	or				RDA850	PRDAR0248PEFW	R	Heat Sink, for IC850	AF
	RC-KZ015JCEZZ				RDA1506	PRDAR5072CEFW	J	Heat Sink, for Q1506	AC
C852	VCEA0A1CW107M	J	100 16V EL.	AC	RDA1507	PRDAR5072CEFW	J	Heat Sink, for Q1507	AC
C853	VCFYFA1HA224J	J	0.22 50V Mylar	AB		LX-BZ3100CEFD	J	Screw	AA
C854	VCEA0A1CW227M	J	220 16V EL.	AC					
C855	VCEA0A2EW106M	J	10 250V EL.	AD					
C856	VCEA0A1CW106M	J	10 16V EL.	AB					
C1501	VCEA0A1EW476M	J	47 25V EL.	AB					
C1506	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA					
C1508	VCKYPA2HB472K	J	4700p 500V Ceramic	AB					
C1509	VCKYPA1HB472K	J	4700p 50V Ceramic	AA					
C1510	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA					
C1511	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA					
C1515	VCEA0A1EW476M	J	47 25V EL.	AB					
C1516	VCEA0A1EW476M	J	47 25V EL.	AB					
C1517	VCEA0A2AW106M	J	10 100V EL.	AC					
C1518	VCCSPA2HL560K	J	56p 500V Ceramic	AA					
C1519	VCEA0A2CW106M	J	10 160V EL.	AD					
RESISTORS									
	[M-Ox.... Metal Oxide]								
R850	VRS-SV2HC152J	J	1.5k 1/2W M-Ox.	AA					
R851	VRS-SV2HC152J	J	1.5k 1/2W M-Ox.	AA					
R852	VRS-SV2HC152J	J	1.5k 1/2W M-Ox.	AA					
△ R853	VRS-SV2HC272J	J	2.7k 1/2W M-Ox.	AA					
△ R854	VRS-SV2HC272J	J	2.7k 1/2W M-Ox.	AA					
△ R855	VRS-SV2HC272J	J	2.7k 1/2W M-Ox.	AA					
R856	VRD-RM2HD224J	J	220k 1/2W Carbon	AA					
R857	VRD-RM2HD224J	J	220k 1/2W Carbon	AA					
R858	VRD-RM2HD224J	J	220k 1/2W Carbon	AA					
R862	VRC-MA2HG152K	J	1.5k 1/2W Solid	AA					
R863	VRC-MA2HG152K	J	1.5k 1/2W Solid	AA					
R864	VRC-MA2HG152K	J	1.5k 1/2W Solid	AA					
R867	VRS-SV2HC392J	J	3.9k 1/2W M-Ox.	AA					
R868	VRS-SV2HC222J	J	2.2k 1/2W M-Ox.	AA					
R870	VRD-RA2BE223J	J	22k 1/8W Carbon	AA					
R871	VRD-RA2BE223J	J	22k 1/8W Carbon	AA					
R872	VRD-RA2EE680J	J	68 1/4W Carbon	AA					
R873	VRD-RM2HD224J	J	220k 1/2W Carbon	AA					
R874	VRD-RM2HD184J	J	180k 1/2W Carbon	AA					
R875	VRD-RM2HD184J	J	180k 1/2W Carbon	AA					

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-C:DUNTKA602WEA1									
AV UNIT									
INTEGRATED CIRCUITS									
IC1401	VHiTC90A53F-1	X	TC90A53F	AV	C1453	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
IC1900	VHiCXA2089Q-1	J	CXA2089Q	AN	C1454	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
TRANSISTORS					C1455	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
Q1401	VS2PD601AR/-1	J	2PD601AR	AB	C1456	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
	or				C1457	VCEA0A1CW106M	J 10	16V EL.	AB
	VS2SC1623L61E				C1458	VCEA0A1CW106M	J 10	16V EL.	AB
Q1404	VS2PD601AR/-1	J	2PD601AR	AB	C1460	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
	or				C1470	VCCCCY1HH100D	J 10p	50V Ceramic	AA
	VS2SC1623L61E				C1473	VCCCCY1HH100D	J 10p	50V Ceramic	AA
Q1405	VS2PD601AR/-1	J	2PD601AR	AB	C1474	VCCCCY1HH150J	J 15p	50V Ceramic	AA
	or				C1900	VCKYCY1HB681K	J 680p	50V Ceramic	AA
	VS2SC1623L61E				C1901	VCKYCY1HB681K	J 680p	50V Ceramic	AA
Q1406	VS2PB709AR/-1	J	2PB709AR	AB	C1903	VCKYCY1HB681K	J 680p	50V Ceramic	AA
	or				C1904	VCEA0A1HW105M	J 1	50V EL.	AB
	VS2SA812-M51E				C1905	VCEA0A1HW105M	J 1	50V EL.	AB
Q1407	VS2PD601AR/-1	J	2PD601AR	AB	C1906	VCKYCY1HB681K	J 680p	50V Ceramic	AA
	or				C1907	VCEA0A1HW105M	J 1	50V EL.	AB
	VS2SC1623L61E				C1908	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
Q1408	VS2PB709AR/-1	J	2PB709AR	AB	C1909	VCEA0A1HW105M	J 1	50V EL.	AB
	or				C1910	VCEA0A1HW105M	J 1	50V EL.	AB
	VS2SA812-M51E				C1911	VCEA0A1HW105M	J 1	50V EL.	AB
Q1409	VS2PD601AR/-1	J	2PD601AR	AB	C1912	VCEA0A1HW105M	J 1	50V EL.	AB
	or				C1913	VCEA0A1HW105M	J 1	50V EL.	AB
	VS2SC1623L61E				C1914	VCKYCY1HB681K	J 680p	50V Ceramic	AA
Q1907	VS2PD601AR/-1	J	2PD601AR	AB	C1915	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
	or				C1916	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
	VS2SC1623L61E				C1921	VCKYCY1HB681K	J 680p	50V Ceramic	AA
Q1909	VS2PB709AR/-1	J	2PB709AR	AB	C1922	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
	or				C1923	VCEA0A1CW477M	J 470	16V EL.	AC
	VS2SA812-M51E				C1926	VCEA0A1CW226M	J 22	16V EL.	AB
COILS					C1927	VCKYCY1HB681K	J 680p	50V Ceramic	AA
L1401	VP-XF100K0000	J	Peaking 10μH	AB	C1928	VCEA0A1HW105M	J 1	50V EL.	AB
L1402	VP-XF100K0000	J	Peaking 10μH	AB	C1929	VCKYCY1HB681K	J 680p	50V Ceramic	AA
L1403	VP-DF151K0000	J	Peaking 150μH	AB	C1937	VCEA0A1HW105M	J 1	50V EL.	AB
L1406	VP-XF330K0000	J	Peaking 33μH	AB	C1938	VCEA0A1HW105M	J 1	50V EL.	AB
L1407	VP-XF220K0000	J	Peaking 22μH	AB	C1939	VCEA0A1HW105M	J 1	50V EL.	AB
L1408	VP-XF100K0000	J	Peaking 10μH	AB	C1951	VCKYCY1HB681K	J 680p	50V Ceramic	AA
L1410	VP-XF100K0000	J	Peaking 10μH	AB	RESISTORS				
L1411	VP-XF100K0000	J	Peaking 10μH	AB	<i>[M-Ox... Metal Oxide]</i>				
L1413	VP-XF330K0000	J	Peaking 33μH	AB	RJ12	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
L1414	VP-XF330K0000	J	Peaking 33μH	AB	RJ13	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
CAPACITORS					RJ14	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
<i>[EL... Electrolytic]</i>					RJ15	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
C1412	VCEA0A1CW106M	J 10	16V EL.	AB	RJ16	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
C1415	VCCCCY1HH220J	J 22p	50V Ceramic	AA	RJ18	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
C1416	VCEA0A1CW477M	J 470	16V EL.	AC	RJ19	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
C1420	VCCCCY1HH120J	J 12p	50V Ceramic	AA	RJ20	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
C1421	VCCCCY1HH120J	J 12p	50V Ceramic	AA	RJ21	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
C1424	VCCCCY1HH270J	J 27p	50V Ceramic	AA	RJ22	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
C1428	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA	RJ23	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
C1429	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA	R1401	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
C1430	VCEA0A1CW106M	J 10	16V EL.	AB	R1402	VRS-CY1JF681J	J 680	1/16W M-Ox.	AA
C1435	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA	R1403	VRS-CY1JF332J	J 3.3k	1/16W M-Ox.	AA
C1436	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA	R1404	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
C1439	VCE9GA1CW106M	J 10	16V EL. (N.P)	AB	R1405	VRS-CY1JF471J	J 470	1/16W M-Ox.	AA
C1440	VCEA0A1CW106M	J 10	16V EL.	AB	R1406	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
C1441	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA	R1407	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
C1442	VCFYFA1HA474J	J 0.47	50V Mylar	AC	R1420	VRS-CY1JF103J	J 10k	1/16W M-Ox.	AA
C1443	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA	R1422	VRS-CY1JF473J	J 47k	1/16W M-Ox.	AA
C1444	VCKYCY1HB472K	J 4700p	50V Ceramic	AA	R1423	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
C1445	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA	R1424	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
C1446	VCCCCY1HH181J	J 180p	50V Ceramic	AA	R1425	VRS-CY1JF221J	J 220	1/16W M-Ox.	AA
C1447	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA	R1426	VRS-CY1JF391J	J 390	1/16W M-Ox.	AA
C1448	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA	R1427	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
C1449	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA	R1428	VRS-CY1JF473J	J 47k	1/16W M-Ox.	AA
C1451	VCEA0A1CW107M	J 100	16V EL.	AC	R1429	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
C1452	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA	R1430	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
					R1431	VRS-CY1JF122J	J 1.2k	1/16W M-Ox.	AA
					R1432	VRS-CY1JF331J	J 330	1/16W M-Ox.	AA
					R1433	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
					R1434	VRS-CY1JF471J	J 470	1/16W M-Ox.	AA
					R1435	VRS-CY1JF102J	J 1k	1/16W M-Ox.	AA
					R1456	VRS-CY1JF564J	J 560k	1/16W M-Ox.	AA
					R1457	VRS-CY1JF103J	J 10k	1/16W M-Ox.	AA

Ref. No.	Part No.	★	Description	Code
PWB-C:DUNTKA602WEA1				
AV UNIT (Continued)				
R1458	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1459	VRS-CY1JF821J	J	820 1/16W M-Ox.	AA
R1466	VRS-CY1JF123J	J	12k 1/16W M-Ox.	AA
R1467	VRS-CY1JF822J	J	8.2k 1/16W M-Ox.	AA
R1473	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R1475	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R1900	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R1930	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R1932	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R1935	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R1936	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R1937	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R1938	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R1941	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R1942	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R1943	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R1944	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R1945	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R1946	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R1948	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R1954	VRD-RA2BE221J	J	220 1/8W Carbon	AA
R1955	VRD-RA2BE221J	J	220 1/8W Carbon	AA
R1956	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA
R1957	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R1958	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R1959	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R1960	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R1962	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R1964	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R1965	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA
R1966	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R1971	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R1972	VRD-RA2BE101J	J	100 1/8W Carbon	AB

MISCELLANEOUS PARTS

P1904	QPLGN0641CEZZ	J	Plug, 6-pin(EJ)	AB
SC1901	QSOCN1598REZZ	X	Socket, 15-pin(VA)	AE
SC1902	QSOCN1598REZZ	X	Socket, 15-pin(VB)	AE
SC1903	QSOCN1098REZZ	J	Socket, 10-pin(VC)	AC
SLD1901	PSLDM0102GJFW	X	Shield	AP

Ref. No.	Part No.	★	Description	Code
PWB-F:DUNTKB207WEA1				
CONTROL UNIT				
CAPACITORS				
<i>[EL.... Electrolytic]</i>				
C4001	VCEA0A1HW476M	J	47 50V EL.	AB
RESISTORS				
<i>[M-Ox.... Metal Oxide]</i>				
R4001	VRD-RA2BE470J	J	47 1/8W Carbon	AA
R4006	VRD-RA2BE822J	J	8.2k 1/8W Carbon	AA
R4007	VRD-RA2BE822J	J	8.2k 1/8W Carbon	AA
R4009	VRD-RA2BE183J	J	18k 1/8W Carbon	AA
R4011	VRD-RA2BE183J	J	18k 1/8W Carbon	AA
R4020	VRD-RA2BE750J	J	75 1/8W Carbon	AA
SWITCHES				
S4001	QSW-K0003AJZZ	J	Power	AB
or				
QSW-K0079GEZZ				
or				
QSW-K0202PEZZ				
S4002	QSW-K0003AJZZ	J	Menu	AB
or				
QSW-K0079GEZZ				
or				
QSW-K0202PEZZ				
S4003	QSW-K0003AJZZ	J	VOL-Down	AB
or				
QSW-K0079GEZZ				
or				
QSW-K0202PEZZ				
S4004	QSW-K0003AJZZ	J	VOL-Up	AB
or				
QSW-K0079GEZZ				
or				
QSW-K0202PEZZ				
S4005	QSW-K0003AJZZ	J	CH-Down	AB
or				
QSW-K0079GEZZ				
or				
QSW-K0202PEZZ				
S4006	QSW-K0003AJZZ	J	CH-Up	AB
or				
QSW-K0079GEZZ				
or				
QSW-K0202PEZZ				

MISCELLANEOUS PARTS

J4001	QJAKG0091CEZZ	X	Terminal, Input-2	AH
P4001	QPLGN0641CEZZ	J	Plug, 6-pin(EJ)	AB
P4004	QPLGN0541CEZZ	J	Plug, 5-pin(KA)	AB
RMC4001	RRMCU0222CEZZ	J	R/C Receiver	AL
or				
RRMCU0235CEZZ				
QCNW-A389WJZZ	X	Connecting Cord		AD
QCNW-A390WJZZ	X	Connecting Cord		AD

Ref. No.	Part No.	★	Description	Code
PWB-H:DUNTKB225WEA0				
DF MODULE UNIT				
INTEGRATED CIRCUITS				
IC1680	VHiKiA358P+-1	R	KIA358P	AD
	or			
	VHiUPC358C/-1			
	or			
	VHiIR9358//-1			
TRANSISTORS				
Q1680	VS2SC5022//1E	J	2SC5022	AG
Q1681	VS2SC3198-G-1	J	2SC3198-G	AA
DIODES				
D1610	RH-DX0202CEZZ	J	Diode	AD
D1680	RH-EX0666GEZZ	J	Zener Diode	AB
D1681	RH-DX0475CEZZ	J	Diode	AB
D1682	RH-DX0475CEZZ	J	Diode	AB
D1683	RH-DX0475CEZZ	J	Diode	AB
D1684	RH-DX0475CEZZ	J	Diode	AB
COILS				
L1640	RCiLZ0982CEZZ	J	Coil	AK
	or			
	RCiLZA009WJ			
L1641	RCiLZ1026CEZZ	J	Coil	AK
	or			
	RCiLZA010WJ			
L1680	RCiLZ0034PEZZ	R	Coil	
	or			
	RCiLZ0976CEZZ			
L1681	VP-DF8R2K0000	J	Peaking 8.2μH	AB
TRANSFORMER				
T1680	RTRNZ0726CEZZ	J	Transformer	AM
CAPACITORS				
<i>[EL... Electrolytic M-Poly... Metalized Polypro Film]</i>				
C1610	VCFYSB2EB224K	J	0.22 250V Mylar	AD
C1644	VCFFPC2EB754J	X	0.75 250V M-Poly.	AE
C1677	VCKYPA1HB391K	J	390p 50V Ceramic	AA
C1678	VCKYPA1HB391K	J	390p 50V Ceramic	AA
C1681	RC-KZ0024CEZZ	J	1000p 2kV Ceramic	AC
C1682	VCKYPH3DB561K	J	560p 2kV Ceramic	AC
C1683	VCE9GA1HW335M	J	3.3 50V EL. (N.P)	AB
C1684	VCEA0A1VW477M	J	470 35V EL.	AB
C1685	VCFYFA1HA474J	J	0.47 50V Mylar	AC
C1686	VCEA0A1VW108M	J	1000 35V EL.	AD
C1695	VCFYFA1HA224J	J	0.22 50V Mylar	AB
C1696	VCQYTA1HM103J	J	0.01 50V Mylar	AA
C1697	VCFPVC3ZA822H	J	8200p 1.8kV M-Poly.	AE
RESISTORS				
<i>[M-Ox... Metal Oxide]</i>				
R1610	VRS-VV3DB103J	J	10k 2W M-Ox.	AA
R1627	VRS-KT3LB122J	J	1.2k 3W M-Ox.	AC
R1656	VRD-RA2BE394J	J	390k 1/8W Carbon	AA
R1657	VRD-RA2BE273J	J	27k 1/8W Carbon	AA
R1658	VRD-RA2BE333J	J	33k 1/8W Carbon	AA
R1659	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1680	VRS-SV3LB154J	J	150k 3W M-Ox.	AC
R1681	VRS-KT3LB104J	J	100k 3W M-Ox.	AC
R1682	VRC-MA2HG333K	J	33k 1/2W Solid	AA
R1683	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA
R1684	VRD-RA2BE681J	J	680 1/8W Carbon	AA
R1685	VRS-VV3AB181J	J	180 1W M-Ox.	AA
R1686	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1687	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1688	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
R1689	VRD-RA2BE823J	J	82k 1/8W Carbon	AA
R1690	VRD-RA2BE822J	J	8.2k 1/8W Carbon	AA
R1691	VRD-RA2BE823J	J	82k 1/8W Carbon	AA

Ref. No.	Part No.	★	Description	Code
R1695	VRD-RA2BE224J	J	220k 1/8W Carbon	AA
R1696	VRD-RA2BE394J	J	390k 1/8W Carbon	AA
MISCELLANEOUS PARTS				
P1602	QPLGN0661CEZZ	J	Plug, 6-pin(XA)	AD
P1603	QPLGN0660CEZZ	J	Plug, 6-pin(XB)	AC
P1604	QPLGN0157FJZZ	J	Plug, 2-pin	AC
SG1681	QSPGH0025CEZZ	J	Spark Gap	AC
RDA1680	PRDAR0135PEFW	R	Heat Sink, for Q1602	AE
	LX-BZ3100CEFD	J	Screw	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-S: DUNTKB224WEA0(32U-F810)									
PWB-S: DUNTKB224WEA2(32U-F500)									
MTS UNIT									
INTEGRATED CIRCUITS									
IC3001	VHiCXA2074Q-1	J	CXA2074Q	AY	C3534	VCQYTA1HM332J	J	3300p 50V (32U-F810)	AA
IC3301	VHiMM1111XF1E	J	MM1111XFBE (32U-F810)	AE	C3535	VCQYTA1HM333J	J	0.033 50V (32U-F810)	AA
IC3501	VHiNJW1144G-1	X	NJW1144G (32U-F810)		C3536	VCQYTA1HM152K	J	1500p 50V (32U-F810)	AB
DIODES					C3537	VCFYFA1HA224J	J	0.22 50V (32U-F810)	AB
D3501	RH-EX0619GEZZ	J	Zener Diode, 6.2V (32U-F810)	AA	C3539	VCFYFA1HA334J	J	0.33 50V (32U-F810)	AB
D3502	RH-EX0619GEZZ	J	Zener Diode, 6.2V (32U-F810)	AA	C3540	VCEA0A1HW105M	J	1 50V	EL. (32U-F810) AB
CAPACITORS					C3541	VCEA0A1HW105M	J	1 50V	EL. (32U-F810) AB
<i>[EL. Electrolytic]</i>					RESISTORS				
C3001	VCE9GA1HW475M	J	4.7 50V	EL. (N.P) AB	<i>[M-Ox. Metal Oxide]</i>				
C3002	VCKYCY1HB562K	J	5600p 50V	Ceramic AA	RJ6	VRS-CY1JF000J	J	0 1/16W (32U-F810)	M-Ox. AA
C3003	VCQYTA1HM123J	J	0.012 50V	Mylar AA	RJ7	VRS-CY1JF000J	J	0 1/16W (32U-F810)	M-Ox. AA
C3004	VCEA0A1HW105M	J	1 50V	EL. AB	RJ8	VRS-CY1JF000J	J	0 1/16W (32U-F810)	M-Ox. AA
C3005	VCE9GA1HW475M	J	4.7 50V	EL. (N.P) AB	R2531	VRS-CY1JF221J	J	220 1/16W (32U-F810)	M-Ox. AA
C3006	VCEA0A1HW106M	J	10 50V	EL. AB	R2532	VRS-CY1JF221J	J	220 1/16W (32U-F810)	M-Ox. AA
C3007	VCEA0A1HW475M	J	4.7 50V	EL. AB	R3001	VRD-RA2BE221J	J	220 1/8W	Carbon AA
C3008	VCKYCY1HF103Z	J	0.01 50V	Ceramic AA	R3002	VRD-RA2BE221J	J	220 1/8W	Carbon AA
C3009	VCEA0A1CW227M	J	220 16V	EL. AC	R3003	VRS-CY1JF105J	J	1M 1/16W	M-Ox. AA
C3010	VCE9GA1HW475M	J	4.7 50V	EL. (N.P) AB	R3004	VRS-CY1JF104J	J	100k 1/16W	M-Ox. AA
C3011	VCEA0A1HW475M	J	4.7 50V	EL. AB	R3005	VRS-CY1JF623J	J	62k 1/16W	M-Ox. AA
C3012	VCE9GA1HW475M	J	4.7 50V	EL. (N.P) AB	R3007	VRS-CY1JF332J	J	3.3k 1/16W	M-Ox. AA
C3013	VCKYCY1HB272K	J	2700p 50V	Ceramic AA	R3008	VRS-CY1JF302J	J	3.0k 1/16W	M-Ox. AA
C3014	VCQYTA1HM473J	J	0.047 50V	Mylar AA	R3010	VRS-CY1JF392J	J	3.9k 1/16W	M-Ox. AA
C3015	VCEACA1HC335K	J	3.3 50V	EL. AC	R3011	VRS-CY1JF102J	J	1k 1/16W	M-Ox. AA
C3016	VCE9GA1HW475M	J	4.7 50V	EL. (N.P) AB	R3012	VRS-CY1JF102J	J	1k 1/16W	M-Ox. AA
C3017	VCEACA1CC106K	J	10 16V	EL. AC	R3301	VRS-CY1JF101J	J	100 1/16W (32U-F810)	M-Ox. AA
C3018	VCEA0A1HW105M	J	1 50V	EL. AB	R3501	VRS-CY1JF472J	J	4.7k 1/16W (32U-F810)	M-Ox. AA
C3029	VCQYTA1HM682J	J	6800p 50V	Mylar AB	R3503	VRS-CY1JF221J	J	220 1/16W (32U-F810)	M-Ox. AA
C3030	VCQYTA1HM682J	J	6800p 50V	Mylar AB	R3533	VRS-CY1JF221J	J	220 1/16W (32U-F810)	M-Ox. AA
C3031	VCQYTA1HM473J	J	0.047 50V	Mylar AA	MISCELLANEOUS PARTS				
C3032	VCQYTA1HM473J	J	0.047 50V	Mylar AA	P3001	QPLGN0242FJ00	J	Plug, 10-pin(EA)	AE
C3033	VCE9GA1HW475M	J	4.7 50V	EL. (N.P) AB	P3002	QPLGN0238FJ00	J	Plug, 6-pin(EB) (32U-F810)	AD
C3034	VCE9GA1HW475M	J	4.7 50V (32U-F810)	EL. (N.P) AB					
C3301	VCEA0A1HW106M	J	10 50V	EL. (32U-F810) AB					
C3302	VCKYCY1HF103Z	J	0.01 50V (32U-F810)	Ceramic AA					
C3303	VCEA0A1HW106M	J	10 50V	EL. (32U-F810) AB					
C3304	VCEA0A1HW106M	J	10 50V	EL. (32U-F810) AB					
C3501	VCQYTA1HM104J	J	0.1 50V (32U-F810)	Mylar AA					
C3502	VCFYFA1HA334J	J	0.33 50V (32U-F810)	Mylar AB					
C3503	VCQYTA1HM822J	J	8200p 50V (32U-F810)	Mylar AA					
C3504	VCQYTA1HM332J	J	3300p 50V (32U-F810)	Mylar AA					
C3505	VCQYTA1HM333J	J	0.033 50V (32U-F810)	Mylar AA					
C3506	VCQYTA1HM152K	J	1500p 50V (32U-F810)	Mylar AB					
C3507	VCFYFA1HA224J	J	0.22 50V (32U-F810)	Mylar AB					
C3509	VCEA0A1HW105M	J	1 50V	EL. (32U-F810) AB					
C3510	VCEA0A1HW105M	J	1 50V	EL. (32U-F810) AB					
C3511	VCEA0A1HW105M	J	1 50V	EL. (32U-F810) AB					
C3512	VCEA0A1HW105M	J	1 50V	EL. (32U-F810) AB					
C3513	VCEA0A1HW105M	J	1 50V	EL. (32U-F810) AB					
C3514	VCEA0A1CW476M	J	47 16V	EL. (32U-F810) AB					
C3515	VCKYCY1CB103K	J	0.01 16V (32U-F810)	Ceramic AB					
C3531	VCQYTA1HM104J	J	0.1 50V (32U-F810)	Mylar AA					
C3533	VCQYTA1HM223J	J	0.022 50V (32U-F810)	Mylar AA					

Ref. No.	Part No.	★	Description	Code
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PWB-K:DUNTKB223WEA0(32U-F810)

2-TUNER UNIT

TUNER

NOTE: THE PARTS HERES SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

△ TU52	VTUVTBT5UR202	J	Tuner-B	BC
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TRANSISTORS

Q81	VS2SA1266-Y-1	J	2SA1266-Y	AA
Q82	VS2SA1266-Y-1	J	2SA1266-Y	AA

DIODE

D62	RH-EX0673GEZZ	J	Zener Diode, 32V	AB
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COIL

L61	VP-CF100K0000	J	Peaking 10μH	AB
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CAPACITORS

[EL.... Electrolytic]

C61	VCKYPA1HF103Z	J	0.01 50V	Ceramic	AA
C62	VCEA0A1AW228M	J	2200 10V	EL.	AD
C63	VCEA0A0JW108M	J	1000 6.3V	EL.	AC
C64	VCEA0A1HW105M	J	1 50V	EL.	AB
C67	VC9GA1CW106M	J	10 16V	EL. (N.P)	AB
C81	VCQYTA1HM473J	J	0.047 50V	Mylar	AA
C82	VCQYTA1HM472J	J	4700p 50V	Mylar	AB
C83	VCEA0A1HW105M	J	1 50V	EL.	AB

RESISTORS

R61	VRD-RA2BE562J	J	5.6k 1/8W	Carbon	AA
R62	VRD-RA2BE101J	J	100 1/8W	Carbon	AB
R63	VRD-RA2BE101J	J	100 1/8W	Carbon	AB
R66	VRD-RA2BE101J	J	100 1/8W	Carbon	AB
R67	VRD-RA2BE101J	J	100 1/8W	Carbon	AB
R68	VRD-RA2BE101J	J	100 1/8W	Carbon	AB
R81	VRD-RA2BE102J	J	1k 1/8W	Carbon	AA
R82	VRD-RA2BE102J	J	1k 1/8W	Carbon	AA
R83	VRD-RA2BE151J	J	150 1/8W	Carbon	AA
R84	VRD-RA2BE122J	J	1.2k 1/8W	Carbon	AA
R85	VRD-RA2BE684J	J	680k 1/8W	Carbon	AA
R86	VRD-RA2BE122J	J	1.2k 1/8W	Carbon	AA

MISCELLANEOUS PARTS

P61	QPLGN1041CEZZ	J	Plug, 10-pin(TA)	AC
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Ref. No.	Part No.	★	Description	Code
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PWB-R:DUNTKA533WEA1(32U-F810)

P-IN-P UNIT

INTEGRATED CIRCUITS

IC1801	VHiM65667FP-2	J	M65667FP	BC
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TRANSISTORS

Q1721	VS2PD601AR/-1	J	2PD601AR	AB
Q1741	VS2PB709AR/-1	J	2PB709AR	AB
Q1742	VS2PB709AR/-1	J	2PB709AR	AB
Q1761	VS2PB709AR/-1	J	2PB709AR	AB
Q1762	VS2PB709AR/-1	J	2PB709AR	AB
Q1791	VS2SC1959Y/1E	J	2SC1959Y	AC
Q1861	VS2PB709AR/-1	J	2PB709AR	AB
Q1881	VS2PD601AR/-1	J	2PD601AR	AB
Q1882	VS2PD601AR/-1	J	2PD601AR	AB
Q1883	VS2PD601AR/-1	J	2PD601AR	AB

DIODES

D1791	RH-EX0604GEZZ	J	Zener Diode, 4.3V	AB
D1801	VHD1SS119//-1	J	Diode	AB
D1821	VHD1SS119//-1	J	Diode	AB

CRYSTAL

X1861	RCRSB0283CEZZ	J	Crystal	AG
	or			
	RCRSB0241CEZZ			

COILS

L1721	VP-XF680K0000	J	Peaking 68μH	AB
L1801	VP-XF100K0000	J	Peaking 10μH	AB
L1821	VP-XF100K0000	J	Peaking 10μH	AB
L1861	VP-XF100K0000	J	Peaking 10μH	AB
L1862	VP-XF100K0000	J	Peaking 10μH	AB
L1863	VP-XF100K0000	J	Peaking 10μH	AB

CAPACITORS

[EL.... Electrolytic]

C1721	VCEA0A1HW106M	J	10 50V	EL.	AB
C1722	VCCCCY1HH330J	J	33p 50V	Ceramic	AA
C1741	VCQYTA1HM473J	J	0.047 50V	Mylar	AA
C1742	VCEA0A1HW105M	J	1 50V	EL.	AB
C1743	VCQYTA1HM472J	J	4700p 50V	Mylar	AB
C1761	VCQYTA1HM473J	J	0.047 50V	Mylar	AA
C1762	VCEA0A1HW105M	J	1 50V	EL.	AB
C1763	VCQYTA1HM682J	J	6800p 50V	Mylar	AB
C1781	VCEA0A1CW476M	J	47 16V	EL.	AB
C1791	VCEA0A1AW107M	J	100 10V	EL.	AB
C1792	VCEA0A1AW107M	J	100 10V	EL.	AB
C1801	VCKYCY1CB104K	J	0.1 16V	Ceramic	AB
C1802	VCKYCY1HB103K	J	0.01 50V	Ceramic	AA
C1803	VCKYCY1HB103K	J	0.01 50V	Ceramic	AA
C1804	VCKYCY1HF103Z	J	0.01 50V	Ceramic	AA
C1805	VCEA0A1HW106M	J	10 50V	EL.	AB
C1806	VCKYCY1CB104K	J	0.1 16V	Ceramic	AB
C1807	VCKYCY1HB103K	J	0.01 50V	Ceramic	AA
C1809	VCKYCY1HB103K	J	0.01 50V	Ceramic	AA
C1810	VCEA0A1CW226M	J	22 16V	EL.	AB
C1811	VCKYCY1HF103Z	J	0.01 50V	Ceramic	AA
C1812	VCEA0A1HW106M	J	10 50V	EL.	AB
C1821	VCKYCY1HF103Z	J	0.01 50V	Ceramic	AA
C1822	VCEA0A1HW106M	J	10 50V	EL.	AB
C1841	VCEA0A1HW106M	J	10 50V	EL.	AB
C1842	VCKYCY1HF103Z	J	0.01 50V	Ceramic	AA
C1843	VCCCCY1HH680J	J	68p 50V	Ceramic	AA
C1845	VCKYCY1HB103K	J	0.01 50V	Ceramic	AA
C1846	VCCCCY1HH151J	J	150p 50V	Ceramic	AA
C1847	VCKYCY1HB103K	J	0.01 50V	Ceramic	AA
C1848	VCKYCY1CB104K	J	0.1 16V	Ceramic	AB
C1849	VCEA0A1HW106M	J	10 50V	EL.	AB
C1850	VCKYCY1CB104K	J	0.1 16V	Ceramic	AB
C1851	VCKYCY1HF103Z	J	0.01 50V	Ceramic	AA
C1861	VCKYCY1CB104K	J	0.1 16V	Ceramic	AB
C1862	VCKYCY1CB104K	J	0.1 16V	Ceramic	AB

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-R:DUNTKA533WEA1(32U-F810)					R1889 VRD-RA2BE101J J 100 1/8W Carbon AB				
P-IN-P UNIT (Continued)					MISCELLANEOUS PARTS				
C1863	VCCCY1HH101J	J	100p 50V Ceramic	AA	P1701	QPLGZ0810CEZZ	J	Plug, 8-pin	AD
C1865	VCFYFA1HA154J	J	0.15 50V Mylar	AC	P1702	QPLGZ0610CEZZ	J	Plug, 6-pin	AB
C1866	VCQYTA1HM103J	J	0.01 50V Mylar	AA	P1703	QPLGZ0810CEZZ	J	Plug, 8-pin	AD
C1867	VCKYCY1CB104K	J	0.1 16V Ceramic	AB	SLD1801	PSLDM0012MEFW	J	Shield	AD
C1868	VCFYFA1HA474J	J	0.47 50V Mylar	AC					
C1869	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA					
C1870	VCEA0A1HW106M	J	10 50V EL.	AB					
C1871	VCEA0A1HW106M	J	10 50V EL.	AB					
C1872	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA					
RESISTORS									
<i>[M-Ox.--- Metal Oxide]</i>									
RJ1	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA					
RJ2	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA					
RJ4	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA					
RJ6	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA					
RJ7	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA					
RJ8	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA					
RJ9	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA					
RJ11	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA					
RJ12	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA					
RJ13	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA					
RJ14	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA					
RJ15	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA					
R1721	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA					
R1722	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA					
R1723	VRS-CY1JF822J	J	8.2k 1/16W M-Ox.	AA					
R1724	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA					
R1741	VRD-RA2BE102J	J	1k 1/8W Carbon	AA					
R1742	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA					
R1743	VRS-CY1JF151J	J	150 1/16W M-Ox.	AA					
R1744	VRS-CY1JF122J	J	1.2k 1/16W M-Ox.	AA					
R1745	VRS-CY1JF474J	J	470k 1/16W M-Ox.	AA					
R1746	VRS-CY1JF122J	J	1.2k 1/16W M-Ox.	AA					
R1747	VRD-RA2BE822J	J	8.2k 1/8W Carbon	AA					
R1761	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA					
R1762	VRS-CY1JF151J	J	150 1/16W M-Ox.	AA					
R1763	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA					
R1764	VRS-CY1JF122J	J	1.2k 1/16W M-Ox.	AA					
R1765	VRS-CY1JF474J	J	470k 1/16W M-Ox.	AA					
R1766	VRS-CY1JF122J	J	1.2k 1/16W M-Ox.	AA					
R1791	VRD-RA2BE151J	J	150 1/8W Carbon	AA					
R1801	VRS-CY1JF473J	J	47k 1/16W M-Ox.	AA					
R1821	VRS-CY1JF123J	J	12k 1/16W M-Ox.	AA					
R1822	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA					
R1823	VRS-CY1JF183J	J	18k 1/16W M-Ox.	AA					
R1825	VRS-CY1JF183J	J	18k 1/16W M-Ox.	AA					
R1828	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA					
R1831	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA					
R1832	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA					
R1833	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA					
R1834	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA					
R1841	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA					
R1842	VRS-CY1JF471J	J	470 1/16W M-Ox.	AA					
R1843	VRS-CY1JF391J	J	390 1/16W M-Ox.	AA					
R1861	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA					
R1862	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA					
R1863	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA					
R1864	VRS-CY1JF221J	J	220 1/16W M-Ox.	AA					
R1865	VRS-CY1JF474J	J	470k 1/16W M-Ox.	AA					
R1866	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA					
R1867	VRS-CY1JF202J	J	2.0k 1/16W M-Ox.	AA					
R1868	VRS-CY1JF510J	J	51 1/16W M-Ox.	AA					
R1871	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA					
R1881	VRS-CY1JF473J	J	47k 1/16W M-Ox.	AA					
R1882	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA					
R1883	VRS-CY1JF123J	J	12k 1/16W M-Ox.	AA					
R1884	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA					
R1885	VRS-CY1JF473J	J	47k 1/16W M-Ox.	AA					
R1886	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA					
R1887	VRS-CY1JF123J	J	12k 1/16W M-Ox.	AA					

Ref. No.	Part No.	★	Description	Code
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MISCELLANEOUS PARTS

△ ACC701	QACCD3065CESA	J	AC Cord (AC120V 60Hz)	AN
SP1	VSP1206PB648A	X	Speaker (L), 8ohm	AN
	or			
	VSP1206PB598A			
SP2	VSP1206PB648A	X	Speaker (R), 8ohm	AN
	or			
	VSP1206PB598A			
	LCHSM0102GJKZ	X	Chassis Frame	AR
	LHLDK0014PEZZ	R	AC Cord Holder(32U-F500)	AD
	LHLDW1002PEZZ	R	Wire Holder	AB
	LHLDW1002PEZZ	R	Wire Holder	AB
	LHLDW1033PEZZ	R	Wire Holder	AA
	LHLDW1037PEZZ	R	Wire Holder	AB
	LHLDW1060CEZZ	J	Wire Holder	AB
	LHLDW1062PEKZ	R	Wire Holder	AD
	LHLDZ0015PEZZ	R	Holder	AD
	LHLDZ1003GJZZ	X	Holder	AC
	LHLDZ1037MEZZ	X	Anode Clamp Holder	AD
	LX-TZ0104GJFD	X	Screw	AF
	LX-TZ3004CEFD	J	Screw	AA
	LX-WZ0105GJFD	X	Washer	AD
	LX-WZ3013MEFD	X	Washer	AD
	QCNW-0236MEZZ	X	Connecting Cord(32U-F810)	AK
	QCNW-A378WJZZ	X	Connecting Cord	AF
	QCNW-A379WJZZ	X	Connecting Cord	AH
	QCNW-A380WJZZ	X	Connecting Cord	AG
	QCNW-A381WJZZ	X	Connecting Cord(32U-F810)	AG
	QCNW-A382WJZZ	X	Connecting Cord	AF
	QCNW-A383WJZZ	X	Connecting Cord(32U-F810)	AH
	QCNW-A475WJZZ	X	Connecting Cord	AG
	QCNW-A477WJZZ	X	Connecting Cord	AG
	QCNW-A478WJZZ	X	Connecting Cord	AG
	TCAUH3048GJZZ	X	Caution Label	AD
	TLABM0002GJZZ	X	Model Label	AB
	TLABSA006WJZZ	X	SRS/BBE Label	AD
	TLABZ0152GJZZ	X	Feature Label	AD
	TLABZ0198GJZZ	X	Carton Label(32U-F500)	AE
	TLABZA003WJZZ	X	Carton Label(32U-F810)	AC
	XTASD40P25000	J	Screw	AA

SUPPLIED ACCESSORIES

TiNS-7662GJZZ	X	Operation Manual(32U-F500)	AH
TiNS-A060WJZZ	X	Operation Manual(32U-F810)	AH
RRMCGA035WJSB	X	Infrared R/C Unit(32U-F500)	AR
RRMCGA027WJSA	X	Infrared R/C Unit(32U-F810)	AT
TGAN-0001GJZZ	X	Guarantee Card	AB

Ref. No.	Part No.	★	Description	Code
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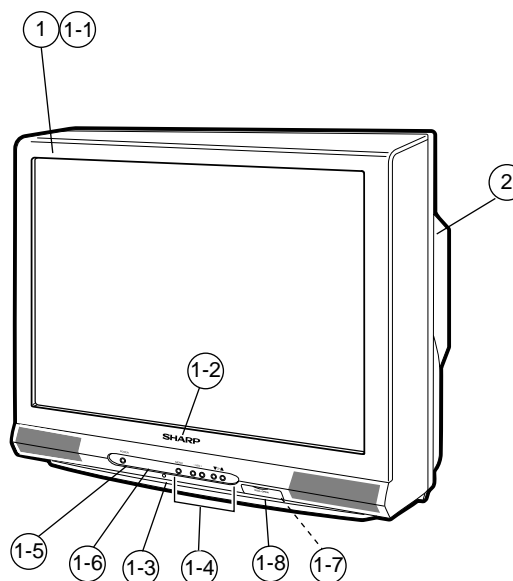
PACKING PARTS (NOT REPLACEMENT ITEM)

SPAKC0245GJZZ	—	Packing Case	—
SPAKP0110GJZZ	—	Wrapping Paper	—
SPAKX0131GJZZ	—	Buffer Material	—
SSAKA0101GJZZ	—	Polyethylene Bag	—

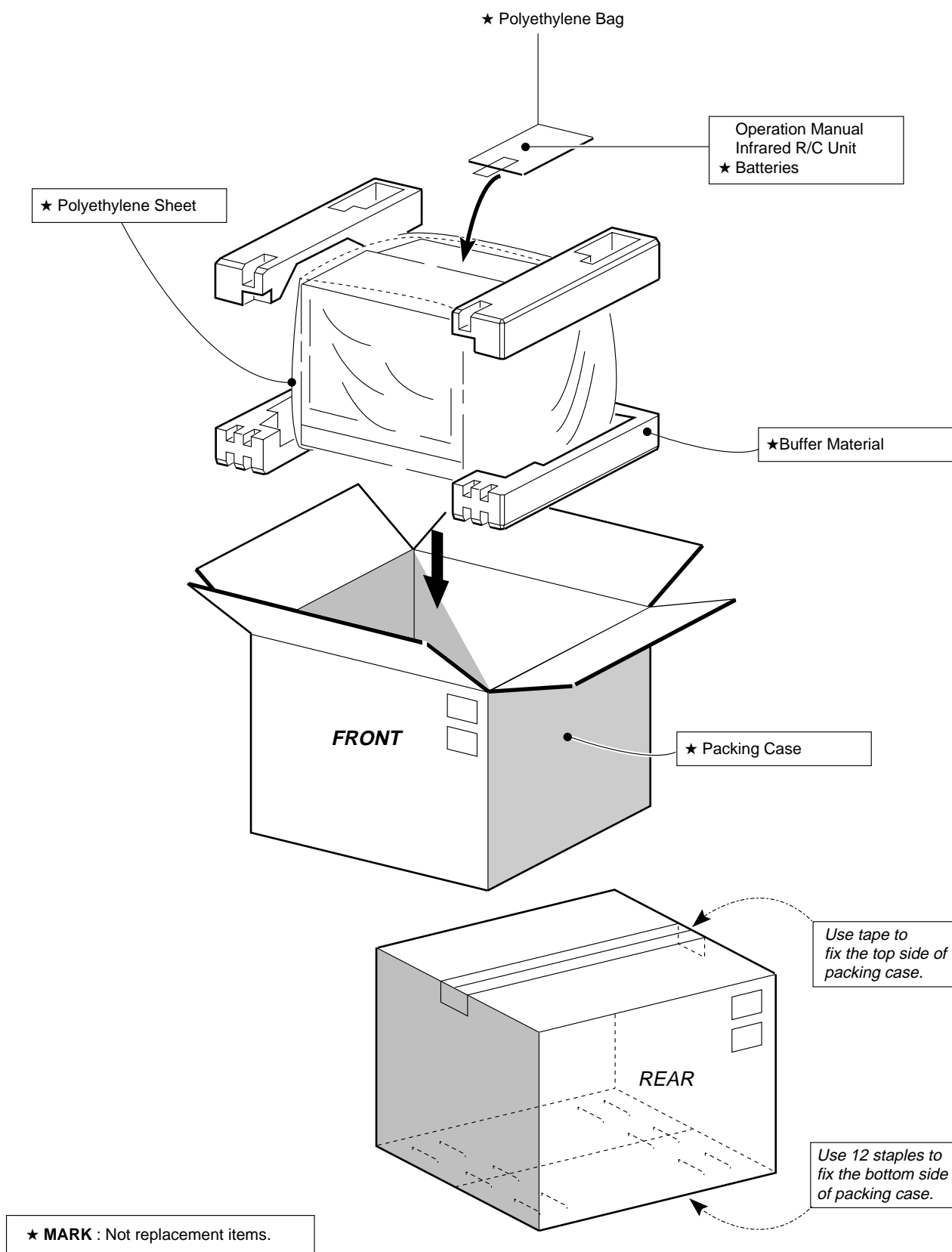
CABINET PARTS

1	CCABA0176WEH0	X	Front Cabinet Ass'y(32U-F500)	BM
1	CCABA0170WEH1	X	Front Cabinet Ass'y(32U-F810)	BL
1-1	Not Available			—
1-2	HBDGB3141CESA	J	Badge, "SHARP"	AG
1-3	HDECQ0105GJSA	X	RC/LED Cover	AC
1-4	JBTN-0128GJKA	X	Button, Menu, CH-Up/Down, AD VOL-Up/Down	AD
1-5	JBTN-0129GJKA	X	Button, Power	AC
1-6	HDECQ0104GJKA	X	Decoration Plate	AE
1-7	HiNDP0107GJSA	X	Indication Plate	AB
1-8	GDORF0105GJKA	X	AV Terminal Door	AD
2	GCABB0148GJKA	X	Rear Cabinet (32U-F810)	BB
2	GCABB0160GJKA	X	Rear Cabinet (32U-F500)	BB

CABINET PARTS LOCATION



PACKING OF THE SET



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