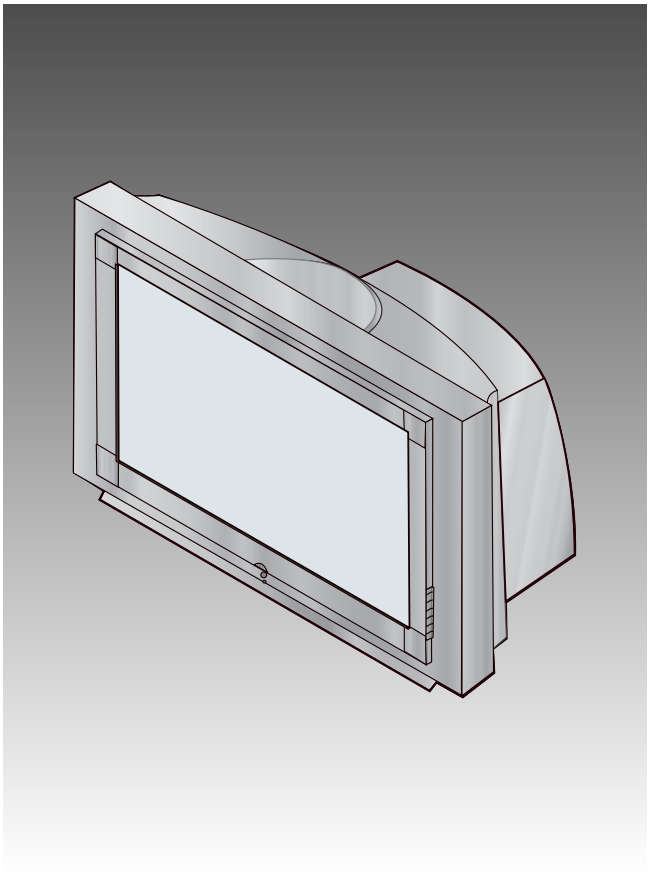
SAMSUNG

COLOR TELEVISION RECEIVER

Chassis : **K54A(REV.1)**
Model : **TSL3099WHFXXAA**

SERVICE Manual

COLOR TELEVISION RECEIVER



CONTENTS

ELECTRONICS

Printed in Korea
AA68-02134A

1. Precautions

Follow these safety, servicing and ESD precautions to prevent damage and protect against potential hazards such as electrical shock and X-rays.

1-1 Safety Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.

2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including: nonmetallic control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people—particularly children—might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

   If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (Figure 1-1):
   Warning: Do not use an isolation transformer during this test. Use a leakage-current tester or a metering system that complies with American National Standards Institute (ANIS C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

5. With the unit completely reassembled, plug the AC line cord directly into the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

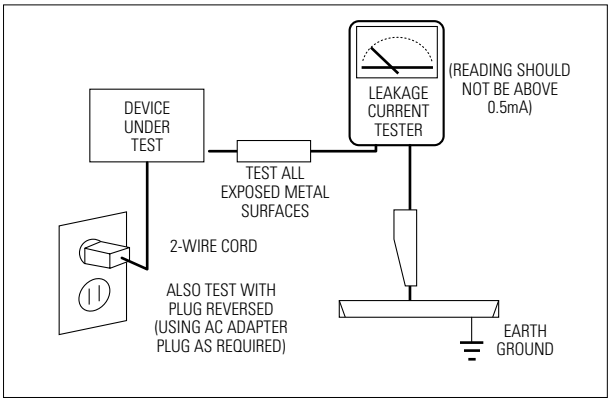


Fig. 1-1 AC Leakage Test

6. Antenna Cold Check:
   With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong. Connect the other lead to the coaxial connector.

7. X-ray Limits:
   The picture tube is especially designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original. Carefully reinstall the picture tube shields and mounting hardware; these also provide X-ray protection.

8. High Voltage Limits:
   High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits.
   Correct operation of the X-ray protection circuits must be reconfirmed whenever they are serviced.
   (X-ray protection circuits also may be called "horizontal disable" or "hold-down".)

   Heed the high voltage limits. These include the X–ray Protection Specifications Label, and the Product Safety and X-ray Warning Note on the service data schematic.

1-1 Safety Precautions (Continued)

9. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

10. Design Alteration Warning:
Never alter or add to the mechanical or electrical design of this unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

11. Hot Chassis Warning:
Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

    To confirm that the AC power plug is inserted correctly, do the following: Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.

12. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, regardless of the AC plug polarity. These units can be safely serviced only if an isolation transformer inserted between the receiver and the power source.

13. Some TV chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulating material that must not be defeated or altered.

14. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or overheating, and correct any potential hazards.

15. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

16. Picture Tube Implosion Warning:
The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.

17. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.

18. Product Safety Notice:
Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original—even if the replacement is rated for higher voltage, wattage, etc.

    Components that are critical for safety are indicated in the circuit diagram by shading, (⚡) or (⚠).
    Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications.
    A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

1-2 Servicing Precautions

Warning1: First read the "Safety Precautions" section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.
Warning2: An electrolytic capacitor installed with the wrong polarity might explode.

1. Servicing precautions are printed on the cabinet. Follow them.

2. Always unplug the unit's AC power cord from the AC power source before attempting to: (a) Remove or reinstall any component or assembly, (b) Disconnect an electrical plug or connector, (c) Connect a test component in parallel with an electrolytic capacitor.

3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.

4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.

5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).

6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500V) to the blades of the AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.

7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

8. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

1. Some semiconductor (“solid state”) devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.

2. Immediately before handling any semicon ductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power—this is an electric shock precaution.)

3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.

4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.

5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.

6. Use only an anti-static solder removal device. Many solder removal devices are not rated as “anti-static”; these can accumulate sufficient electrical charge to damage ESDs.

7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.

8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

9. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

2. Reference Information

2-1 Tables of Abbreviations and Acronyms

Table 2-1 Abbreviations

A	Ampere	MV	Megavolt
Ah	Ampere-hour	MW	Megawatt
Å	Angstrom	MΩ	Megohm
dB	Decibel	m	Meter
dBm	Decibel Referenced to One Milliwatt	µA	Microampere
		µF	Microfarad
°C	Degree Celsius	µH	Microhenry
°F	Degree Fahrenheit	µm	Micrometer
°K	degree Kelvin	µs	Microsecond
F	Farad	µW	Microwatt
G	Gauss	mA	Milliampere
GHz	Gigahertz	mg	Milligram
g	Gram	mH	Millihenry
H	Henry	ml	Milliliter
Hz	Hertz	mm	Millimeter
h	Hour	ms	Millisecond
ips	Inches Per Second	mV	Millivolt
kWh	Kilowatt-hour	nF	Nanofarad
kg	Kilogram	Ω	Ohm
kHz	Kilohertz	pF	Picofarad
kΩ	Kilohm	lb	Pound
km	Kilometer	rpm	Revolutions Per Minute
km/h	Kilometer Per Hour	rps	Revolutions Per Second
kV	Kilovolt	s	Second (Time)
kVA	Kilovolt-ampere	V	Volt
kW	Kilowatt	VA	Volt-ampere
l	Liter	W	Watt
MHz	Megahertz	Wh	Watt-hour

Table 2-2 Table of Acronyms

ABL	Automatic Brightness Limiter
AC	Alternating Current
ACC	Automatic Chroma Control
AF	Audio Frequency
AFC	Automatic Frequency Control
AFT	Automatic Fine Tuning
AGC	Automatic Gain Control
AM	Amplitude Modulation
ANSI	American National Standards Institute
APC	Automatic Phase Control
APC	Automatic Picture Control
A/V	Audio-Video
AVC	Automatic Volume Control
BAL	Balance
BPF	Bandpass Filter
B-Y	Blue-Y
CATV	Community Antenna Television (Cable TV)
CB	Citizens Band
CCD	Charge Coupled Device
CCTV	Closed Circuit Television
Ch	Channel
CRT	Cathode Ray Tube
CW	Continuous Wave
DC	Direct Current
DVM	Digital Volt Meter
EIA	Electronics Industries Association
ESD	Electrostatic Discharge
ESD	Electrostatically Sensitive Device
FBP	Feedback Pulse
FBT	Flyback Transformer
FF	Flip-Flop
FM	Frequency Modulation
FS	Fail Safe
GND	Ground
G-Y	Green-Y
H	High
HF	High-Frequency
HI-FI	High Fidelity
IC	Inductance-Capacitance
IC	Integrated Circuit
IF	Intermediate Frequency
I/O	Input/output
L	Left
L	Low
LED	Light Emitting Diode
LF	Low Frequency
MOSFET	Metal-Oxide-Semiconductor-Field-Effect-Tr
MTS	Multi-channel Television Sound
NAB	National Association of Broadcasters
NEC	National Electric Code
NTSC	National Television Systems Committee
OSD	On Screen Display
PCB	Printed Circuit Board
PLL	Phase-Locked Loop
PWM	Pulse Width Modulation
QIF	Quadrature Intermediate Frequency
R	Right
RC	Resistor & Capacitor
RF	Radio Frequency
R-Y	Red-Y
SAP	Second Audio Program
SAW	Surface Acoustic Wave(Filter)
SIF	Sound Intermediate Frequency
SMPS	Switching Mode Power Supply
S/N	Signal/Noise
SW	Switch
TP	Test Point
TTL	Transistor Transistor Logic
TV	Television
UHF	Ultra High Frequency
UL	Underwriters Laboratories
UV	Ultraviolet
VCD	Variable-Capacitance Diode
VCO	Voltage Controlled Oscillator
VCXO	Voltage Controlled Crystal Oscillator
VHF	Very High Frequency
VIF	Video Intermediate Frequency
VR	Variable Resistor
VTR	Video Tape Recorder
VTVM	Vacuum Tube Voltmeter
TR	Transistor

2-2 Explanation of Landing Compensation Circuit

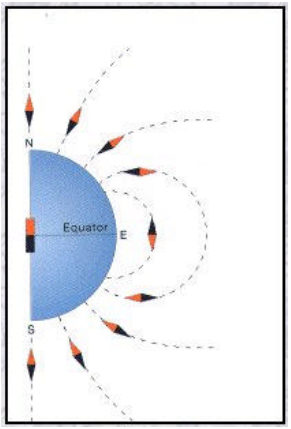
2-2-1 Definition

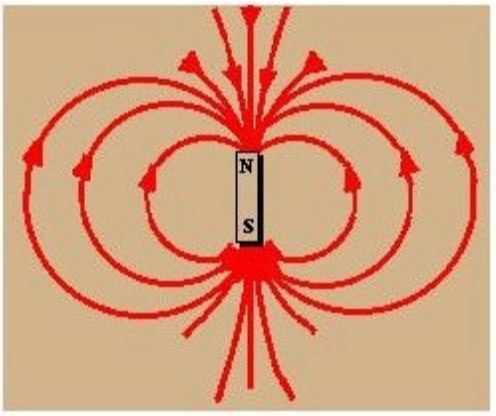
Landing in the display media using CRT means operation that beam occurred at the electronic gun passes through a constant hole and arrives to the light emitting object. The more accurate this is, the more even unified brightness of the whole of screen is uniform. However, landing becomes loose since there is deviation of manufacturing process in the CRT itself and various inside / outside factors.

- Effect of earth magnetic field

There is a magnetic line of force proceeding from South to North in the earth, called as earth magnetic field.

CRT emits light by electron from an electronic gun and direction of this electron becomes reverse direction of current. Force (F) applies to electron moved by current (I) of the earth magnetic field and the CPT. Electronic beam fails to arrive a proper position due to this force, which must constantly arrive at the fixed position of a shadow mask.





- Effect of ambient temperature

Beam flying to a constant position fails to arrive to the light emitting object by distortion of a mask since thermal expansion shrinkage of the shadow mask made of metal is different from the side where the light emitting object is attached depending on temperature.

- Effect of operation time and beam force

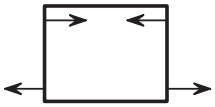
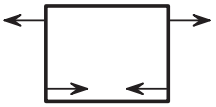
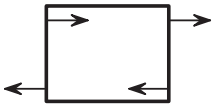
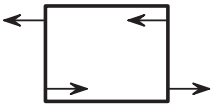
Immediately after TV turns on, temperature inside of the CRT rapidly increases by electronic beam and thereby thermal expansion proceeds in the shadow mask. This proceeds for about 2 hours and accordingly landing varies. Such a level of change differs depending on the strength of beam shone on the screen together with time. The stronger strength of the beam is, namely the brighter the screen is, the severer change of landing is.

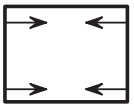
The CRT used in the ZEUS is OMEGA CRT of a complete flat32” HD-class with an injection degree of maximum 120’ independently developed and produced by the SDI. It was manufactured in the most minimum width in the world in comparison with the same size to reduce depth of the set.

Such configuration gives a bad effect on the landing surface and thus landing at the 4 point within the CRT becomes distorted even by a small ambient effect and purity error (change of color purity: other color) occurs.

2-2-2 Principle of Operation

The following tables show direction of Landing distortion for factors effecting on Landing.

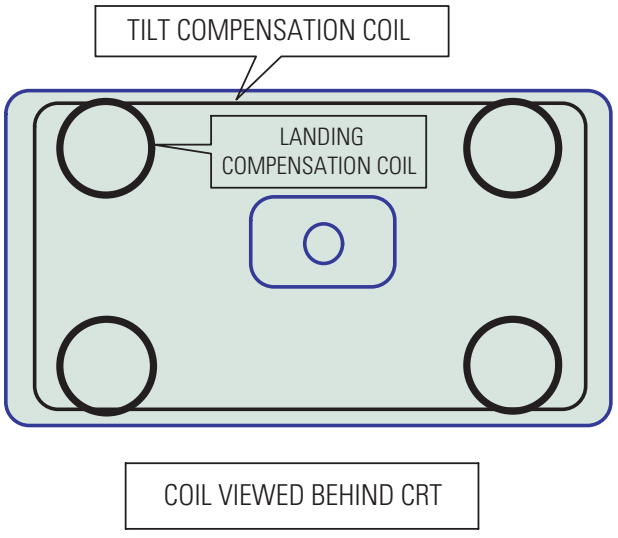
CRT Direction	EARTH	WEST	SOUTH	NORTH
Direction of distorted landing				

CRT Direction	Low Temperature	High Temperature
Direction of distorted landing		

** The above tables show direction of actual effect and a reverse direction of it for Landing Data (direction of microscope). **

The earth magnetic field sensor and the temperature sensor are attached for measuring direction and strength of the current earth magnetic field and temperature of set. Since effect on the above table must be compensated, force in the reverse direction must be made.

The following figure shows that coil for landing compensation and coil for TILT compensation are attached on the rear side of CRT to compensate for it. 4 round coils (coil for landing compensation) is used to compensate for error in the corner where landing error mostly occurs. The TILT coil adjusts degree of the whole of screen.



Compensation is currently not done for TIME and beam in the landing compensation circuit and circuit improved in the following version will operate

2-2-3 Operation of Circuit

- Explanation of Operation

Operation of the landing compensation circuit is controlled by a sub-micom within module. Operation of the sub-micom for the actual landing compensation is perceived and controlled. It receives values of the earth magnetic field sensor (SEN01) and temperature sensor (DM01) via the A/D port of the sub-micom and then perceives the current status and outputs compensation value in the PWM form. Direct driving of the landing compensation coil is done at the LA6510 power drive OP AMP. Standard operation voltage of the AMP is made by divided voltage of R028, R029 and applied to the (+) 1N of the OP AMP. The PWM type of control data that is output from the MICOM is smoothed by the RC integrated circuit and becomes analog voltage with a constant level. It is applied to the reverse amplitude circuit composed of a power drive OP AMP via a TR and resistance. In this case, amplitude level is determined by the whole output impedance and feedback resistance of circuits connected to the (-) 1N terminal of the OP AMP. The LA6510 VSENSE PORT is used for limiting current and can limit the max current value using resistance value between VOUT terminals. The output flows through the LC coil and creates magnetic field. Position of electronic beam is compensated by the magnetic field. DC R (voltage at both ends of the LC coil measured by DVM as direct current resistance component) of the LC coil is about 100 ohm.

Details of explanation are deleted since operation of the tilt coil operates even in general TV.

- Inspection of Operation

Operation inspection after set repair is as follows:

1) Is the output terminal (red, gray, blue, black) of coil at the aging mode within 9 +/- 300mV?

2) Does other color occur when removing the PCB Front Connector(CN905A) from the Main Chassis?

3) Does other color occur when touching magnetic object near the earth magnetic field Sensor Module?

Where all answers for the above questions are Yes, they show that the Landing compensation circuit properly operates for the set.

2-2-4. Related OSD Matters

Two matters are related each other in the factory mode.

Factory mode -> TL, BL, TR and BR value are value of the area that user (service man) can vary.
It is better not use these values unless purity error occurs (where, TL, BL, TR, BR represents TOP LEFT, BOTTOM LEFT, TOP RIGHT and BOTTOM LIGHT, respectively).

Factory mode -> There are TL, BL, TR, BR and SENCE LRR types in the ITC. They must not be changed. There is information about CRT and the circuit part for compensating it. However, in replacing EEPROM or main chassis, change of it is needed but the value of sense REF must not be changed.

(The sense REF is used to compensate for sensor unique omission and is line adjustment value that reads center value of sensor in the 0-earth magnetic field and stores it at the EEPROM. Since the 0-earth magnetic field cannot be made in the field, this item shall not be changed. If changing it and thus purity error occurs, the EEPROM must be replaced according to the following cautions)

2-2-5 Cautions in troubleshooting

■ Check item prior to repair

1) Is the +- output terminal (Red, Gray, Blue, Black) of a coil in the Aging Mode within 0 +/- 300mV?

2) Does other color occur when removing the PCB front connector from the main chassis?

3) Does other color occur when touching approaching magnetic object around the earth magnetic field Sensor Module?

If all answers for above questions is Yes, it means landing compensation circuits properly operates for the set.

1) Cautions in replacement of parts and E2PROM in earth magnetic field

You should replace an E2PROM within the main chassis and the main chassis in the following orders if necessary:

■ Where set operation is possible

a) Memorize values of TL, BL, TR and BR from the Factory Mode -> TIC. Sense REF values should not be changed at any case (If pressing + - key, current values of the earth magnetic field becomes standard value and emergent operation is done by it).
b) Replace parts.
c) Change it into TL, BL, TR and BR memorized from the Factory Mode -> TIC. Sense REF values should not be changed at any case (In this case, initial value is 115, 125).
d) Inspect operation status.
e) If there is no abnormality in the operation inspection but other color occurs, change and adjust four value(TR, BL, TR, BR) from the Factory Mode ->User so that there is no purity error.

■ Where set operation is not possible

a) Replace parts.
b) Change should not be done at any case in the Factory Mode -> TIC mode.
(In this case, initial value is 115, 125).
c) Inspect operation status.
d) If there is no abnormality in the operation inspection but other color occurs depending on ambient conditions, change and adjust 4 values from the Factory Mode ‡User so that there is no purity error.

2) Cautions in De-Gaussing

1. ADG (Auto Degaussing)

- There is no problem since set itself operates in the Degaussing operation of set itself under the Purity Off Mode.
  However, the set normally operates when performing Power On after Off for 30 minutes after removing power.

2. HDG (Hand Degaussing)

- If desiring to operate the compulsory Degaussing mode, you should set “Aging Mode” for operation.

3. AGING MODE

- A strong magnetic field occurred in the HDE-GAUSSING affects on sensor in the earth magnetic field and as a result, a strong magnetic field occurs from the LC coil. It is not good for sense operation and DE-GAUSSING of the earth magnetic field. Be sure to perform semsing and DE-GAUSSING magnetic field in Aging Mode, especially whem adjusting user values.

2-2 IC Line Up

Block	Des-Loc	Part-Number	IC Name	Description
MAIN	IC601	1204-001594	MSP3440G-B6	IC-SOUND PROCESSOR
	IC701	1001-001073	TEA6415C	IC-VIDEO SWITCH
	IC702	1001-001113	TEA6422	IC-AUDIO SWITCH
	IC703	1002-001193	PCF8591P	IC-A/D & D/A CONVERTER
	TU01	AA40-00020A	TCLN318PA09A(S)	TUNER-F/S
	TUP01	AA40-00032A	TCPN3081PC09A(S)	TUNER-F/S
	IC905	1103-001171	24L161	IC-EEPROM
	ICH01	1204-001454	TDA7449L	IC-VOLUME CONTROL
	IC602	1201-000407	TDA7050	IC-POWER AMP
	ICD603	1201-001385	TDA7269A	IC-POWER AMP
	IC603	1201-001385	TDA7269A	IC-POWER AMP
	IC804	1203-000203	SI3050	IC-POSI.ADJUST REG.
	IC805	1203-000203	SI3050	IC-POSI.ADJUST REG.
	IC802	1203-000293	KA7808	IC-POSI.FIXED REG.
	IC803	1203-000298	KA7809	IC-POSI.FIXED REG.
	IC801	1203-000165	78R12	IC-POSI.ADJUST REG.
POWER	IC301	1204-000517	LA7845	IC-VERTIVAL DEF.
	D801S	0402-001399	GSDIB660	IC-HYBRID
	IC801S	1203-002091	STR-F6658B	IC-HYBRID
	IC803S	AA13-00024A	TNY253P	IC-HYBRID
	Q403	0505-000156	IRF620	FET-SILICON
	Q404	0505-001116	BUZ73A	FET-SILICON
	QH407	0502-001187	2SC5612	TR-POWER
	QH408	0502-001104	2SD921	TR-POWER
	QH406	0502-001100	2SD4125	TR-POWER

Block	Des-Loc	Part-Number	IC Name	Description
POWER	QH405	0505-001202	IRF640	FET-HYBRID
	DH401	0402-001176	FMQG5GS	TR-DIODE
	DH400	0402-001176	FMQG5GS	TR-DIODE
	Q801	1004-000101	SE140N-DIP	IC-HYBRID
F-BOX	IC01	1204-001598	VPC3230D-A0	IC-VIDEO PROCESS
	IC02	AA13-00095A	SDP01	IC-ASIC
	IC05	1002-001045	SDA9280	IC-D/A CONVERTER
	IC06	1204-001372	SDA9361	IC-HOR./VER.PROCESS
	IC07	1204-001550	CXA2101AQ	IC-VIDEO PROCESS
	IC03	1105-001035	416S1120	IIC-DRAM
	IC04	1105-001035	416S1120	IC-DRAM
	PIC01	1204-001598	VPC3230D-A0	IC-VIDEO PROCESS
	PIC02	1109-001144	81V04160	IC-FIFO
	PIC04	1203-001419	4931	IC-VOLTAGE REGULATOR
	PIC05	1203-001419	4931	IC-VOLTAGE REGULATOR
	IC902	1203-001140	7039	IC-VOL.DETECTOR
	IC903	1203-001274	7545	IC-VOL.DETECTOR
	IC11	1203-001419	4931	IC-VOLTAGE REGULATOR
	IC12	1203-001140	7039	IC-VOL.DETECTOR
	IC13	1203-001359	1086	IC-POSI.FIXED REG.
	IC14	1202-000001	KA7533	IC-VOLTAGE COMP.
	IC04	1203-001419	4931	IC-VOLTAGE REGULATOR
CRT	IC501	1201-001588	TDA6120Q	IC-VIDEO AMP
	IC502	1201-001588	TDA6120Q	IC-VIDEO AMP
	IC503	1201-001588	TDA6120Q	IC-VIDEO AMP
	QF10	0502-000153	2SC2344-D	TR-POWER
	QF09	0502-000131	2SA1011A-D	TR-POWER
	IC504	1201-000010	2030	IC-OP AMP

Block	Des-Loc	Part-Number	IC Name	Description
MICOM	IC901	AA13-00101A	Z9037116PSC-OTP	IC-MCU
3D-COMB	IC01	1204-001556	UPD64082GF	IC-SEPARATOR
SUB MICOM	IC005	1201-001199	IC-POWER AMP	6510, SIP
	IC006	1201-001199	IC-POWER AMP	6510, SIP
	IC001	1203-000515	IC-VOL. DETECTOR	7042, T0-92, 3P
	IC003	AA09-00070A	IC MCU	SPR2000, 42P
CRT SENSOR	SEN01	AA32-00010A	SENSOR MAG	TMC3000NF, 35MA
TACK S/W	DM03	1404-001039	THERMISTOR-NTC	Kohm, 1%, 3435K
DOLBY	IC601	1204-0001198	IC-DECODER	DPL3519A
	IC602	1201-000541	IC-OP AMP	062

3. Specifications

Model		TSL3099WHFX
Dimensions (mm)	Set	910 (W) x 455 (D) x 578 (H)
	Transmitter	54 (W) x 31.5 (D) x 220 (H)
Weight	Set	67 Kg
	Transmitter	153 g (including batteries)
Picture Tube		Hi Contrast Instant Reception Type
Tuning Ranges		VHF (CH 2 ~ 13)
		UHF (CH 14 ~ 69)
		CATV (CH 1, 14 ~ 125)
Television System		NTSC-M
Antenna Input		VHF, UHF: 75 ohm unbalanced type
Intermediate Frequency		Video: 45.75 MHz
		Sound: 41.25 MHz
		Chrominance Subcarrier: 42.17 MHz
Automatic Gain Control		Reverse Automatic Gain Control (Reverse AGC)
Power Supply	Set	AC 120 V, 60 Hz
	Transmitter	DC 1.5V (AAA Size) x 2
Power Consumption		180 W
Rectification		Insulation Switch
Sound Output		7.5 W x 2, WOOFER : 25W x 1
Adjustment System		Transmitter Adjustment: Infrared Rays Type
		UHF / VHF electronic tuner fine tuning: Electronic Type
		Electronic Function Adjustment

Specifications are subject to change.

MEMO

4. Alignment and Adjustments

4-1 Adjustments

4-1-1 General Alignment Instructions

Usually, a color TV needs only slight touch-up adjustment upon installation. Check the basic characteristics such as vertical size, horizontal size, and focus. Observe the picture and check for good black and white details. There must be no objectionable color shading: If color shading is present, demagnetize the receiver. If color shading persists, re-do purity and convergence adjustments.

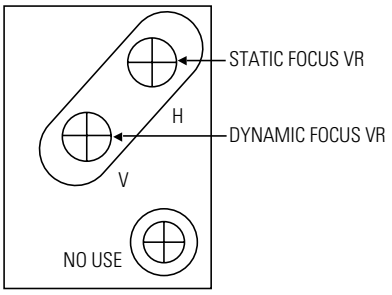
Note :
1. This '4. Alignment and Adjustments' applies to KS4A chassis applications.
2. AC Power Supply: 220 V only
3. This service manual has been written on the basis of domestic remote-control model adopting KS4A chassis. Depending on sales location and product specifications, some of specifications herein may be changed.

4-1-2 Focus Adjustment

KS4A contains a dynamic focus circuit. When CRT PCB, FBT or CRT is replaced, be sure to adjust in the following sequence:

Dynamic Focus Adjustment

1. Input a crosshatch pattern.
2. Select "Standard" from the menu,
3. Turn the Static Focus VR clockwise to set it to its maximum.
4. Turn the Dynamic Focus VR counterclockwise to set it to its maximum.
5. Turn the Static Focus VR counterclockwise slowly for the clearest center vertical line.



<FBT FOCUS PACK>

6. Turn the Dynamic Focus VR clockwise slowly for the clearest third line.

7. Check for the FOCUS of entire screen. If necessary, re-do adjustments 3~6.

4-1-3 Screen Voltage Adjustment

1. Enter the Video / Component Mode. Just connect a jack and do not supply a video signal.
2. Use a DC multi-meter to identify RK, GK, BK. And then adjust FBT Screen VR so that the highest voltage becomes 175 Vp-p.

4-1-4 White Balance Adjustment

1. Select “Standard” from the menu.
2. Input an 100% White pattern.
3. In standby, press the remote-control keys in the following sequence: Mute → 1 → 8 → 2
   Power on the TV set.
4. Warm up the TV set at least for 30 minutes.
5. Input a 10-step stair signal.
6. Use the Volume +/- buttons on the remote-control to select RDR, GDR, BDR, CON.
7. Adjust High-Light while viewing the brighter side of screen.
8. Use the Volume +/- buttons on the remote-control to select RCT, GCT, BCT, SBT.
9. Adjust Low-Light while viewing the darker side of screen.
10. If not proper, re-adjust White Balance.
11. Press the Power button to exit.

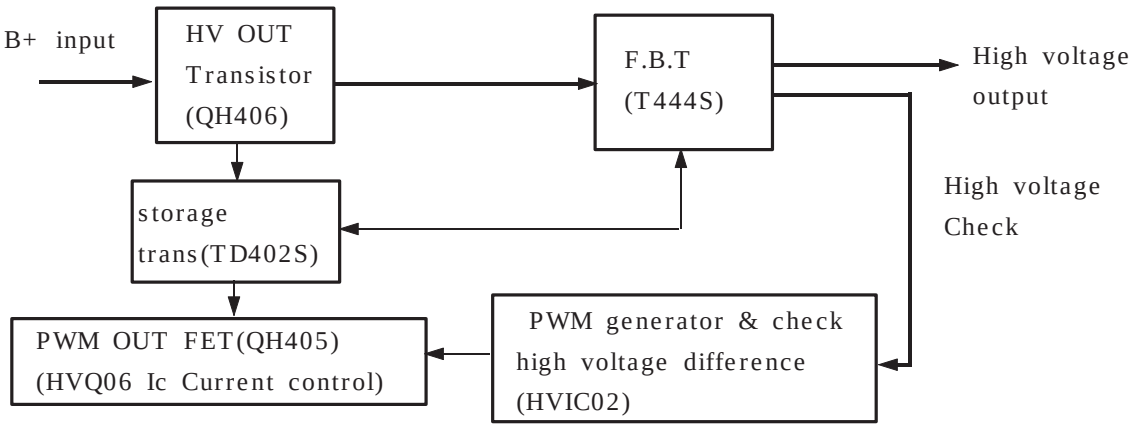
4-1-5 Sub-Brightness Adjustment

1. In standby, press the remote-control keys in the following sequence: Mute → 1 → 8 → 2
   Power on the TV set.
2. Use the Channel Up / Down buttons to receive the sub bright adjustment signal.
3. Use the Volume +/- buttons to select SBT.
4. Press the Menu or Mute button on the remote control to adjust so that the seventh step on the right of screen cannot be seen.
5. Press the Memory button to exit.

Note1. HIGH VOLTAGE REGULATOR CIRCUIT (Digital TV) : 32", 36"

This circuit uses in pulse width modulation method to check high voltage difference and then adjust energy of storage trans, in order to compensation and stabilize high voltage.

1)Block Diagram

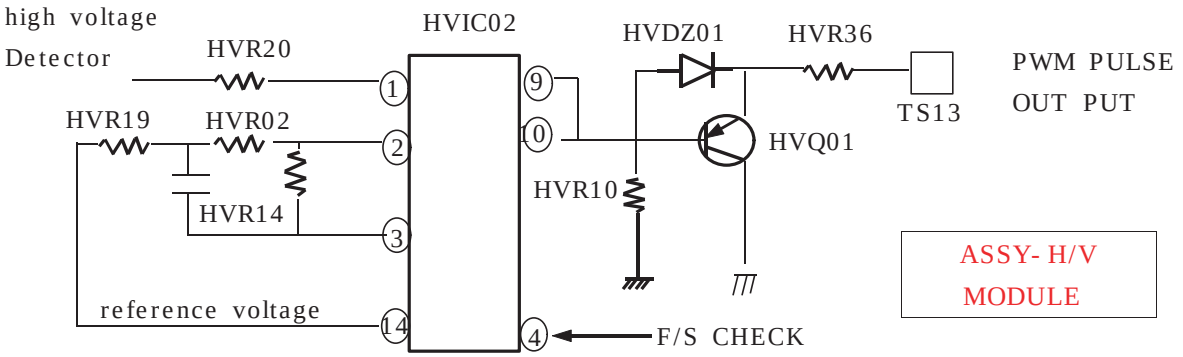


2) Circuit description

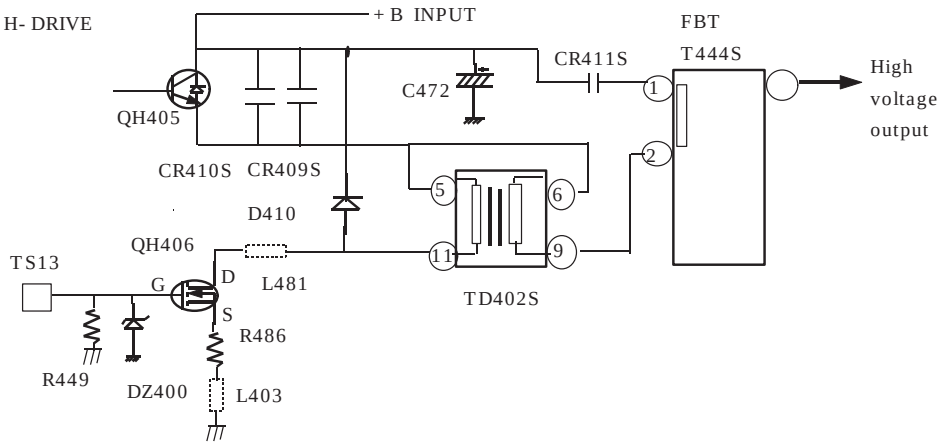
This circuit detect high voltage difference from FBT, will be compared with reference voltage of HVIC02. The varied voltage will be changed pulse width modulation by PWM Generator HV IC02 . This pulse will vary energy of storage trans(TD402S) according to high voltage difference the varied energy is added to basic high voltage pulse of FBT. As a result, this circuit will be stable high voltage.

2-1) Working description in case of high voltage Up & Down

In case high voltage goes up(or down) due to change of beam current, the voltage of high voltage detection prove will be goes up(or down) according to Divider resistance value (which are inside of FBT(T444) and outside resistance), and this increased voltage will be supplied to PWM PULSE IC(HVIC02) pin #1.

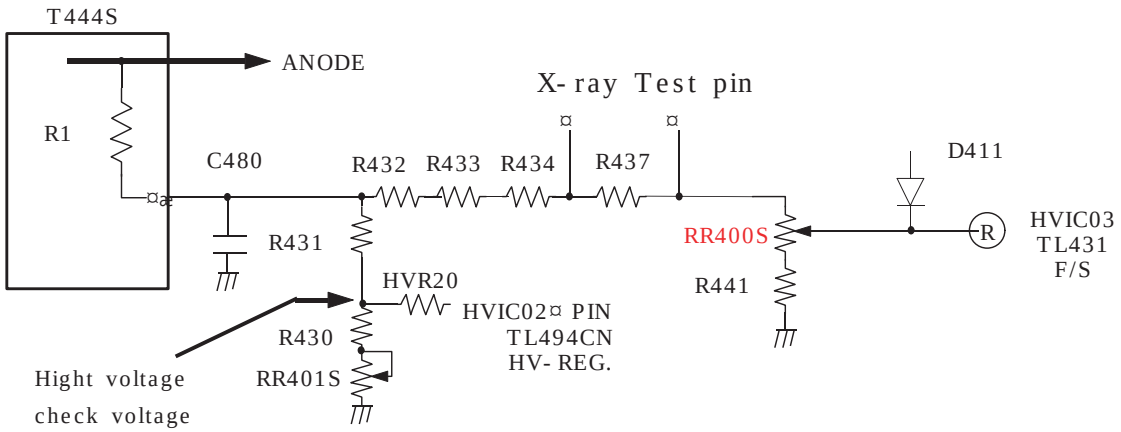


This IC(HVIC02) provide a complete pulse width modulation system in a single monolithic intergrated circuit.
The voltage which is inputed to HVIC02 pin #1 will be compared with reference voltage (HVIC02 pin #14, 5V), and then its difference voltage will be amplified.
Its value will be convert PWM pulse in HVIC02, and then PWM pulse will be output from HVIC02 pin #9,#10. Transistor HVQ01 is used as Buffer for impedance matching.



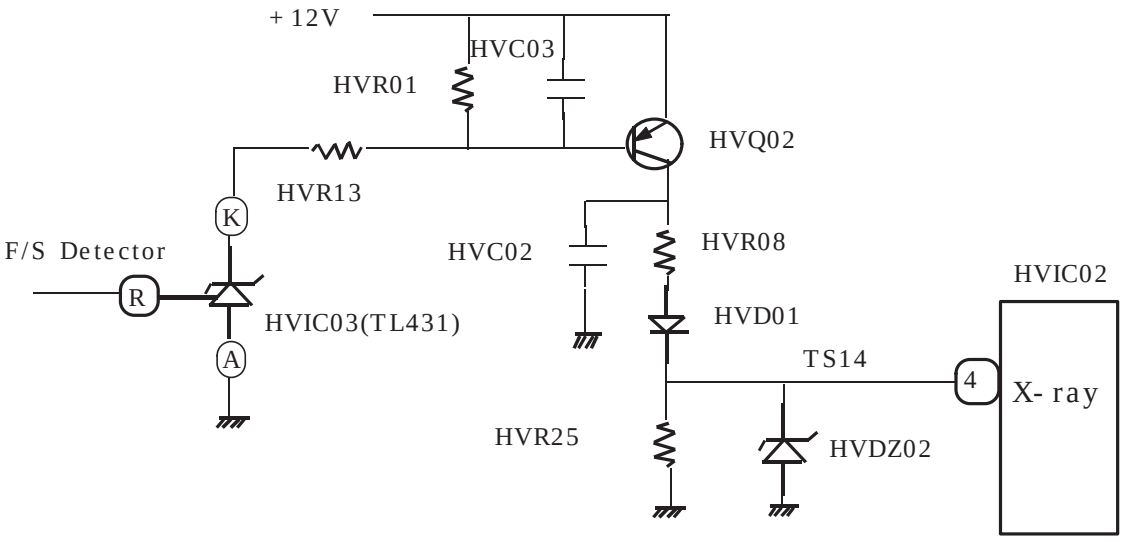
The PWM duty which is outputed from HVQ01 is variable according to Beam current of high voltage.
In case high voltage goes up (or down) due to change of Beam Current, PWM duty will be decreased (or increased).
This pulse which is inputed to QH406 Gate(FBT) will be turn on between source and drain,
and IC current of QH405 will be flow to primary of storage trans (TD402S) and then will be charge energy in primary of storage trans during trace period .
This energy is variable according to pluse duty, and will be inducted to secondary of TD402S.
The inducted energy will be added to basic high voltage generation pulse in FBT (T444S).
As a result, high voltage will be regulated by this method.

3) F/S circuit description



In case high voltage goes up, consequently detected voltage will be goes up and this voltage will be divided regularly through R432,R433,R434,RR400S R and R441.

This divided voltage will be inputed to HVIC03 pin #R, and then in this case voltage goes up more than 2.95V, Between pin #K and pin #A of HVIC03 will be turn on and will be decreased
Base voltage of HVQ02, and then E-C of HVQ02 will be turn on and will be detected high level voltage by R482. Its value will be inputed HVIC02 pin #4(X-ray detect) , and high voltage oscillation will be OFF in order to protect X-ray.
In this case, high voltage will be On if power is re-ON.



Note2. HOLD-DOWN OR SAFETY CIRCUIT INFORMATION : 29", 34"

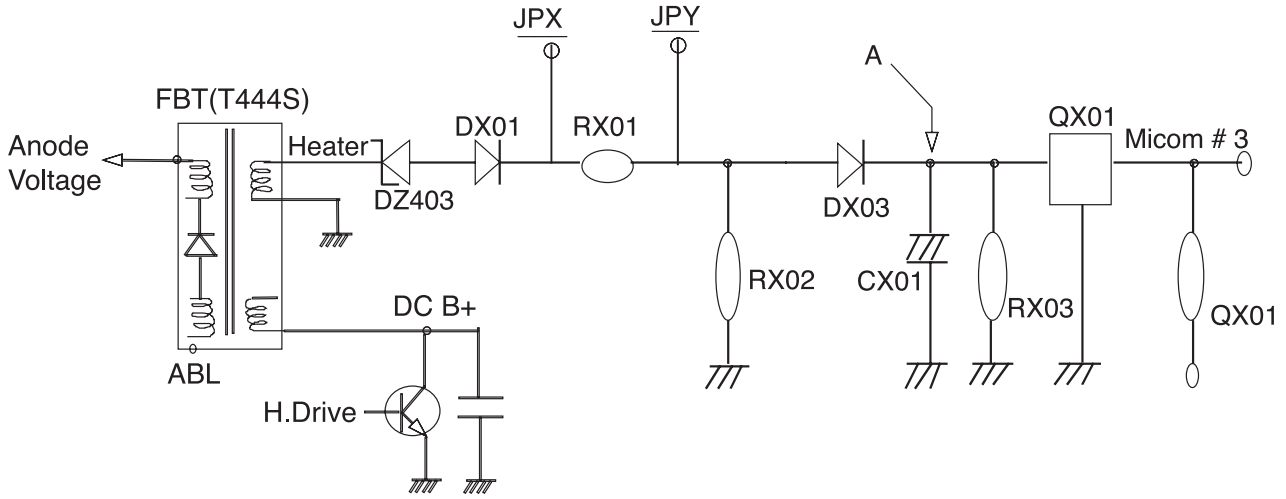
The high voltage hold-down circuit prevent TV from damage caused by abnormal high voltage.

The high voltage hold-down circuit is implemented by detecting the variation of Heater voltage because heater voltage varies with the variation of high voltage.

When the input voltage (A-Point) of QX01's RESET IC is higher than 4.5V, MICOM #3 port is turned to "HIGH" then power-off follows.

So to speak, if MICOM #3 port becomes "HIGH", MICOM #1 port is controlled (from "HIGH" to " LOW") and power-off is implememted.

Fail Safe Test Point



4-2 SZM 414AZ (ZILOG90371) Micom

4-2-1 Pin Layout

4-2-2 Port Assignment

PIN NO	PIN NAME	D4 PIN	DESCRIPTION
1	P16/SCLK	POWER	POWER CONTROL OUTPUT
2	IRIN	IR INPUT	REMOCON INPUT
3	P0C	VGA ID	PC SIGNAL DETECTOR, X-RAY
4	P0B	N.C	
5	P0A	N.C	
6	P09	N.C	
7	P0D	1080i S/W	1080i B+ UP S/W
8	P07/CYNC	N.C	
9	P06/CNTR	5VB CHECK	5V-B+ CHECK
10	P03/1HSYNC	1HSYNC	H/V SYNC FOR CCD
11	P01/I2CSC	SCL2	E2PROM/PIP only, I2C BUS CLK2
12	P02/I2CSD	SDA2	E2PROM/PIP only, I2C BUS DATA 2
13	CVI/ADC0	CVBS IN	CCD COMPOSITE INPUT
14	LPF	LOOP FILTER	LOOP FILTER
15	AGNDF	GND	ANALOG GND
16	ADC5	S-AFT	PIP AFT INPUT
17	P04/ADC4	KEY1	VOL UP/DOWN,CH UP/DOWN, KEY SCAN INPUT PORT 1
18	P04/ADC3	MAIN AFT	MAIN AFT INPUT
19	P04/ADC2	KEY2	POWER,MENU.TV/VIDEO, KEY SCAN INPUT PORT 2
20	P04/ADC1	BUS STOP	I2C BUS STOP
21	AGND	GND	ANALOG GND
22	AVCC	VCC	ANALOG VCC
23	P0F/SOVL	HALF TONE	HALF TONE
24	V3(B)	OSD B	BLUE SIGNAL OF OSD
25	V2(G)	OSD G	GREEN SIGNAL OF OSD
26	V1(R)	OSD R	RED SIGNAL OF OSD
27	OVL	BLANK	BLANKING SIGNAL OF OSD
28	HSYNC	HSYNC	HORIZONTAL SYNC INPUT FOR OSD
29	VSYNC	VSYNC	VERTICAL SYNC INPUT FOR OSD
30	P12/I2CMD2	SDA1	I2C BUS DATA 1
31	P11/I2CMC2	SCL1	I2C BUS CLK 1
32	P0E	WP	E2PROM WRITE PROTECT

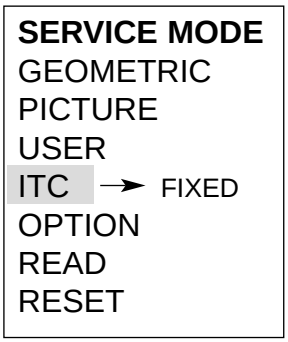
PIN NO	PIN NAME	D4 PIN	DESCRIPTION
33	I2CMD1	N.C	-
34	I2CMC1	N.C	-
35	RESET	RESET	RESET INPUT
36	XTAL1	XTAL1	-
37	XTAL2	XTAL2	-
38	GND	GND	GND
39	VCC	VCC	VCC
40	GND	GND	GND
41	PWM1	S-RESET	SOUND RESET
42	PWM2	TILT	TILT CONTROL
43	PWM3	MUTE	SOUND AMP MUTE
44	PWM4	D-COIL	DEGAUSSING COIL CONTROL OUTPUT
45	PWM5	LED1	STAND BY LED
46	PWM6	LED2	TIMER LED
47	P10/R(0)	N.C	-
48	P08/R(1)	N.C	-
49	P18/G(0)	HOLD	-
50	P13/G(1)	N.C	-
51	P14/B(0)	N.C	-
52	P15/B(1)	N.C	-

4-3 Service Mode Adjustments

K54A chassis needs I²C for service mode adjustments. Since the outgone TV set has been adjusted optimum, I²C Adjustment doesn't need excluding when CRT, FBT, EEPROM,F-BOX (IC902) is replaced.

4-3-1 Entering the Service Mode

In standby, press the remote-control keys in the following sequence:
MUTE →1→ 8→ 2 POWER When the Service Mode is entered, use the Channel UP / DOWN buttons on the remote control to move to the item to adjust.



4-3-2 Adjustments Adjust

Detailed Items: Use the Channel UP / DOWN buttons.
Data Adjustment: Use the Volume + / - buttons.
Channel Switching: Enter the Channel No.

4-3-3 Special Notes

1. When IC902 (EEPROM) is replaced, warm up the TV for 4~5 seconds after plugging in.
2. After IC902 (EEPROM) is replaced, enter the Service Mode and standard data for all items.
3. Make the following adjustments: Geometric, White Balance, Sub-contrast, Sub-brightness.

<Caution> You should not change SENSOR REF value using [+, -] key.

4-3-4 Purity Compensation Method

- Type of calibration : 100% Green (calibration by copy)
- User item : “Perimeter Purity” compensation item depending on setting position conditions in respect of consumers

Adjustment method : Adjust 4 items such as TL/BL/TR/BR using Entry of service item -> User movement -> VOL UP/DOWN key and compensate other color of corner purity.

TL	USER	20
BL	USER	20
TR	USER	20
BR	USER	20

- ITC item : In A/S, never compensate using the factory-adjusted mode.

Caution You should not change SENSOR REF value using [+, -] key.

TL	ITC	30	
BL	ITC	30	
TR	ITC	30	
BR	ITC	30	
SENS	REF	117	127

4-4 Option Byte

		USA		CANADA		NT Latin America	
BYTE	FUNCTION	NORMAL	WIDE	NORMAL	WIDE	NORMAL	WIDE
B0	WIDE	X	○	X	○	X	○
B1	V-CHIP	○	○	X	X	X	X
B2	AFN	X	X	X	X	X	X
B3	RESERVED	–	–	–	–	–	–
B4	NO ACS	X	X	X	X	○	○
B5	NO X-RAY	X	○	X	○	○	○
OPTION BYTE		02	23	00	21	30	31

OPTION BYTE 0	0 (HEX)	0	0 : 4:3 (NORMAL) 1 : WIDE (16:9)
		1	0 : V-CHIP OFF 1 : V-CHIP ON
		2	0 : AIR/STD/HRC/AFN 1 : AIR/STD/HRC/IRC
		3	DON'T CARE
	0 (HEX)	0	0 : ACS ON 1 : ACS OFF
		1	DON'T CARE
		2	DON'T CARE
		3	DON'T CARE
OPTION BYTE 1	0 (HEX)	0	DON'T CARE
		1	DON'T CARE
		2	DON'T CARE
		3	DON'T CARE
	0 (HEX)	0	DON'T CARE
		1	DON'T CARE
		2	DON'T CARE
		3	DON'T CARE

NOTES

1. 32-Inch, 36-Inch : The X-ray feature functions at the H / V module on the power board.

2. 29-Inch, 34-Inch : The X-ray feature functions by using the micom IC(Pin 3)

4-5 Geometric

DESCRIPTION		VS V-SHIFT	VA V-SIZE	VL V-LINE	VSC V-S CORR	VE V-V EHT	HA H-SIZE	PPH PIN PHS	PAM PIN AMP
32", 36" WIDE	RF Mode	166	112	105 (FIXED)	125 (FIXED)	0 (FIXED)	153	65	114
	480P Mode	184	111	105 (FIXED)	125 (FIXED)	0 (FIXED)	158	85	114
	1080i Mode	170	98	105 (FIXED)	125 (FIXED)	0 (FIXED)	200	82	120

DESCRIPTION		UPC UP-CORR	LOC LO-CORR	HEH H-EHT	HS H-SHIFT	VAN V-ANGLE	VBO V-BOW	HSP H-SYC-PH
32", 36" WIDE	RF Mode	207	144	0 (FIXED)	112	116	124	134 (FIXED)
	480P Mode	180	125	0 (FIXED)	43	107	124	134 (FIXED)
	1080i Mode	219	140	0 (FIXED)	53	118	125	142 (FIXED)

4-6 Picture

DESCRIPTION	RDR	GDR	BDR	RCT	GCT	BCT
	R-DRIVE	G-DRIVE	B-DRIVE	R-CUT OFF	G-CUT OFF	B-CUT OFF
32", 36" WIDE	32	32 (FIXED)	32	32	24 (FIXED)	32

DESCRIPTION	SBT	CON	COL	HUE	GAM
	SUB-BRT	UB-CON	UB-COL	SUB-HUE	GAMMA
32", 36" WIDE	25	6	3 (FIXED)	5 (FIXED)	12 (FIXED)

DESCRIPTION	VML		
	VM-LEVEL		
	RF	480P	1080i
32", 36" WIDE	203 (FIXED)	138 (FIXED)	138 (FIXED)

Adjustment Item		Variable Scope	Value Given	Explanation of Item
USER	TL	0 ~ 40	20	User Landing compensation value for top left
	BL	0 ~ 40	20	User landing compensation value for bottom left
	TR	0 ~ 40	20	User landing compensation value for top right
	BR	0 ~ 40	20	User landing compensation value for bottom right
ITC	TL	0 ~ 60	30	Factory landing compensation value for top left
	BL	0 ~ 60	30	Factory landing compensation value for bottom left
	TR	0 ~ 60	30	Factory landing compensation value for top right
	BR	0 ~ 60	30	Factory landing compensation value for top left
	SENCE REF	0 ~ 256 0 ~ 256	115, 125	EW Reference value of earth magnetic field sensor. NS Reference value of earth magnetic field sensor. (Never operate [-/+] key in this position)

4-7 White Balance

	COLOR COORDINATES	
	HIGH	LOW
X	275	265
Y	275	265
L	55	2.0

4-8 MAIN FACTORY DATA

MAIN FACTORY DATA

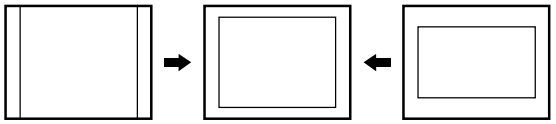
구분	TSL3099WHF		
	RF	480P	1080i
SUB-COLOR	3	5	5
VML	203	138	138
HUE	5	5	5

MEMORY DESCRIPTION

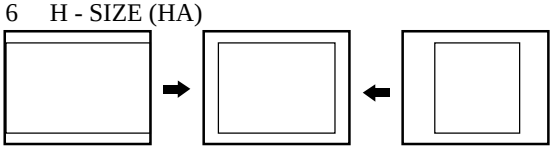
No.	Item	Description
0	V Shift	Vertical Shift
1	V Size	Adjusts the vertical image size
2	V Linearity	Adjusts the vertical linearity
3	V S Correction	Vertical S-Correction
4	V EHT	Adjusts the vertical variance (depending on the high pressure)
5	H Size	Adjusts the horizontal size
6	Pin Phase	Adjusts the left/right symmetry of pincushion
7	Pin AMP	Adjusts Pincushion
8	Upper Corner	Adjusts the upper corner
9	Lower Corner	Adjusts the lower corner
10	H EHT	Adjusts the horizontal variance (depending on the high pressure)
11	H Shift	Horizontal Shift
12	V Angle	Adjusts so that the vertical line becomes rectangular
13	V Bow	Adjusts so that the vertical lines are symmetrical
14	H Sync Phase	Adjusts the horizontal sync phase

4-8 Screen Change (I2C Bus Geometric Adjustment)

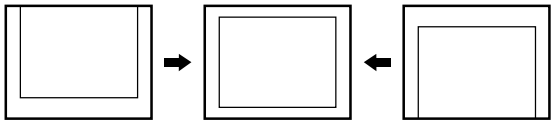
0 V - SIZE(VA)



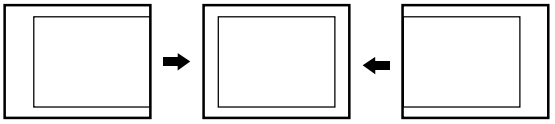
6 H - SIZE (HA)



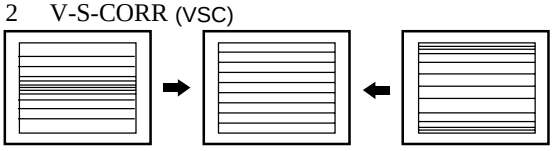
1 V - SHIFT(VS)



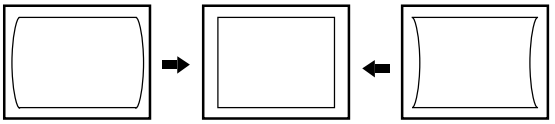
7 H - SHIFT(HS)



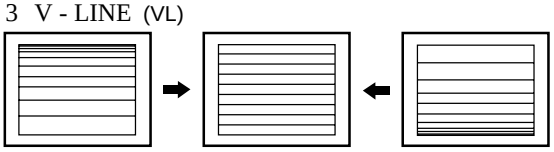
2 V-S-CORR (VSC)



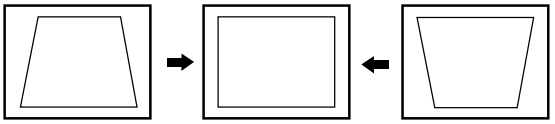
8 PIN - AMP (PAM)



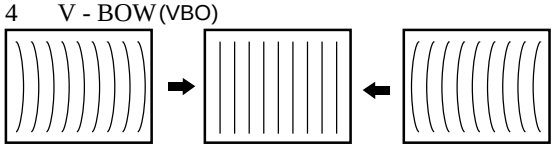
3 V - LINE (VL)



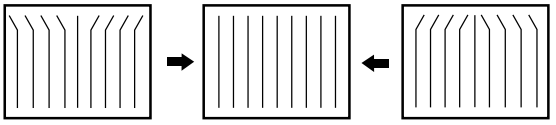
9 PIN-PHS (PPH)



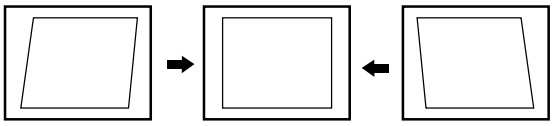
4 V - BOW (VBO)



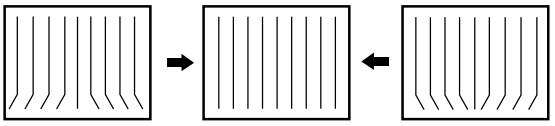
10 UP - CORR (UPC)



5 V - ANGLE (VAN)

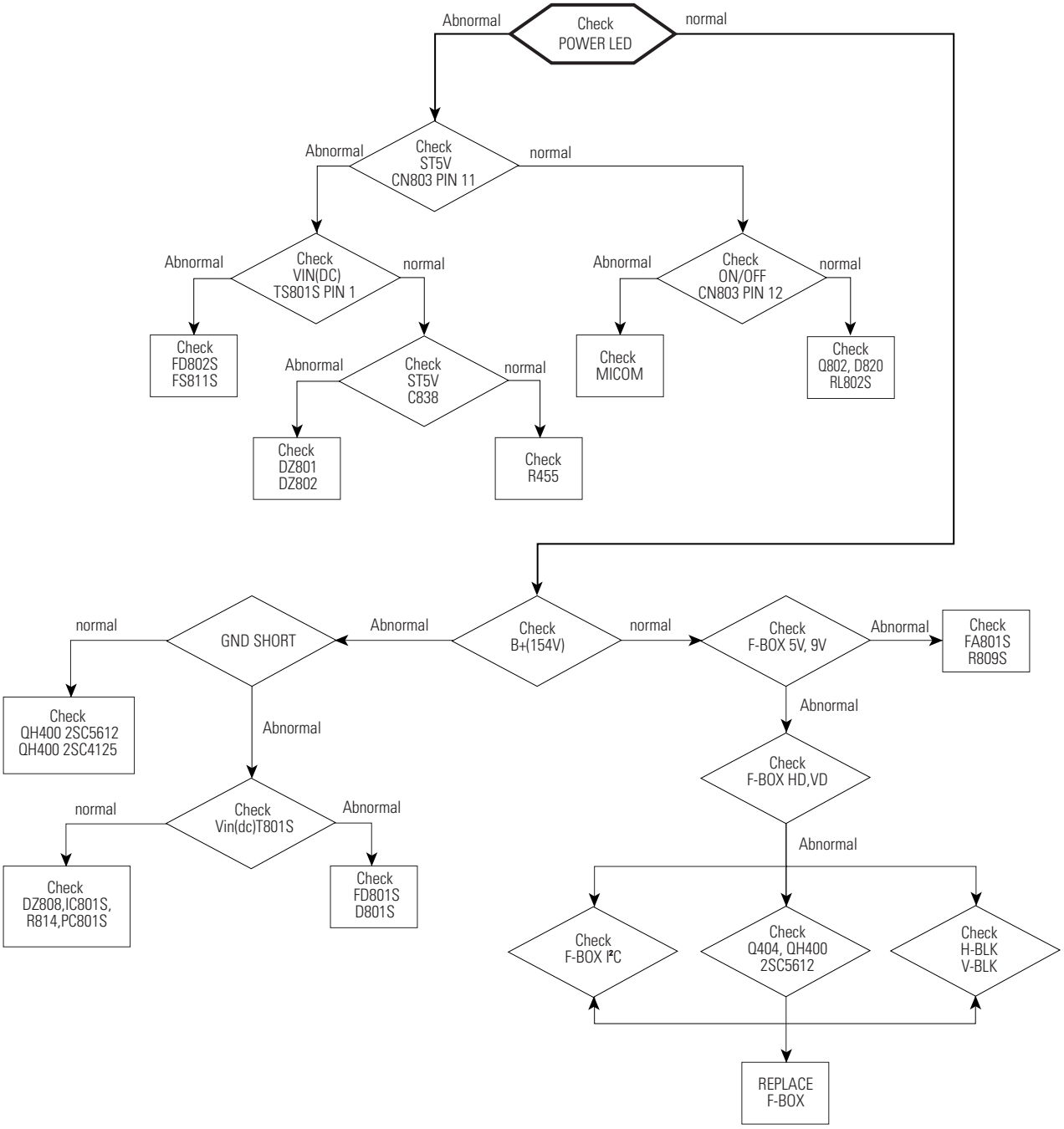


11 LO - CORR (LOC)

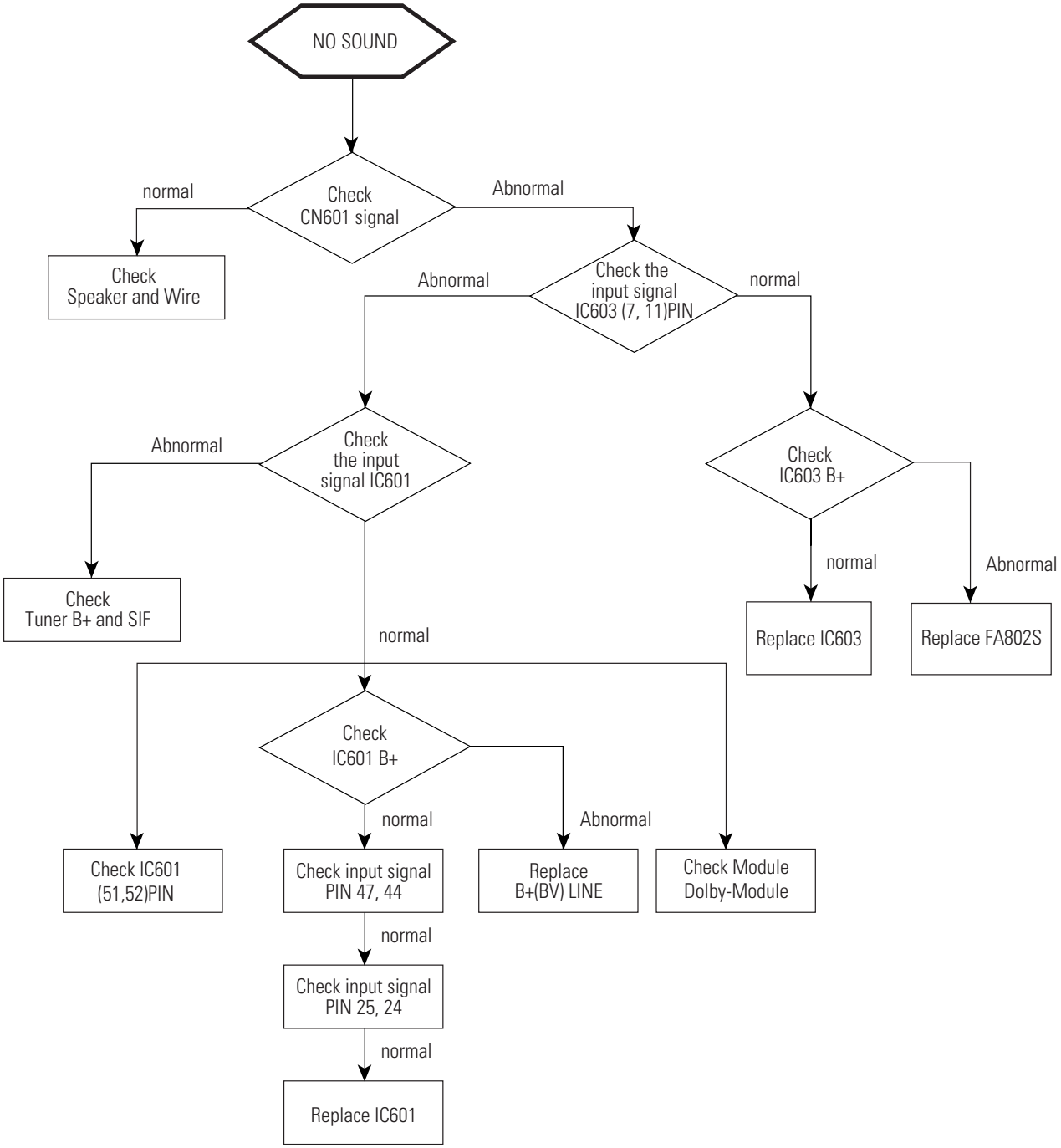


5. Troubleshooting

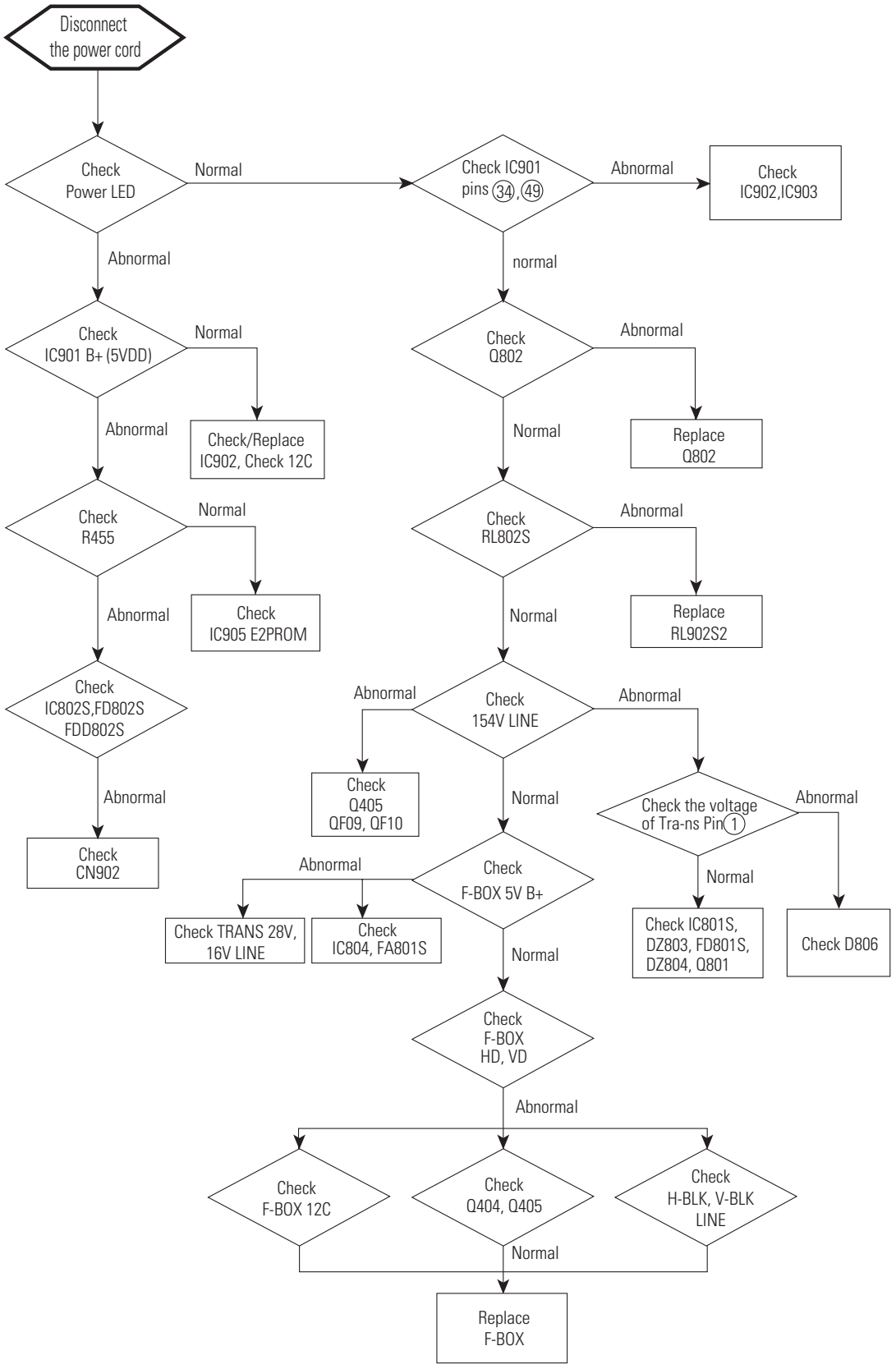
5-1 No Raster



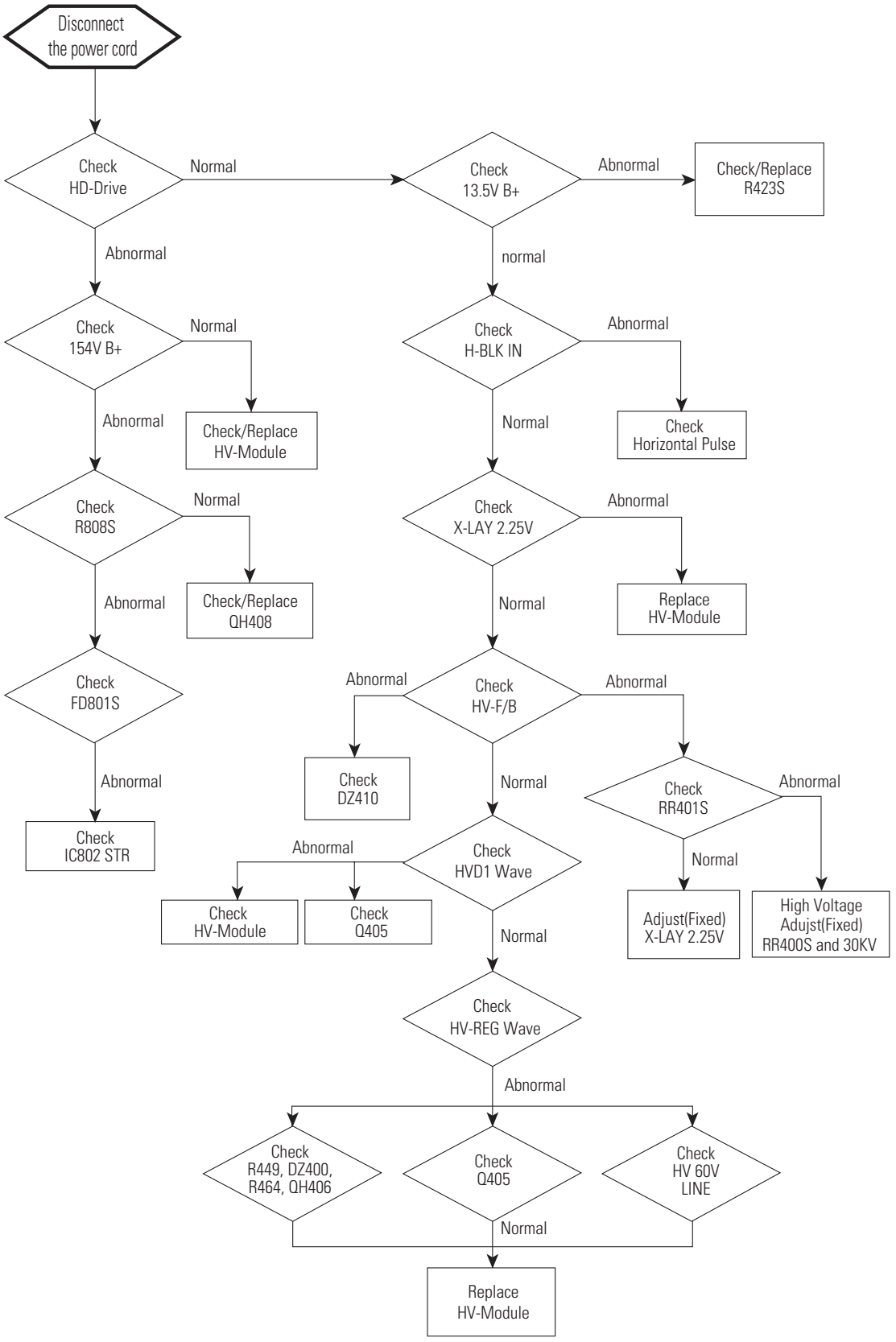
5-2 No Sound


NO SOUND
Check CN601 signal
normal
Abnormal
Check Speaker and Wire
Check the input signal IC603 (7, 11)PIN
Abnormal
normal
Check the input signal IC601
Abnormal
Check IC603 B+
Check Tuner B+ and SIF
normal
normal
Abnormal
Replace IC603
Replace FA802S
Check IC601 B+
normal
Abnormal
Check IC601 (51,52)PIN
Check input signal PIN 47, 44
Replace B+(BV) LINE
Check Module Dolby-Module
normal
Check input signal PIN 25, 24
normal
Replace IC601

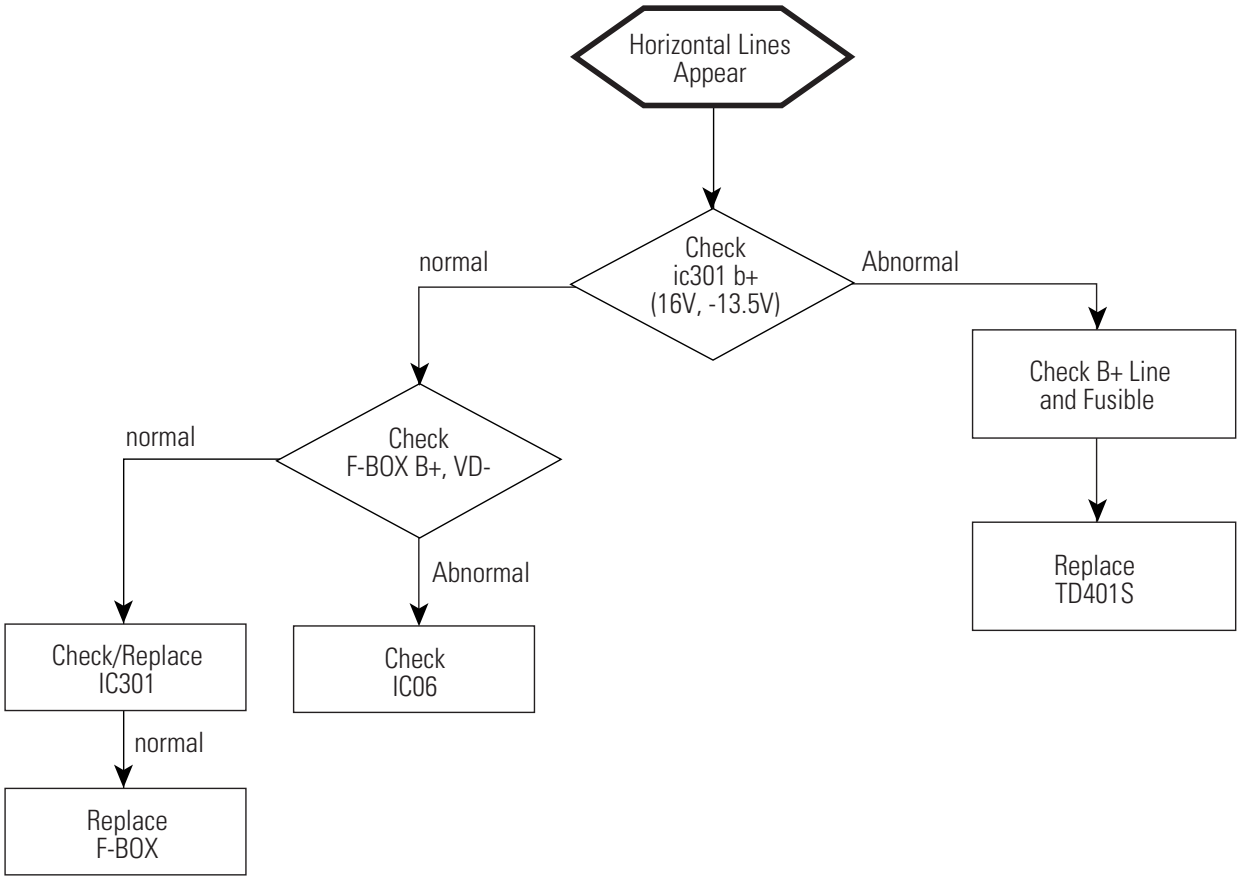
5-3 No Power


Disconnect the power cord
Check Power LED
Normal
Abnormal
Check IC901 pins 34, 49
Abnormal
Check IC902,IC903
normal
Check IC901 B+ (5VDD)
Normal
Check/Replace IC902, Check 12C
Abnormal
Check Q802
Abnormal
Replace Q802
Normal
Check R455
Normal
Check IC905 E2PROM
Abnormal
Check RL802S
Abnormal
Replace RL902S2
Normal
Check IC802S,FD802S FDD802S
Abnormal
Check CN902
Abnormal
Check 154V LINE
Abnormal
Abnormal
Check Q405 QF09, QF10
Normal
Check the voltage of Tra-ns Pin 1
Abnormal
Normal
Check F-BOX 5V B+
Abnormal
Check TRANS 28V, 16V LINE
Check IC804, FA801S
Check IC801S, DZ803, FD801S, DZ804, Q801
Check D806
Normal
Check F-BOX HD, VD
Abnormal
Check F-BOX 12C
Check Q404, Q405
Check H-BLK, V-BLK LINE
Normal
Replace F-BOX

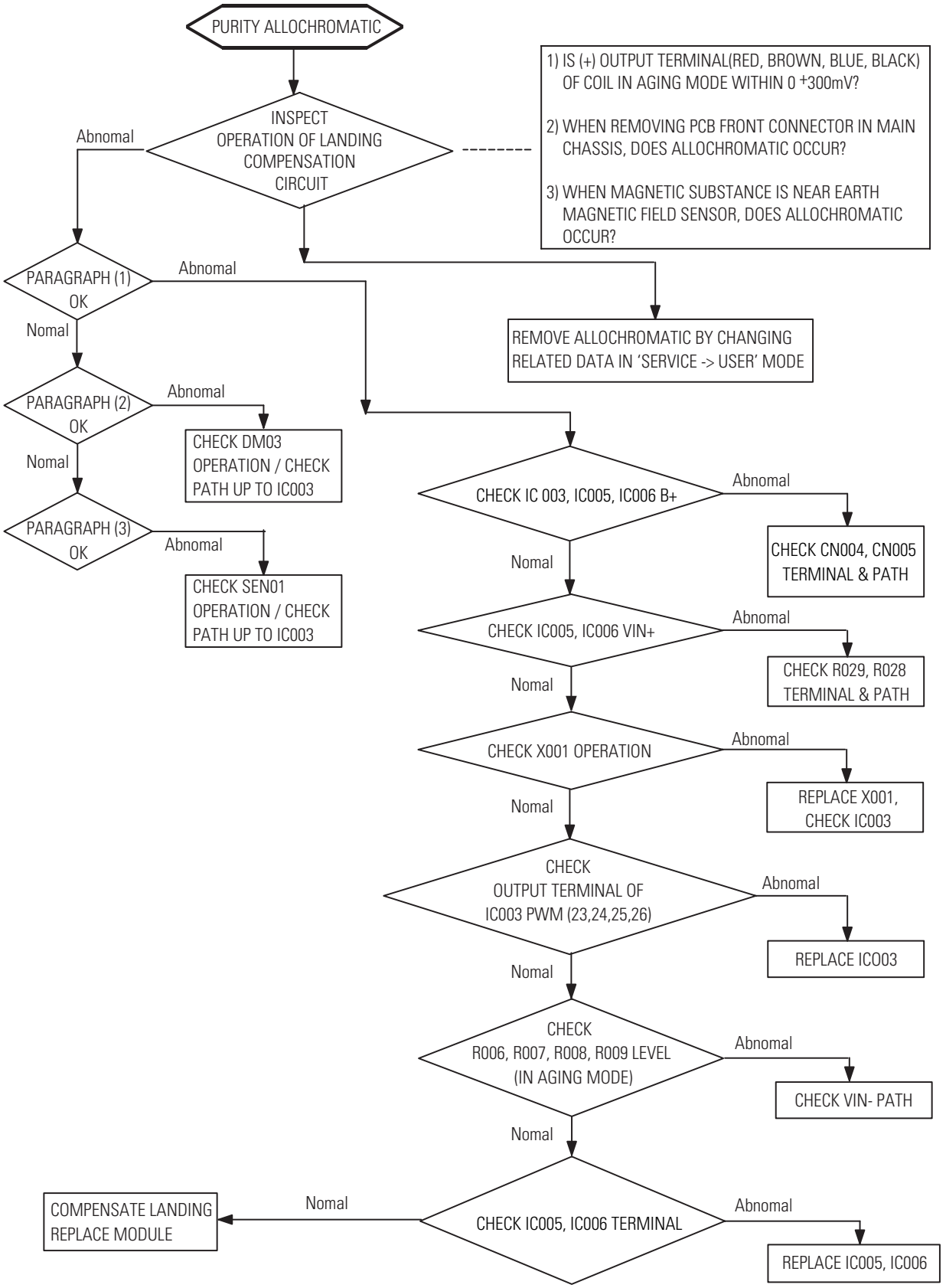
5-4 No Raster in High Voltage (Sound & Horizontal OK)



5-5 Horizontal Lines Appear on the screen

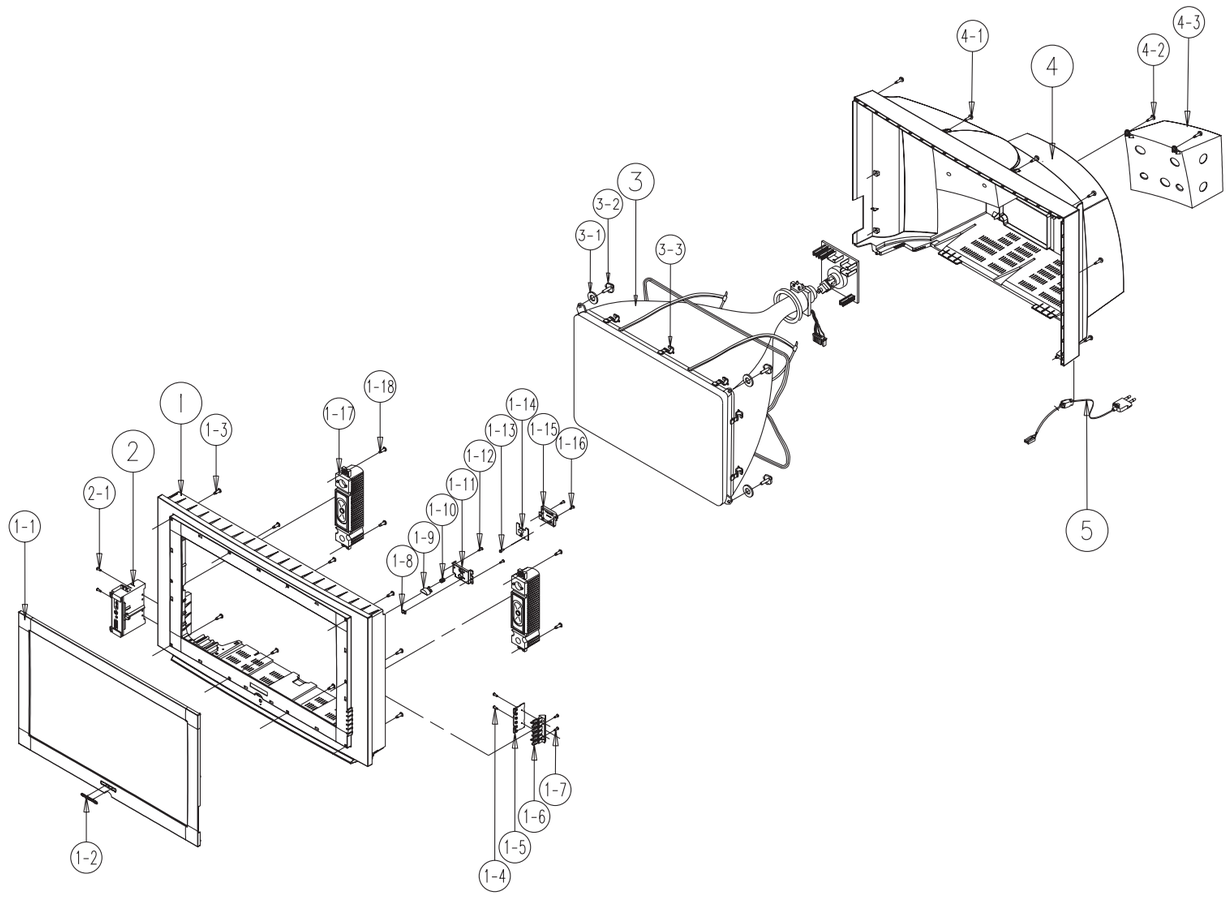


5-6 Purity Defect (Audio/ Video/ Sound : OK)



6. Exploded View & Parts List

6-1 TSL3099WHFXXAA



No	Code No	Description;Specification	Q'ty	Remark
1	AA91-00469H	ASSY CABINET FRONT;,TSL3099WHF,DG703+VT0	1	
1-1	AA64-01199F	CABINET-MASK;TSL3099,HIPS,VO,BLK,DG-703P	1	
1-2	AA64-01062B	BADGE BRAND;32Z5,AL FORGING,-,-,L65,-,SI	1	
1-3	6003-001019	SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR	10	MAS+CF
1-4	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	2	PCB+KC
1-5	AA95-01360A	ASSY PCB CONTROL;,K54A,TSL3099WHFXXAA	1	
1-6	AA64-01201F	KNOB CONTROL;32Z5,ABS,HB,BLK,DG-703P	1	
1-7	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	2	KC+CF
1-8	AA64-01203B	INDICATOR LED;32Z5,ACRYL,-,CLR,-,-,-	1	
1-9	AA64-01200F	KNOB POWER;32Z5,ABS,HB,BLK,DG-703P	1	
1-10	AA61-60003J	SPRING-CS;-,SUS304,-,-,OD6,N7,OD6,-,-,-	1	
1-11	AA64-01202B	WINDOW REMOCON;32Z5,PC,-,-,-,VO,VIOLET,-	1	
1-12	6003-001019	SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR	2	WIN+CF
1-13	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	1	PCB+HP
1-14	AA95-01217A	ASSY-TACK S/W;,32Z5,K54A,NTSC	1	
1-15	AA61-00450B	HOLDER-POWER;32Z5,ABS,-,-,-,GRAY,HB	1	
1-16	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	2	HP+CF
1-17	AA91-00486A	ASSY HOLDER SPK;-,PP,8ohm/10W,BLK,ZEUS S	1	
1-18	AA60-10050A	SCREW-ASSY;-,SWRCH18A,M4,L25,RH,+,WP,-,Z	4	DOME
2	AA61-00545A	HOLDER-AV,HOUSING ASSY;32Z5,ABS,-,-,-,GR	1	
2-1	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWR	2	DR+CF
3	AA94-05150A	ASSY CRT;W76QDE991X002,+380MG,32	1	
3-1	AA63-60004L	SPACER-GUM,CRT;-,NTR RUBBER,-,-,-,BLK,T3	4	CRT
3-2	AA60-10050V	SCREW-ASSY;-,SWRCH18A,M6,L30,HH,+,WC,-,Z	4	CRT+CF
3-3	AA65-30017A	CLAMP-D,COIL;-,NYLON-66,V0,-,NTR,DADH300	11	
4	AA64-01198B	CABINET BACK;32Z5,HIPS,-,-,-,VO,G4309,-	1	
4-1	AA60-10050T	SCREW-TAPPING;-,SWRCH18A,M4,L20,RH,+,2S,	8	CB+CF
4-2	6006-001096	SCREW-ASS'Y TAPT;WP,BH,+,M4.0,L12,BLK,SW	4	WOOFER
4-3	AA91-00487A	ASSY HOLDER SPK;-,PP,8ohm/25W,-,ZEUS SUB	1	
5	AA96-20129H	ASSY POWER CORD;-,EP2/YES,H/S 150mm,KJ10	1	

7. Electrical Parts List

7-1 TSL3099WHFXXAA

ASSY PCB MAIN(OPT)

Loc. No.		Code No.	Description ; Specification	Remark
1	*	AA94-02559E	ASSY PCB MAIN(OPT);TSL3099WF,K54A,USA	
..2	CJ701A	3722-001426	JACK-PIN;9P,3.4mm,NI,BLK,-	
..2	CJ702A	3722-001163	JACK-VHS;4P,12mm,AU,BLK,N	
..2	CJ704A	3722-001427	JACK-PIN;8P,3.4mm,NI,BLK,-	
..2	CN601A	AA39-00191A	LEAD CONNECTOR ASSY;,4P,35155-0400,35155	
..2	CN803A	3711-003241	CONNECTOR-HEADER;BOX,14P,1R,2.5mm,STRAIG	
..2	CN804A	3711-003241	CONNECTOR-HEADER;BOX,14P,1R,2.5mm,STRAIG	
..2	CNC904	AA39-00242A	LEAD CONNECTOR ASSY;,5P,67096-005,35184-	
..2	GT101A	AA39-20010N	LEAD CONNECTOR ASSY;,1P,YFH800-01,S,900M	
..2	IC603	AA96-50367D	ASSY H/S;-,POWER,AA62-30181D,TDA7269,Z	S.N.A
...3		0205-000129	GREASE-SILICON;SC102,JAPAN	
...3		1201-001385	IC-POWER AMP;7269A,ZIP,11,19.6,DUAL,13,P	
...3		6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
...3		AA62-30181D	HEAT-SINK,ES;-,AL6063 EXTR.,2,WHT,70MM,-	
⚠ ..2	IC802	AA96-50152A	ASSY-H/S;-,TR,AA62-30012A,KA7808,-	
...3		1203-000293	IC-POSI.FIXED REG.;7808,TO-220,3P,-,PLAS	
...3		6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
...3		AA62-30012A	HEAT-SINK,ES;-,A6063 EXTR,-,-,T0220,-,-,	S.N.A
⚠ ..2	IC803	AA96-50152D	ASSY-H/S;-,MAIN,AA62-30012A,KA7809,-	
...3		1203-000298	IC-POSI.FIXED REG.;7809,TO-220,3P,-,PLAS	
...3		6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
...3		AA62-30012A	HEAT-SINK,ES;-,A6063 EXTR,-,-,T0220,-,-,	S.N.A
⚠ ..2	IC804	AA96-50382B	ASSY-H/S;-,-,AA62-30180C,SI-3050,-	
...3		1203-000203	IC-POSI.ADJUST REG.;3050,TO-220,5P,-,PLA	
...3		6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
...3		AA62-30180C	HEAT-SINK,ES;-,A6063 EXTR.,2,WHT,50MM,-,	
⚠ ..2	IC805	AA96-50382B	ASSY-H/S;-,-,AA62-30180C,SI-3050,-	
..2	ICD603	AA96-50367D	ASSY H/S;-,POWER,AA62-30181D,TDA7269,Z	S.N.A
..2	IF-CAB	AA39-30007A	IF-CABLE;-,T,100mm,1365#26	
⚠ ..2	TU02S	AA40-00032A	TUNER-F/S;TCPN3081PC09A(S),NTSC,TR,181C	
..2		AA65-30105C	CLAMP-WIRE;ALL MODEL,NYLON 66,V2,-,NTR,5	
..2		AA65-30105A	CLAMP-WIRE;ALL MODEL,NYLON 66,V2,-,NTR,1	
..2		AA65-30109A	CLAMP-FBT;-,NYLON-66,V2,-,BLK,-	
..2		AA65-30110A	CLAMP-WIRE;ALL MODEL,NYLON 66,V2,-,BLK,P	
..2		AA99-30233H	ASSY-PCB ROBOT; AA94-02559E ,ER	S.N.A
...3	CN501A	3711-003974	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
...3	CN601	3711-003043	CONNECTOR-HEADER;BOX,4P,1R,2.5mm,STRAIGH	
...3	CN702A	3711-003641	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
...3	IC601	1204-001594	IC-SOUND PROCESSOR;MSP3440G-B6,SDIP,52P,	
...3	IC602	1201-000407	IC-POWER AMP;7050,DIP,8P,-,SINGLE,-,PLAS	
...3	IC701	1001-001073	IC-VIDEO SWITCH;TEA6415C,VIDEO SWITCH,DI	
...3	IC702	1001-001113	IC-AUDIO SWITCH;TEA6422,SOUND SWITCH ,SD	
...3	IC703	1002-001193	IC-A/D&D/A CONVERTER;PCF8591P,8bit,DIP,1	
⚠ ...3	IC806	1203-000165	IC-POSI.ADJUST REG.;78R12,TO-220,4P,-,PL	
...3	IC905	1103-001213	IC-EEPROM;M24C16-WBN6,2048x8Bit,SDIP,8P	
...3	ICH01	1204-001454	IC-VOLUME CONTROL;TDA7449L,DIP,20P,300MI	
⚠ ...3	TU01S	AA40-00020A	TUNER-F/S;TCLN3181PA09A(S),NTSC,TR,181C	
...3		AA99-10226V	ASSY-PCB MAIN,AUTO; AA99-30233H ,V	S.N.A
....4	C101	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4	C102	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
....4	C103	2401-002463	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
....4	C104	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
....4	C107	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C108	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C109	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C110	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C202	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4	C203	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C204	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4	C205	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C601	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C602	2202-000222	C-CERAMIC,MLC-AXIAL;3.3nF,20%,16V,Y5P,TP	
....4	C603	2301-000111	C-FILM,PEF;1.8nF,5%,50V,TP,6.5x3.0x5.5mm	
....4	C604	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C605	2202-000222	C-CERAMIC,MLC-AXIAL;3.3nF,20%,16V,Y5P,TP	
....4	C606	2301-000111	C-FILM,PEF;1.8nF,5%,50V,TP,6.5x3.0x5.5mm	
....4	C607	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C609	2301-000104	C-FILM,PEF;1.2nF,5%,50V,TP,6.5x3.0x5.5mm	
....4	C610	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4	C612	2301-000104	C-FILM,PEF;1.2nF,5%,50V,TP,6.5x3.0x5.5mm	
....4	C613	2202-000715	C-CERAMIC,MLC-AXIAL;1.2nF,20%,16V,Y5R,TP	
....4	C616	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4	C617	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4	C618	2201-000558	C-CERAMIC,DISC;0.47nF,10%,50V,Y5P,TP,5x3	
....4	C619	2201-000374	C-CERAMIC,DISC;0.22nF,5%,50V,NP0,TP,10.5	
....4	C620	2201-000112	C-CERAMIC,DISC;1.5nF,10%,50V,Y5V,TP,5x3.	
....4	C621	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4	C622	2401-001026	C-AL;3.3UF,20%,50V,GP,TP,5X11,5	
....4	C623	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C624	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4	C625	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4	C626	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4	C627	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
....4	C628	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4	C629	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4	C630	2201-000558	C-CERAMIC,DISC;0.47nF,10%,50V,Y5P,TP,5x3	
....4	C631	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
....4	C632	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
....4	C633	2201-000304	C-CERAMIC,DISC;0.001nF,0.25pF,50V,NP0,TP	
....4	C634	2201-000304	C-CERAMIC,DISC;0.001nF,0.25pF,50V,NP0,TP	
....4	C635	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C636	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C637	2301-000232	C-FILM,PEF;3.3nF,5%,50V,TP,8.1x4.5x13mm,	
....4	C638	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4	C640	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4	C642	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4	C643	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C644	2401-000192	C-AL;1000uF,20%,50V,GP,TP,16x25,7.	
....4	C645	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C646	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C647	2401-000192	C-AL;1000uF,20%,50V,GP,TP,16x25,7.	
....4	C648	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
....4	C649	2202-000183	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R,TP	
....4	C650	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
....4	C651	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
....4	C652	2202-000183	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R,TP	
....4	C653	2401-002216	C-AL;2200uF,20%,35V,GP,TP,16x25,7.	
....4	C654	2201-000119	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
....4	C655	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4	C656	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
....4	C657	2401-000962	C-AL;22uF,20%,50V,GP,TP,5x11,5	
....4	C659	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C660	2301-000232	C-FILM,PEF;3.3nF,5%,50V,TP,8.1x4.5x13mm,	
....4	C661	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4	C663	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C701	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4	C702	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4	C703	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4	C704	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4	C705	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4	C706	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4	C708	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4	C709	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4	C710	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4	C711	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4	C712	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4	C713	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4	C714	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4	C715	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4	C716	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	C717	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	C718	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	C719	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	C720	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4	C721	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	

Loc. No.	Code No.	Description ; Specification	Remark
....4 C722	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4 C723	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4 C724	2305-000355	C-FILM,MPEF;330nF,5%,63V,TP,-,5mm	
....4 C725	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4 C726	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4 C727	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4 C728	2305-000355	C-FILM,MPEF;330nF,5%,63V,TP,-,5mm	
....4 C729	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4 C730	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4 C731	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4 C732	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4 C733	2201-000982	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,TP,4	
....4 C734	2401-002463	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
....4 C735	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4 C738	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4 C739	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
....4 C740	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4 C741	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4 C745	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4 C746	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4 C747	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4 C801	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
....4 C802	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4 C803	2401-002463	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
....4 C804	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4 C805	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
....4 C806	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4 C807	2401-002463	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
....4 C808	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4 C809	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
....4 C810	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4 C811	2401-002463	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
....4 C812	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4 C813	2401-002463	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
....4 C814	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4 C815	2401-002463	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
....4 C816	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4 C819	2401-002463	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
....4 C820	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4 C825	2401-000287	C-AL;100uF,20%,16V,WT,TP,6.3x11,5	
....4 C901	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4 C902	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4 C903	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4 C905	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4 C906	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4 C907	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4 CB01	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4 CB02	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4 CD03	2401-002216	C-AL;2200uF,20%,35V,GP,TP,16x25,7.	
....4 CD04	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4 CD05	2401-002216	C-AL;2200uF,20%,35V,GP,TP,16x25,7.	
....4 CD06	2401-002216	C-AL;2200uF,20%,35V,GP,TP,16x25,7.	
....4 CD07	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4 CD09	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
....4 CD11	2401-000365	C-AL;100uF,20%,50V,WT,TP,10x12.5mm	
....4 CD12	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
....4 CD13	2301-000342	C-FILM,PEF;2.2nF,5%,50V,TP,7.4x3.9x13mm,	
....4 CD20	2301-000289	C-FILM,PEF;5.6nF,5%,50V,TP,7x6x3,5	
....4 CH01	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4 CH02	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4 CH03	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4 CH04	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4 CH05	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4 CN904A	3711-002644	CONNECTOR-HEADER;BOX,5P,1R,2.5mm,STRAIGH	
....4 CN905A	3711-002647	CONNECTOR-HEADER;BOX,8P,1R,2.5mm,STRAIGH	
....4 CND501	3711-002647	CONNECTOR-HEADER;BOX,8P,1R,2.5mm,STRAIGH	
....4 CND502	3711-002646	CONNECTOR-HEADER;BOX,7P,1R,2.5mm,STRAIGH	
....4 CP03	2401-002463	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
....4 CP04	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
....4 CP07	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4 CP08	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4 CS02	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4 CS30	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4 CS32	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
....4 D201	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D202	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D203	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D601	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D602	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D603	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D604	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D605	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4 D606	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4 D607	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4 D608	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
⚠ 4 D801	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
....4 DX01	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 DX02	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 DZ101	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,1W,DO-41,T	
....4 DZ201	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 DZ202	0403-001320	DIODE-ZENER;MTZJ6.2C,6.12-6.44V,500mW,DO	
....4 DZ203	0403-000367	DIODE-ZENER;UZ7.5BSC,7.5V,7.33-7.64V,500	
....4 DZ204	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4 DZ205	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 DZ601	0403-001316	DIODE-ZENER;MTZJ3.0A,2.85-3.07V,500mW,DO	
....4 DZ602	0403-000367	DIODE-ZENER;UZ7.5BSC,7.5V,7.33-7.64V,500	
....4 DZ603	0403-000367	DIODE-ZENER;UZ7.5BSC,7.5V,7.33-7.64V,500	
....4 DZ606	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,1W,DO-41,T	
....4 DZ607	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,1W,DO-41,T	
....4 J187	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2	
....4 J347	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4 L101	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
....4 L102	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4 L103	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4 L104	2701-000116	INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm	
....4 L106	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
....4 L601	2701-000170	INDUCTOR-AXIAL;3.9uH,10%,3x7mm	
....4 L602	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
....4 L603	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
....4 L604	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
....4 L701	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
....4 L702	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4 L703	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4 L704	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4 L705	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4 L706	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4 L707	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4 L708	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
....4 L709	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4 L710	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4 L711	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4 L712	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4 L801	2701-001040	INDUCTOR-AXIAL;10uH,10%,4.5x14mm	
....4 L802	2701-001040	INDUCTOR-AXIAL;10uH,10%,4.5x14mm	
....4 L901	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
....4 L902	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4 LH01	2701-000170	INDUCTOR-AXIAL;3.9uH,10%,3x7mm	
....4 LP02	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4 LP03	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4 LP04	2701-000116	INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm	
....4 LP06	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
....4 LS07	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
....4 Q201	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4 Q202	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4 Q601	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4 Q602	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4 Q603	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4 Q702	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4 Q703	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4 Q704	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4 Q705	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4 Q706	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4 Q707	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4 Q708	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4 Q709	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4 Q710	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
....4 Q711	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
....4 Q712	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,T	
....4 Q901	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,T	
....4 Q902	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,T	
....4 R101	2001-001006	R-CARBON;820HM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R102	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R103	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R110	2003-001093	R-METAL OXIDE(S);12Kohm,5%,2W,AF,TP,3.9x	

Loc. No.	Code No.	Description ; Specification	Remark
....4 R113	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R115	2001-001006	R-CARBON;82OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R203	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R204	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R205	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R208	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R209	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R210	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4 R211	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4 R212	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R213	2001-001006	R-CARBON;82OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R214	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R215	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R216	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R217	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2	
....4 R218	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R219	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R220	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R233	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R234	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R235	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R236	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R601	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R602	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R603	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R604	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R607	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R608	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2	
....4 R609	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R610	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2	
....4 R611	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R614	2001-001187	R-CARBON(S);75OHM,5%,1/2W,AA,TP,2.4X6.4M	
....4 R615	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R618	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R619	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	
....4 R622	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	
....4 R623	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R624	2001-001050	R-CARBON(S);1.5KOHM,5%,1/2W,AA,TP,2.4X6.	
....4 R625	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R626	2001-001178	R-CARBON(S);680OHM,5%,1/2W,AA,TP,2.4X6.4	
....4 R627	2001-001178	R-CARBON(S);680OHM,5%,1/2W,AA,TP,2.4X6.4	
....4 R628	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R629	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R630	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R631	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2	
....4 R632	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R635	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R636	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R637	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R638	2004-000253	R-METAL;11Kohm,1%,1/8W,AA,TP,1.8x3.2m	
....4 R639	2004-000253	R-METAL;11Kohm,1%,1/8W,AA,TP,1.8x3.2m	
....4 R701	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R702	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R703	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R704	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R705	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R706	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R707	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R708	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2	
....4 R709	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2	
....4 R710	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2	
....4 R711	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R713	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
....4 R714	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R715	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R716	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R717	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R718	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R719	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R720	2001-000938	R-CARBON;68OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R721	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R722	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R723	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R724	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R725	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R726	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R727	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R728	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R729	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R730	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R731	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R732	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R733	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R734	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R735	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2m	
....4 R736	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2m	
....4 R737	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R738	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R739	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R740	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R741	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R742	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R743	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R744	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R745	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R746	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R747	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R750	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R751	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R752	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R753	2001-000761	R-CARBON;430OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R754	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R755	2001-000761	R-CARBON;430OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R756	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R758	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R759	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R764	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R765	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R901	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R902	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R903	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R904	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R905	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R906	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R907	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R908	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R909	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
....4 R910	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 RC01	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 RC02	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 RC103	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 RD12	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	
....4 RD13	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2	
....4 RD17	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2	
....4 RD19	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
....4 RD20	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
....4 RD21	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 RD26	2001-001050	R-CARBON(S);1.5KOHM,5%,1/2W,AA,TP,2.4X6.	
....4 RD29	2001-000313	R-CARBON;11KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 RD30	2001-000313	R-CARBON;11KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 RD60	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 RH01	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 RH02	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 RN701	2011-000155	R-NETWORK;10Kohm,5%,1/8W,A,SIP,5P,BK	
....4 RX01	2001-000037	R-CARBON(S);330OHM,5%,1/2W,AA,TP,2.4X6.4	
....4 RX02	2001-001178	R-CARBON(S);680OHM,5%,1/2W,AA,TP,2.4X6.4	
....4 X601	2801-003903	CRYSTAL-UNIT;18.432MHz,25ppm,28-AAM,12pF	
....4	AA41-00483A	PCB-MAIN;WT-32Z5HR,FR-1,1L,A,1.6T,330X	S.N.A
..2	AA65-30018A	CLAMP-WIRE;DONG-A,NYLON-66,-,-,-,DATL-60	
..2	AA26-00069A	TRANS FBT;FUJ-29C002C(S),DREAM3,4,-,-,-	
..2	0205-000129	GREASE-SILICON;SC102,JAPAN	
..2	3301-001456	CORE-FERRITE;AE,15##7##18MM,-,-	
..2	AA27-00115A	COIL DEGAUSSING;-,-,21.0mH,-,75T,9ohm,-,	
..2	AA65-30017A	CLAMP-D,COIL;-,NYLON-66,V0,-,NTR,DADH300	
..2	AA65-30009A	CLAMP-FBT;-,ABS,V0,-,BLK,-	
..2	0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	

ASSY PCB POWER

1	*	AA95-01312A	ASSY PCB POWER;TSL3099WFXXAA,K54A,32,22	
..2	C477	2301-000213	C-FILM,PEF;220nF,5%,250V,TP,21.5x11,7.5	

Loc. No.	Code No.	Description ; Specification	Remark
..2 C809	2306-000323	C-FILM,MPPF;2.2nF,5%,1.6KV,TP,28.5x15.5x	
..2 C813	2401-003370	C-AL;47uF,20%,450V,GP,BK,16X35.5,7	
..2 C814	2401-003634	C-AL;1500UF,20%,250V,GP,BK,40X50MM	S.N.A
..2 C815	2401-003634	C-AL;1500UF,20%,250V,GP,BK,40X50MM	S.N.A
..2 C819	2401-002287	C-AL;470uF,20%,200V,WT,BK,25x40,10	
..2 C820	2401-003024	C-AL;220uF,20%,200V,WT,TP,22x35,10	
..2 C822	2401-001068	C-AL;3300uF,20%,50V,GP,BK,22x40,10	
..2 CN801	3711-003052	CONNECTOR-HEADER;BOX,10P,1R,2.5mm,STRAGH	
..2 CN803	3710-001103	CONNECTOR-SOCKET;14P,1R,2.5mm,STRAIGHT,S	
..2 CN804	3710-001103	CONNECTOR-SOCKET;14P,1R,2.5mm,STRAIGHT,S	
⚠ ..2 CR401S	2301-001398	C-FILM,MPPF;3.3nF,5%,2kV,TP,29x8.5x1.5mm	
⚠ ..2 CR402S	2301-001343	C-FILM,MPPF;3.9nF,5%,2kV,TP,29x9.5x16mm,	
⚠ ..2 CR403S	2301-001418	C-FILM,MPPF;1.5nF,5%,2kV,TP,29x7x13.5mm,	
⚠ ..2 CR404S	2301-001422	C-FILM,PPF;22nF,5%,800V,BK,29x10.5x17mm,	
⚠ ..2 CR405S	2301-001257	C-FILM,MPPF;640nF,5%,400V,TP,26x14.5x24,	
⚠ ..2 CR407S	2306-000350	C-FILM,MPPF;270NF,5%,400V,TP,26X18.5X10M	
⚠ ..2 CR408S	2301-001432	C-FILM,MPPF;120nF,5%,630V,TP,19x11.5x18m	
⚠ ..2 CR409S	2306-000326	C-FILM,MPPF;4.7nF,5%,1.6KV,TP,28.5x16x9m	
⚠ ..2 CR410S	2303-000128	C-FILM,PPF;12nF,5%,1.6KV,BK,31x21x14,25m	
⚠ ..2 CR411S	2301-001091	C-FILM,MPPF;470nF,5%,400V,TP,26x21.5x14.	
⚠ ..2 CX801S	2306-000318	C-FILM,MPPF;220nF,20%,250V,TP,-,22.5mm	
⚠ ..2 CX803S	2306-000112	C-FILM,MPPF;100nF,20%,250V,BK,-,15mm	
⚠ ..2 CY801S	2201-000539	C-CERAMIC,DISC;4.7nF,20%,250V,Y5V,BK,16x	
⚠ ..2 CY802S	2201-000539	C-CERAMIC,DISC;4.7nF,20%,250V,Y5V,BK,16x	
..2 D410	0402-000236	DIODE-RECTIFIER;GI824,400V,5A,-,TP	
⚠ ..2 D801S	AA96-50310C	ASSY H/S;-,POWER,AA62-30150C,GSIB 660,	S.N.A
...3	AA62-30150C	HEAT-SINK,ES;-,A6063 EXTR,-,WHT,40(24.5)	S.N.A
...3	AA60-30003A	WASHER;-,-,-,T1.5,-,SBHG-1,-	
...3	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
...3	0402-001399	DIODE-BRIDGE;GSIB660,600V,6A,SIP-4,BK	
...3	0205-000129	GREASE-SILICON;SC102,JAPAN	
⚠ ..2 D804	0402-000250	DIODE-RECTIFIER;RG4C,1000V,1A,-	
⚠ ..2 D819	0402-000233	DIODE-RECTIFIER;FML-G12S,200V,5A,-,-	
⚠ ..2 FD801S	3601-000300	FUSE-CARTRIDGE;250V,6.3A,SLOW-BLOW,GLASS	
..2 GTH01	AA39-00193A	LEAD CONNECTOR ASSY;,3P,YFH800-03,S,YFH8	
..2 IC301	AA96-50381A	ASSY-H/S;-,-,AA62-30180B,LA7845,-	S.N.A
...3	0205-000129	GREASE-SILICON;SC102,JAPAN	
...3	1204-000517	IC-VERTIVAL DEF.;LA7845,SIP,7P,-,PLASTIC	
...3	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
...3	AA62-30180B	HEAT-SINK,ES;-,A6063 EXTR.,2,WHT,70MM,-,	S.N.A
⚠ ..2 IC403	1201-000191	IC-OP AMP;4558,DIP,8P,300MIL,DUAL,20V/m	
..2 IC801S	AA96-00490A	ASSY H/S;-,POWER,AA62-30173J,STR 6658B	S.N.A
...3	0205-000129	GREASE-SILICON;SC102,JAPAN	
...3	1203-002091	IC-PWM CONTROLLER;6658,TO-220,5P,-,PLAST	
...3	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
...3	AA62-30173J	HEAT SINK-ES;ZESUS,A6063 EXTR,2.0,90.2,7	S.N.A
⚠ ..2 IC803S	AA13-00024A	IC-HYBRID;-,TNY253P,-,8PIN,-,-	
..2 L402	3301-000374	CORE-FERRITE BEAD;AA,3.5x1.0x9.0mm,-,-	
⚠ ..2 L403	3301-000374	CORE-FERRITE BEAD;AA,3.5x1.0x9.0mm,-,-	
..2 L812	AA27-10002L	COIL-CHOKE;-,24uH,K,-,2A,-,24UH-K,10x10m	
..2 L815	AA27-10002L	COIL-CHOKE;-,24uH,K,-,2A,-,24UH-K,10x10m	
⚠ ..2 LC401S	AA27-00104A	COIL LINEARITY;4.0uH,4.0uH,DR 15X18,-,18	
⚠ ..2 LC402S	AA27-00107A	COIL HORIZ. WIDTH;-,10mH,DR 17X25,-,BK,4	
⚠ ..2 LC403S	AA27-00105A	COIL HORIZ. WIDTH;-,55uH,DR 15X27.5,-,BK	
⚠ ..2 LC404S	AA27-40001S	COIL-HORIZ.WIDTH;-,110uH,SB-5S8202.6,PI0	
⚠ ..2 LX804S	AA29-00014A	FILTER LINE NOISE;WT-32Z5,35-2.5MH 4.5A,	
⚠ ..2 NT802S	1404-001195	THERMISTOR-NTC;5.1ohm,15%,2900,27mW/C,BK	
⚠ ..2 PC801S	0604-001038	PHOTO-COUPLER;TR,130-260%,200mW,DIP-4,ST	
⚠ ..2 PC802S	0604-001032	PHOTO-COUPLER;TR,170-260%,300mW,DIP-4,ST	
..2 PCB	AA41-00273D	PCB-POWER;WT-32Z5HD,CEM-1,1L,B,1.6T,330	S.N.A
⚠ ..2 PT801S	1404-001154	THERMISTOR-PTC;4.5OHM,+30%/-20%,220V,270	
..2 Q403	1203-000162	IC-POSI.ADJUST REG.;317,TO-220,3P,-,PLAS	
..2 Q404	0505-001116	FET-SILICON;BUZ73A,N,200V,22A,0.6ohm,40W	
..2 Q410	AA96-50378A	ASSY-H/S;-,-,AA62-30183A,KSD73Y,-	
...3	0205-000129	GREASE-SILICON;SC102,JAPAN	
...3	0502-000298	TR-POWER;KSD73,NPN,30000mW,TO-220,TP,1	
...3	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
...3	AA62-30183A	HEAT-SINK,ES;A6063,EXTR,SILVER,WHT,ANOD,	
..2 Q801	1004-000101	IC-ECC;SE-140N,DIP,-,-,ST,-,PLASTIC,	
..2 QH400	AA96-00584A	ASSY H/S;-,POWER,AA62-00073C,2SD921,FM	S.N.A
...3	6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	
...3	AA60-30001A	WASHER-PLATE;M3,ID3.5,15X8.5,T1.0,-,SBHG	
...3	AA61-00469B	BRACKET;ZESUS,SECC,T1.0,14.5,33.5,-,H	S.N.A
...3	AA62-00073C	HEAT SINK;ZEUS,A1050S,T2.0,W130,L120,SI	S.N.A
...3	AA73-00001A	RUBBER;ZEUS,SILICON,25*31,6,T0.5,GRA	
...3	0505-001202	FET-SILICON;IRFS640A,N,200V,9.8A,0.18ohm	
...3	0205-000129	GREASE-SILICON;SC102,JAPAN	
...3	0402-001176	DIODE-RECTIFIER;FMQ-G5GS,1.7KV,10A,TO-22	
...3	0502-001100	TR-POWER;2SC4125,NPN,70W,TO-3PML,BK,8-	
...3	0502-001104	TR-POWER;2SD921,NPN,80W,TO-3P,BK,700-	
...3	0502-001187	TR-POWER;2SC5612,NPN,220000mW,TO-3PL,B	
..2 QH810	AA96-00309B	ASSY H/S;-,POWER,AA62-00061A,FMG-G2CS(	S.N.A
...3	AA62-00061A	HEAT SINK-PS;-,-,T1.0,SILVER,-,-,-,-,104	S.N.A
...3	6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	
...3	0402-001230	DIODE-RECTIFIER;FMG-G2CS,1000V,3A,TO-220	
...3	0402-000233	DIODE-RECTIFIER;FML-G12S,200V,5A,-,-	
...3	0205-000129	GREASE-SILICON;SC102,JAPAN	
..2 R470	2003-001024	R-METAL OXIDE(S);150ohm,5%,2W,AF,TP,3.9x	
..2 R812	2009-001096	R-METAL PLATE;0.07ohm,5%,5W,CL,BK,5x14x1	
⚠ ..2 RL801S	3501-001040	RELAY-POWER;12VDC,500mW,10A,1FormA,15mS,	
⚠ ..2 RL802S	3501-001053	RELAY-POWER;5Vdc,530mW,10A,1FormA,15mS,5	
⚠ ..2 T401	AA26-50001S	TRANS-HORIZ.DRIVE;-,-,-,6.0mH,-,-,44uH,-	
⚠ ..2 T444S	AA26-00090A	TRANS FBT;FUJ29A006(S),-,0.35mH,-,-,-,1	
⚠ ..2 T801S	AA26-00074A	TRANS SWITCHING;CODE-NO,WT-32Z5,-,AC90~2	
⚠ ..2 TD401S	AA26-00079A	TRANS-DUMMY;-,-,18P,4mH,155V,12Ap_p,-,13	
⚠ ..2 TD402S	AA26-00091A	TRANS-HV-STORAGE;4mH,-,14P,830uH,180V,10	
⚠ ..2 TS801S	AA26-00055A	TRANS SWITCHING;-,-,-,AC80~280V,-,-,-,4m	
..2	0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	
..2	AA99-20100H	ASSY-PCB SUB,AUTO; AA95-01312A ,V	S.N.A
...3 C301	2301-000160	C-FILM,PEF;12nF,5%,50V,TP,11.0x6.0x9.0mm	
...3 C302	2201-000132	C-CERAMIC,DISC;0.1nF,10%,500V,Y5P,TP,6.5	
...3 C304	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
...3 C305	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
...3 C306	2305-000285	C-FILM,MPEF;220NF,5%,100V,TP,10.5X5.5X15	
...3 C307	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
...3 C308	2305-000407	C-FILM,MPEF;470nF,5%,100V,TP,-,5mm	
...3 C416	2401-000430	C-AL;10uF,20%,250V,GP,TP,10x16mm,5	
...3 C418	2201-000291	C-CERAMIC,DISC;1nF,10%,500V,Y5P,TP,7.5x3	
...3 C420	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
...3 C421	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
...3 C422	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
...3 C423	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
...3 C424	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
...3 C425	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3 C426	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
...3 C427	2401-003139	C-AL;1000uF,20%,25V,WT,TP,10*20,5m	
...3 C428	2401-002231	C-AL;470uF,20%,50V,WT,TP,13x20mm,5	
...3 C429	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
...3 C430	2401-002288	C-AL;470uF,20%,25V,WT,TP,10x20,5	
...3 C431	2401-003034	C-AL;220uF,20%,16V,WT,TP,8x11.5,5	
...3 C432	2201-000180	C-CERAMIC,DISC;10nF,10%,50V,Y5V,TP,7x3,5	
...3 C433	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
...3 C442	2401-001563	C-AL;47uF,20%,400V,GP,TP,16x25,7.5	
...3 C450	2301-000020	C-FILM,PEF;27nF,5%,100V,TP,7.3x4x12.5mm,	
...3 C451	2401-003058	C-AL;100uF,20%,200V,WT,TP,16x25,7.	
...3 C452	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
...3 C472	2401-003058	C-AL;100uF,20%,200V,WT,TP,16x25,7.	
...3 C480	2301-000200	C-FILM,PEF;2.2nF,5%,200V,TP,11.0x6.0x9.0	
...3 C483	2401-000667	C-AL;2.2uF,20%,50V,WT,TP,5x11,5	
...3 C484	2201-000132	C-CERAMIC,DISC;0.1nF,10%,500V,Y5P,TP,6.5	
...3 C803	2201-000315	C-CERAMIC,DISC;2.2nF,+80-20%,250V,Y5U,TP	
...3 C804	2201-000119	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
...3 C805	2201-002076	C-CERAMIC,DISC;0.068nF,5%,1kV,SL,TP,8x4m	
...3 C806	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
...3 C808	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3.5,	
...3 C810	2401-001914	C-AL;1uF,20%,50V,BP,TP,5x11,5	
...3 C811	2201-000315	C-CERAMIC,DISC;2.2nF,+80-20%,250V,Y5U,TP	
...3 C812	2201-000332	C-CERAMIC,DISC;2.2nF,20%,250V,Y5U,TP,9x4	
...3 C816	2201-002041	C-CERAMIC,DISC;0.82nF,10%,2kV,Y5P,TP,9x5	
...3 C818	2201-000551	C-CERAMIC,DISC;0.47nF,10%,1kV,Y5P,TP,6.3	
...3 C821	2201-000551	C-CERAMIC,DISC;0.47nF,10%,1kV,Y5P,TP,6.3	
...3 C823	2301-001171	C-FILM,PPF;10nF,5%,400V,TP,20x6.5x13,7.5	
...3 C824	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
...3 C825	2401-000722	C-AL;2200uF,20%,25V,WT,TP,16x25,7.	
...3 C826	2401-000722	C-AL;2200uF,20%,25V,WT,TP,16x25,7.	
...3 C827	2301-000192	C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm	
...3 C828	2401-000722	C-AL;2200uF,20%,25V,WT,TP,16x25,7.	
...3 C829	2401-001397	C-AL;470uF,20%,25V,GP,TP,10x16,5	
...3 C833	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
...3 C834	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
...3 C835	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
...3 C838	2401-002463	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
...3 C839	2201-000551	C-CERAMIC,DISC;0.47nF,10%,1kV,Y5P,TP,6.3	
⚠ ...3 CR406S	2301-001401	C-FILM,PPF;27nF,5%,630V,TP,19x11x17mm,7.	

Loc. No.	Code No.	Description ; Specification	Remark
...3 D301	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
...3 D401	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3 D402	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3 D404	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
...3 D405	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3 D408	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
...3 D409	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,T	
...3 D411	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3 D413	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
...3 D414	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
...3 D420	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
...3 D431	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
...3 D444	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
...3 D474	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
⚠ ...3 D801	0402-000532	DIODE-RECTIFIER;ERC13-08,800V,1.2A,DO-20	
⚠ ...3 D802	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
⚠ ...3 D803	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
⚠ ...3 D806	0402-000532	DIODE-RECTIFIER;ERC13-08,800V,1.2A,DO-20	
⚠ ...3 D807	0402-000532	DIODE-RECTIFIER;ERC13-08,800V,1.2A,DO-20	
⚠ ...3 D812	0403-000716	DIODE-ZENER;MTZJ4.7B,4.7V,4.55-4.8V,500m	
⚠ ...3 D813	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,T	
⚠ ...3 D815	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
⚠ ...3 D816	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
⚠ ...3 D820	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
⚠ ...3 D821	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
...3 DZ301	0403-001329	DIODE-ZENER;MTZJ24B,22.61-23.77V,500mW,D	
...3 DZ302	0403-001329	DIODE-ZENER;MTZJ24B,22.61-23.77V,500mW,D	
...3 DZ303	0403-001221	DIODE-ZENER;UZ39BSB,35.36-37.19V,500MW,D	
...3 DZ304	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,1W,DO-41,T	
...3 DZ305	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
...3 DZ306	0403-000716	DIODE-ZENER;MTZJ4.7B,4.7V,4.55-4.8V,500m	
...3 DZ307	0403-001330	DIODE-ZENER;MTZJ30A,26.99-28.39V,500mW,D	
...3 DZ400	0403-001327	DIODE-ZENER;MTZJ18A,16.22-17.06V,500mW,D	
...3 DZ401	0403-001322	DIODE-ZENER;MTZJ8.2B,7.78-8.19V,500mW,DO	
...3 DZ403	0403-001327	DIODE-ZENER;MTZJ18A,16.22-17.06V,500mW,D	
...3 DZ410	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
...3 DZ801	0403-001322	DIODE-ZENER;MTZJ8.2B,7.78-8.19V,500mW,DO	
...3 DZ802	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
...3 DZ803	0403-001327	DIODE-ZENER;MTZJ18A,16.22-17.06V,500mW,D	
...3 DZ805	0406-001106	DIODE-TVS;P6KE300A,285/-/315V,600W,DO-2	
...3 DZ806	0406-001106	DIODE-TVS;P6KE300A,285/-/315V,600W,DO-2	
...3 DZ807	0403-000718	DIODE-ZENER;MTZJ6.8B,6.8V,6.49-6.83V,500	
...3 DZ808	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,1W,DO-41,T	
⚠ ...3 FA801S	3601-001163	FUSE-AXIAL LEAD;125V,7A,-,EPOXY,2.4X7.1M	S.N.A
⚠ ...3 FA802S	3601-001228	FUSE-AXIAL LEAD;125V,10A,FAST-ACTING,EPO	
...3 FD801A	3602-000114	FUSE-HOLDER;-,-,30mohm	
⚠ ...3 FD801B	3602-000114	FUSE-HOLDER;-,-,30mohm	
⚠ ...3 FD802S	3601-000120	FUSE-AXIAL LEAD;125V,2.5A,FAST-ACTING,GL	
...3 L302	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
...3 L303	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
...3 L412	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
...3 L481	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
...3 L483	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
...3 L803	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
...3 L804	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 L805	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 L806	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 L807	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
...3 L808	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
...3 L809	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
...3 L810	2701-001030	INDUCTOR-AXIAL;43uH,10%,5x14mm	
...3 L811	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 L813	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 L814	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 L817	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
...3 L818	2701-001030	INDUCTOR-AXIAL;43uH,10%,5x14mm	
...3 L822	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 L823	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 Q401	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 Q402	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 Q411	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
...3 Q802	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1000mW,TO-	
...3 Q803	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1000mW,TO-	
...3 Q804	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 R301	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R302	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R303	2003-000462	R-METAL OXIDE(S);10Kohm,5%,2W,AA,TP,4x12	

Loc. No.	Code No.	Description ; Specification	Remark
...3 R304	2003-000462	R-METAL OXIDE(S);10Kohm,5%,2W,AA,TP,4x12	
...3 R305	2008-001015	R-FUSIBLE(S);1.5ohm,5%,2W,AF,TP,3.9x10mm	
...3 R306	2001-001163	R-CARBON(S);560OHM,5%,1/2W,AA,TP,2.4X6.4	
...3 R307	2001-001144	R-CARBON(S);4.7KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R309	2001-000016	R-CARBON(S);1OHM,5%,1/2W,AA,TP,2.4X6.4MM	
...3 R310	2003-001024	R-METAL OXIDE(S);150ohm,5%,2W,AF,TP,3.9x	
...3 R311	2003-001024	R-METAL OXIDE(S);150ohm,5%,2W,AF,TP,3.9x	
...3 R312	2004-004366	R-METAL(S);1.3Kohm,1%,1/2W,AA,TP,2.5x6.5	
...3 R313	2008-001013	R-FUSIBLE(S);1.2ohm,5%,2W,AF,TP,3.9x10mm	
...3 R314	2004-001369	R-METAL(S);1.2Kohm,1%,1/2W,AA,TP,2.4x6.4	
...3 R315	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R316	2001-000356	R-CARBON;150KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3 R401	2008-001002	R-FUSIBLE(S);0.18ohm,10%,2W,AA,TP,3.9x10	
...3 R402	2001-001168	R-CARBON(S);6.8KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R404	2001-001045	R-CARBON(S);1.2KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R409	2003-000532	R-METAL OXIDE(S);18ohm,5%,2W,AF,TP,4x12m	
...3 R410	2003-002205	R-METAL OXIDE(S);330ohm,5%,2W,AG,TP,3.9X	
...3 R411	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R412	2001-001155	R-CARBON(S);5.6KOHM,5%,1/2W,AA,TP,2.4X6.	
⚠ ...3 R412S	2008-000251	R-FUSIBLE(S);0.27ohm,5%,2W,AF,TP,3.9x10m	
...3 R414	2003-001038	R-METAL OXIDE(S);4.7ohm,5%,2W,AF,TP,3.9x	
...3 R418	2001-000347	R-CARBON;13KOHM,5%,1/8W,AA,TP,1.8X3.2M	
⚠ ...3 R419S	2008-001135	R-FUSIBLE(S);3.9ohm,5%,1W,AF,TP,3.9x10mm	
...3 R420	2001-001155	R-CARBON(S);5.6KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R422	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,TP,2.4X6.4	
⚠ ...3 R423S	2008-001113	R-FUSIBLE(S);0.22ohm,10%,2W,AG,TP,3.9x12	
⚠ ...3 R424S	2008-000251	R-FUSIBLE(S);0.27ohm,5%,2W,AF,TP,3.9x10m	
⚠ ...3 R425S	2008-001076	R-FUSIBLE(S);1.8ohm,5%,2W,AF,TP,3.9x10mm	
...3 R430	2004-002011	R-METAL(S);110Kohm,1%,1/2W,AA,TP,2.4x6.4	
...3 R431	2004-001395	R-METAL(S);330Kohm,2%,1/2W,AA,TP,2.4x6.4	
...3 R432	2004-004046	R-METAL(S);430Kohm,1%,1/2W,AA,TP,2.5x6.5	
...3 R433	2004-001892	R-METAL(S);162Kohm,1%,1/2W,AA,TP,2.5x6.5	
...3 R434	2004-004001	R-METAL(S);180Kohm,1%,1/2W,AA,TP,2.5x6.5	
...3 R437	2004-004046	R-METAL(S);430Kohm,1%,1/2W,AA,TP,2.5x6.5	
...3 R438	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3 R440	2004-001893	R-METAL(S);22Kohm,1%,1/2W,AA,TP,2.5x6.5m	
...3 R441	2004-001892	R-METAL(S);162Kohm,1%,1/2W,AA,TP,2.5x6.5	
...3 R442	2001-001122	R-CARBON(S);3.9KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R443	2004-001376	R-METAL(S);11Kohm,1%,1/2W,AA,TP,2.4x6.4m	
...3 R444	2004-001369	R-METAL(S);1.2Kohm,1%,1/2W,AA,TP,2.4x6.4	
...3 R445	2004-001397	R-METAL(S);4.7Kohm,1%,1/2W,AA,TP,2.4x6.4	
...3 R449	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R451	2001-001150	R-CARBON(S);470KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R452	2003-000995	R-METAL OXIDE(S);3.3Kohm,5%,2W,AF,TP,3.9	
...3 R453	2004-001987	R-METAL(S);4.3Kohm,1%,1/2W,AA,TP,2.4x6.4	
...3 R455	2008-001003	R-FUSIBLE(S);5.6ohm,5%,1W,AF,TP,3.9x10mm	
...3 R457	2001-001159	R-CARBON(S);510OHM,5%,1/2W,AA,TP,2.4X6.4	
...3 R460	2004-001394	R-METAL(S);2Kohm,1%,1/2W,AA,TP,2.4x6.4mm	
...3 R464	2008-000189	R-FUSIBLE;0.47ohm,10%,2W,AA,TP,6x15.5mm	
...3 R465	2004-001893	R-METAL(S);22Kohm,1%,1/2W,AA,TP,2.5x6.5m	
...3 R468	2004-001893	R-METAL(S);22Kohm,1%,1/2W,AA,TP,2.5x6.5m	
...3 R469	2004-001390	R-METAL(S);1Kohm,2%,1/2W,AA,TP,2.4x6.4mm	
...3 R471	2004-000698	R-METAL;3.3Kohm,1%,1/4W,AA,TP,2.4x6.4	
...3 R472	2008-000252	R-FUSIBLE(S);0.47ohm,10%,1/2W,AF,TP,2.5x	
...3 R473	2004-001402	R-METAL(S);6.8Kohm,1%,1/2W,AA,TP,2.4x6.4	
...3 R474	2004-002019	R-METAL(S);33Kohm,1%,1/2W,AA,TP,2.5x6.5m	
...3 R476	2004-005001	R-METAL(S);820ohm,1%,1/2W,AA,TP,2.5x6.5m	
...3 R477	2009-001109	R-TEMPERATURE;240ohm,5%,1/4W,AA,TP,2.3x6	
...3 R478	2004-000698	R-METAL;3.3Kohm,1%,1/4W,AA,TP,2.4x6.4	
...3 R479	2004-005001	R-METAL(S);820ohm,1%,1/2W,AA,TP,2.5x6.5m	
...3 R486	2003-002014	R-METAL OXIDE(S);0.6ohm,5%,2W,AF,TP,3.9x	
...3 R802	2001-001055	R-CARBON(S);1.8KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R804	2001-001159	R-CARBON(S);510OHM,5%,1/2W,AA,TP,2.4X6.4	
⚠ ...3 R809S	2008-001011	R-FUSIBLE(S);0.18ohm,10%,2W,AF,TP,3.9x10	
...3 R810	2001-001178	R-CARBON(S);680OHM,5%,1/2W,AA,TP,2.4X6.4	
...3 R811	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3 R813	2001-001097	R-CARBON(S);2.4KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R814	2008-000266	R-FUSIBLE(S);1ohm,5%,2W,AF,TP,3.9x10mm	
...3 R815	2003-002206	R-METAL OXIDE(S);27Kohm,5%,3W,AG,TP,6x16	
...3 R816	2003-002206	R-METAL OXIDE(S);27Kohm,5%,3W,AG,TP,6x16	
...3 R817	2001-001144	R-CARBON(S);4.7KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R818	2004-001369	R-METAL(S);1.2Kohm,1%,1/2W,AA,TP,2.4x6.4	
...3 R819	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R820	2001-000002	R-CARBON(S);200KOHM,5%,1/2W,AA,TP,6.4X2.	
...3 R821	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R823	2001-001112	R-CARBON(S);24KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3 R824	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	

Loc. No.	Code No.	Description ; Specification	Remark
...3 R825	2001-001106	R-CARBON(S);220KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R826	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
...3 R827	2001-001097	R-CARBON(S);2.4KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R830	2001-000019	R-CARBON(S);100HM,5%,1/2W,AA,TP,2.4X6.4M	
...3 R831	2001-001087	R-CARBON(S);18OHM,5%,1/2W,AA,TP,2.4X6.4M	
...3 R832	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
...3 R833	2001-001070	R-CARBON(S);120OHM,5%,1/2W,AA,TP,2.4X6.4	
...3 R834	2003-001025	R-METAL OXIDE(S);15Kohm,5%,2W,AF,TP,3.9x	
...3 R835	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R836	2008-001014	R-FUSIBLE(S);22ohm,5%,1W,AF,TP,3.2x10mm	
...3 R841	2001-000002	R-CARBON(S);200KOHM,5%,1/2W,AA,TP,6.4X2.	
...3 R860	2003-002151	R-METAL OXIDE;18KOHM,5%,2W,AG,TP,6X16MM	
...3 R861	2003-002151	R-METAL OXIDE;18KOHM,5%,2W,AG,TP,6X16MM	
⚠ ...3 RR400S	2103-001086	VR-SEMI;100KOHM,25%,0.3W,TOP	
⚠ ...3 RR401S	2103-001024	VR-SEMI;50Kohm,25%,0.3W,TOP	
⚠ ...3 RY801S	2002-001012	R-COMPOSITION;8.2Mohm,5%,1/2W,AA,TP,3.7x	

ASSY-PCB,NTSC FBOX

1	*	AA95-00689A	ASSY-PCB,NTSC FBOX;-,WT-32Z5HI,K54A,NTSC	
..2	CN01	3711-003543	CONNECTOR-HEADER;NOWALL,16P,1R,2.54mm,AN	
..2	CN02	3711-003543	CONNECTOR-HEADER;NOWALL,16P,1R,2.54mm,AN	
..2	CN03	3711-001283	CONNECTOR-HEADER;NOWALL,14P,1R,2.5mm,ANG	
..2	CN04	3711-001283	CONNECTOR-HEADER;NOWALL,14P,1R,2.5mm,ANG	
..2	CX01	2801-004019	CRYSTAL-UNIT;20.25MHz,30ppm,28-AAM,13pF,	
..2	DX01	2801-003811	CRYSTAL-UNIT;24.576MHZ,20PPM,28-AAM,30PF	
..2	PX01	2801-004019	CRYSTAL-UNIT;20.25MHz,30ppm,28-AAM,13pF,	
..2		AA99-20076A	ASSY-PCB SUB,AUTO; AA95-00689A ,V	S.N.A
...3	CC01	2203-001603	C-CERAMIC,CHIP;220nF,10%,16V,X7R,TP,2012	
...3	CC02	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
...3	CC03	2203-001603	C-CERAMIC,CHIP;220nF,10%,16V,X7R,TP,2012	
...3	CC04	2203-001603	C-CERAMIC,CHIP;220nF,10%,16V,X7R,TP,2012	
...3	CC05	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3	CC06	2203-000839	C-CERAMIC,CHIP;0.39nF,5%,50V,NP0,TP,2012	
...3	CC07	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3	CC08	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
...3	CC09	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3	CC10	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3	CC11	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3	CC12	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3	CC13	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3	CC14	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3	CC15	2203-001172	C-CERAMIC,CHIP;0.006nF,0.25pF,50V,NP0,TP	
...3	CC16	2203-001172	C-CERAMIC,CHIP;0.006nF,0.25pF,50V,NP0,TP	
...3	CC17	2401-002042	C-AL;220uF,20%,10V,GP,TP,6.3x11,5	
...3	CC18	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
...3	CC19	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3	CC20	2203-001603	C-CERAMIC,CHIP;220nF,10%,16V,X7R,TP,2012	
...3	CC21	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3	CC22	2203-000839	C-CERAMIC,CHIP;0.39nF,5%,50V,NP0,TP,2012	
...3	CC23	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
...3	CC24	2203-005590	C-CERAMIC,CHIP;330NF,10%,16V,X7R,TP,2012	
...3	CC25	2203-005590	C-CERAMIC,CHIP;330NF,10%,16V,X7R,TP,2012	
...3	CC26	2203-005590	C-CERAMIC,CHIP;330NF,10%,16V,X7R,TP,2012	
...3	CC27	2203-005590	C-CERAMIC,CHIP;330NF,10%,16V,X7R,TP,2012	
...3	CC28	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3	CC29	2203-001603	C-CERAMIC,CHIP;220nF,10%,16V,X7R,TP,2012	
...3	CC30	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3	CC31	2203-000839	C-CERAMIC,CHIP;0.39nF,5%,50V,NP0,TP,2012	
...3	CC32	2401-002042	C-AL;220uF,20%,10V,GP,TP,6.3x11,5	
...3	CC33	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
...3	CC35	2203-005590	C-CERAMIC,CHIP;330NF,10%,16V,X7R,TP,2012	
...3	CC36	2203-005590	C-CERAMIC,CHIP;330NF,10%,16V,X7R,TP,2012	
...3	CC37	2203-000683	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,201	
...3	CC38	2203-000683	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,201	
...3	CC39	2203-000683	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,201	
...3	CC40	2203-000683	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,201	
...3	CC41	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
...3	CC42	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3	CC43	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3	CC44	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3	CC45	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
...3	CC47	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3	CC48	2203-005384	C-CERAMIC,CHIP;4700nF,+80-20%,10V,Y5V,TP	
...3	CC49	2203-005384	C-CERAMIC,CHIP;4700nF,+80-20%,10V,Y5V,TP	
...3	CC50	2203-005384	C-CERAMIC,CHIP;4700nF,+80-20%,10V,Y5V,TP	
...3	CD01	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
...3	CD02	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
...3	CF01	2901-001120	FILTER-EMI SMD;25V,100mA,-,-,3.2x1.6x1,T	
...3	CL05	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3	CL06	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3	CL07	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3	CQ01	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
...3	CQ02	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
...3	CQ03	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
...3	CQ04	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
...3	CQ05	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
...3	CR01	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
...3	CR02	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
...3	CR03	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
...3	CR04	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
...3	CR05	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
...3	CR06	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
...3	CR07	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
...3	CR08	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
...3	CR09	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3	CR10	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3	CR12	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
...3	CR13	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
...3	CR14	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
...3	CR19	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3	CR20	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3	CR22	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3	CR26	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3	CR27	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3	CR28	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3	CR29	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
...3	CR30	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
...3	CR31	2007-000642	R-CHIP;270OHM,5%,1/10W,DA,TP,2012	
...3	CR32	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3	CR33	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3	CR35	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
...3	CR37	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3	CR38	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3	CR41	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3	CR45	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3	CR46	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3	CR47	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
...3	CR48	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
...3	CR49	2007-000931	R-CHIP;47OOHM,5%,1/10W,DA,TP,2012	
...3	CR50	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
...3	CR51	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
...3	CR52	2007-000931	R-CHIP;47OOHM,5%,1/10W,DA,TP,2012	
...3	CR53	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
...3	CR54	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
...3	CR55	2007-000931	R-CHIP;47OOHM,5%,1/10W,DA,TP,2012	
...3	DC01	2401-003102	C-AL;100uF,20%,10V,GP,TP,5x11,5	
...3	DC02	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3	DC03	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3	DC04	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3	DC05	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3	DC06	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3	DC07	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
...3	DC08	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3	DC09	2203-000555	C-CERAMIC,CHIP;0.02nF,5%,50V,NP0,TP,2012	
...3	DC10	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3	DC11	2203-000555	C-CERAMIC,CHIP;0.02nF,5%,50V,NP0,TP,2012	
...3	DC12	2203-000555	C-CERAMIC,CHIP;0.02nF,5%,50V,NP0,TP,2012	
...3	DC13	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3	DC14	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3	DC15	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3	DC16	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3	DC17	2401-003102	C-AL;100uF,20%,10V,GP,TP,5x11,5	
...3	DC18	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3	DC19	2401-003102	C-AL;100uF,20%,10V,GP,TP,5x11,5	
...3	DC20	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3	DC21	2203-001088	C-CERAMIC,CHIP;0.005nF,0.25pF,50V,NP0,TP	
...3	DC22	2203-001088	C-CERAMIC,CHIP;0.005nF,0.25pF,50V,NP0,TP	
...3	DC23	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3	DC24	2203-000938	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,2012	
...3	DC25	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	

Loc. No.	Code No.	Description ; Specification	Remark
...3 DC26	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
...3 DC27	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
...3 DC28	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 DC29	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
...3 DC30	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
...3 DC31	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
...3 DC32	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 DC33	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 DC34	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
...3 DC35	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 DC36	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
...3 DC37	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3 DC38	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
...3 DC39	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
...3 DC40	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 DC41	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
...3 DC42	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
...3 DC43	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
...3 DD01	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
...3 DD02	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
...3 DD03	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
...3 DD06	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
...3 DD07	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
...3 DL01	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3 DL02	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3 DL03	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3 DL04	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3 DL05	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3 DL06	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3 DL07	2702-001092	INDUCTOR-RADIAL;2.2uH,10%,6x4mm	
...3 DQ01	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
...3 DR01	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR02	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR03	2007-001055	R-CHIP;6.2KOHM,5%,1/10W,DA,TP,2012	
...3 DR04	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
...3 DR05	2007-000023	R-CHIP;120OHM,5%,1/10W,DA,TP,2012	
...3 DR06	2007-000023	R-CHIP;120OHM,5%,1/10W,DA,TP,2012	
...3 DR07	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
...3 DR08	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR09	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR10	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
...3 DR11	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR12	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR13	2007-000380	R-CHIP;13KOHM,5%,1/10W,DA,TP,2012	
...3 DR14	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
...3 DR15	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
...3 DR16	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR17	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR18	2007-001208	R-CHIP;82KOHM,5%,1/10W,DA,TP,2012	
...3 DR19	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
...3 DR20	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
...3 DR22	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
...3 DR23	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
...3 DR24	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
...3 DR26	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
...3 DR27	2007-001224	R-CHIP;9.1KOHM,5%,1/10W,DA,TP,2012	
...3 DR28	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
...3 DR29	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 DR30	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 DR31	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 DR32	2007-000822	R-CHIP;390OHM,5%,1/10W,DA,TP,2012	
...3 DR33	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 DR34	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR35	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
...3 DR36	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
...3 DR37	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
...3 DR38	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
...3 DR40	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR41	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR42	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR43	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 DR44	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
...3 DR46	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
...3 DR48	2007-000297	R-CHIP;10KOHM,1%,1/10W,DA,TP,2012	
...3 IC01	1204-001598	IC-VIDEO PROCESS;VPC3230D-B2,QFP,80P,-,P	
...3 IC02	AA13-00095A	IC ASIC;-,SDP01,QFP,128P,PROSCAN	
...3 IC03	1105-001273	IC-DRAM;416S1120,512Kx16x2Bit,TSOP,50	
...3 IC04	1105-001273	IC-DRAM;416S1120,512Kx16x2Bit,TSOP,50	
...3 IC05	1002-001045	IC-D/A CONVERTER;9280,8BIT,PLCC,68P,-,-,	
...3 IC06	1204-001372	IC-HOR./VER.PROCESSO;SDA9361,QFP,44P,-,P	
...3 IC07	1204-001550	IC-VIDEO PROCESS;CXA2101AQ,QFP,80P,-,PLA	
...3 IC11	1203-001419	IC-VOLTAGE REGULATOR;4931,TO-252,3P,6.6x	
...3 IC12	1203-001140	IC-VOL. DETECTOR;7039,TO-92P,3P,-,PLASTI	
...3 IC13	1203-001359	IC-POSI.FIXED REG.;1086,TO-263,3P,15.8MM	
...3 IC14	1202-000001	IC-VOLTAGE COMP.;7533,TO-92,3P,-,SINGLE,	
...3 PC01	2203-001603	C-CERAMIC,CHIP;220nF,10%,16V,X7R,TP,2012	
...3 PC02	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3 PC03	2203-000839	C-CERAMIC,CHIP;0.39nF,5%,50V,NP0,TP,2012	
...3 PC04	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 PC05	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
...3 PC06	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3 PC07	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 PC08	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 PC09	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 PC10	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 PC11	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 PC12	2203-001646	C-CERAMIC,CHIP;3pF,0.5pF,50V,NPO,TP,2012	
...3 PC13	2203-001646	C-CERAMIC,CHIP;3pF,0.5pF,50V,NPO,TP,2012	
...3 PC14	2401-002042	C-AL;220uF,20%,10V,GP,TP,6.3x11,5	
...3 PC15	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
...3 PC16	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 PC17	2203-001603	C-CERAMIC,CHIP;220nF,10%,16V,X7R,TP,2012	
...3 PC18	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3 PC19	2203-000839	C-CERAMIC,CHIP;0.39nF,5%,50V,NP0,TP,2012	
...3 PC20	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
...3 PC21	2203-005590	C-CERAMIC,CHIP;330NF,10%,16V,X7R,TP,2012	
...3 PC22	2203-005590	C-CERAMIC,CHIP;330NF,10%,16V,X7R,TP,2012	
...3 PC23	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 PC24	2203-001603	C-CERAMIC,CHIP;220nF,10%,16V,X7R,TP,2012	
...3 PC25	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3 PC26	2203-000839	C-CERAMIC,CHIP;0.39nF,5%,50V,NP0,TP,2012	
...3 PC27	2401-002042	C-AL;220uF,20%,10V,GP,TP,6.3x11,5	
...3 PC28	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
...3 PC29	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 PC30	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 PC31	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 PC32	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 PC33	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 PC34	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 PC35	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 PC36	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 PC37	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 PC38	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 PC39	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 PC40	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 PC41	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 PC42	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 PC43	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 PC44	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 PC45	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 PC46	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 PC52	2203-001603	C-CERAMIC,CHIP;220nF,10%,16V,X7R,TP,2012	
...3 PC53	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
...3 PC54	2203-001603	C-CERAMIC,CHIP;220nF,10%,16V,X7R,TP,2012	
...3 PC55	2203-005590	C-CERAMIC,CHIP;330NF,10%,16V,X7R,TP,2012	
...3 PC56	2203-005590	C-CERAMIC,CHIP;330NF,10%,16V,X7R,TP,2012	
...3 PC57	2203-005590	C-CERAMIC,CHIP;330NF,10%,16V,X7R,TP,2012	
...3 PC58	2203-005590	C-CERAMIC,CHIP;330NF,10%,16V,X7R,TP,2012	
...3 PC78	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 PIC01	1204-001598	IC-VIDEO PROCESS;VPC3230D-B2,QFP,80P,-,P	
...3 PIC02	1109-001144	IC-FIFO;81V04160,2x256Kx8Bit,TQFP,100	
...3 PIC04	1203-001419	IC-VOLTAGE REGULATOR;4931,TO-252,3P,6.6x	
...3 PIC05	1203-001419	IC-VOLTAGE REGULATOR;4931,TO-252,3P,6.6x	
...3 PL01	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3 PL02	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 PL03	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 PR01	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
...3 PR02	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
...3 PR03	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 PR04	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 PR06	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
...3 PR07	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
...3 PR08	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
...3 PR09	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	

Loc. No.	Code No.	Description ; Specification	Remark
...3 PR10	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 PR15	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 PR16	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 PR17	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 PR18	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 PR19	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 PR20	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 SC01	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC02	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC03	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC04	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC05	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC06	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC07	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 SC08	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC09	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC10	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC11	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC12	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 SC13	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC16	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 SC17	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC18	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC19	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC20	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC21	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC22	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC23	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 SC24	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC25	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC26	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC27	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC28	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC29	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC30	2401-003102	C-AL;100uF,20%,10V,GP,TP,5x11,5	
...3 SC31	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC32	2401-003102	C-AL;100uF,20%,10V,GP,TP,5x11,5	
...3 SC33	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC34	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC35	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
...3 SC37	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC38	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 SC39	2401-003102	C-AL;100uF,20%,10V,GP,TP,5x11,5	
...3 SC40	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
...3 SL01	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
...3 SL02	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 SL03	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3 SL04	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3 SL06	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 SR01	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
...3 SR02	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
...3 SR03	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR04	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR05	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR06	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR07	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR08	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR09	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR10	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
...3 SR11	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
...3 SR12	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
...3 SR13	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR14	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR15	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR16	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR17	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
...3 SR50	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 SR51	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 SR52	2007-000938	R-CHIP;47KOHM,1%,1/10W,DA,TP,2012	
...3 SR53	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR54	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR55	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR56	2011-000585	R-NETWORK;47ohm,5%,63mW,L,CHIP,8P,TP	
...3 SR58	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 SR60	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
...3 SR61	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
...3 SR62	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
...3 SR63	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
...3 SR64	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 YC01	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC02	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC03	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC04	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC05	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC08	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC09	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC10	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC11	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC12	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC13	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC14	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC15	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC16	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC17	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC18	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC19	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC20	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC23	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 YC24	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 YC25	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 YC28	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 YC29	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 YC30	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 YC31	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 YC32	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 YC33	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 YC34	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC35	2401-000493	C-AL;10uF,20%,50V,LZ,TP,5x11mm,5mm	
...3 YC36	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 YC37	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 YC38	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 YC39	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 YC40	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 YC41	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 YC42	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
...3 YC45	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC46	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 YC47	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 YC48	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 YC49	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3 YC50	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
...3 YC52	2203-001088	C-CERAMIC,CHIP;0.005nF,0.25pF,50V,NP0,TP	
...3 YC53	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 YC54	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 YC55	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 YC56	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 YC57	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3 YC58	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 YC59	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 YC60	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3 YC62	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
...3 YD01	0403-000620	DIODE-ZENER;RLZ5.6B,5.6,500mW,LL-34,TP	
...3 YD02	0403-000620	DIODE-ZENER;RLZ5.6B,5.6,500mW,LL-34,TP	
...3 YD03	0403-001117	DIODE-ZENER;RLZ12B,5%,500mW,LL-34,TP	
...3 YD04	0403-001117	DIODE-ZENER;RLZ12B,5%,500mW,LL-34,TP	
...3 YD05	0403-001117	DIODE-ZENER;RLZ12B,5%,500mW,LL-34,TP	
...3 YF11	2901-000226	FILTER-EMI SMD;25V,0.3A,-,100pF,3.2x1.25	
...3 YF12	2901-000226	FILTER-EMI SMD;25V,0.3A,-,100pF,3.2x1.25	
...3 YF13	2901-000226	FILTER-EMI SMD;25V,0.3A,-,100pF,3.2x1.25	
...3 YF14	2901-000226	FILTER-EMI SMD;25V,0.3A,-,100pF,3.2x1.25	
...3 YF15	2901-000226	FILTER-EMI SMD;25V,0.3A,-,100pF,3.2x1.25	
...3 YL01	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3 YQ01	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
...3 YQ02	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
...3 YQ03	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
...3 YQ06	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
...3 YQ08	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
...3 YQ11	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
...3 YQ12	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
...3 YR03	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 YR05	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR06	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR07	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR08	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	

Loc. No.	Code No.	Description ; Specification	Remark
...3 YR09	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR10	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR11	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR12	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR14	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
...3 YR15	2007-000938	R-CHIP;47KOHM,1%,1/10W,DA,TP,2012	
...3 YR18	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR23	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 YR24	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 YR25	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR26	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR27	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR28	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR29	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
...3 YR30	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR31	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
...3 YR32	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR33	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
...3 YR40	2007-000689	R-CHIP;3.3MOHM,5%,1/10W,DA,TP,2012	
...3 YR41	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR42	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 YR43	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 YR44	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 YR45	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 YR46	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR47	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR48	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR49	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 YR50	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
...3 YR51	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
...3 YR52	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 YR53	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR56	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 YR58	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 YR59	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
...3 YR60	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR61	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
...3 YR62	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 YR63	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR64	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR65	2007-000582	R-CHIP;22KOHM,1%,1/10W,DA,TP,2012	
...3 YR83	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR84	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR88	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 YR89	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3 YR90	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR91	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR92	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3 YR93	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3 YR98	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
...3	AA41-00161B	PCB-SCAN BLOCK;CT-29A7DR,FR-4,4L,B,1.6T,	S.N.A
..2	AA63-00100A	SHIELD-CASE;FCC,SPTE,0.5,-,-,-,SCAN-MODU	
..2	0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	

ASSY-HV,MODULE

1	*	AA95-00675A	ASSY-HV,MODULE;-,WT-32Z5HI,K54A,NTSC,-,-	
..2	BOT1	2401-000620	C-AL;2.2uF,10%,50V,GP,TP,5x11,5	
..2	HVCN01	3711-002707	CONNECTOR-HEADER;NOWALL,9P,1R,2.5mm,ANGL	
..2	HVCN02	3711-002705	CONNECTOR-HEADER;NOWALL,7P,1R,2.5mm,ANGL	
..2	HVCN03	3711-000447	CONNECTOR-HEADER;3WALL,3P,1R,2.5mm,ANGLE	
..2	HVIC01	1203-000165	IC-POSI.ADJUST REG.;78R12,TO-220,4P,-,PL	
..2	HVIC02	1203-000610	IC-PWM CONTROLLER;494,DIP,16P,300MIL,PLA	
..2	HVQ10	0505-000156	FET-SILICON;IRF620,N,200V,5A,0.8ohm,50W,	
..2	HVT01	AA26-50001V	TRANS-HORIZ.DRIVE;-,-,-,6.0mH,-,-,113uH,	
..2	HVWS01	AA61-10068A	BRACKET-PCB;M2160,SPTE,T0.3,-,-,-,-	
..2	HVWS02	AA61-10068A	BRACKET-PCB;M2160,SPTE,T0.3,-,-,-,-	
..2		AA41-00274A	PCB-HV MODULE;WT-32Z501,FR-1,1L,A,1.6T,2	S.N.A
..2		0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	
..2		AA99-20083V	ASSY-PCB SUB,AUTO; AA95-00675A ,V	S.N.A
...3	HVC01	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3	HVC02	2201-000146	C-CERAMIC,DISC;0.1nF,5%,50V,SL,TP,5x3.5,	
...3	HVC03	2201-000146	C-CERAMIC,DISC;0.1nF,5%,50V,SL,TP,5x3.5,	
...3	HVC04	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	
...3	HVC05	2301-000261	C-FILM,PEF;4.7nF,5%,100V,TP,10.5x12.5x6.	
...3	HVC06	2305-000178	C-FILM,MPEF;10nF,5%,100V,TP,-,5mm	
...3	HVC07	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3	HVC08	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3	HVC09	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3	HVC10	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
...3	HVC11	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
...3	HVC12	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
...3	HVC13	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
...3	HVC14	2401-001026	C-AL;3.3UF,20%,50V,GP,TP,5X11,5	
...3	HVC15	2401-001026	C-AL;3.3UF,20%,50V,GP,TP,5X11,5	
...3	HVC16	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
...3	HVC17	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3	HVD01	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3	HVD02	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3	HVD03	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3	HVD04	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3	HVD05	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3	HVD06	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
...3	HVD08	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
...3	HVDZ01	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
...3	HVDZ02	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
...3	HVDZ03	0403-001316	DIODE-ZENER;MTZJ3.0A,2.85-3.07V,500mW,DO	
...3	HVDZ04	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
...3	HVDZ05	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
...3	HVIC03	1203-001217	IC-POSI.ADJUST REG.;431,TO-92,3P,4.58MIL	
...3	HVQ01	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
...3	HVQ02	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
...3	HVQ03	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3	HVQ04	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3	HVQ05	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3	HVQ06	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3	HVQ07	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3	HVQ08	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3	HVQ09	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3	HVR01	2001-000005	R-CARBON;390ohm,5%,1/8W,AA,TP,1.8x3.2m	
...3	HVR02	2001-000009	R-CARBON;20KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	HVR03	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3	HVR04	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
...3	HVR05	2001-001044	R-CARBON(S);1.1KOHM,5%,1/2W,AA,TP,2.4X6.	
...3	HVR06	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	HVR07	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	HVR08	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	HVR09	2001-000411	R-CARBON;18KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	HVR10	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3	HVR11	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3	HVR12	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3	HVR13	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	HVR14	2001-000508	R-CARBON;220KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	HVR15	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3	HVR16	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	HVR17	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	HVR18	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	HVR19	2001-000800	R-CARBON;5.1KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	HVR20	2001-000800	R-CARBON;5.1KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	HVR21	2001-000812	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	HVR22	2001-000924	R-CARBON;680OHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	HVR23	2001-001031	R-CARBON;91KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	HVR24	2001-001047	R-CARBON(S);1.2MOHM,5%,1/2W,AA,TP,2.4X6.	
...3	HVR25	2001-001097	R-CARBON(S);2.4KOHM,5%,1/2W,AA,TP,2.4X6.	
...3	HVR26	2001-001107	R-CARBON(S);220ohm,5%,1/2W,AA,TP,2.4x6.4	
...3	HVR27	2001-001144	R-CARBON(S);4.7KOHM,5%,1/2W,AA,TP,2.4X6.	
...3	HVR28	2001-001144	R-CARBON(S);4.7KOHM,5%,1/2W,AA,TP,2.4X6.	
...3	HVR29	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	
...3	HVR30	2001-001192	R-CARBON(S);820OHM,5%,1/2W,AA,TP,2.4X6.4	
...3	HVR31	2003-000746	R-METAL OXIDE(S);56ohm,5%,2W,AF,TP,4x12m	
...3	HVR32	2003-002044	R-METAL OXIDE(S);100ohm,5%,1W,AF,TP,2.5x	
...3	HVR33	2003-002071	R-METAL OXIDE;560ohm,5%,2W,AF,TP,3.9x10m	
...3	HVR34	2003-002071	R-METAL OXIDE;560ohm,5%,2W,AF,TP,3.9x10m	
...3	HVR35	2008-000299	R-FUSIBLE(S);47ohm,5%,2W,AF,TP,3.9x10mm	
...3	HVR36	2003-001036	R-METAL OXIDE(S);3.3ohm,5%,2W,AF,TP,3.9x	

ASSY-PCB,3D COMB

1	*	AA95-00571B	ASSY-PCB,3D COMB;,WT-32Z5HD,K54A	

Loc. No.	Code No.	Description ; Specification	Remark
..2 CD10	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
..2 CD11	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD12	2401-002464	C-AL;47uF,20%,16V,BP,TP,8x11.5,5	
..2 CD18	2401-001914	C-AL;1uF,20%,50V,BP,TP,5x11,5	
..2 CD20	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD21	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD22	2203-001034	C-CERAMIC,CHIP;5.6nF,10%,50V,X7R,TP,1608	
..2 CD23	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
..2 CD24	2401-000455	C-AL;10uF,20%,35V,GP,TP,4x7mm,5mm	
..2 CD40	2301-000111	C-FILM,PEF;1.8nF,5%,50V,TP,6.5x3.0x5.5mm	
..2 CD41	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD42	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD43	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD44	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD45	2401-000455	C-AL;10uF,20%,35V,GP,TP,4x7mm,5mm	
..2 CD46	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD47	2401-000455	C-AL;10uF,20%,35V,GP,TP,4x7mm,5mm	
..2 CD50	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD51	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD52	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD53	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD54	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD55	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD56	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD57	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
..2 CD58	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD59	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
..2 CD60	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
..2 CD62	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD63	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD64	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
..2 CD66	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
..2 CD67	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD68	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
..2 CD69	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD71	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
..2 CD72	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD74	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD75	2203-000626	C-CERAMIC,CHIP;0.022nF,5%,50V,NP0,TP,160	
..2 CD80	2203-000357	C-CERAMIC,CHIP;0.15nF,5%,50V,NP0,TP,1608	
..2 CD81	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD84	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD85	2203-000838	C-CERAMIC,CHIP;0.39nF,5%,50V,NP0,TP,1608	
..2 CD86	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD87	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD88	2203-000626	C-CERAMIC,CHIP;0.022nF,5%,50V,NP0,TP,160	
..2 CD89	2203-000626	C-CERAMIC,CHIP;0.022nF,5%,50V,NP0,TP,160	
..2 CD90	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CD91	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
..2 CON01	3711-002707	CONNECTOR-HEADER;NOWALL,9P,1R,2.5mm,ANGL	
..2 CON02	3711-002703	CONNECTOR-HEADER;NOWALL,5P,1R,2.5mm,ANGL	
..2 DD01	0403-001016	DIODE-ZENER;RLZ6.2B,6.2V,5.96-6.27V,400m	
..2 DD02	0403-001016	DIODE-ZENER;RLZ6.2B,6.2V,5.96-6.27V,400m	
..2 DD03	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
..2 FD00	2909-001051	FILTER-LC;6MHz,6MHz,0.8dB,TP,5dB/6MHz,3	
..2 FD01	2909-001051	FILTER-LC;6MHz,6MHz,0.8dB,TP,5dB/6MHz,3	
..2 FD02	2909-001052	FILTER-LC;3.58MHz,3MHz,1.5dB,TP,11dB/1.	
..2 FD03	2909-001051	FILTER-LC;6MHz,6MHz,0.8dB,TP,5dB/6MHz,3	
..2 IC01	1204-001556	IC-SEPARATOR;UPD64082GF,QFP,100P,-,PLAST	
..2 IC02	1105-001334	IC-DRAM;4E151612,1Mx16Bit,TSOP,44P,40	
..2 IC04	1203-001419	IC-VOLTAGE REGULATOR;4931,TO-252,3P,6.6x	
..2 JD01	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
..2 JD04	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
..2 LD01	2702-001095	INDUCTOR-RADIAL;18uH,10%,6x4mm	
..2 LD03	2702-001095	INDUCTOR-RADIAL;18uH,10%,6x4mm	
..2 LD05	2702-001096	INDUCTOR-RADIAL;33uH,10%,6x4mm	
..2 LD06	2702-001095	INDUCTOR-RADIAL;18uH,10%,6x4mm	
..2 LD07	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
..2 LD09	2703-000271	INDUCTOR-SMD;4.7uH,10%,2x1.25x1.25mm	
..2 LD10	3301-001186	CORE-FERRITE BEAD;AB,600ohm,3.2x1.6x1.3m	
..2 PCB	AA41-00128E	PCB-3D COMB FILTER;CT-29A7DR,FR-4,2L,E,1	S.N.A
..2 QD10	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
..2 QD11	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
..2 QD12	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
..2 QD13	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
..2 QD14	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
..2 QD15	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
..2 QD16	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
..2 QD17	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
..2 QD18	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
..2 QD19	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
..2 QD20	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
..2 QD21	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
..2 QD22	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
..2 QD23	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
..2 QD24	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
..2 QD25	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
..2 QD26	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
..2 QD27	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
..2 QD28	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
..2 QD40	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
..2 QD41	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	
..2 RD00	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
..2 RD01	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
..2 RD02	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
..2 RD03	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
..2 RD04	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
..2 RD05	2007-000088	R-CHIP;7.5Kohm,5%,1/16W,DA,TP,1608	
..2 RD06	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
..2 RD07	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
..2 RD08	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
..2 RD09	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
..2 RD10	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
..2 RD11	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
..2 RD12	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
..2 RD13	2007-000088	R-CHIP;7.5Kohm,5%,1/16W,DA,TP,1608	
..2 RD14	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
..2 RD15	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
..2 RD16	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
..2 RD17	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
..2 RD18	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
..2 RD19	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
..2 RD20	2007-001093	R-CHIP;620ohm,5%,1/16W,DA,TP,1608	
..2 RD21	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
..2 RD22	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
..2 RD23	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
..2 RD24	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
..2 RD25	2007-000106	R-CHIP;220Kohm,5%,1/16W,DA,TP,1608	
..2 RD26	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
..2 RD27	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
..2 RD37	2007-001093	R-CHIP;620ohm,5%,1/16W,DA,TP,1608	
..2 RD38	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
..2 RD39	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
..2 RD40	2007-000583	R-CHIP;22Kohm,1%,1/16W,DA,TP,1608	
..2 RD41	2007-000052	R-CHIP;10Kohm,1%,1/16W,DA,TP,1608	
..2 RD42	2007-000583	R-CHIP;22Kohm,1%,1/16W,DA,TP,1608	
..2 RD43	2007-000869	R-CHIP;4.7Kohm,1%,1/16W,DA,TP,1608	
..2 RD50	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
..2 RD51	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
..2 RD59	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
..2 RD62	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
..2 RD63	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
..2 RD64	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
..2 RD65	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
..2 RD66	2007-000096	R-CHIP;30Kohm,5%,1/16W,DA,TP,1608	
..2 RD67	2007-000125	R-CHIP;3.9Kohm,5%,1/16W,DA,TP,1608	
..2 RD68	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
..2 RD69	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
..2 RD70	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
..2 RD71	2007-000234	R-CHIP;1.3Kohm,5%,1/16W,DA,TP,1608	
..2 RD72	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
..2 RD73	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
..2 RD74	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
..2 RD75	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
..2 RD76	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
..2 RD77	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
..2 RD78	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
..2 RD79	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
..2 RD82	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
..2 RD83	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
..2 RD84	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
..2 RD85	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
..2 RD86	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	

Loc. No.		Code No.	Description ; Specification	Remark
..2	RD87	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
..2	RD88	2007-000211	R-CHIP;1.1Kohm,5%,1/16W,DA,TP,1608	
..2	RD89	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
..2	RD90	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
..2	RD91	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
..2	RD92	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
..2	RD93	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
..2	RD94	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
..2	RD95	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
..2	RD96	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
..2	RD97	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
..2	RD98	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
..2	XTAL01	2801-000199	CRYSTAL-UNIT;20MHz,50ppm,28-AAA,16pF,50o	
..2		AA63-40014A	SHIELD-CASE,T;-,SPTE,T0.5,-,-,-,SCT51A	S.N.A
..2		AA98-60005J	ASSY-SUB,PART;S51A,SOUND,NICAM,-	S.N.A
...3		0202-001004	SOLDER-CREAM;SQ-2030M SZH-1,S63A,D0.04,6	S.N.A
...3		0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	

ASSY-SUB MICOM

1	*	AA95-01221A	ASSY-SUB MICOM;,32Z5,K54A,NTSC	
..2	CN002	AA61-10068A	BRACKET-PCB;M2160,SPTE,T0.3,-,-,-,-	
..2	CN005	3711-002706	CONNECTOR-HEADER;NOWALL,8P,1R,2.5mm,ANGL	
..2	CN006	3711-003051	CONNECTOR-HEADER;BOX,8P,1R,2.5mm,STRAGHT	
..2	IC003	AA09-00070A	IC-MCU;-,SPR2000,42P,3.0V~5.5V,-,SCA	
..2	IC005	1201-001199	IC-POWER AMP;6510,SIP,10P,150MIL,DUAL,-,	
..2	IC006	1201-001199	IC-POWER AMP;6510,SIP,10P,150MIL,DUAL,-,	
..2	X001	2801-003727	CRYSTAL-UNIT;12MHz,30ppm,28-AAM,S,30ohm,	
..2		0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
..2		AA99-20096K	ASSY-PCB SUB,AUTO; AA95-01221A ,V	S.N.A
...3	C001	2401-000444	C-AL;10uF,20%,25V,GP,TP,5x5mm,5mm	
...3	C002	2201-000247	C-CERAMIC,DISC;0.015nF,5%,50V,NP0,TP,5x3	
...3	C003	2201-000247	C-CERAMIC,DISC;0.015nF,5%,50V,NP0,TP,5x3	
...3	C004	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3	C005	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3	C006	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3	C007	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3	C008	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3	C009	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3	C010	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
...3	C011	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3	C014	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3	C015	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3	C016	2401-000689	C-AL;2200uF,20%,16V,GP,TP,13x25,5	
...3	C017	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3	C018	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3	C019	2401-001017	C-AL;3.3UF,20%,50V,BP,TP,5X11,5	
...3	C020	2401-001017	C-AL;3.3UF,20%,50V,BP,TP,5X11,5	
...3	C021	2401-001017	C-AL;3.3UF,20%,50V,BP,TP,5X11,5	
...3	C022	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3	C023	2401-001017	C-AL;3.3UF,20%,50V,BP,TP,5X11,5	
...3	C024	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3	C025	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3	C027	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3	C028	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3	C029	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
...3	C030	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3	C031	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3	C032	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3	C033	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
...3	C034	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3	C035	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3	CN004	3711-002645	CONNECTOR-HEADER;BOX,6P,1R,2.5mm,STRAIGH	
...3	D002	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3	DZ001	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
...3	IC001	1203-000515	IC-VOL. DETECTOR;7042,TO-92,3P,177MIL,PL	
...3	L001	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
...3	L002	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3	L003	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3	L004	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3	L005	2702-001094	INDUCTOR-RADIAL;10uH,10%,6x4mm	
...3	Q001	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3	Q002	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3	Q003	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3	Q004	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3	R001	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	R002	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	R003	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	R004	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	R005	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	R006	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3	R007	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3	R008	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3	R009	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3	R011	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	R012	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	R013	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	R014	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	R015	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	R016	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	R017	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	R018	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	R019	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	R020	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.	
...3	R021	2003-000592	R-METAL OXIDE(S);22ohm,5%,2W,AF,TP,4x12m	
...3	R022	2001-000458	R-CARBON;2.2OHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	R023	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	R024	2003-000592	R-METAL OXIDE(S);22ohm,5%,2W,AF,TP,4x12m	
...3	R025	2001-000458	R-CARBON;2.2OHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	R026	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	R028	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	R029	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	R030	2001-000458	R-CARBON;2.2OHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	R031	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	R033	2003-000592	R-METAL OXIDE(S);22ohm,5%,2W,AF,TP,4x12m	
...3	R034	2003-000592	R-METAL OXIDE(S);22ohm,5%,2W,AF,TP,4x12m	
...3	R035	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	R036	2001-000458	R-CARBON;2.2OHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	R037	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	R039	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
...3	R040	2001-000244	R-CARBON;1.5MOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	R041	2001-000244	R-CARBON;1.5MOHM,5%,1/8W,AA,TP,1.8X3.2	
..2		0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	
..2		AA41-00493A	PCB-SUB MODULE;WT-32Z5HR,FR-1,1L,A,1.6T,	S.N.A

ASSY PCB CRT

1	*	AA95-01218A	ASSY PCB CRT;,K54A,32	
..2	C522	2201-000723	C-CERAMIC,DISC;4.7nF,20%,3KV,Y5U,TP,16x5	
..2	C526	2201-000173	C-CERAMIC,DISC;10nF,10%,500V,Y5P,BK,16x4	
..2	C530	2201-000173	C-CERAMIC,DISC;10nF,10%,500V,Y5P,BK,16x4	
..2	C531	2201-000173	C-CERAMIC,DISC;10nF,10%,500V,Y5P,BK,16x4	
..2	CNC01	3711-003974	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
..2	CNC02	3711-003052	CONNECTOR-HEADER;BOX,10P,1R,2.5mm,STRAGH	
..2	CNC03A	AA39-20038F	LEAD CONNECTOR-ASSY;,6P,67096-006,S,500,	
..2	CNW01	AA39-00121B	LEAD CONNECTOR ASSY;,12P,35155-1200,S,50	
..2	CNW02	AA39-00112B	LEAD CONNECTOR-ASSY;,10P,35155-1000,S,40	
..2	IC501	AA96-50389B	ASSY H/S;-,VIDEO AMP,AA62-30185A,TDA61	S.N.A
...3		AA62-30185A	HEAT-SINK,PS;-,CUS-1 1/2H,T1.0,YEL,33*20	S.N.A
...3		AA61-10162A	BRACKET-IC;-,SBHG-1,T1.0,-,-,-,-	
...3		6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZPC(YEL),SWR	
...3		1201-001588	IC-VIDEO AMP;6120,ZSIP,13P,173MIL,SINGLE	
...3		0205-000129	GREASE-SILICON;SC102,JAPAN	
..2	IC502	AA96-50389B	ASSY H/S;-,VIDEO AMP,AA62-30185A,TDA61	S.N.A
..2	IC503	AA96-50389B	ASSY H/S;-,VIDEO AMP,AA62-30185A,TDA61	S.N.A
..2	IC504	AA96-00110D	ASSY-H/S;-,-,AA62-30013K,TDA2030,-	
...3		1201-000010	IC-OP AMP;2030,PENTAWATT,5P,-,SINGLE,-,	
...3		6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
...3		AA62-30013K	HEAT-SINK,ES;-,-,-,-,44/18,-,WHT,A6063 E	S.N.A
..2	QF09	AA96-00111B	ASSY-H/S;-,-,AA62-30013L,2SA1011,-	
...3		0502-000131	TR-POWER;2SA1011-D,PNP,1.2W,TO-220,-,6	
...3		6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
...3		AA62-30013L	HEAT-SINK,ES;-,-,-,-,44/22,-,WHT,-,-,-,-	S.N.A
..2	QF10	AA96-00111A	ASSY-H/S;-,-,AA62-30013L,2SC2344,-	
...3		0502-000153	TR-POWER;2SC2344-D,NPN,1.2W,TO-220,-,6	
...3		6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
...3		AA62-30013L	HEAT-SINK,ES;-,-,-,-,44/22,-,WHT,-,-,-,-	S.N.A
..2	SC01	3722-001503	JACK-PIN;1P,1PI,NI,RED,SCR-JACK	

Loc. No.	Code No.	Description ; Specification	Remark
⚠ ..2 V999S	3704-001032	SOCKET-CRT;8P,29PI,35.5PI,AU30U	
..2	AA99-20096D	ASSY-PCB SUB,AUTO; AA95-01218A ,V	S.N.A
...3 C501	2301-000213	C-FILM,PEF;220nF,5%,250V,TP,21.5x11,7.5	
...3 C502	2202-000295	C-CERAMIC,MLC-AXIAL;68pF,5%,50V,SL,TP,3.	
...3 C503	2202-000295	C-CERAMIC,MLC-AXIAL;68pF,5%,50V,SL,TP,3.	
...3 C504	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
...3 C505	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
...3 C506	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
...3 C507	2202-000295	C-CERAMIC,MLC-AXIAL;68pF,5%,50V,SL,TP,3.	
...3 C508	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
...3 C509	2401-001655	C-AL;680uF,20%,25V,GP,TP,10x20,5	
...3 C510	2201-000573	C-CERAMIC,DISC;0.047nF,5%,50V,NP0,TP,5x3	
...3 C511	2401-000430	C-AL;10uF,20%,250V,GP,TP,10x16mm,5	
...3 C512	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
...3 C513	2401-001655	C-AL;680uF,20%,25V,GP,TP,10x20,5	
...3 C514	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3 C515	2301-000213	C-FILM,PEF;220nF,5%,250V,TP,21.5x11,7.5	
...3 C516	2201-000426	C-CERAMIC,DISC;0.027nF,5%,50V,SL,TP,5x3,	
...3 C517	2201-000426	C-CERAMIC,DISC;0.027nF,5%,50V,SL,TP,5x3,	
...3 C518	2201-000573	C-CERAMIC,DISC;0.047nF,5%,50V,NP0,TP,5x3	
...3 C519	2201-000426	C-CERAMIC,DISC;0.027nF,5%,50V,SL,TP,5x3,	
...3 C520	2401-000703	C-AL;2200uF,20%,25V,GP,-,12.5x25mm	
...3 C521	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
...3 C523	2401-002288	C-AL;470uF,20%,25V,WT,TP,10x20,5	
...3 C524	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3 C525	2301-000213	C-FILM,PEF;220nF,5%,250V,TP,21.5x11,7.5	
...3 C527	2201-000573	C-CERAMIC,DISC;0.047nF,5%,50V,NP0,TP,5x3	
...3 C528	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
...3 C529	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3 C532	2401-001563	C-AL;47uF,20%,400V,GP,TP,16x25,7.5	
...3 C533	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3 C534	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
...3 C536	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
...3 C537	2301-000213	C-FILM,PEF;220nF,5%,250V,TP,21.5x11,7.5	
...3 C539	2401-002619	C-AL;47uF,20%,25V,GP,TP,5x11,5	
...3 C540	2201-000119	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
...3 C541	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
...3 C542	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
...3 CF02	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3.5,	
...3 CF03	2201-000192	C-CERAMIC,DISC;0.01nF,0.25pF,500V,NP0,TP	
...3 CF04	2201-000516	C-CERAMIC,DISC;4.7nF,+100-0%,500V,Y5U,TP	
...3 CF05	2301-000261	C-FILM,PEF;4.7nF,5%,100V,TP,10.5x12.5x6.	
...3 CF06	2201-000192	C-CERAMIC,DISC;0.01nF,0.25pF,500V,NP0,TP	
...3 CF07	2201-000604	C-CERAMIC,DISC;0.056nF,+100-0%,500V,SL,T	
...3 CF71	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
...3 CF72	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
...3 CF73	2401-002278	C-AL;22uF,20%,250V,WT,TP,13x20,5	
...3 CF74	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
...3 CF75	2401-000045	C-AL;10uF,20%,160V,GP,TP,10x16,5	
...3 CNC03	3711-002645	CONNECTOR-HEADER;BOX,6P,1R,2.5mm,STRAIGH	
...3 D502	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
...3 D504	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
...3 D505	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
...3 D506	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
...3 D507	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
...3 D508	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
...3 D534	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
...3 D535	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
...3 DF01	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3 DF02	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3 DF05	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3 DF06	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3 DF07	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
...3 DF08	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
...3 DZ501	0403-000718	DIODE-ZENER;MTZJ6.8B,6.8V,6.49-6.83V,500	
...3 DZ516	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
...3 DZ534	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
...3 FN1	3711-002643	CONNECTOR-HEADER;BOX,4P,1R,2.5mm,STRAIGH	
...3 FV1	3711-002642	CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGH	
...3 L501	2701-000101	INDUCTOR-AXIAL;1.2uH,10%,2.5x3.4mm	
...3 L502	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
...3 L503	2701-000101	INDUCTOR-AXIAL;1.2uH,10%,2.5x3.4mm	
...3 L504	2701-000101	INDUCTOR-AXIAL;1.2uH,10%,2.5x3.4mm	
...3 L505	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
...3 L532	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 L533	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 LF01	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 LF02	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3 LF03	2701-000112	INDUCTOR-AXIAL;100uH,10%,3x7mm	
...3 LF04	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
...3 LF06	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
...3 Q501	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 Q502	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 Q503	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 Q504	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 Q505	0502-000006	TR-POWER;KSC1507,NPN,15W,TO-220,TP,120	
...3 Q506	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 QF02	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 QF03	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 QF04	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
...3 QF05	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3 R501	2001-000568	R-CARBON;27OHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R502	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3 R503	2001-000568	R-CARBON;27OHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R511	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R512	2001-000837	R-CARBON;51KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R513	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R514	2001-000508	R-CARBON;220KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3 R515	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R516	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R517	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R518	2001-001052	R-CARBON(S);1.5MOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R519	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3 R520	2001-001026	R-CARBON;910OHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R521	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3 R522	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3 R523	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R525	2002-001006	R-COMPOSITION;4.7Kohm,5%,1/2W,AA,TP,3.7x	
...3 R526	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3 R527	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R528	2008-000252	R-FUSIBLE(S);0.47ohm,10%,1/2W,AF,TP,2.5x	
...3 R529	2001-000508	R-CARBON;220KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3 R530	2001-001026	R-CARBON;910OHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R531	2001-001026	R-CARBON;910OHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R532	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3 R533	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3 R534	2001-001026	R-CARBON;910OHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R535	2001-000527	R-CARBON;22OHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R536	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R537	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R538	2003-000738	R-METAL OXIDE(S);56Kohm,5%,2W,AA,TP,4x12	
...3 R539	2001-000527	R-CARBON;22OHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R540	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3 R541	2003-000803	R-METAL OXIDE(S);82Kohm,5%,2W,AA,TP,4x12	
...3 R542	2003-000803	R-METAL OXIDE(S);82Kohm,5%,2W,AA,TP,4x12	
...3 R543	2003-000738	R-METAL OXIDE(S);56Kohm,5%,2W,AA,TP,4x12	
...3 R544	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R545	2002-001017	R-COMPOSITION;1Kohm,10%,1/2W,AA,TP,3.7x9	
...3 R546	2001-001196	R-CARBON(S);9.1KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R547	2001-001103	R-CARBON(S);20KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3 R548	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R549	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3 R550	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R551	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R552	2001-000508	R-CARBON;220KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3 R553	2004-001893	R-METAL(S);22Kohm,1%,1/2W,AA,TP,2.5x6.5m	
...3 R554	2001-000568	R-CARBON;27OHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R555	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R556	2002-001017	R-COMPOSITION;1Kohm,10%,1/2W,AA,TP,3.7x9	
...3 R557	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3 R558	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3 R559	2003-000803	R-METAL OXIDE(S);82Kohm,5%,2W,AA,TP,4x12	
...3 R560	2001-001049	R-CARBON(S);1.3KOHM,5%,1/2W,AA,TP,2.4X6.	
...3 R561	2001-001126	R-CARBON(S);300OHM,5%,1/2W,AA,TP,2.4X6.4	
...3 R562	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3 R563	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3 R564	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R565	2004-001379	R-METAL(S);12Kohm,1%,1/2W,AA,TP,2.4x6.4m	
...3 R566	2001-001120	R-CARBON(S);3.3OHM,5%,1/2W,AA,TP,2.4X6.4	
...3 R567	2003-000738	R-METAL OXIDE(S);56Kohm,5%,2W,AA,TP,4x12	
...3 R568	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R569	2001-001026	R-CARBON;910OHM,5%,1/8W,AA,TP,1.8X3.2M	
...3 R570	2001-000527	R-CARBON;22OHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3 R572	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2	

Loc. No.		Code No.	Description ; Specification	Remark
...3	R573	2001-000109	R-CARBON(S);4700HM,5%,1/2W,AA,TP,2.4X6.4	
...3	R574	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	R575	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3	R576	2002-001017	R-COMPOSITION;1Kohm,10%,1/2W,AA,TP,3.7x9	
...3	R577	2001-001026	R-CARBON;9100HM,5%,1/8W,AA,TP,1.8X3.2M	
...3	R578	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	R579	2004-004097	R-METAL;1.6Kohm,2%,1/2W,AA,TP,6.5x2.5	
...3	R580	2001-000109	R-CARBON(S);4700HM,5%,1/2W,AA,TP,2.4X6.4	
...3	R581	2001-000019	R-CARBON(S);100HM,5%,1/2W,AA,TP,2.4X6.4M	
...3	R582	2008-001062	R-FUSIBLE;39ohm,5%,2W,AF,TP,3.9x10mm	
...3	RF17	2001-000019	R-CARBON(S);100HM,5%,1/2W,AA,TP,2.4X6.4M	
...3	RF18	2001-001079	R-CARBON(S);150HM,5%,1/2W,AA,TP,2.4X6.4M	
...3	RF19	2001-001079	R-CARBON(S);150HM,5%,1/2W,AA,TP,2.4X6.4M	
...3	RF20	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	RF21	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	RF22	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	RF23	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2M	
...3	RF24	2003-001018	R-METAL OXIDE(S);220ohm,5%,2W,AF,TP,3.9x	
...3	RF25	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	RF26	2001-001139	R-CARBON(S);39KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3	RF27	2001-001139	R-CARBON(S);39KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3	RF28	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	RF29	2001-001071	R-CARBON(S);12KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3	RF30	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	RF31	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	RF32	2003-000746	R-METAL OXIDE(S);56ohm,5%,2W,AF,TP,4x12m	
...3	RF33	2001-001100	R-CARBON(S);2.7OHM,5%,1/2W,AA,TP,2.4X6.4	
...3	RF34	2001-001100	R-CARBON(S);2.7OHM,5%,1/2W,AA,TP,2.4X6.4	
...3	RF35	2003-000746	R-METAL OXIDE(S);56ohm,5%,2W,AF,TP,4x12m	
...3	RF36	2003-000652	R-METAL OXIDE(S);330ohm,5%,2W,AF,TP,4x12	
...3	SG501	4715-000106	SURGE ABSORBER;300V,210-390V,-,-,AXIAL	
...3	SG503	4715-000106	SURGE ABSORBER;300V,210-390V,-,-,AXIAL	
...3	SG504	4715-000106	SURGE ABSORBER;300V,210-390V,-,-,AXIAL	
..2		0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	
..2		AA41-00497A	PCB-CRT;WT-32Z5HR,FR-1,1L,A,1.6T,330X	S.N.A
..2		AA95-01222A	ASSY-CRT SENSOR MODULE;,32Z5,K54A,NTSC	
...3	SCN01	3711-002702	CONNECTOR-HEADER;NOWALL,4P,1R,2.5mm,ANGL	
...3	SCN02	AA61-10068A	BRACKET-PCB;M2160,SPTE,T0.3,-,-,-,-	
...3	SEN01	AA32-00010A	SENSOR MAG;TMC3000NF,35MA,-10TO+70C,12V,	
...3		0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	
...3		AA41-00496A	PCB-###### SENSOR;WT-32Z5HR,FR-1,1L,A,1.	S.N.A

ASSY-PCB,NTSC MICOM

1	*	AA95-01328A	ASSY-PCB,NTSC MICOM;,TSL3099WHFXXAA,K54A	
..2	C901	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
..2	C902	2301-000111	C-FILM,PEF;1.8nF,5%,50V,TP,6.5x3.0x5.5mm	
..2	C903	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
..2	C904	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
..2	C905	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
..2	C906	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
..2	C907	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
..2	C908	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
..2	C910	2201-000193	C-CERAMIC,DISC;0.01nF,0.25pF,50V,NP0,TP,	
..2	C911	2201-000573	C-CERAMIC,DISC;0.047nF,5%,50V,NP0,TP,5x3	
..2	C912	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
..2	C913	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
..2	C914	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
..2	C915	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
..2	C916	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
..2	C917	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
..2	C918	2201-000600	C-CERAMIC,DISC;0.56nF,10%,50V,Y5P,TP,5x3	
..2	C919	2202-000806	C-CERAMIC,MLC-AXIAL;220pF,10%,50V,Y5P,TP	
..2	C920	2202-000806	C-CERAMIC,MLC-AXIAL;220pF,10%,50V,Y5P,TP	
..2	CN901	3711-003215	CONNECTOR-HEADER;NOWALL,18P,1R,2.5mm,ANG	
..2	CN902	3711-003543	CONNECTOR-HEADER;NOWALL,16P,1R,2.54mm,AN	
..2	CN903	AA61-10068A	BRACKET-PCB;M2160,SPTE,T0.3,-,-,-,-	
..2	CN904	AA61-10068A	BRACKET-PCB;M2160,SPTE,T0.3,-,-,-,-	
..2	D901	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
..2	D903	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
..2	DZ901	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
..2	DZ902	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
..2	DZ903	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
..2	DZ904	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
..2	DZ905	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
..2	DZ906	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
..2	IC901	AA09-00101A	IC MICOM;Z9037116PSC-OTP,SVP43J5M,52P,	
..2	IC902	1203-000515	IC-VOL. DETECTOR;7042,TO-92,3P,177MIL,PL	
..2	L901	2901-000299	FILTER-EMI ON BOARD;-,6A,UL/CSA,-,9x7.5,	
..2	L902	2901-000299	FILTER-EMI ON BOARD;-,6A,UL/CSA,-,9x7.5,	
..2	L903	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
..2	L906	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
..2	Q901	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
..2	Q902	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
..2	Q903	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
..2	Q904	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
..2	R901	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R902	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R903	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R905	2001-000780	R-CARBON;4700HM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R906	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R907	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R908	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R909	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R910	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R911	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R912	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R913	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R914	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R915	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R916	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R917	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R918	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R919	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R920	2001-000780	R-CARBON;4700HM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R921	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R922	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2	R923	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R924	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R925	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R926	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2	R927	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2	R928	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2	R930	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2	R931	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R932	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R933	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R934	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2	R935	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R936	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R937	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R938	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R939	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R940	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R941	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2	R942	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R943	2001-001062	R-CARBON(S);10MOHM,5%,1/2W,AA,TP,2.4X6.4	
..2	R944	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R945	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R946	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R947	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R948	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R949	2001-000780	R-CARBON;4700HM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R950	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2	R952	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2	R953	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2	R954	2001-000780	R-CARBON;4700HM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R955	2001-000411	R-CARBON;18KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R956	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R958	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2	R959	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
..2	R960	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R961	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R962	2001-000832	R-CARBON;5100HM,5%,1/8W,AA,TP,1.8X3.2M	
..2	X901	2801-003224	CRYSTAL-UNIT;32.768KHz,20ppm,28-AAY,12.5	
..2		0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	
..2		AA41-00159C	PCB-NTSC MICOM;CT-29A7DR,FR-1,1L,C,1.6T,	

Loc. No.		Code No.	Description ; Specification	Remark

ASSY-PCB,DOLBY

1	*	AA95-00975A	ASSY-PCB,DOLBY;-,WS32W8HD,KS4A,PAL,-,-	
..2	CN601A	3711-002706	CONNECTOR-HEADER;NOWALL,8P,1R,2.5mm,ANGL	
..2	CN602A	3711-003577	CONNECTOR-HEADER;NOWALL,11P,1R,2.5mm,ANG	
..2	CN603A	AA61-10068A	BRACKET-PCB;M2160,SPTE,T0.3,-,-,-,-	
..2		AA99-20087K	ASSY-PCB SUB,AUTO; AA95-00975A ,V	S.N.A
...3	C601	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
...3	C602	2401-000287	C-AL;100uF,20%,16V,WT,TP,6.3x11,5	
...3	C603	2203-000938	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,2012	
...3	C604	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3	C605	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
...3	C606	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3	C607	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
...3	C608	2401-000287	C-AL;100uF,20%,16V,WT,TP,6.3x11,5	
...3	C609	2203-000938	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,2012	
...3	C610	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3	C611	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
...3	C612	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
...3	C613	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
...3	C614	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3	C615	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
...3	C616	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
...3	C617	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3	C618	2203-005590	C-CERAMIC,CHIP;330NF,10%,16V,X7R,TP,2012	
...3	C619	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
...3	C620	2203-000938	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,2012	
...3	C621	2401-000287	C-AL;100uF,20%,16V,WT,TP,6.3x11,5	
...3	C622	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
...3	C623	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
...3	C624	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
...3	C625	2401-000287	C-AL;100uF,20%,16V,WT,TP,6.3x11,5	
...3	C626	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3	C627	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
...3	C628	2203-000181	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
...3	IC601	1204-001198	IC-DECODER;DPL3519A-A2,PLCC,68P,-,PLASTI	
...3	IC602	1201-000541	IC-OP AMP;062,SOP,8P,153MIL,DUAL,6V/mV,	
...3	L601	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3	L602	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3	L603	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3	L604	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
...3	R601	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
...3	R602	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3	R603	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3	R604	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3	R605	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3	R606	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3	R607	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3	R608	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
...3	R609	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
...3	R610	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
...3	R611	2007-001243	R-CHIP;91KOHM,5%,1/10W,DA,TP,2012	
...3	R612	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
...3	R613	2007-001243	R-CHIP;91KOHM,5%,1/10W,DA,TP,2012	
...3	R614	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
...3	R615	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3	R617	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
...3		AA41-00162D	PCB-DOLBY;WT-32Z5HR,FR-4,4L,D,1.6T,245x	S.N.A
..2		0202-001004	SOLDER-CREAM;SQ-2030M SZH-1,S63A,D0.04,6	S.N.A
..2		0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	

ASSY-PCB, A/V SIDE

1	*	AA95-01329A	ASSY-PCB, A/V SIDE;,TSL3099WHFXXAA,K54A,	
..2	C701	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP	
..2	C702	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP	
..2	C703	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
..2	C704	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
..2	C705	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
..2	C706	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP	
..2	C707	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP	
..2	C708	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
..2	CN701A	AA39-20159C	LEAD CONNECTOR-ASSY;,12P,YBNH025-12,6709	
..2	JA701A	3722-001031	JACK-PIN;3P,3.6mm,#18,AU	
..2	JA702A	3722-001163	JACK-VHS;4P,12mm,AU,BLK,N	
..2	JA703A	3722-000143	JACK-PHONE;1P(VER),3.4PI,AG,BLK,NO	
..2	L706	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
..2	L707	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
..2	L708	2702-001096	INDUCTOR-RADIAL;33uH,10%,6x4mm	
..2	L709	2702-001096	INDUCTOR-RADIAL;33uH,10%,6x4mm	
..2	R706	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R707	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2M	
..2	R708	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R709	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2	R710	2001-000490	R-CARBON;200OHM,5%,1/8W,AA,TP,1.8X3.2M	
..2		AA61-00451B	HOLDER-AV;32Z5,ABS,-,-,-,G4309,HB	S.N.A
..2		AA61-00544C	HOLDER-AV,COVER ASSY;32Z5,ABS,GRAY,HB KS	S.N.A
...3		AA61-00452B	HOLDER-AV,COVER;32Z5,ABS,-,-,-,GRAY,HB	S.N.A
...3		AA64-01204D	INLAY-SIDE,AV;32Z5,PS SHEET,T0.3,KS4A SE	S.N.A
..2		AA61-00545A	HOLDER-AV,HOUSING ASSY;32Z5,ABS,-,-,-,GR	S.N.A
...3		6003-001070	SCREW-TAPTITE;BH,+,B,M2,L4,ZPC(BLK),SWRC	
...3		AA61-00453B	HOLDER-AV,HOUSING;32Z5,ABS,-,-,-,GRAY,HB	S.N.A
...3		AA61-30001A	LATCH-DOOR;-,-,-,-,-,-,-,KIFUCO LA701	
...3		AA61-80002A	DAMPER-GEAR;-,DP802,-,-,-,-,BLU,DP802	
..2		AA61-60109D	SPRING-DOOR;32W8,SUS304L,-,-,-,-,-,-,-	S.N.A
..2		AA41-00245A	PCB-SIDE A/V;KS4A,1L,FR-1,245x245x1.6T,8	
..2		3301-001201	CORE-FERRITE;AE,21x11x32mm,1500,280G	
..2		0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	

ASSY-PCB SUB POWER

1	*	AA95-01313A	ASSY-PCB SUB POWER;,TSL3099WFXXAA,K54A,N	
..2	CN803	AA39-20176A	LEAD CONNECTOR-ASSY;,3(2)P,YFH800-03,S,2	
..2	CNH01	AA39-20005D	LEAD CONNECTOR-ASSY;,3P,YBNH250-03,67096	
⚠ ..2	CX811S	2306-000318	C-FILM,MPPF;220nF,20%,250V,TP,-,22.5mm	
⚠ ..2	FS811S	3601-000300	FUSE-CARTRIDGE;250V,6.3A,SLOW-BLOW,GLASS	
..2	GT812A	AA39-00184A	LEAD CONNECTOR ASSY;,1P,YFH800-01,S,300M	
..2	LH01	AA27-00118A	COIL HORIZ. WIDTH;-,800uH,K2 TH 6X20,UST	
..2	LH02	AA27-00032A	COIL-HORIZ.WIDTH;-,90/160/260UH,OS6X20,0	
⚠ ..2	LX811S	AA29-00014A	FILTER LINE NOISE;WT-32Z5,35-2.5MH 4.5A,	
..2	RLH01	3501-001040	RELAY-POWER;12VDC,500mW,10A,1FormA,15mS,	
..2	TH01	AA26-00092A	TRANS-TRANS-FOCUS;3.8mH,-,14P,3.8mH,180V	
..2		AA99-20100J	ASSY-PCB SUB,AUTO; AA95-01313A ,V	S.N.A
...3	CH01	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
...3	DH01	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
...3	FS811A	3602-000114	FUSE-HOLDER;-,-,30mohm	
...3	FS811B	3602-000114	FUSE-HOLDER;-,-,30mohm	
...3	QH01	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1000mW,TO-	
...3	QH02	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3	RH01	2003-001030	R-METAL OXIDE(S);2.4Kohm,5%,1W,AF,TP,2.5	
...3	RH03	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3	RH04	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3	RH05	2003-000532	R-METAL OXIDE(S);18ohm,5%,2W,AF,TP,4x12m	
⚠ ...3	RP811S	2002-001010	R-COMPOSITION;1.8Mohm,5%,1/2W,AA,TP,3.7x	
⚠ ...3	VP811S	1405-000152	VARISTOR;560V,2500A,14x8.5mm,TP	
⚠ ...3	VX811S	1405-000152	VARISTOR;560V,2500A,14x8.5mm,TP	
..2		AA41-00275C	PCB-SUB POWER;WT-32Z5HD,CEM-1,1L,C,1.6T,	S.N.A
..2		0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	

ASSY-TACK S/W

1	*	AA95-01217A	ASSY-TACK S/W;,32Z5,K54A,NTSC	
..2	CNM01	AA39-20068J	LEAD CONNECTOR ASSY;,8P,YBNH250-08,67096	
..2	DM03	1404-001039	THERMISTOR-NTC;10Kohm,1%,3435K,2.1mW/C,B	
..2	LDM01	0601-000198	LED;ROUND,RED/GRN,5.0mm,630/565nm	
..2	PCB+HP	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
..2	RMN01	AA32-00005A	MODULE REMOCON;VISHAY,10,700~850,-,-,ST	
..2	SWM01	3404-000176	SWITCH-TACT;12V,50mA,120gf,6x6mm,SPST	
..2		AA99-20096M	ASSY-PCB SUB,AUTO; AA95-01217A ,V	S.N.A
...3	CM01	2401-002291	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	
...3	DM01	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3	DM02	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
...3	QM01	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	

Loc. No.		Code No.	Description ; Specification	Remark
...3	QM02	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3	RM01	2001-000020	R-CARBON(S);220HM,5%,1/2W,AA,TP,2.4X6.4M	
...3	RM02	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3	RM03	2001-001114	R-CARBON(S);270OHM,5%,1/2W,AA,TP,2.4X6.4	
...3	RM04	2001-001114	R-CARBON(S);270OHM,5%,1/2W,AA,TP,2.4X6.4	
...3	RM05	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3	RM06	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3	RM07	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
...3	RM08	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
..2		AA61-00450B	HOLDER-POWER;32Z5,ABS,-,-,-,GRAY,HB	S.N.A
..2		AA41-00310B	PCB-TACK SWITCH;WT-32Z5HR,FR-1,1L,B,1.6T	S.N.A
..2		0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	

ASSY PCB CONTROL

1	*	AA95-01360A	ASSY PCB CONTROL;,K54A,TSL3099WHFXXAA	
..2	CNC01	AA39-00243A	LEAD CONNECTOR ASSY;,5P,YBNH250-05,35155	
..2	PCB+KC	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
..2	SWC01	3404-000176	SWITCH-TACT;12V,50mA,120gf,6x6mm,SPST	
..2	SWC02	3404-000176	SWITCH-TACT;12V,50mA,120gf,6x6mm,SPST	
..2	SWC03	3404-000176	SWITCH-TACT;12V,50mA,120gf,6x6mm,SPST	
..2	SWC04	3404-000176	SWITCH-TACT;12V,50mA,120gf,6x6mm,SPST	
..2	SWC06	3404-000176	SWITCH-TACT;12V,50mA,120gf,6x6mm,SPST	
..2	SWC07	3404-000176	SWITCH-TACT;12V,50mA,120gf,6x6mm,SPST	
..2		AA64-01201F	KNOB CONTROL;32Z5,ABS,HB,BLK,DG-703P	
..2		AA99-20100K	ASSY-PCB SUB,AUTO; AA95-01360A ,V	S.N.A
...3	RC03	2001-000387	R-CARBON;16KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	RC04	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	RC05	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	RC06	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2	
...3	RC07	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2	
..2		AA41-00294A	PCB-CONTROL;WT-32Z5DI,FR-1,1L,A,1.6T,245	S.N.A
..2		0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	

ASSY TERMINAL BOARD

1	*	AA91-00470D	ASSY TERMINAL BOARD;,HIPS,VO,BLK,KS4A SE	
..2	DC06	2201-000532	C-CERAMIC,DISC;4.7nF,10%,50V,Y5P,TP,8x3.	
..2	DC07	2201-000532	C-CERAMIC,DISC;4.7nF,10%,50V,Y5P,TP,8x3.	
..2	DC09	2201-000144	C-CERAMIC,DISC;0.1nF,5%,50V,NP0,TP,8.5x3	
..2	DC10	2201-000144	C-CERAMIC,DISC;0.1nF,5%,50V,NP0,TP,8.5x3	
..2	DCN01	AA39-20070E	LEAD CONNECTOR-ASSY;,7P,YBNH025-07,67096	
..2	DCN02	AA39-20183A	LEAD CONNECTOR-ASSY;,8P,YBNH250-08,67096	
..2	DJK01	3722-001547	JACK-PIN;3P,3.5mm,AU,GRN/BLU/RED,-	
..2	DJK02	3722-001439	JACK-PIN;2P,3.5mm,NI,BLK,-	
..2	DJK03	3722-001546	JACK-PIN;3P,3.5mm,AU,WHT/RED/BLK,-	
..2	DL01	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
..2	DL02	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
..2	DL03	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
..2	DL04	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
..2	DLF01	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
..2	DLF02	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
..2	DVDPCB	6006-001095	SCREW-ASS'Y TAPT;WP,BH,+,M4,L12,ZPC(YEL)	S.N.A
..2	DZ04	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
..2	DZ05	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
..2	DZ06	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
..2	DZ07	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
..2		3301-001201	CORE-FERRITE;AE,21x11x32mm,1500,280G	
..2		AA41-00292B	PCB-DTV JACK;WT-32Z5HR,FR-1,1L,B,1.6T,33	S.N.A
..2		AA63-00312B	TERMINAL-BOARD;32Z5,HIPS,-,-,-,-,VO,BLK	
..2		AA64-01205G	INLAY-BACK;TSL3099,PS SHEET,T0.5,K54A SE	S.N.A

ASSY CABINET

1	*	AA90-00377C	ASSY CABINET;32Z5,TSL3099WHFXXAA	S.N.A
..2	BC+CF	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWR	
..2	CABBAC	AA60-00091J	SPACER-FELT;-,FELT,330X10,-,-,BLK,T0.5,-	S.N.A
..2	CB+CF	AA60-10050T	SCREW-TAPPING;-,SWRCH18A,M4,L20,RH,+,2S,	
..2	CB_TBA	AA60-10050T	SCREW-TAPPING;-,SWRCH18A,M4,L20,RH,+,2S,	

Loc. No.		Code No.	Description ; Specification	Remark
..2	CRT	AA63-60004L	SPACER-GUM,CRT;-,NTR RUBBER,-,-,-,BLK,T3	
..2	CRT+CF	AA60-10050V	SCREW-ASSY;-,SWRCH18A,M6,L30,HH,+,WC,-,Z	
..2	DR+CF	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWR	
..2	HP+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	
..2	KC+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	
..2	TB+RCA	AA60-10050T	SCREW-TAPPING;-,SWRCH18A,M4,L20,RH,+,2S,	
..2	WOOFER	6006-001096	SCREW-ASS'Y TAPT;WP,BH,+,M4.0,L12,BLK,SW	S.N.A
..2		AA64-01198B	CABINET BACK;32Z5,HIPS,-,-,-,VO,G4309,-	
..2		AA73-00005B	RUBBER-CAP;FLAT,PRJ,SILICONE RUBBER,WHIT	
..2		AA64-01291B	INLAY-COVER;D4,PVC-SHEET,T0.4,94 V0,-,-	S.N.A
..2		AA64-60421C	INLAY-COVER;-,PS,T0.3,-,-,BLK,SEA	
..2		AA65-30008A	CLAMP-CORD;-,PE,HB,-,BLK,-	

ASSY CABINET FRONT

1	*	AA91-00469H	ASSY CABINET FRONT;,TSL3099WHF,DG703+VT0	
..2	DOME	AA60-10050A	SCREW-ASSY;-,SWRCH18A,M4,L25,RH,+,WP,-,Z	S.N.A
..2	MAS+CF	6003-001019	SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR	
..2	WIN+CF	6003-001019	SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR	
..2		AA64-01199F	CABINET-MASK;TSL3099,HIPS,VO,BLK,DG-703P	S.N.A
..2		AA64-01200F	KNOB POWER;32Z5,ABS,HB,BLK,DG-703P	
..2		AA64-01202B	WINDOW REMOCON;32Z5,PC,-,-,-,VO,VIOLET,-	
..2		AA64-01203B	INDICATOR LED;32Z5,ACRYL,-,CLR,-,-,-	
..2		AA91-00486A	ASSY HOLDER SPK;-,PP,8ohm/10W,BLK,ZEUS S	
..2		AA61-60003J	SPRING-CS;-,SUS304,-,-,OD6,N7,OD6,-,-,-	
..2		AA64-01062B	BADGE BRAND;32Z5,AL FORGING,-,-,L65,-,SI	S.N.A
..2		AA64-01197D	CABINET-FRONT;32Z5,HIPS,VO,BLK,DG703+VT0	S.N.A

ASSY CHASSIS PART

1	*	AA90-00378A	ASSY CHASSIS PART;K54A,32Z5HR	S.N.A
..2	C-BLOC	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
..2	MP+HC	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
..2	PP+HC	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
..2	SUBPCB	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
..2	TBA+HC	6006-001095	SCREW-ASS'Y TAPT;WP,BH,+,M4,L12,ZPC(YEL)	S.N.A
..2		AA61-00449C	HOLDER-CHASSIS;32Z5,HIPS,-,-,-,G4309,VO	S.N.A

ASSY TBC WIRE(P)

1	*	AA98-70011G	ASSY TBC WIRE(P);-,32inch,NTSC,2PWH,KS4A	S.N.A

ASSY HOLDER SPK

1	*	AA91-00487A	ASSY HOLDER SPK;-,PP,8ohm/25W,-,ZEUS SUB	

ASSY CRT

⚠ 1	*	AA94-05150A	ASSY CRT;W76QDE991X002,+380MG,32	
..2		AA03-00313A	CRT COLOR;W76QED991X002,+380MG,0.273MH,	

ASSY POWER CORD

⚠ 1	*	AA96-20129H	ASSY POWER CORD;-,EP2/YES,H/S 150mm,KJ10	S.N.A

ASSY ACCESSORY

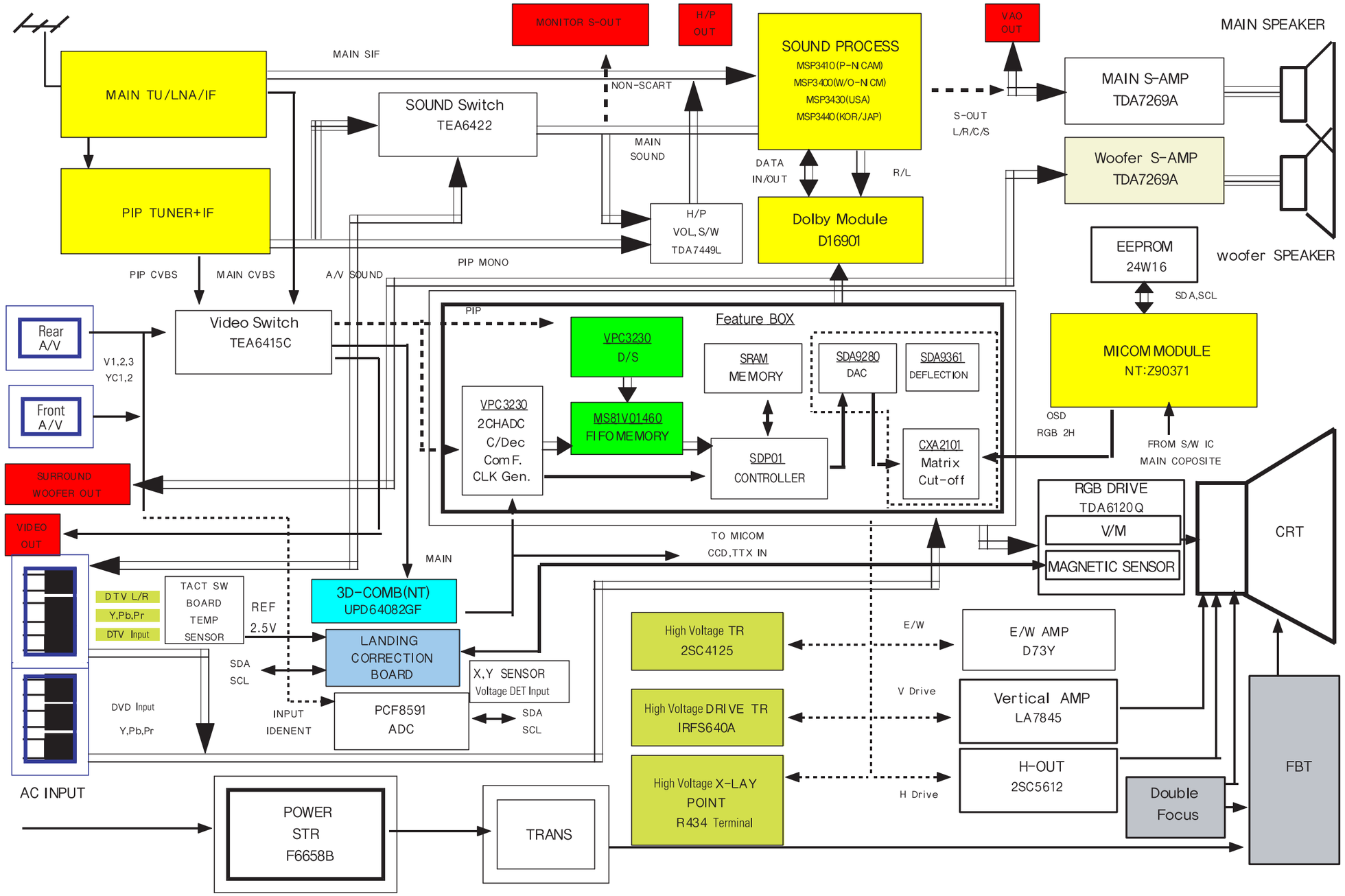
1	*	AA94-03469C	ASSY ACCESSORY;TSL3099WHFXXAA,K54A	S.N.A
..2		AA68-01403A	MANUAL USERS;,ENG,W/P100(G),B5,68PAGE,K5	S.N.A

Loc. No.		Code No.	Description ; Specification	Remark
			REMOCON	
1	*	AA59-00175B	REMOCON;-,TM63,DREAM4,50,L/GRAY,S/S,E	
..2		AA09-00051A	IC-MCU;Z86L8808SSC-R501M,SZTM-822,ST	
..2		2802-000194	RESONATOR-CERAMIC;8MHz,1.0%,TP,8.5x4.5x5	

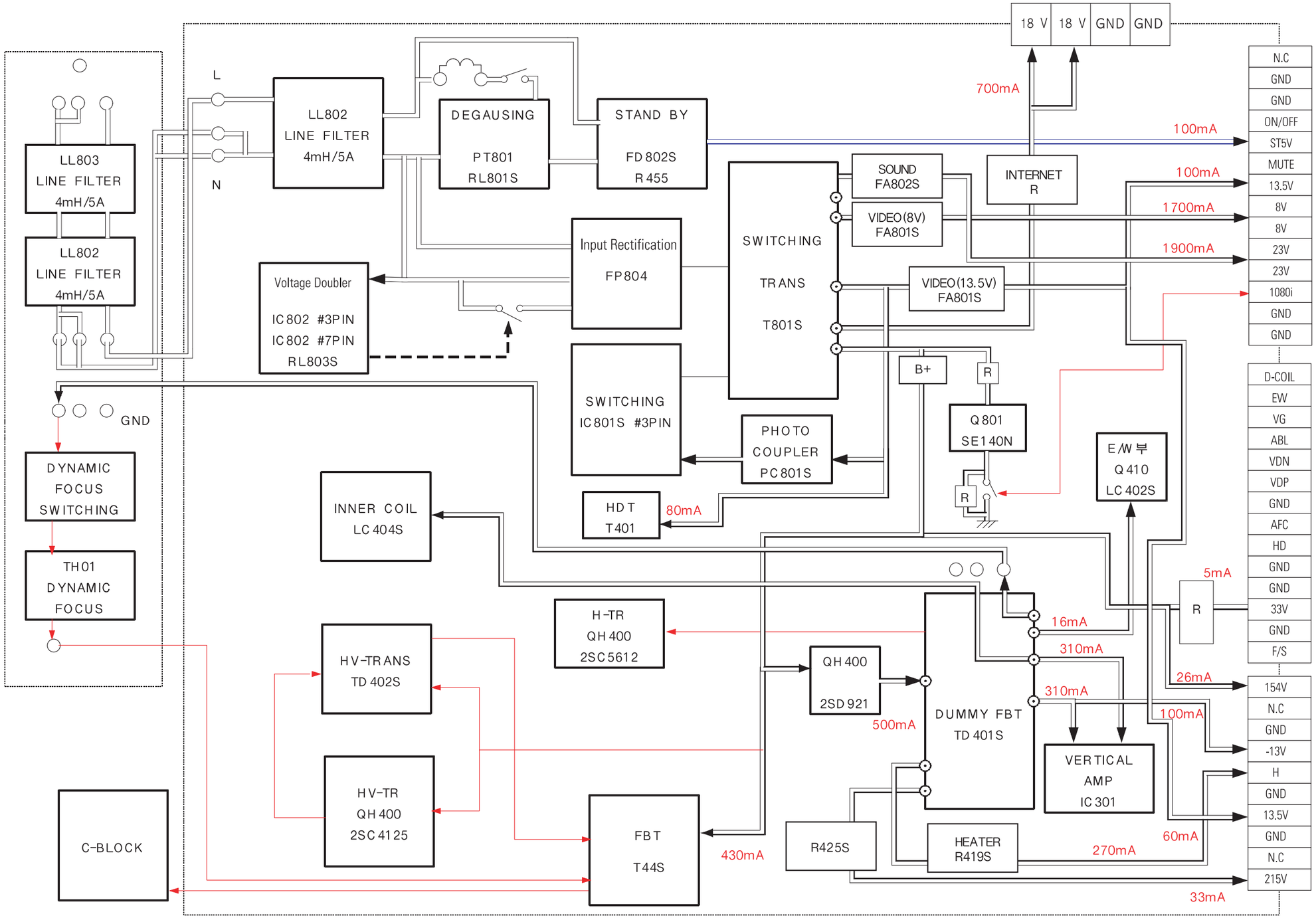
Loc. No.	Code No.	Description ; Specification	Remark

8. Block Diagrams

8-1 Power High Voltage Separation Applied

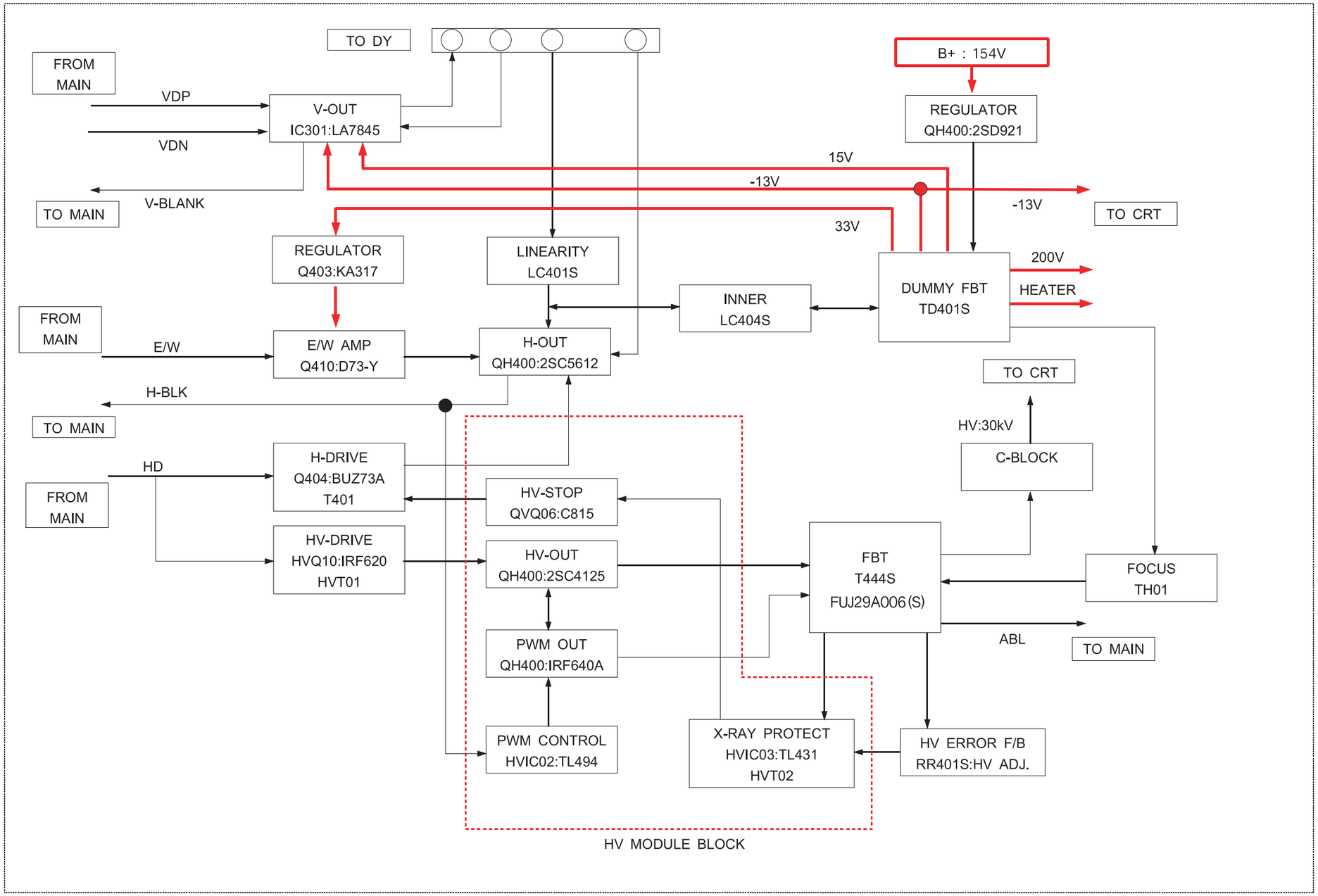


8-2 Power Supply Block Diagram

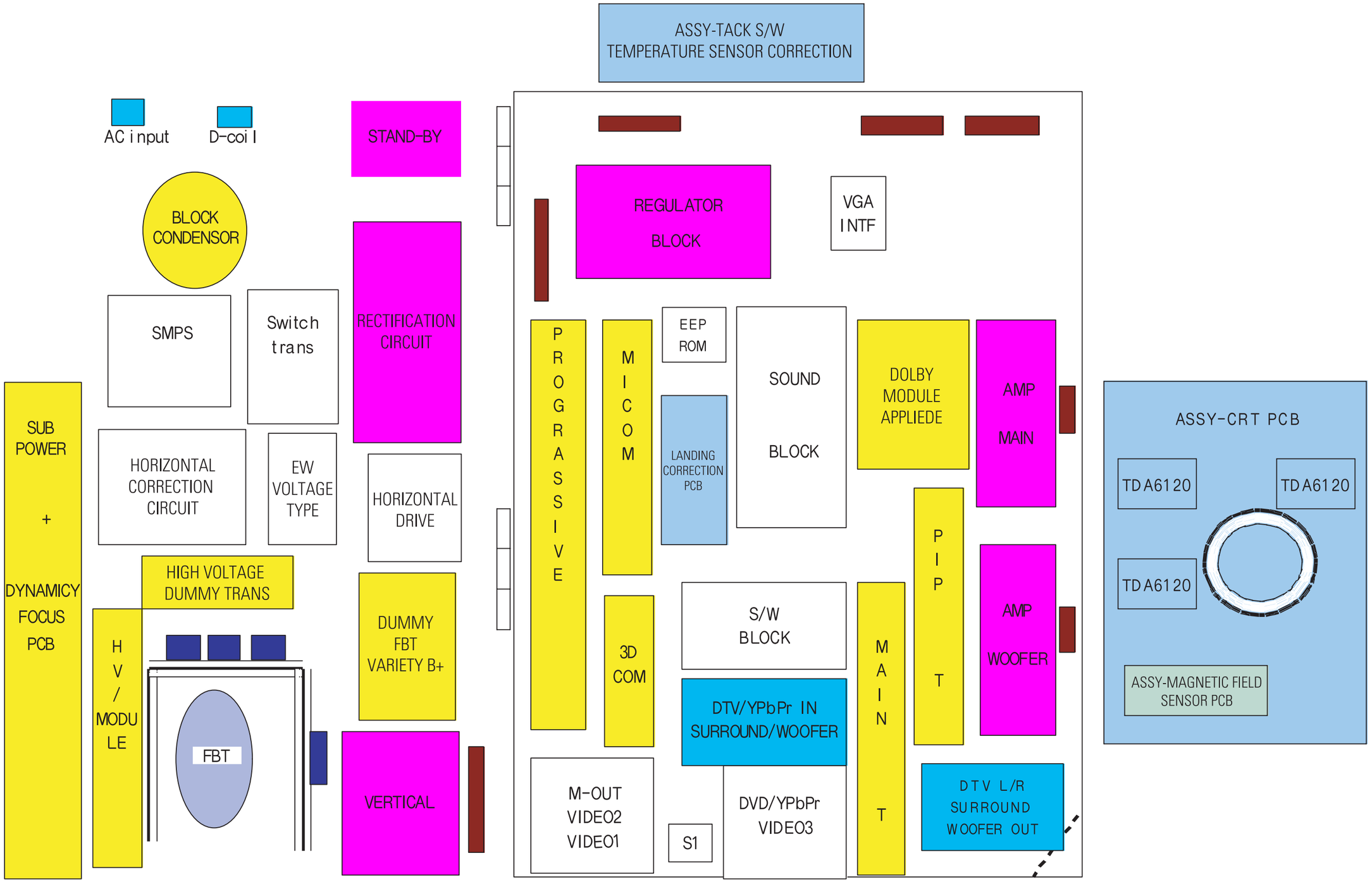


8-3 Deflection Block Diagram

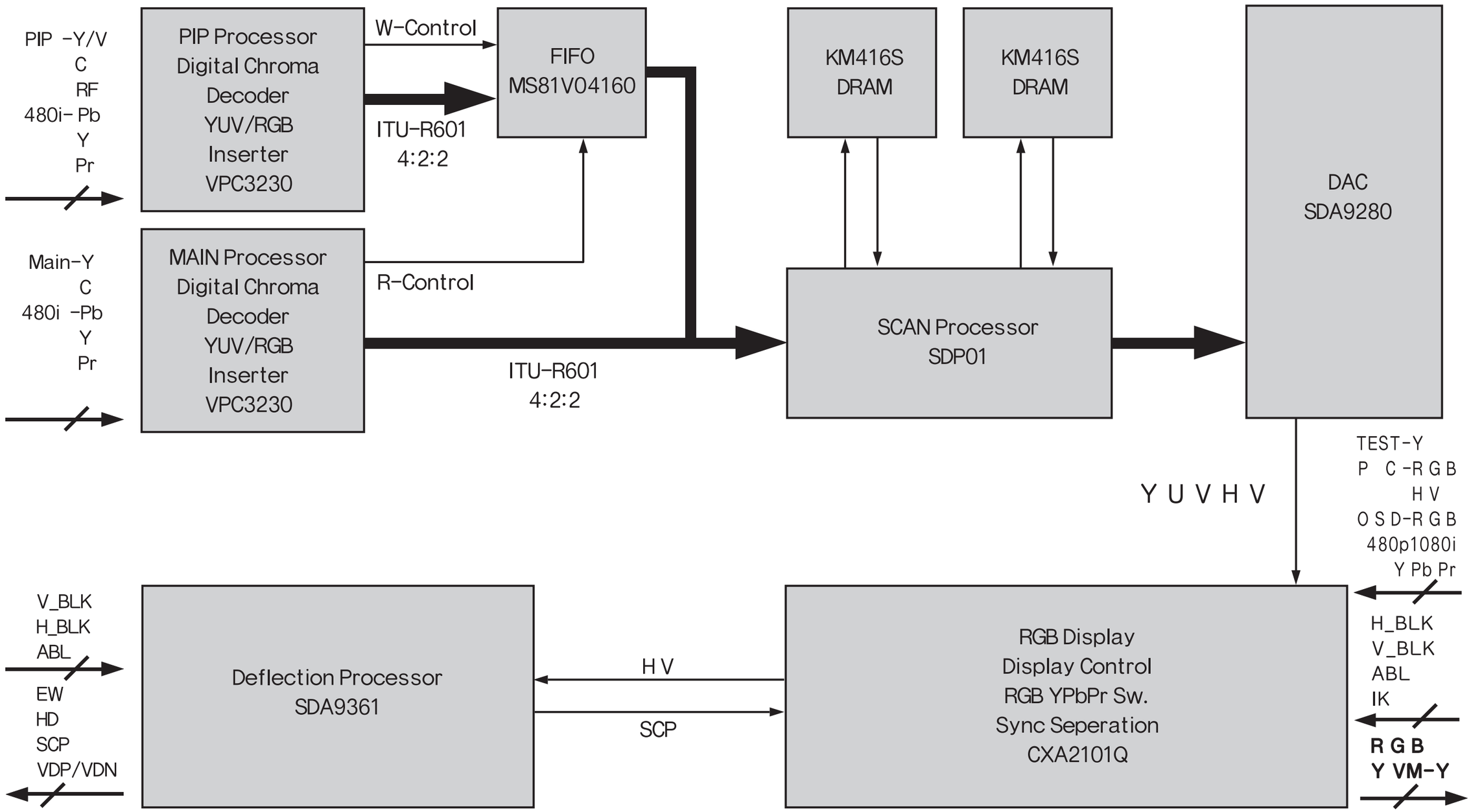
120˚ Wide Angle CET



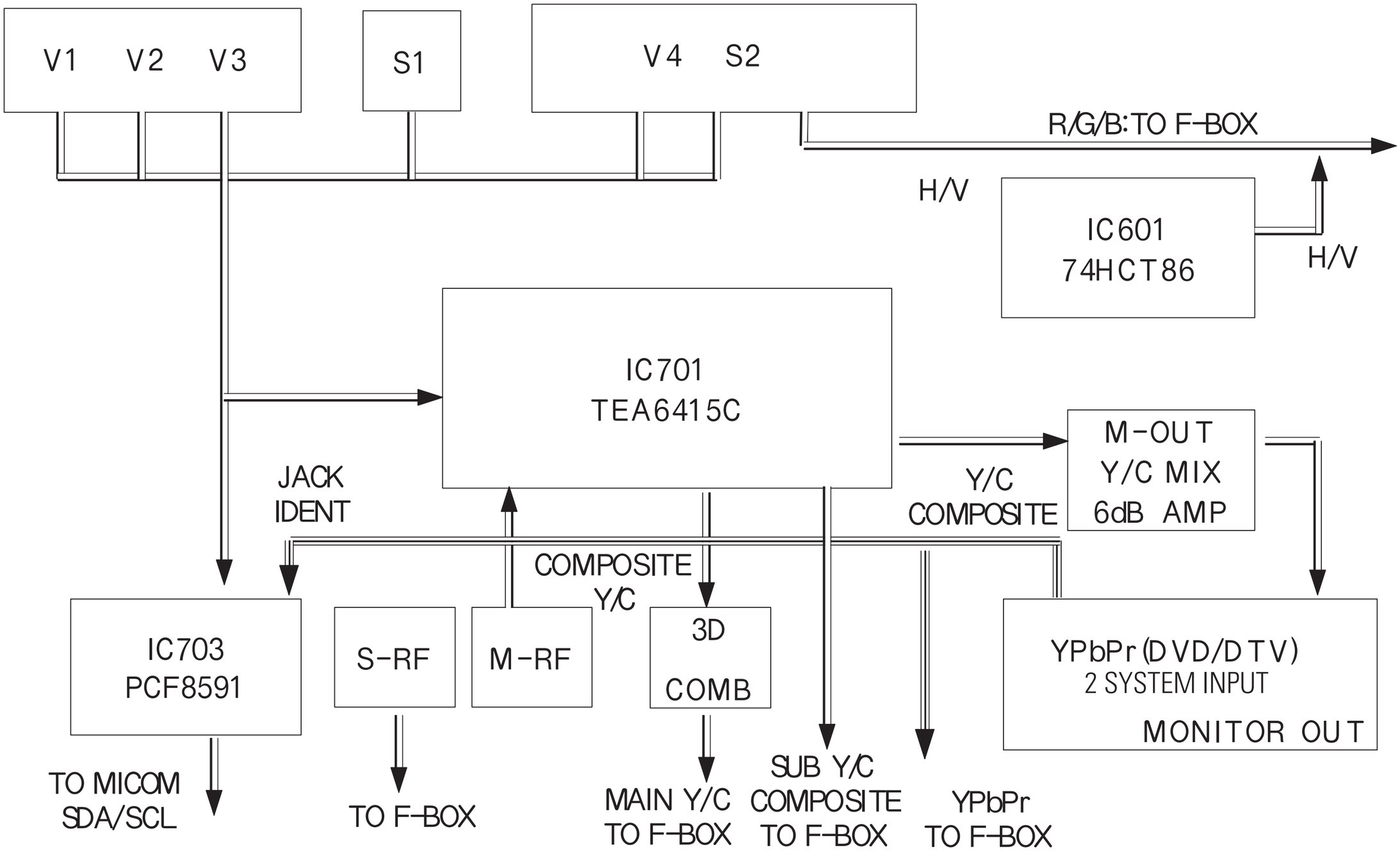
8-4 Magnetic Field Corrction Circuit



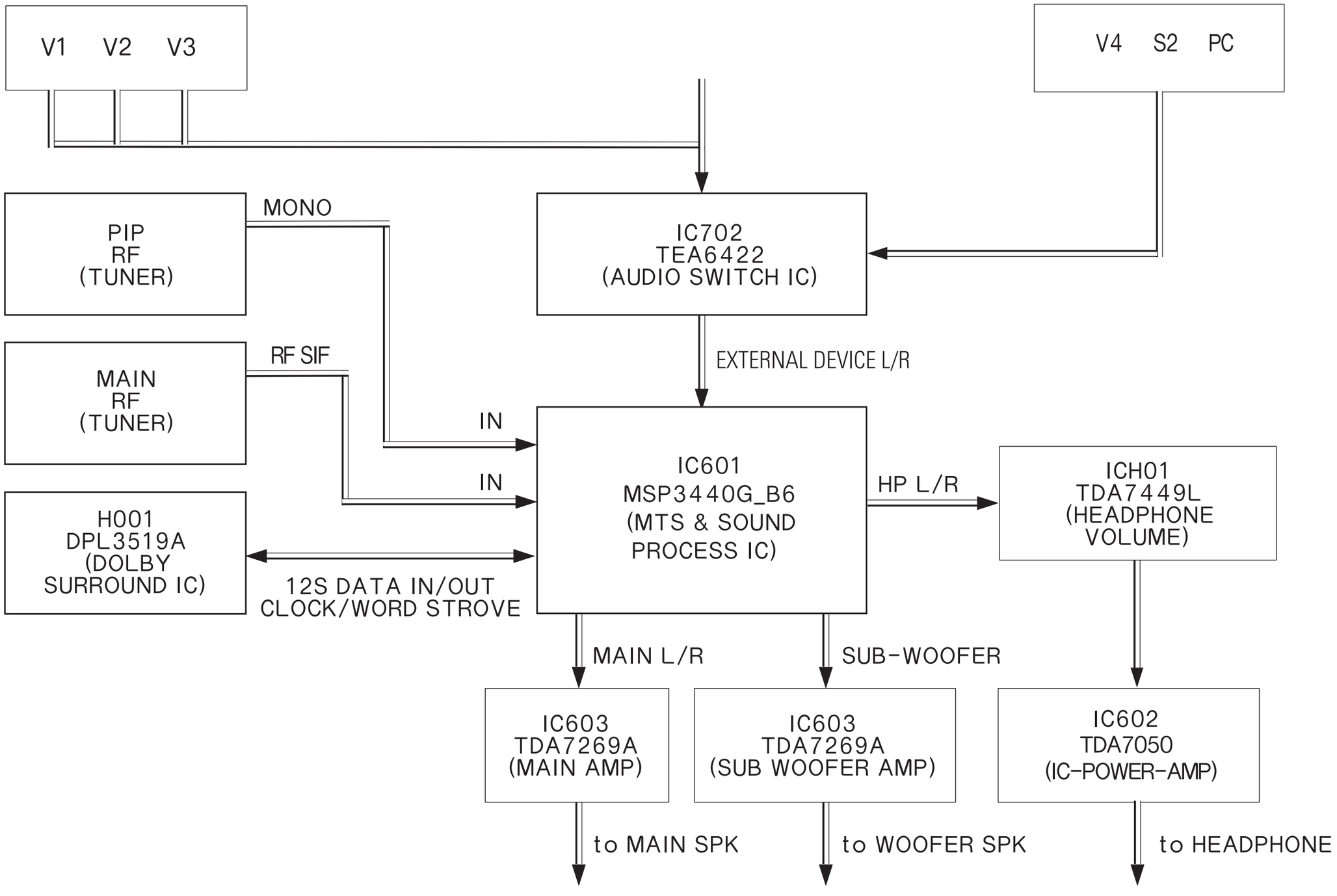
8-5 FEATURE-BOX Block Diagram

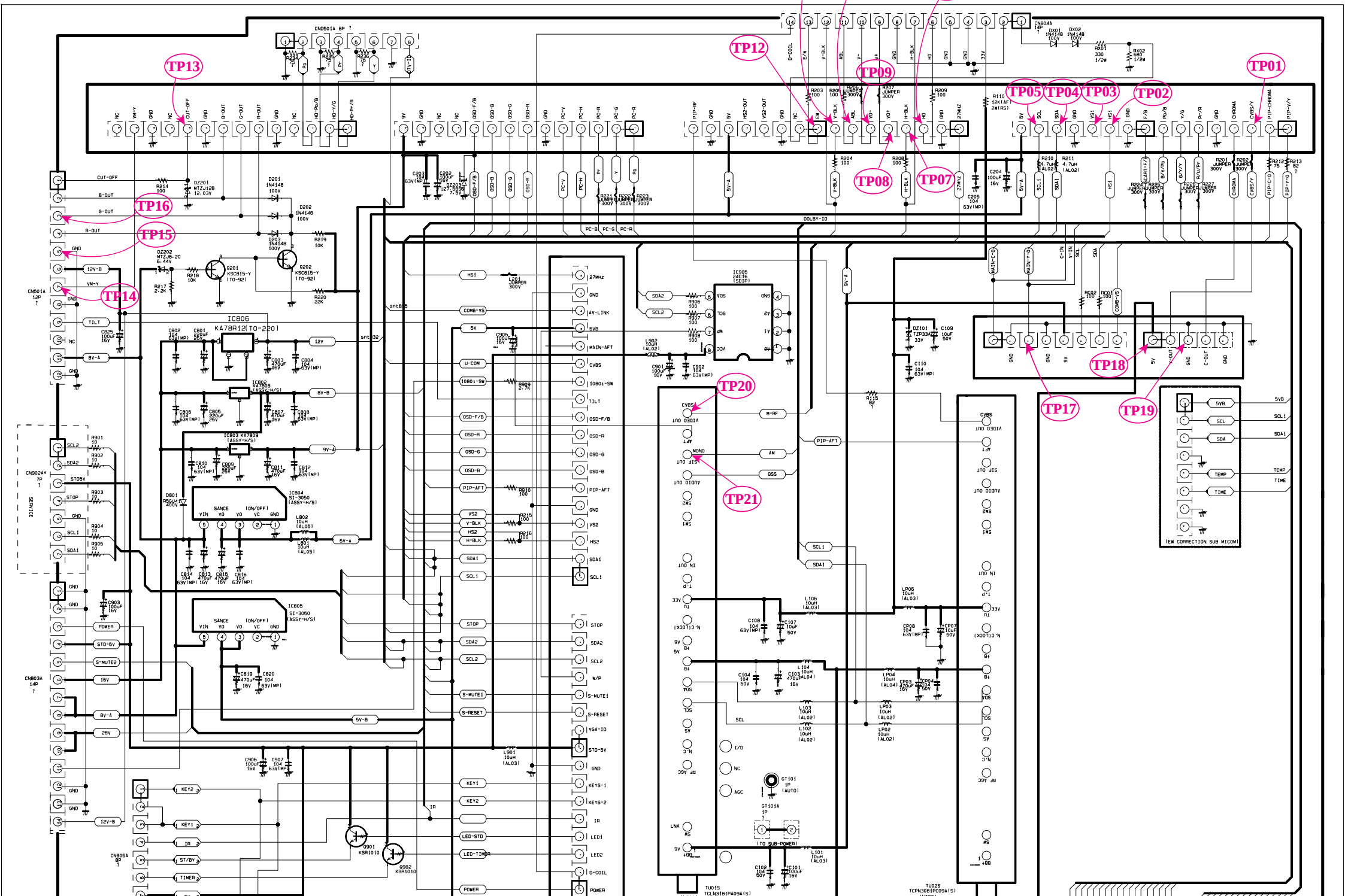


8-6 Video

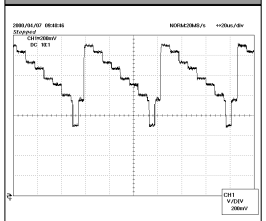

V1 V2 V3
S1
V4 S2
R/G/B: TO F-BOX
H/V
IC601
74HCT86
H/V
IC701
TEA6415C
JACK
IDENT
Y/C
COMPOSITE
M-OUT
Y/C MIX
6dB AMP
COMPOSITE
Y/C
IC703
PCF8591
S-RF
M-RF
3D
COMB
YPbPr(DVD/DTV)
2 SYSTEM INPUT
MONITOR OUT
TO MICOM
SDA/SCL
TO F-BOX
MAIN Y/C
TO F-BOX
SUB Y/C
COMPOSITE
TO F-BOX
YPbPr
TO F-BOX

8-7 Sound

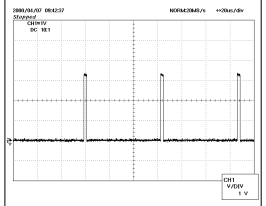

V1 V2 V3
V4 S2 PC
PIP
RF
(TUNER)
MONO
IC702
TEA6422
(AUDIO SWITCH IC)
MAIN
RF
(TUNER)
RF SIF
EXTERNAL DEVICE L/R
IN
IC601
MSP3440G_B6
(MTS & SOUND
PROCESS IC)
IN
HP L/R
ICH01
TDA7449L
(HEADPHONE
VOLUME)
H001
DPL3519A
(DOLBY
SURROUND IC)
12S DATA IN/OUT
CLOCK/WORD STROVE
MAIN L/R
SUB-WOOFER
IC603
TDA7269A
(MAIN AMP)
IC603
TDA7269A
(SUB WOOFER AMP)
IC602
TDA7050
(IC-POWER-AMP)
to MAIN SPK
to WOOFER SPK
to HEADPHONE


TP01
TP02
TP03
TP04
TP05
TP06
TP07
TP08
TP09
TP10
TP11
TP12
TP13
TP14
TP15
TP16
TP17
TP18
TP19
TP20
TP21
IC806
KA78R12(TO-220)
IC802
KA7808
IC803 KA7809
IC804
ST-3050
IC805
ST-3050
IC905
24C16
(SDIP)
CN501A
CN902A*
CN903A
CN904A
CN905A
CN906A
CN804A
IEW CORRECTION SUB MICOM
TU01S
TCLN3181PA09A(S)
TU02S
TCPN3081PC09A(S)

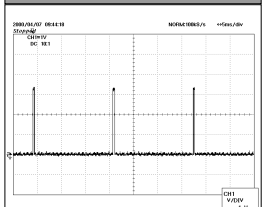
TP01



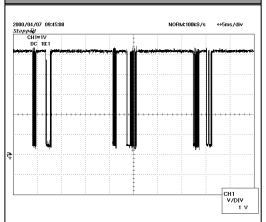
TP02



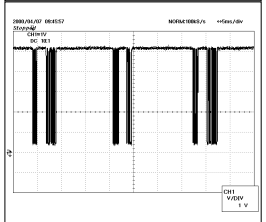
TP03



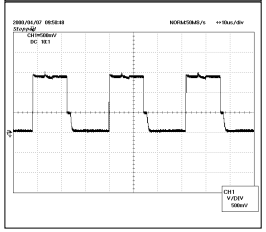
TP04



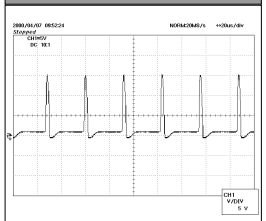
TP05



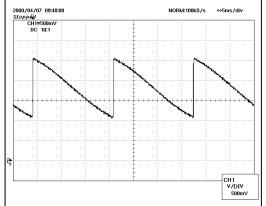
TP06



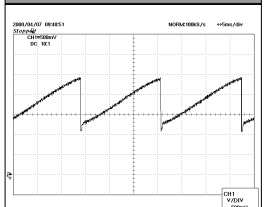
TP07



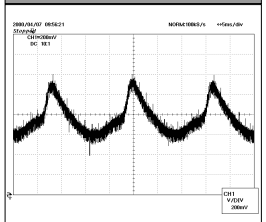
TP08



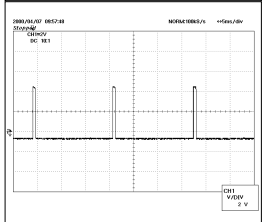
TP09



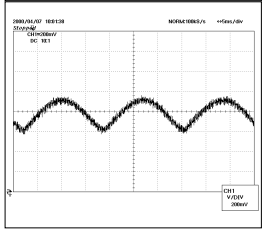
TP10



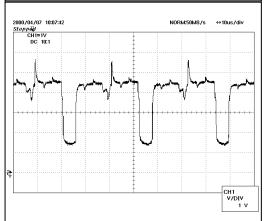
TP11



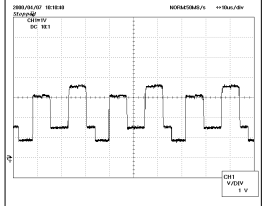
TP12



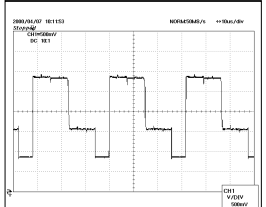
TP13



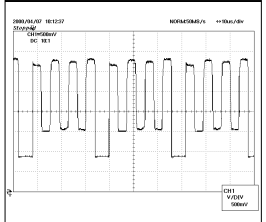
TP14



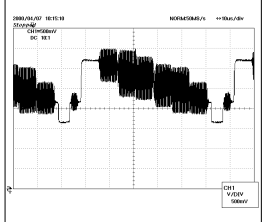
TP15



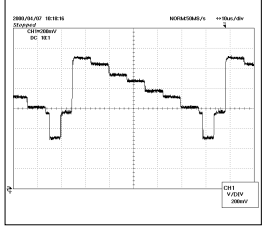
TP16



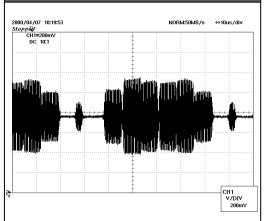
TP17



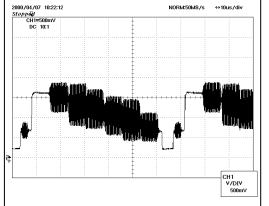
TP18



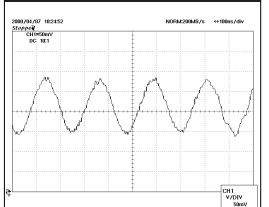
TP19

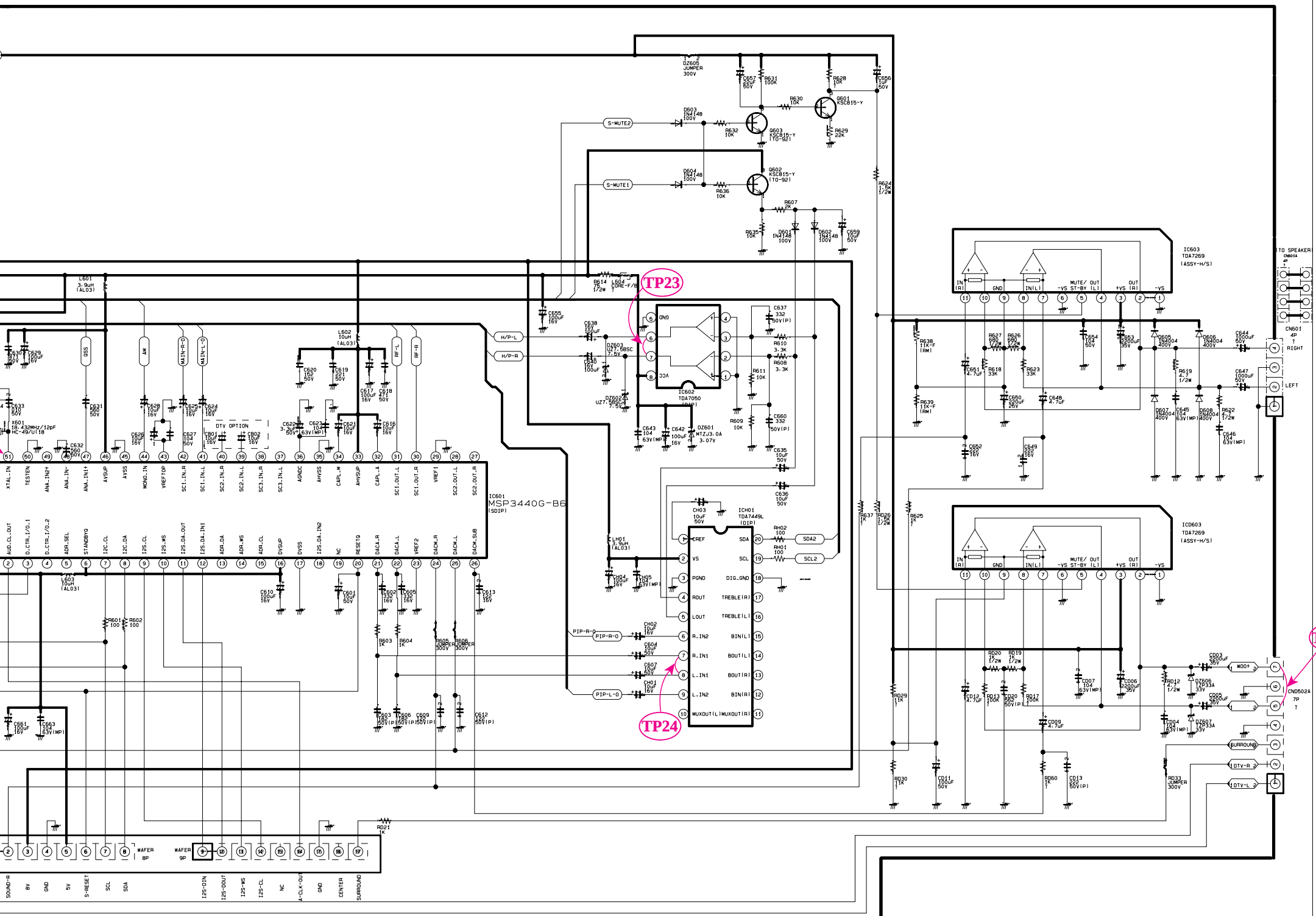


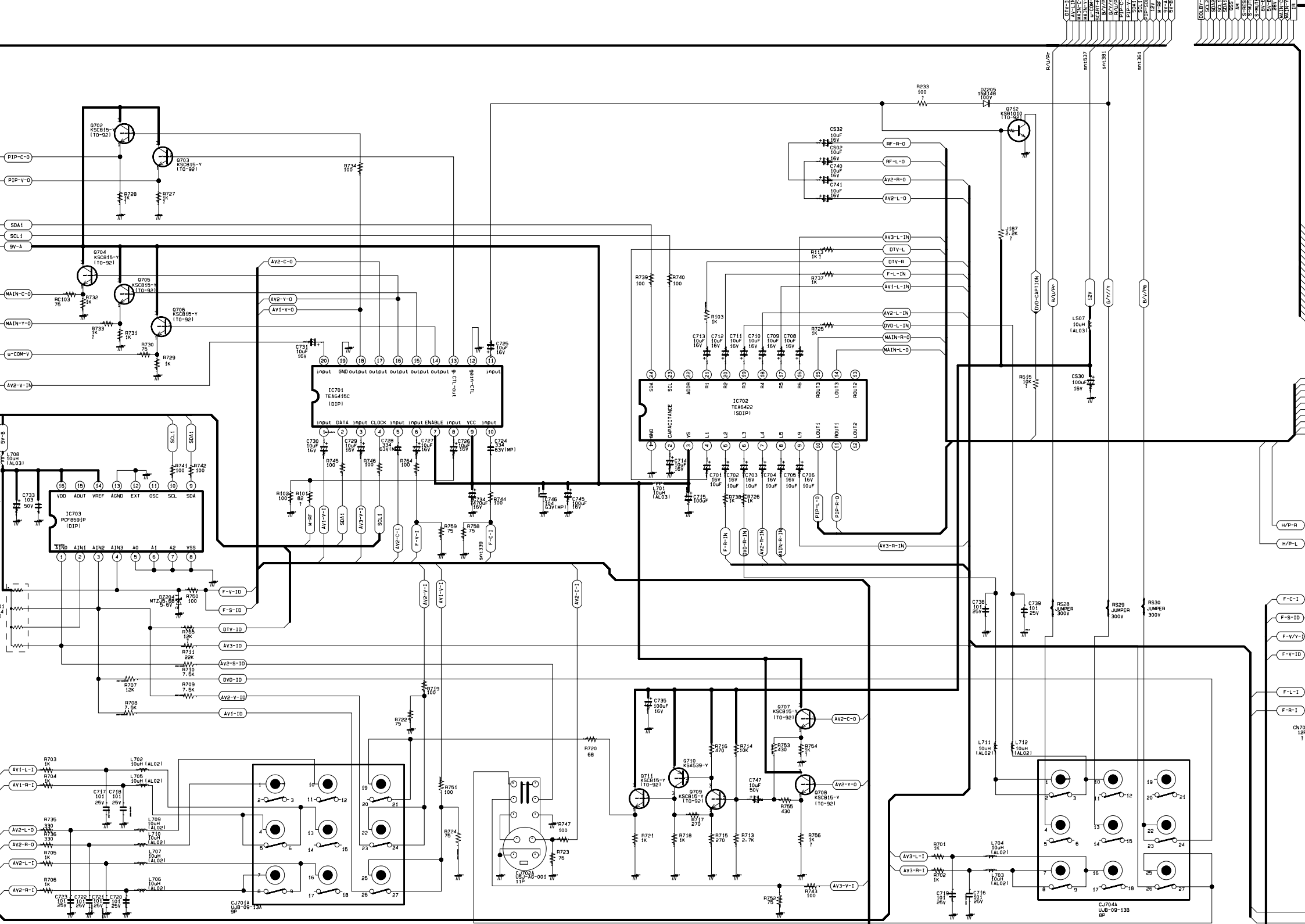
TP20

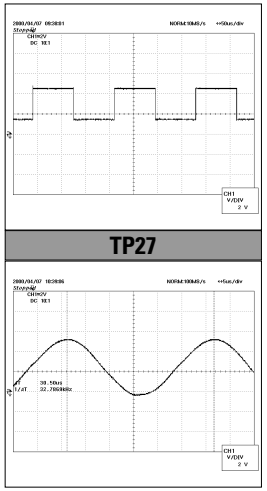


TP21




TP23
TP24
TP25
IC601
MSP3440G-B6
(SDIP)
IC602
TDA7050
(DIP)
IC603
TDA7269
(ASSY-H/S)
ICH01
TDA7449L
(DIP)
ICD603
TDA7269
(ASSY-H/S)
TO SPEAKER
CN601
4P
RIGHT
LEFT
CN502A
7P
H/P-L
H/P-R
S-MUTE2
S-MUTE1
SDA2
SCL2
PIP-R-O
PIP-L-O
SUBWOO+
SURROUND
DTV-R
DTV-L
SOUND-R
5V
S-RESET
SCL
SDA
I2S-DIN
I2S-DOUT
I2S-WS
I2S-CL
NC
A-CLK-OUT
CENTER
WAFER
8P
WAFER
9P

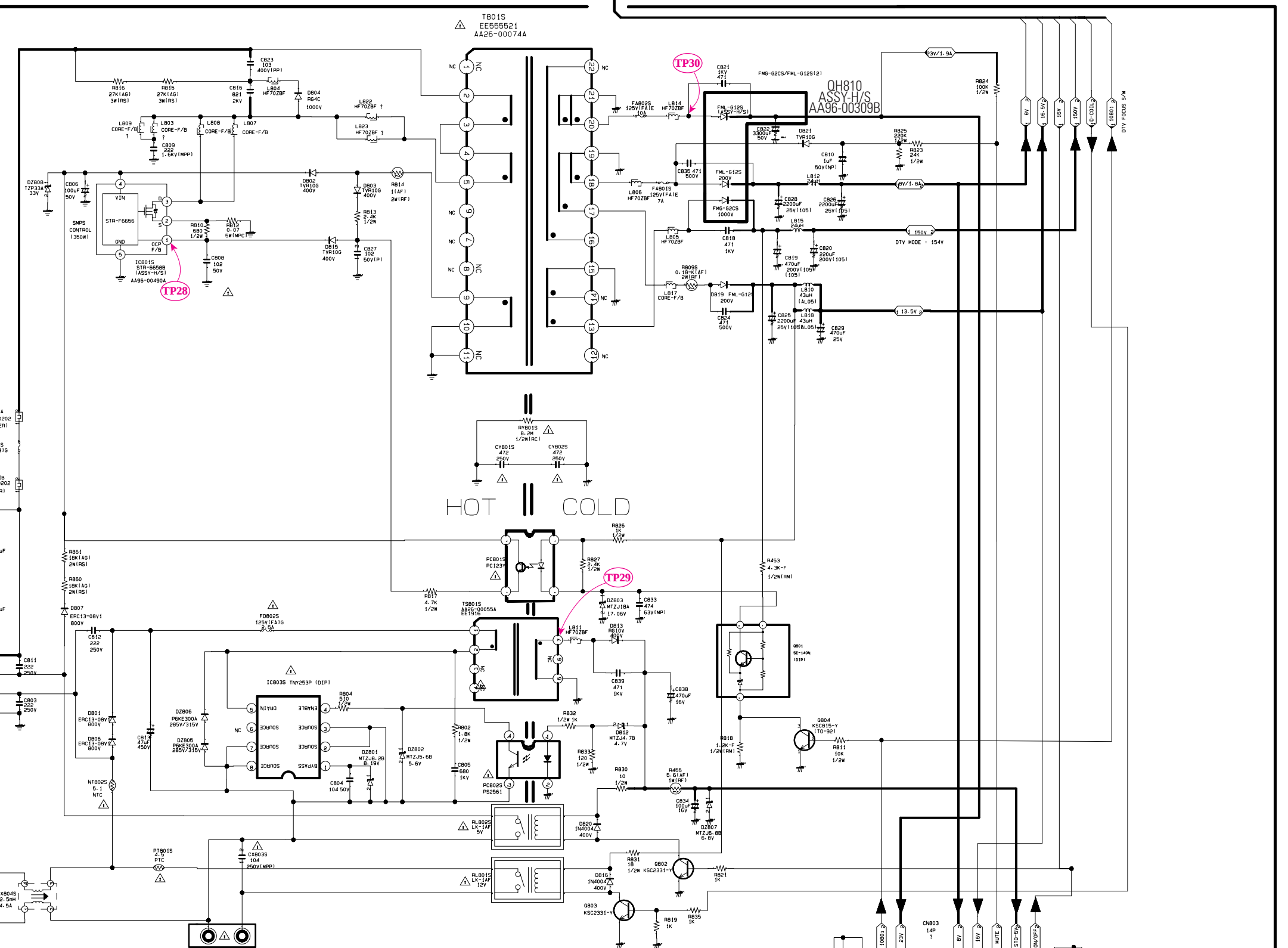

IC701
TEA6415C
(DIP)
IC702
TEA6422
(SDIP)
IC703
PCF8591P
(DIP)
Q702 KSC815-Y (TO-92)
Q703 KSC815-Y (TO-92)
Q704 KSC815-Y (TO-92)
Q705 KSC815-Y (TO-92)
Q706 KSC815-Y (TO-92)
Q707 KSC815-Y (TO-92)
Q708 KSC815-Y (TO-92)
Q709 KSC815-Y (TO-92)
Q710 KSA539-Y
Q711 KSC815-Y (TO-92)
Q712 KSB1010 (TO-92)
DZ205 1N4748 100V
DZ204 MTZ5.6B 5.6V
PIP-C-O
PIP-V-O
SDA1
SCL1
9V-A
MAIN-C-O
MAIN-Y-O
u-COM-V
AV2-V-IN
AV2-C-O
AV2-Y-O
AV1-V-O
AV3-L-IN
DTV-L
DTV-R
F-L-IN
AV1-L-IN
AV2-L-IN
DVD-L-IN
MAIN-R-O
MAIN-L-O
RF-R-O
RF-L-O
AV2-R-O
AV2-L-O
F-V-ID
F-S-ID
DTV-ID
AV3-ID
AV2-S-ID
DVD-ID
AV2-V-ID
AV1-ID
AV1-L-I
AV1-R-I
AV2-L-O
AV2-R-O
AV2-L-I
AV2-R-I
AV3-L-I
AV3-R-I
AV3-V-I
F-C-I
F-S-IO
F-V/Y-I
F-V-ID
F-L-I
F-R-I
DVD-CAPTION
R/U/Pr
12V
G/Y/Y
B/V/Pb
H/P-R
H/P-L
CJ701A UJB-09-13A 9P
CJ702A UJB-AG-001 11P
CJ704A UJB-09-13B 8P



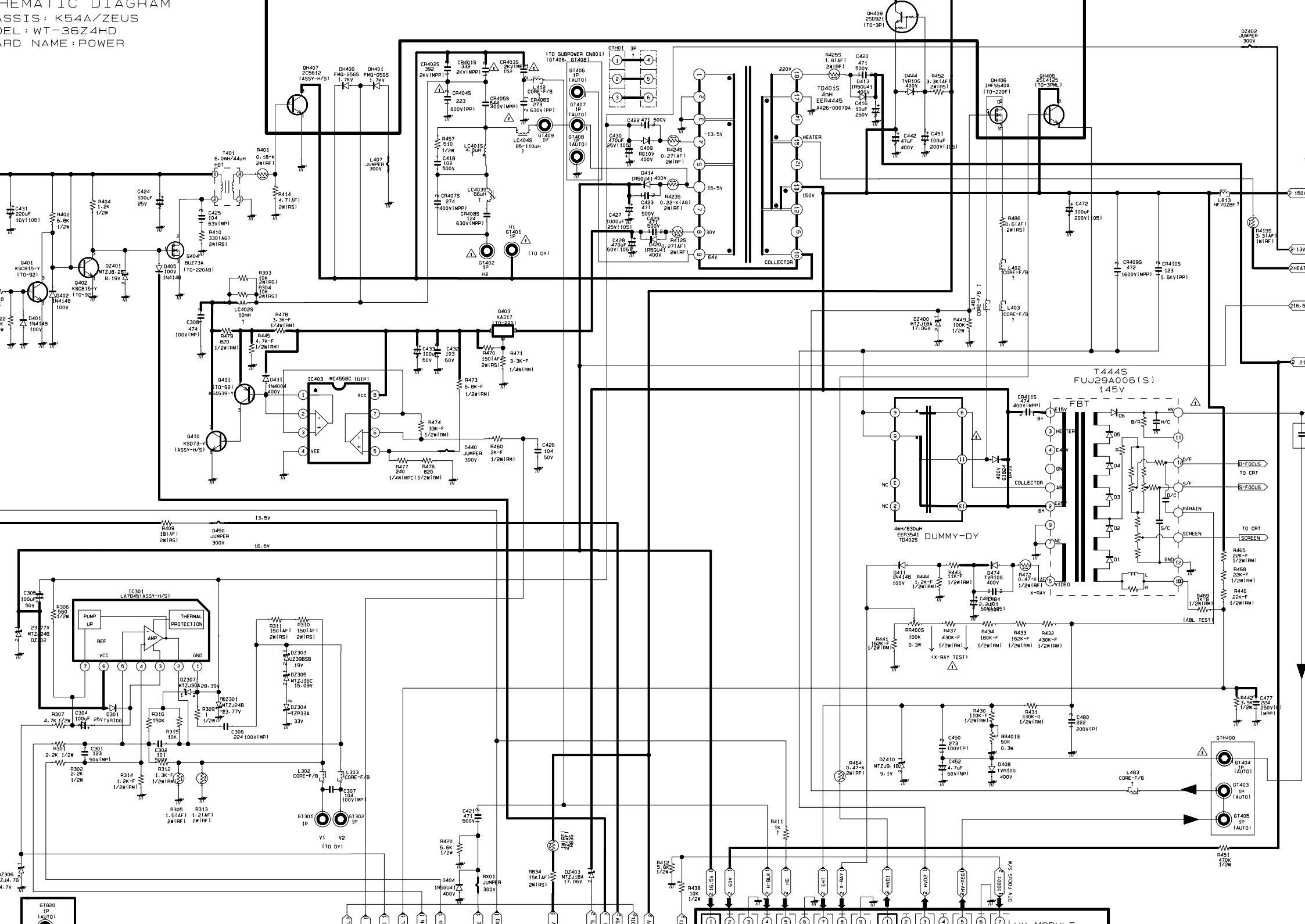
SIDE AV

TP26

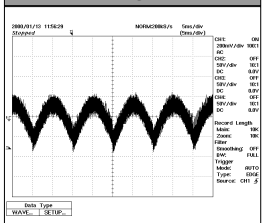
TP27


T801S
EE555521
AA26-00074A
TP30
TP28
TP29
QH810
ASSY-H/S
AA96-00309B
FMG-G2CS/FML-G12S(2)
FML-G12S (ASSY-H/S)
STR-F6656
SMPS CONTROL (350W)
IC801S STR-6656B (ASSY-H/S) AA96-00490A
TSB01S AA96-00055A EE1916
IC803S TNY253P (DIP)
PC801S PC123V
PC802S PS2561
RY801S 8.2M 1/2W(RC)
CY801S 472 250V
CY802S 472 250V
HOT
COLD
DTV MODE : 154V
DTV FOCUS S/W
23V/1.9A
8V/1.8A
150V
13.5V
16.5V
16V
D-COIL
10801
CN803 14P

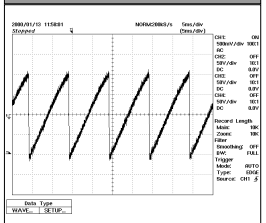
HEMATIC DIAGRAM
ASSIS: K54A/ZEUS
DEL : WT-36Z4HD
ARD NAME : POWER



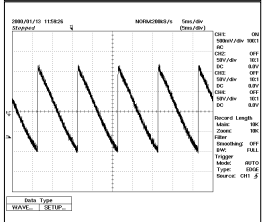
TP31



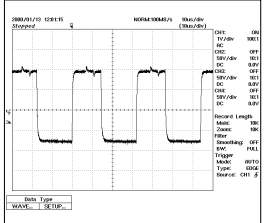
TP32



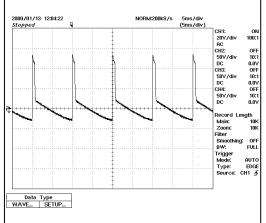
TP33



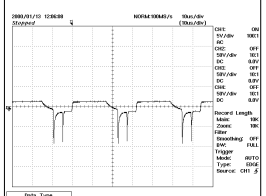
TP34



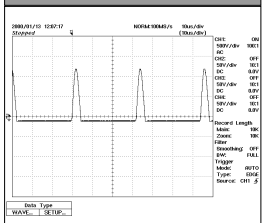
TP35



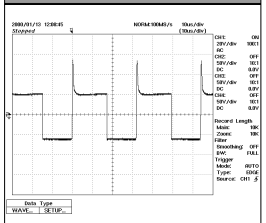
TP36



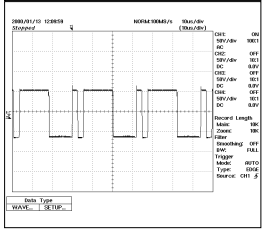
TP37

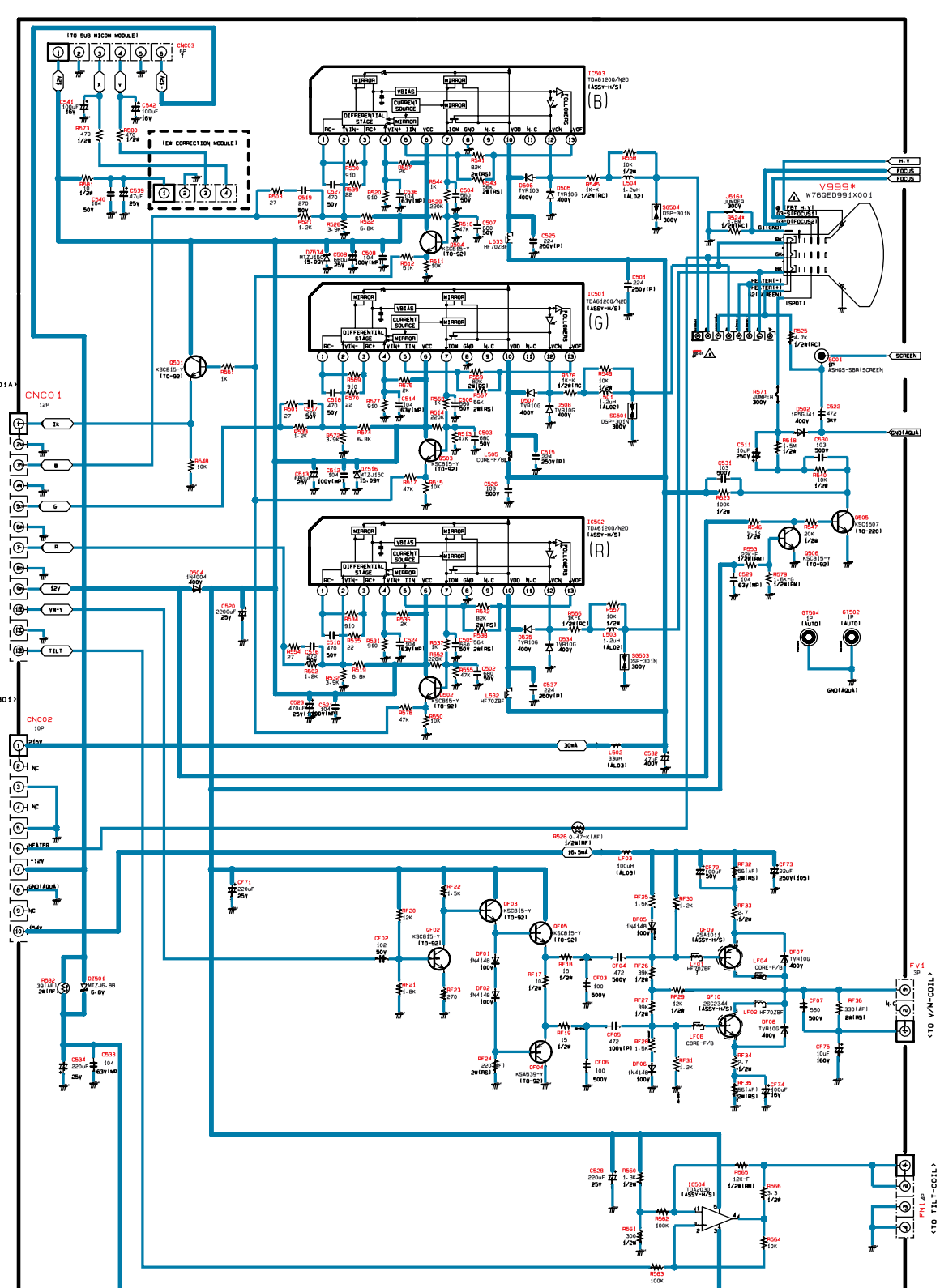


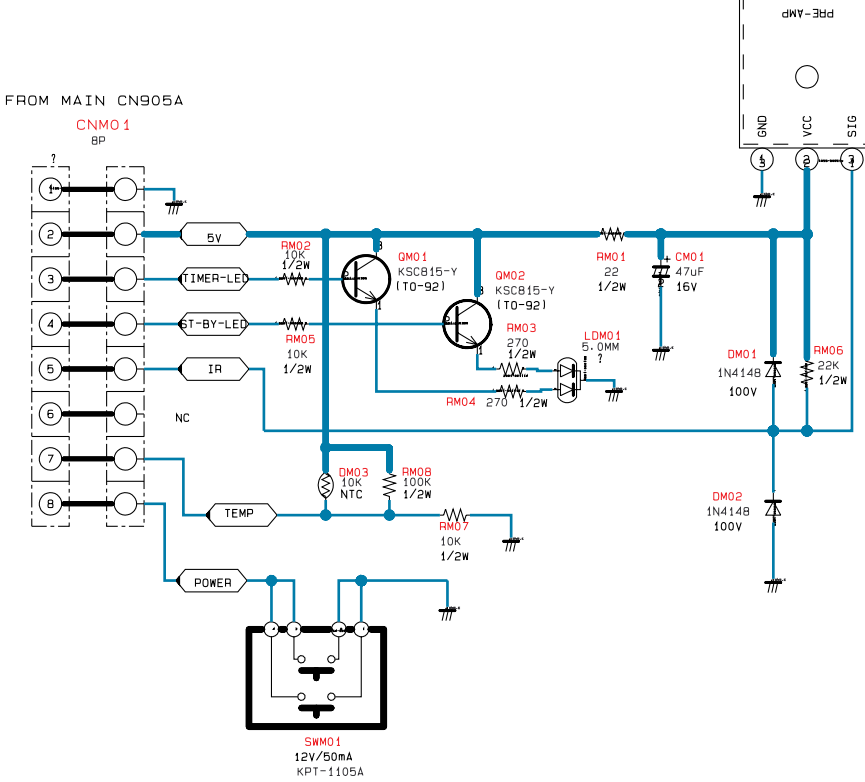
TP38



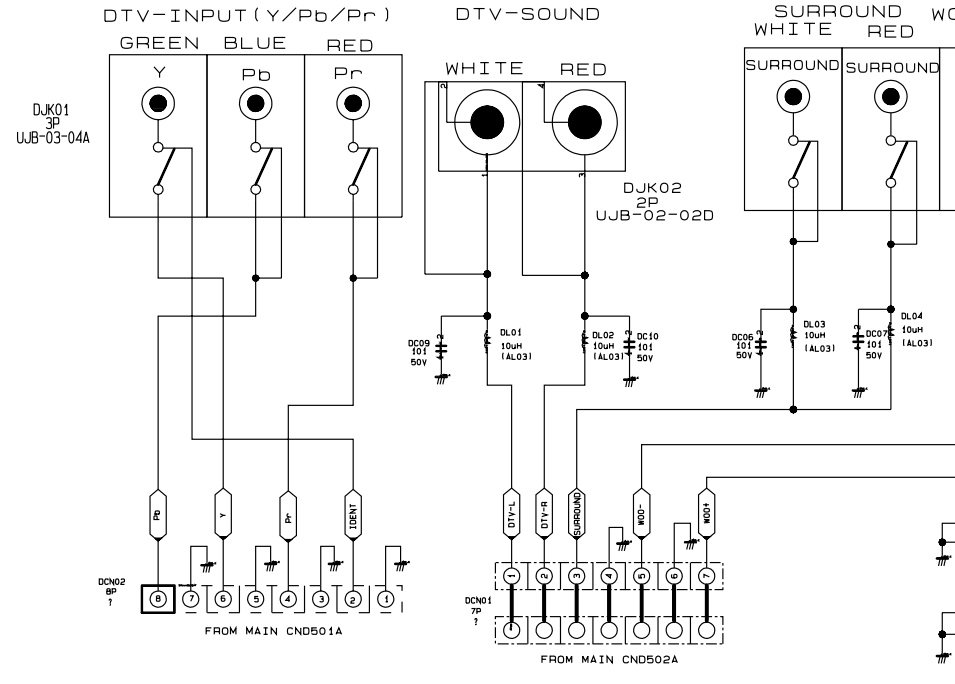
TP39

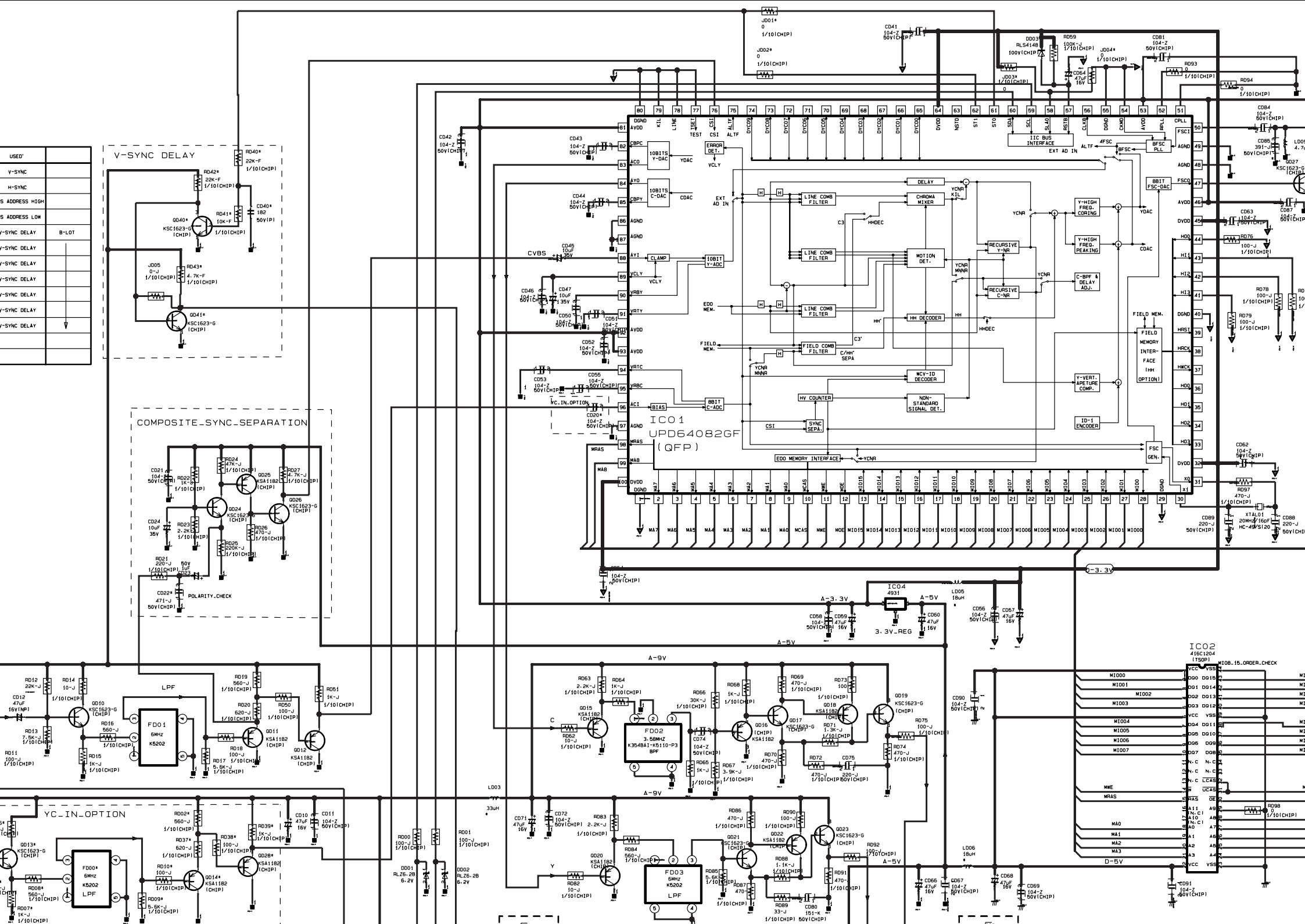


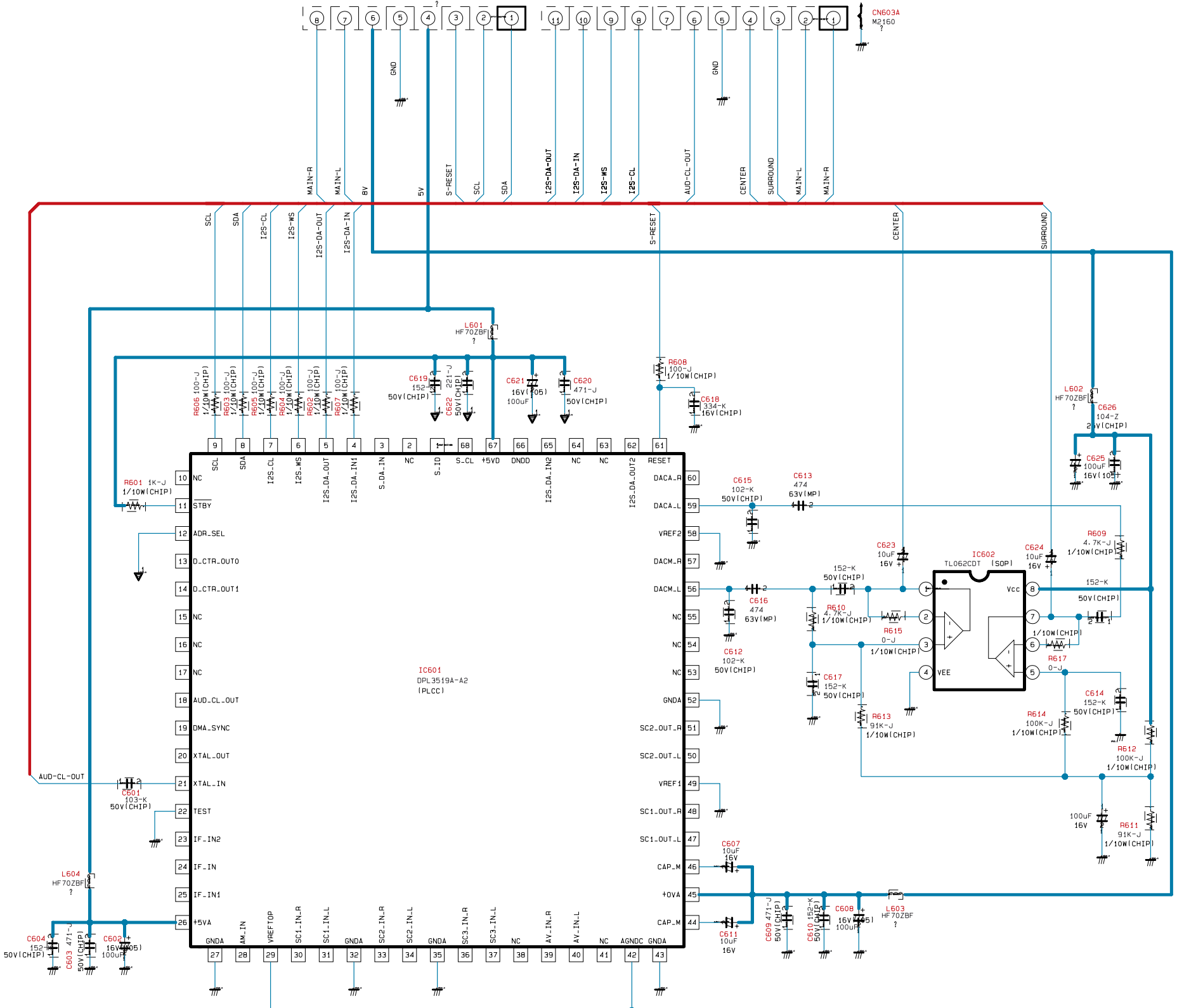

(TO SUB MICOM MODULE)
CNC03
12P
(EW CORRECTION MODULE)
(B)
(G)
(R)
TC503
TC501
TC502
TDA6120Q/N2D
(ASSY-M/S1)
V999*
W76QED991X001
CNC01
12P
CNC02
10P
SCREEN
GND(AQUA)
12V
VM-V
TILT
HEATER
-12V
FV1
FN1
(TO V/M-COIL)
(TO TILT-COIL)


FROM MAIN CN905A
CNM01
8P
5V
TIMER-LED
ST-BY-LED
IR
NC
TEMP
POWER
QM01
KSC815-Y
(TO-92)
QM02
KSC815-Y
(TO-92)
LDM01
5.0MM
SWM01
12V/50mA
KPT-1105A
PRE-AMP
GND
VCC
SIG

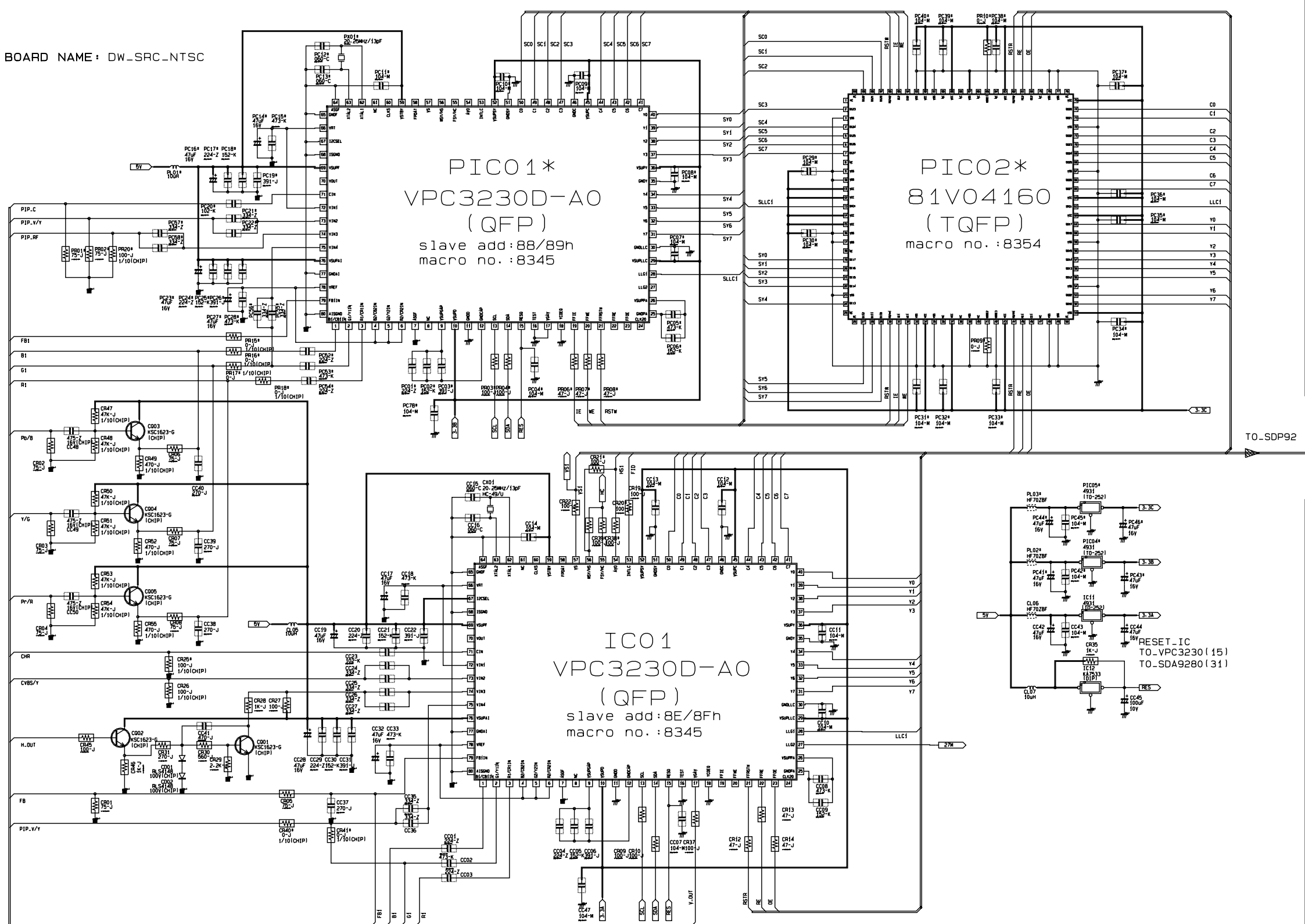
DTV JACK

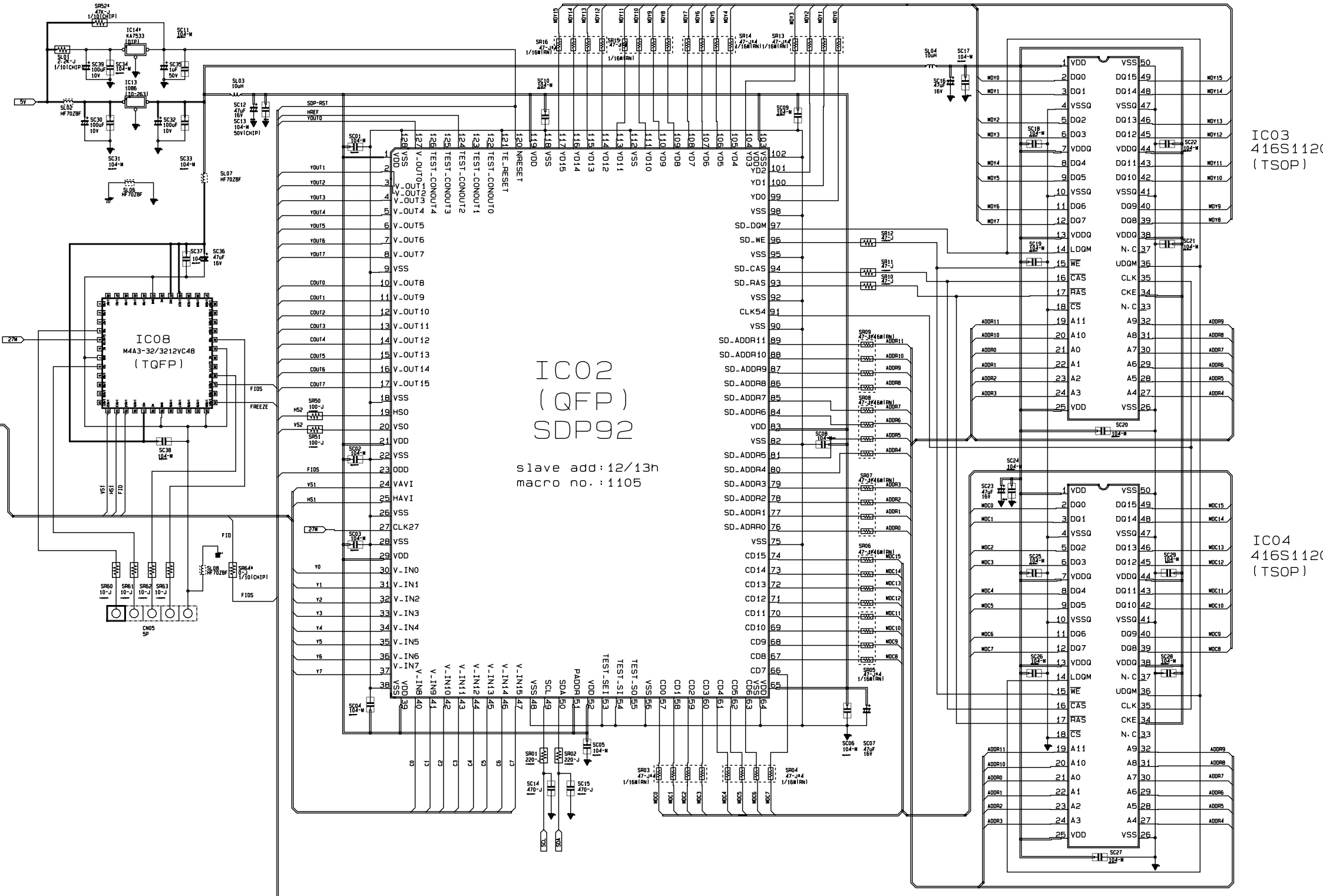

DTV-INPUT(Y/Pb/Pr)
GREEN BLUE RED
Y
Pb
Pr
DJK01
3P
UJB-03-04A
DTV-SOUND
WHITE RED
DJK02
2P
UJB-02-02D
SURROUND
WHITE RED
SURROUND
SURROUND
FROM MAIN CN0501A
FROM MAIN CN0502A

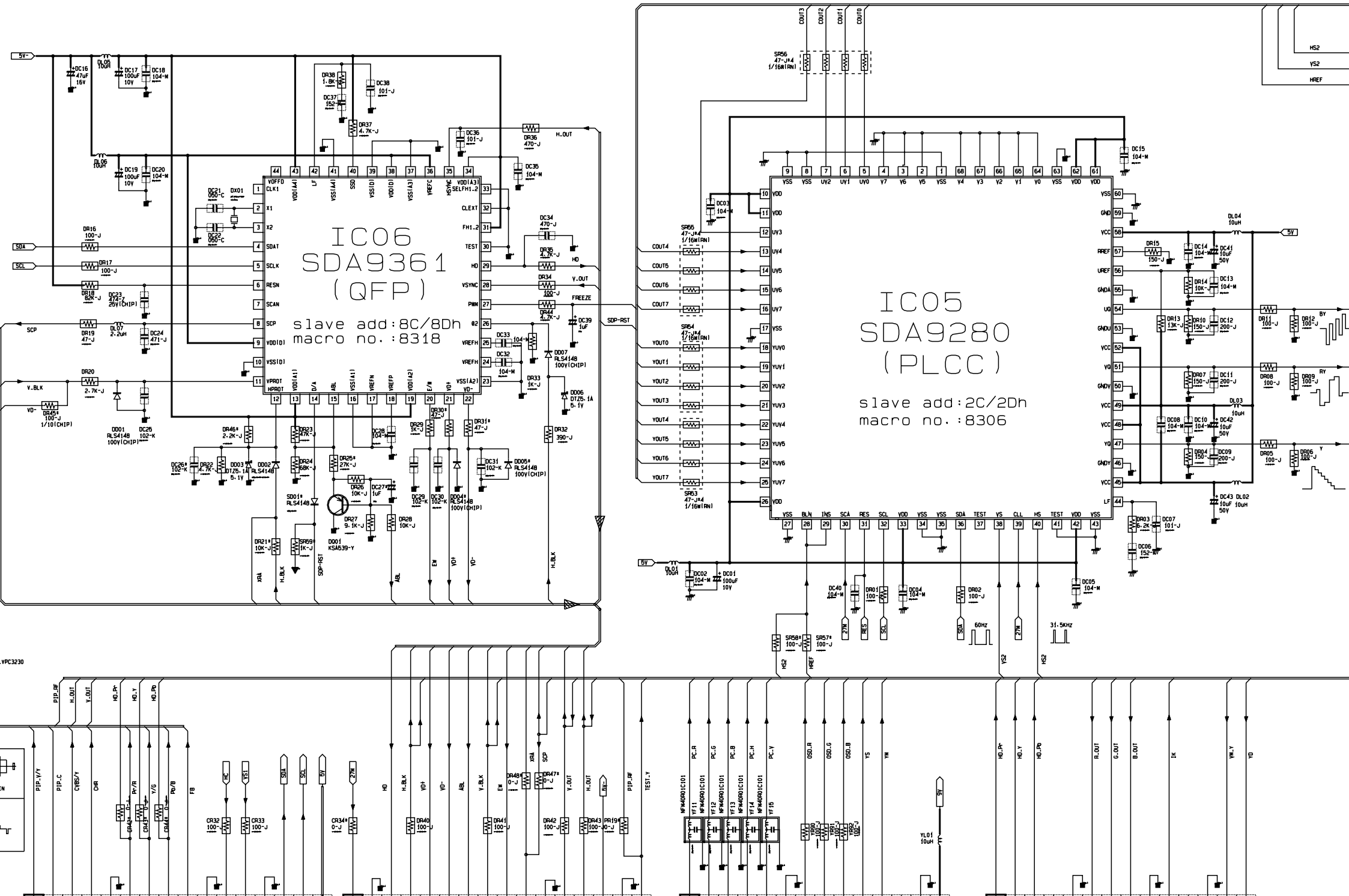

V-SYNC DELAY
COMPOSITE_SYNC_SEPARATION
YC_IN_OPTION
ICO1
UPD64082GF
(QFP)
ICO2
416C1204
(TSOP)
ICO4
4931
3.3V_REG
LPF
FD01
6MHz
K5202
FD02
3.58MHZ
K3548AI-K5110-P3
BPF
FD03
6MHz
K5202
LPF
FD00*
6MHz
K5202
LPF
CVBS
EXT AD IN
IIC BUS INTERFACE
EXT AD IN
FIELD MEMORY INTERFACE
FIELD MEMORY INTER-FACE (HH OPTION)
POLARITY_CHECK
MIOB_15_ORDER_CHECK
A-3.3V
A-5V
A-9V
D-3.3V
D-5V

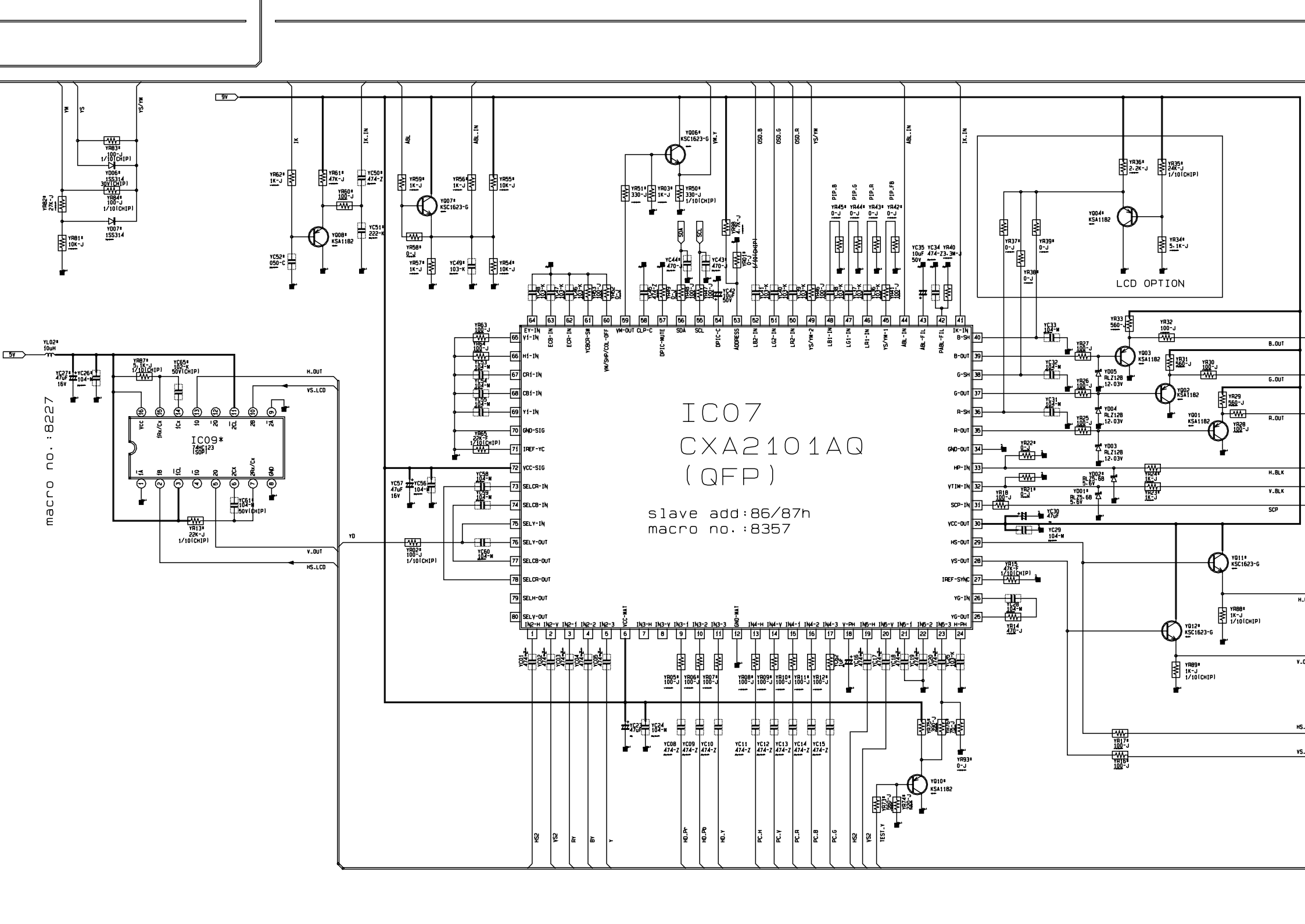

CN603A
M2160
GND
MAIN-R
MAIN-L
8V
5V
S-RESET
SCL
SDA
I2S-DA-OUT
I2S-DA-IN
I2S-WS
I2S-CL
AUD-CL-OUT
CENTER
SURROUND
L601
HF70ZBF
L602
HF70ZBF
L603
HF70ZBF
L604
HF70ZBF
IC601
DPL3519A-A2
(PLCC)
IC602
TL062CDT (SOP)
Vcc
VEE
AUD-CL-OUT
C601 103-K 50V(CHIP)
C602 16V 100uF
C603 471-J 50V(CHIP)
C604 152-K 50V(CHIP)
C607 10uF 16V
C608 16V 100uF
C609 471-J 50V(CHIP)
C610 152-K 50V(CHIP)
C611 10uF 16V
C612 102-K 50V(CHIP)
C613 474 63V(MP)
C614 152-K 50V(CHIP)
C615 102-K 50V(CHIP)
C616 474 63V(MP)
C617 152-K 50V(CHIP)
C618 334-K 16V(CHIP)
C619 152-K 50V(CHIP)
C620 471-J 50V(CHIP)
C621 16V 100uF
C622 221-J 50V(CHIP)
C623 10uF 16V
C624 10uF 16V
C625 100uF 16V
C626 104-Z 25V(CHIP)
R601 1K-J 1/10W(CHIP)
R602 100-J 1/10W(CHIP)
R603 100-J 1/10W(CHIP)
R604 100-J 1/10W(CHIP)
R605 100-J 1/10W(CHIP)
R606 100-J 1/10W(CHIP)
R607 100-J 1/10W(CHIP)
R608 100-J 1/10W(CHIP)
R609 4.7K-J 1/10W(CHIP)
R610 4.7K-J 1/10W(CHIP)
R611 91K-J 1/10W(CHIP)
R612 100K-J 1/10W(CHIP)
R613 91K-J 1/10W(CHIP)
R614 100K-J 1/10W(CHIP)
R615 0-J 1/10W(CHIP)
R617 0-J 1/10W(CHIP)
152-K 50V(CHIP)

BOARD NAME: DW_SRC_NTSC

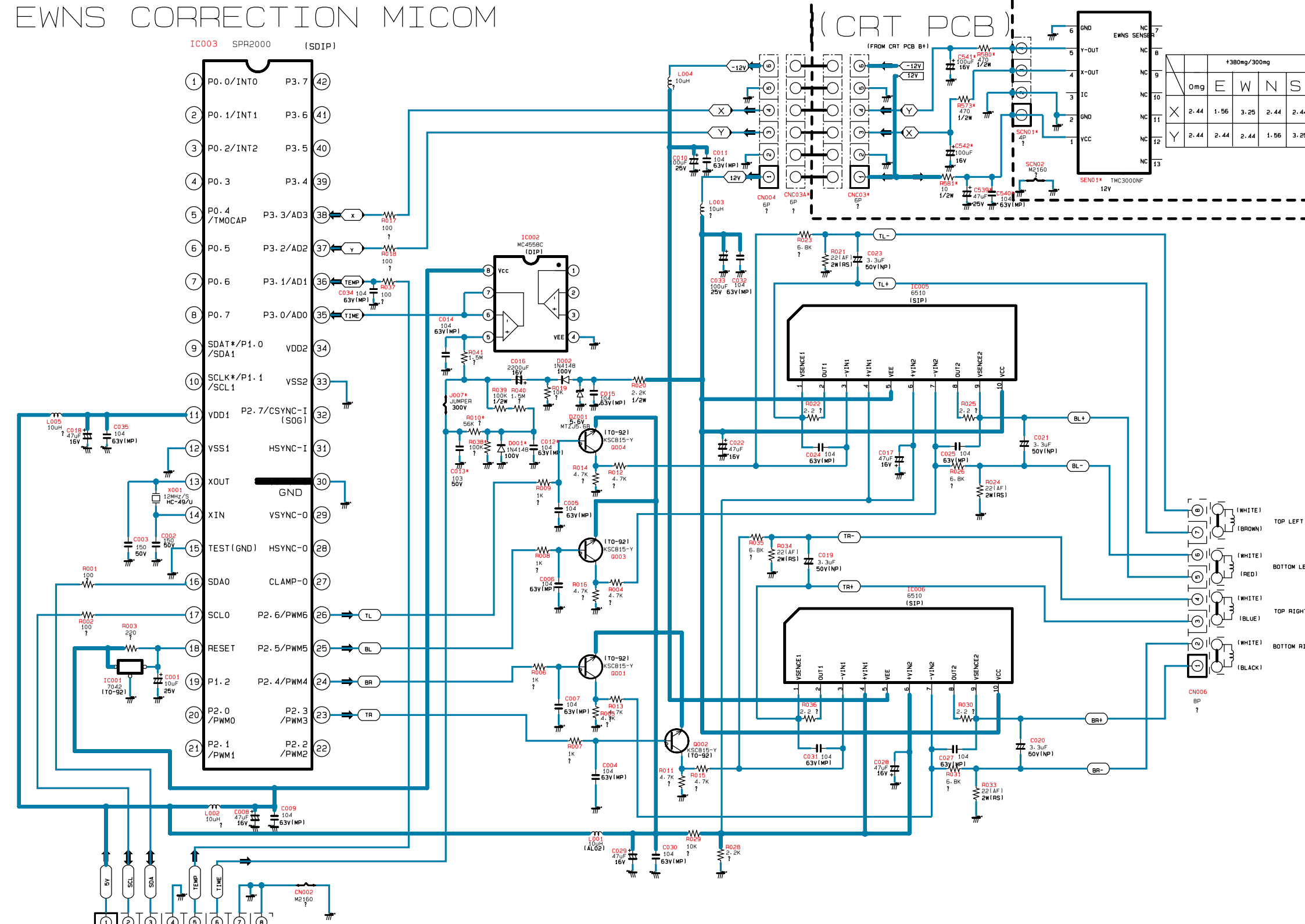


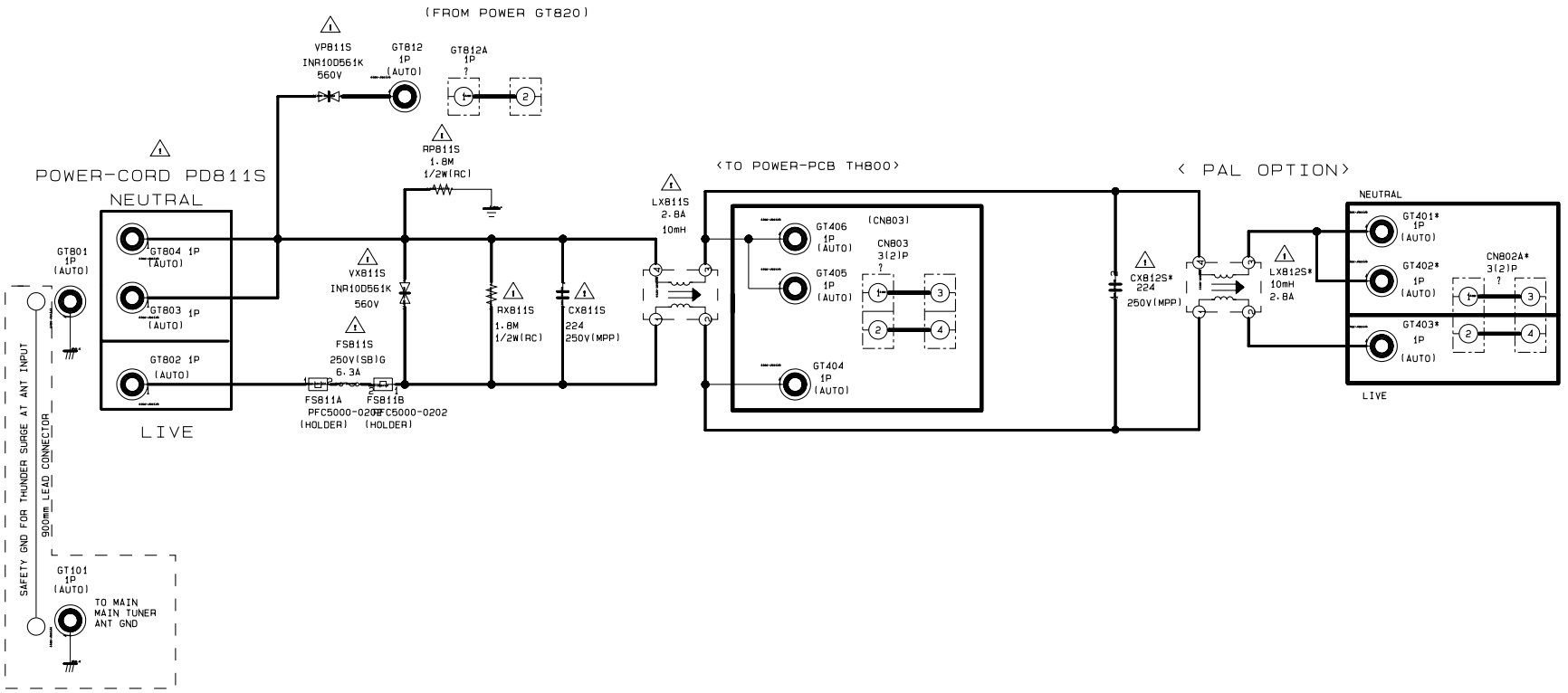

IC02
(QFP)
SDP92
slave add:12/13h
macro no.:1105
IC08
M4A3-32/3212VC48
(TQFP)
IC03
416S1120
(TSOP)
IC04
416S1120
(TSOP)

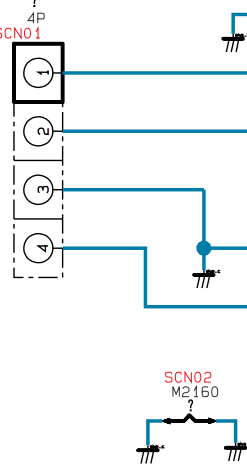

IC06
SDA9361
(QFP)
slave add:8C/8Dh
macro no.:8318
IC05
SDA9280
(PLCC)
slave add:2C/2Dh
macro no.:8306
5V
SDA
SCL
SCP
V_BLK
VD-
SDP-RST
H_OUT
V_OUT
FREEZE
HD
H.BLK
VD+
ABL
EM
XRA
SCP
Y_OUT
PIP_HF
TEST_Y
PIP_V/Y
PIP_C
CVBS/Y
CHR
Pr/R
Y/G
Pb/B
FB
HC
VS1
HD_Pr
HD_Y
HD_Pb
R_OUT
G_OUT
B_OUT
1K
YM_Y
YD
60Hz
31.5KHz


IC07
CXA2101AQ
(QFP)
slave add:86/87h
macro no.:8357
IC09*
macro no.:8227
LCD OPTION
9V
5V
H_OUT
VS_LCD
V_OUT
HS_LCD
YD
B_OUT
G_OUT
R_OUT
H_BLK
V_BLK
SCP
HS
VS
HS2
VS2
RY
BY
Y
HD_Pr
HD_Pb
HD_Y
PC_H
PC_V
PC_R
PC_B
PC_G
TEST_Y
SDA
SCL

EWNS CORRECTION MICOM



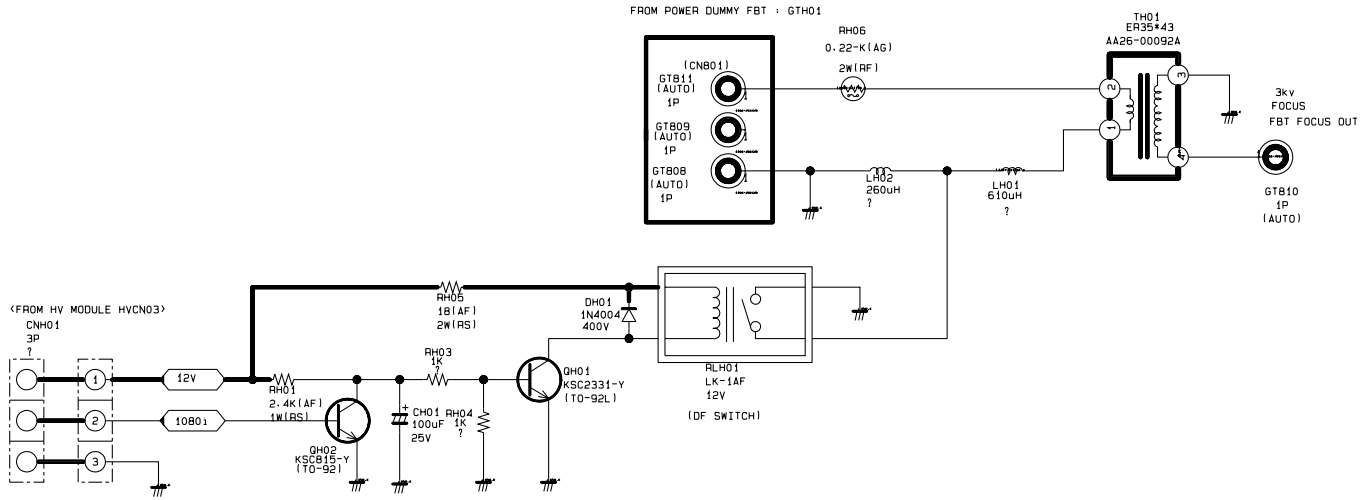


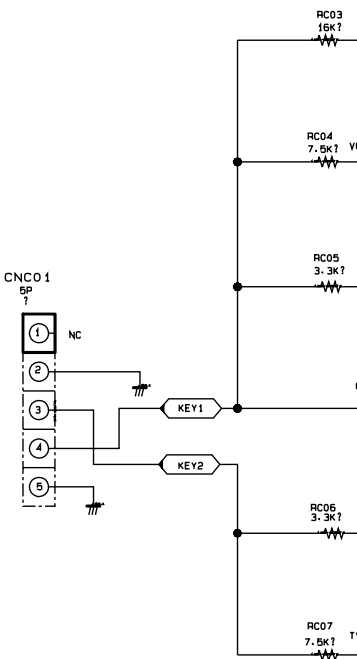


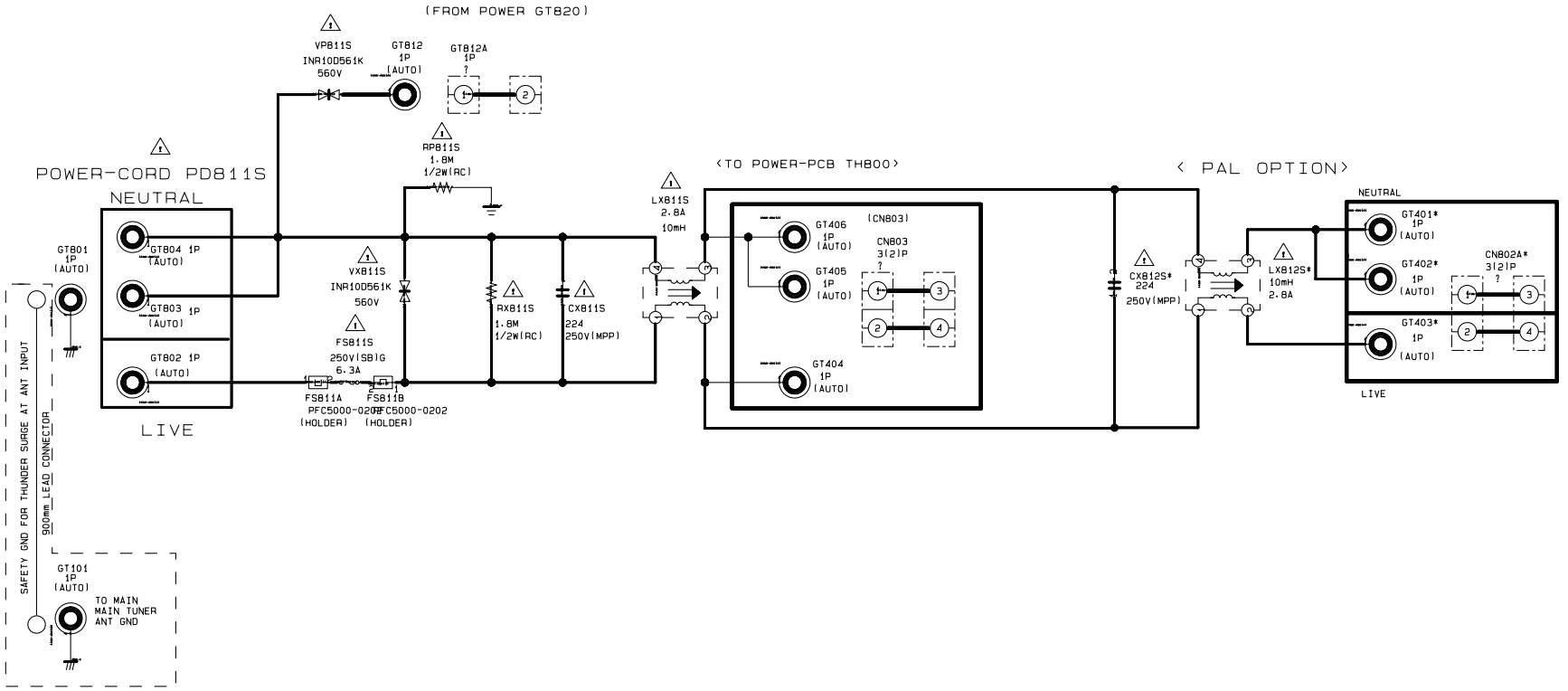
	Omg	
X	2.44	1
Y	2.44	2

CONTROL

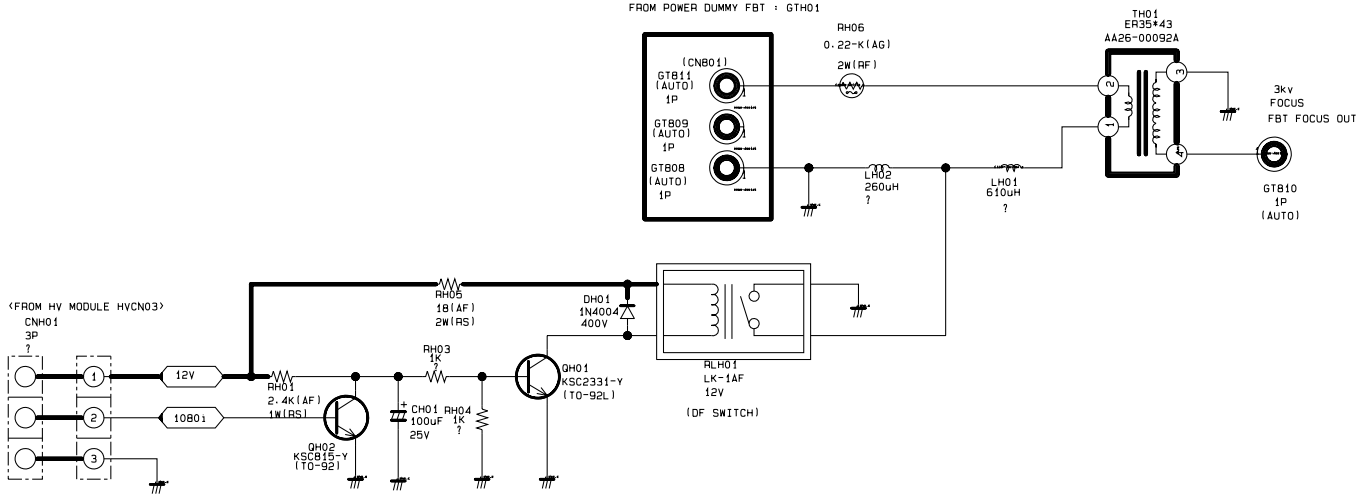
DYNAMIC FOCUS







DYNAMIC FOCUS



SCHEMATIC DIAGRAM

CHASSIS : K54A

MODEL : WT-32Z5HD

BOARD NAME : SUB-POWER DC-DC CONVERTER