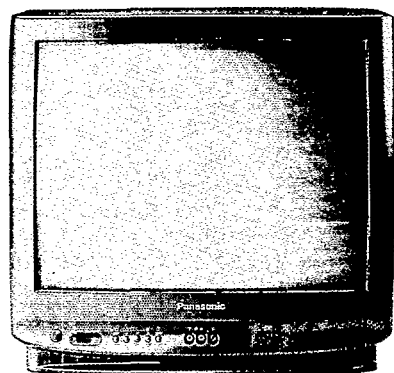


# Service Manual



Colour Television

TX-21S1T/B/BH/BN

TC-21S1R/B/BH/BN

Z5 - Chassis

## Specifications

<b>Power Source :</b>	220V - 240V AC, 50Hz	<b>High Voltage :</b>	27.5kV+0.7 / -1.0kV (zero beam current)
<b>Power Consumption :</b>	58W	<b>Picture Tube :</b>	A51KSV43X13 - (B models) A51EAL55X13 - (BN models) A51EFS43X191 - (BH models) 51cm V 90° measured diagonally
<b>Aerial Impedance :</b>	75Ω unbalanced, Coaxial Type	<b>Audio Output :</b>	
<b>Receiving System :</b>	PAL-1 (UHF) PAL-60	Internal Speaker	5W
<b>Receiving Channels :</b>	UHF E21 - E69	Speaker	8Ω Impedance
<b>Intermediate Frequency :</b>	Video 39.5 MHz Sound 33.5 MHz Colour 35.07 MHz (PAL)	<b>Accessories supplied :</b>	Remote Control R6 (UM3) Battery
<b>Video / Audio Terminals :</b>		<b>Dimensions :</b>	Height : 477mm Width : 518mm Depth : 478mm
AV1 IN	Video (21 pin) 1 Vp-p 75Ω Audio (21 pin) 500mV rms 10kΩ RGB (21 pin)	<b>Net Weight</b>	21kg
AV1 OUT	Video (21 pin) 1Vp-p 75Ω Audio (21 pin) 500mV rms 1kΩ	Specifications are subject to change without notice. Weight and dimensions shown are approximate.	
RCA IN	Video 1Vp-p 75Ω Audio 500 mV rms 1kΩ		

## NOTE

Replacement C.R.T's are NOT interchangeable  
Replacement C.R.T must be the same part No. as originally fitted.  
For part No. please refer to replacement parts list.

## IMPORTANT

This receiver uses a HOT chassis, after service please ensure that the chassis is returned to its correct position.  
Particular care being taken to the position of the customer controls.  
Failure to do so could endanger customer safety.

**Panasonic**

**Panasonic (U.K.) Ltd.**  
WILLOUGHBY ROAD,  
BRACKNELL, BERKS,  
RG12 4FP.

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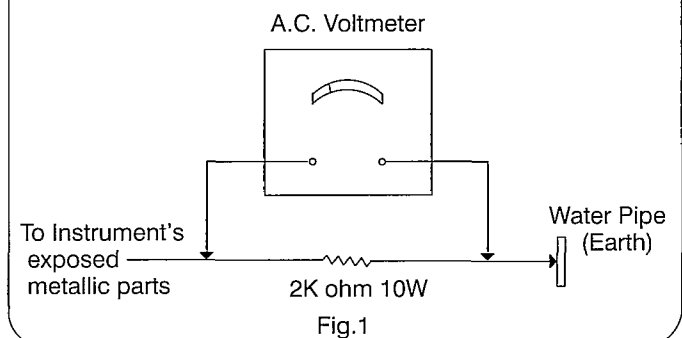
## Safety Precautions

### General Guide Lines

1. It is advisable to insert an isolation transformer in the AC supply before servicing a hot chassis.
2. When servicing, observe the original lead dress in the high voltage circuits. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
3. After servicing, see that all the protective devices such as insulation barriers, insulation papers, shields and isolation R-C combinations are correctly installed.
4. When the receiver is not being used for a long period of time, unplug the power cord from the AC outlet.
5. Potentials as high as 27.5Kv are present when this receiver is in operation. Operation of the receiver without the rear cover involves the danger of a shock hazard from the receiver power supply. Servicing should not be attempted by anyone who is not familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the picture to the chassis before handling the tube.
6. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

4. Check each exposed Metallic part and check the voltage at each point.
5. Reverse the AC plug at the outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 1.4 Vrms. In case a measurement is outside the limits specified, there is a possibility of a shock hazard, and the receiver should be repaired and rechecked before it is returned to the customer.

### HOT CHECK CIRCUIT



### Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs of the plug.
2. Turn on the receiver's power switch.
3. Measure the resistance value with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the receiver, such as screw heads, aerials, connectors, control shafts etc. When the exposed metallic part has a return path to the chassis the reading should be between 4M  $\Omega$  and 20M  $\Omega$ . When the exposed metal does not have a return path to the chassis the reading must be infinite.

### Leakage Current Hot Check

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 2k ohm 10W resistor in series with an exposed metallic part on the receiver and an earth such as a water pipe.
3. Use an AC voltmeter with high impedance to measure the potential across the resistor.

### X-Radiation Warning

1. The potential sources of X-Radiation in TV sets are the high voltage section and the picture tube.
2. When using a picture tube test jig for service ensure that the jig is capable of handling 29.0 kV and without causing X-Radiation.

**NOTE :** It is important to use an accurate periodically calibrated high voltage meter

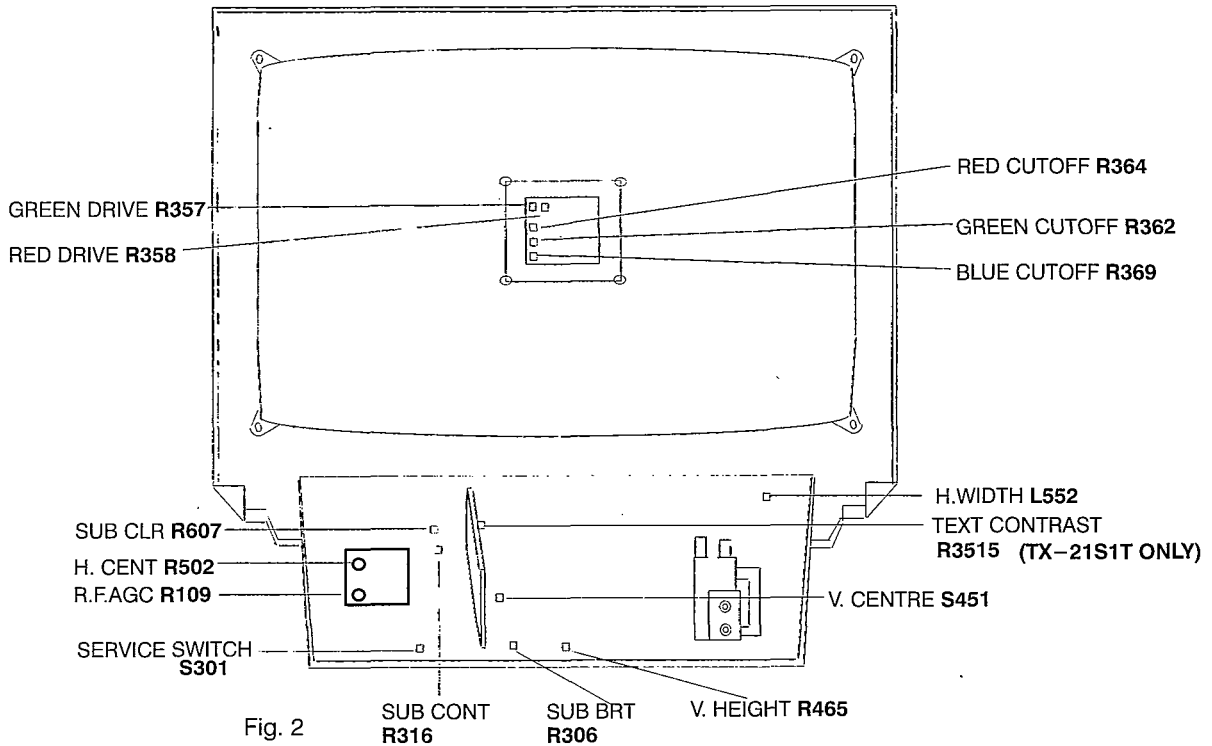
1. Set the brightness to minimum.
2. Measure the high voltage. The meter should indicate: - 27.5Kv +0.7kV / -1.0kV if the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.
3. To prevent an X-Radiation possibility, it is essential to use the specified tube.

## SHUT DOWN CIRCUIT TEST

This test must be made as a final check before the set is returned to the customer.

1. Receive the Phillips pattern.
2. Check that the shut-down circuit functions when  $-60V$  is applied to TPE7, but does not function when  $-40V$  is applied.

## Location Of Controls

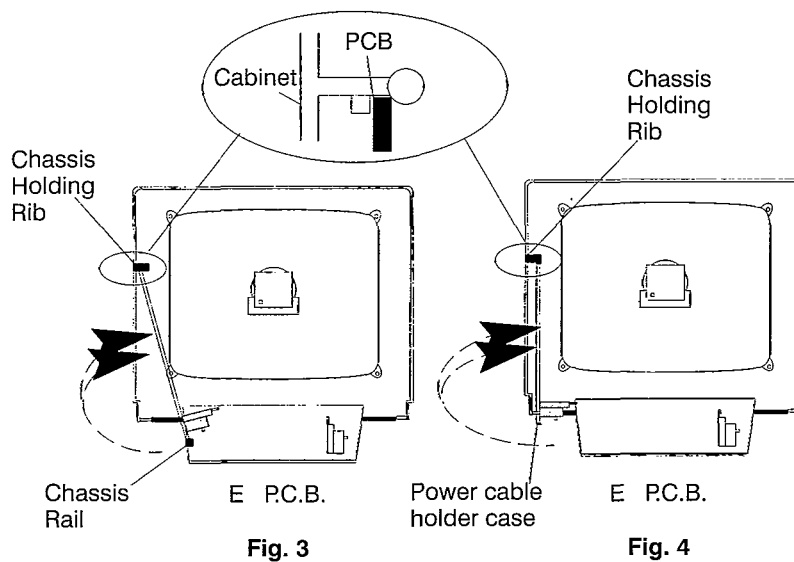


## How to move the chassis into the Service position

1. Hold and lift the rear of the E- PCB chassis and gently pull the chassis toward you.
2. Release the respective wiring clips and rotate the chassis clockwise.
  - a) Place the lower edge of the chassis against the 'L' shaped stopper located in the chassis rail whilst sliding the upper edge of the board into the chassis holding rib.

**OR**

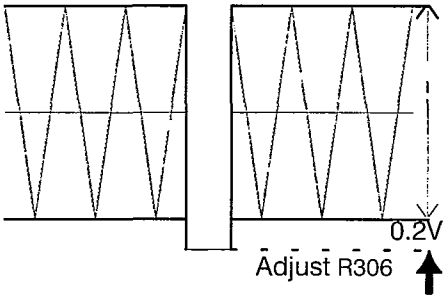
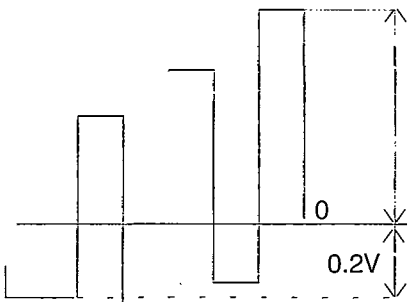
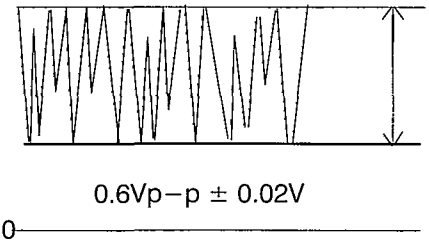
  - b) Slide the lower edge of the chassis into the power cable holder case whilst sliding the upper edge of the board into the chassis holding rib.
3. After servicing ensure all wiring is returned to its original position before returning the receiver to the customer.



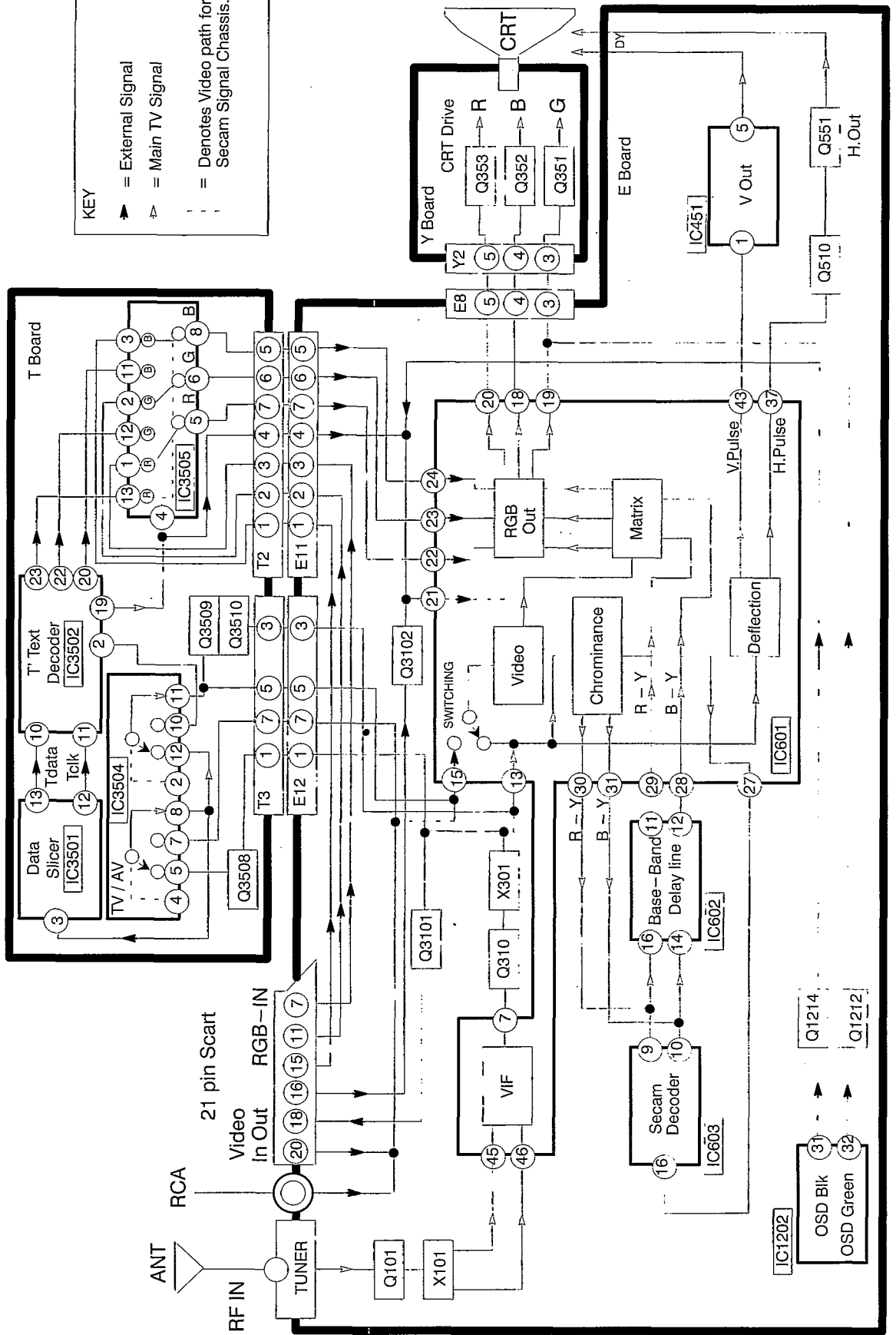
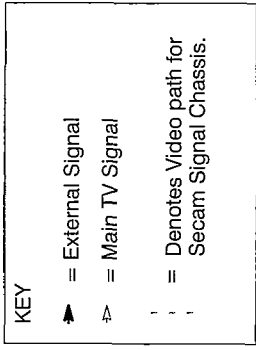
## ADJUSTMENTS

ITEM/PREPARATION	ADJUSTMENT PROCEDURE
<p><b>B VOLTAGE</b></p> <p>1. Operate the TV set.</p> <p>2. Set controls :</p> <p>Bright (R318) ..... minimum</p> <p>Sub Bright R306 ..... minimum</p> <p>Contrast ..... minimum</p> <p>Beam Current ..... Zero</p>	<p>1. Confirm the indicated test points for the specified voltage.</p> <p>TPE 10: 185V <math>\pm</math> 10V      TPE 13: 124.5V <math>\pm</math> 1.5V</p> <p>TPE 11: 31V <math>\pm</math> 2V      TPE 1: 11V <math>\pm</math> 1V</p> <p>TPE 6: 28.0V <math>\pm</math> 1.5V      TPE 9: 23.0V <math>\pm</math> 1.0V</p> <p>TPE 4: 15.5V <math>\pm</math> 1.0V      TPE 5: 12.0V <math>\pm</math> 1.0V</p> <p>TPE 3: 8.0V <math>\pm</math> 1.0V      TPE 2: 5.0V <math>\pm</math> 0.3V</p> <p>TPE 14: 30V <math>\pm</math> 2.5V</p>
<p><b>AFC</b></p> <p>1. Operate the TV set.</p> <p>2. Connect a DVM to <b>TPE58</b>.</p>	<p>1. Apply 39.5 Mhz continuous wave to <b>TPE54</b> (IF pin of Tuner) (0.5Vp-p/75<math>\Omega</math>)</p> <p>2. Adjust <b>L104</b> so that voltage at <b>TPE58</b> becomes 2.5<math>\pm</math>0.1V.</p> <p>3. Change the frequency and confirm the voltage as shown below.</p> <p>+ 100kHz:      Less than 1.0V</p> <p>- 100kHz:      more than 4.0V</p>
<p><b>RF AGC</b></p> <p>1. Receive the Philips pattern.</p> <p>2. Set the input level to 65 <math>\pm</math> 2 dB (75<math>\Omega</math> open).</p> <p>3. Connect an oscilloscope to <b>TPE59</b> (RF AGC terminal).</p>	<p>1. Turn RF AGC control <b>R109</b> fully counterclockwise.</p> <p>2. Slowly turn RF AGC control clockwise to set it at the point just before voltage at <b>TPE59</b> starts to fall.</p>
<p><b>HIGH VOLTAGE</b></p> <p>1. Receive a crosshatch pattern.</p> <p>2. Set Contrast, Bright and Sub-Bright controls to their minimum positions (Zero beam current).</p>	<p>1. Connect a high voltage meter (Electrostatic type) to an anode of the picture tube.</p> <p>2. Confirm that the high voltage is within a range of 27.5Kv +0.7kV / -1.0kV</p>

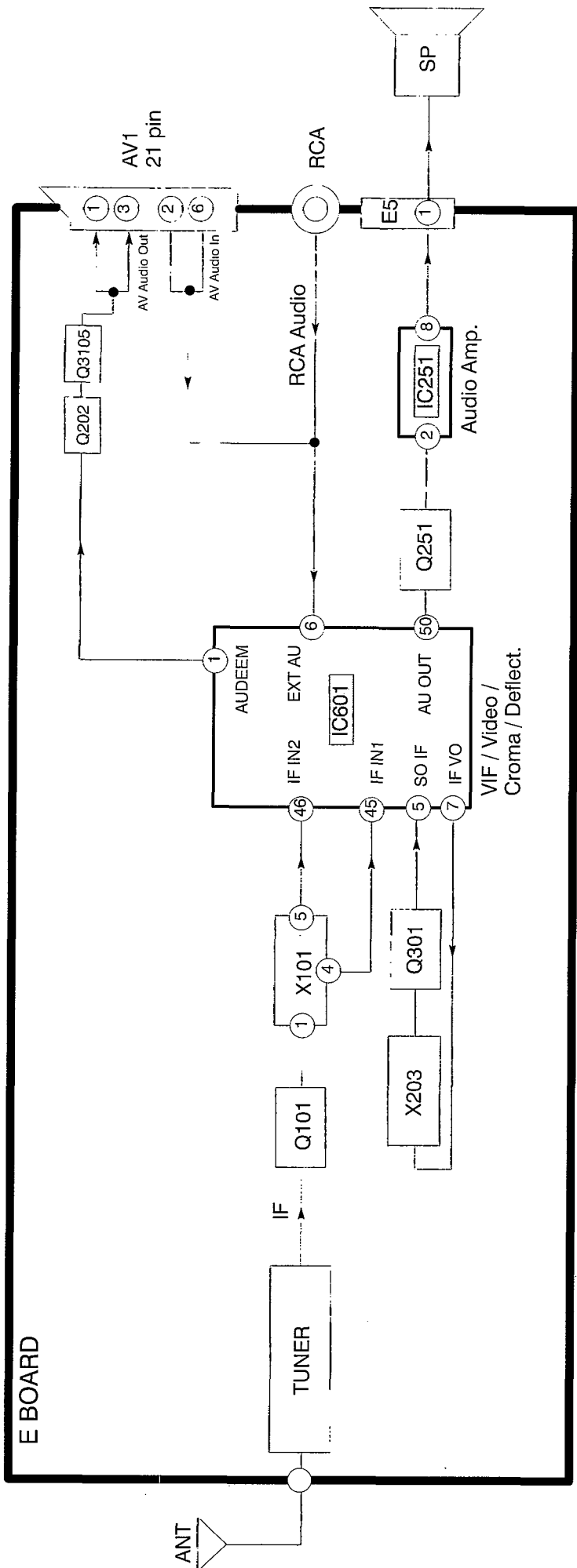
# ADJUSTMENTS

<p><b>SUB CONTRAST</b></p> <ol style="list-style-type: none"> <li>1. Receive a Philips pattern. (Input level 75dB).</li> <li>2. Connect an oscilloscope to <b>TPE15</b>.</li> <li>3. Set controls to :           <table border="0" style="margin-left: 20px;"> <tr> <td>Brightness</td> <td>minimum</td> </tr> <tr> <td>Contrast</td> <td>maximum</td> </tr> <tr> <td>Colour</td> <td>minimum</td> </tr> <tr> <td>Pix</td> <td>minimum</td> </tr> <tr> <td>CATS eye</td> <td>OFF</td> </tr> </table> </li> </ol>	Brightness	minimum	Contrast	maximum	Colour	minimum	Pix	minimum	CATS eye	OFF	<ol style="list-style-type: none"> <li>1. Adjust Sub brightness <b>R306</b> to set the black level to 0.2V.</li> <li>2. Adjust the Sub contrast (<b>R316</b>) to set the drive voltage to 2.3V +/- 0.1V-p</li> </ol>	<p style="text-align: center;">Adjust R316 2.3V +/- 0.1V-p</p>  <p style="text-align: center;">Fig.5.</p>
Brightness	minimum											
Contrast	maximum											
Colour	minimum											
Pix	minimum											
CATS eye	OFF											
<p><b>SUB COLOUR</b></p> <ol style="list-style-type: none"> <li>1. Receive a PAL colour bar pattern.</li> <li>2. Set controls to:           <table border="0" style="margin-left: 20px;"> <tr> <td>Brightness</td> <td>minimum</td> </tr> <tr> <td>Contrast</td> <td>maximum</td> </tr> <tr> <td>Colour</td> <td>centre</td> </tr> <tr> <td>PIX</td> <td>minimum</td> </tr> <tr> <td>CATS eye</td> <td>OFF</td> </tr> </table> </li> <li>3. Connect an oscilloscope to <b>TPE15</b>.</li> </ol>	Brightness	minimum	Contrast	maximum	Colour	centre	PIX	minimum	CATS eye	OFF	<ol style="list-style-type: none"> <li>1. Adjust the sub colour (<b>R607</b>) for 1.2Vp-p +/- 0.1V at <b>TPE15</b> as shown in Fig.6.</li> </ol>	<p style="text-align: center;">1.2Vp-p +/- 0.1V</p>  <p style="text-align: center;">Fig.6.</p>
Brightness	minimum											
Contrast	maximum											
Colour	centre											
PIX	minimum											
CATS eye	OFF											
<p><b>TEXT CONTRAST (TX-21S1T ONLY)</b></p> <ol style="list-style-type: none"> <li>1. Receive a teletext signal.</li> <li>2. Connect an oscilloscope <b>T2 pin 5</b>.</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust <b>R3515</b> to obtain the waveform as shown in fig. 7.</li> </ol>	 <p style="text-align: center;">0.6Vp-p ± 0.02V</p> <p style="text-align: center;">Fig. 7.</p>										

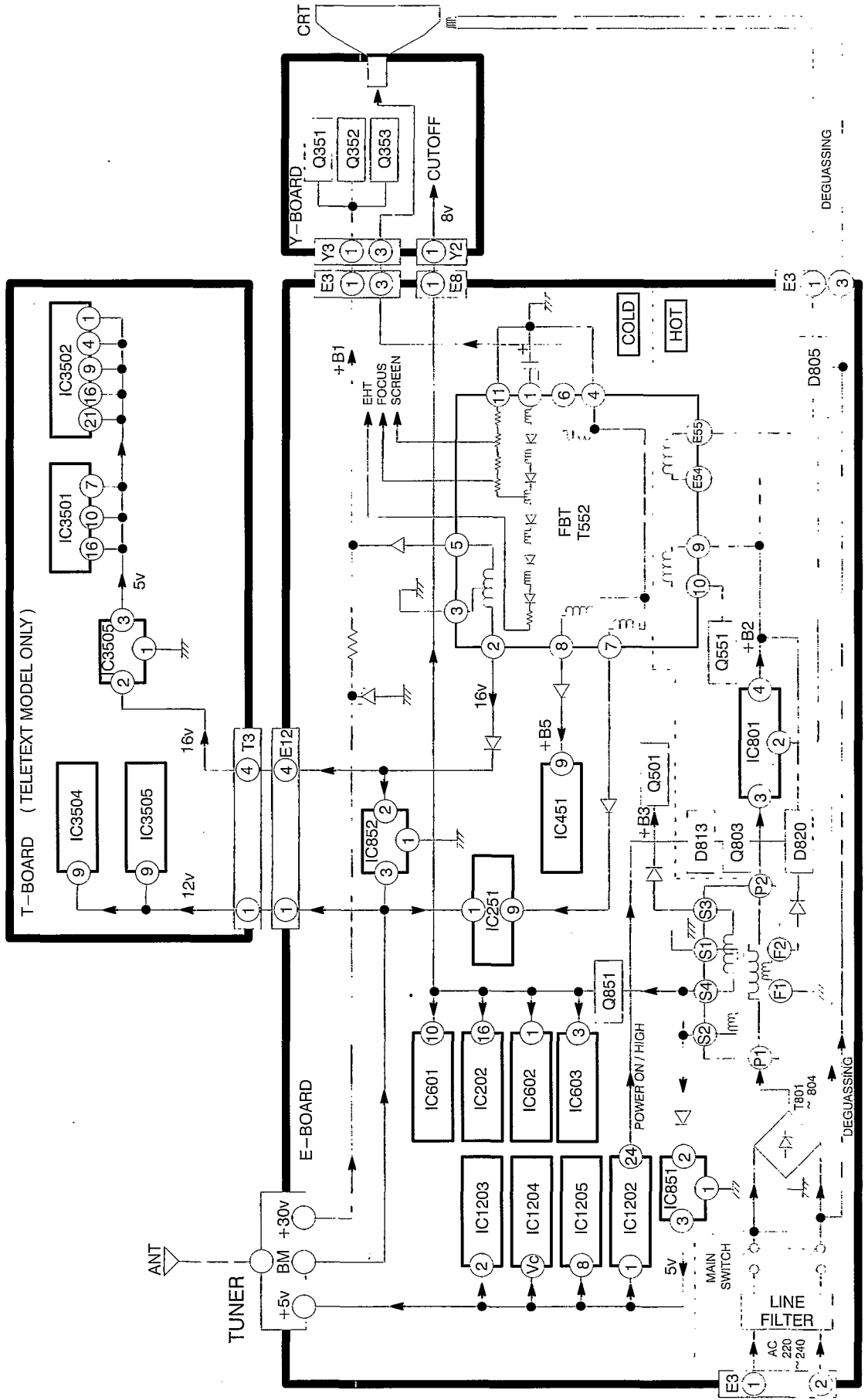
# VIDEO SIGNAL BLOCK DIAGRAM



# AUDIO SIGNAL BLOCK DIAGRAM

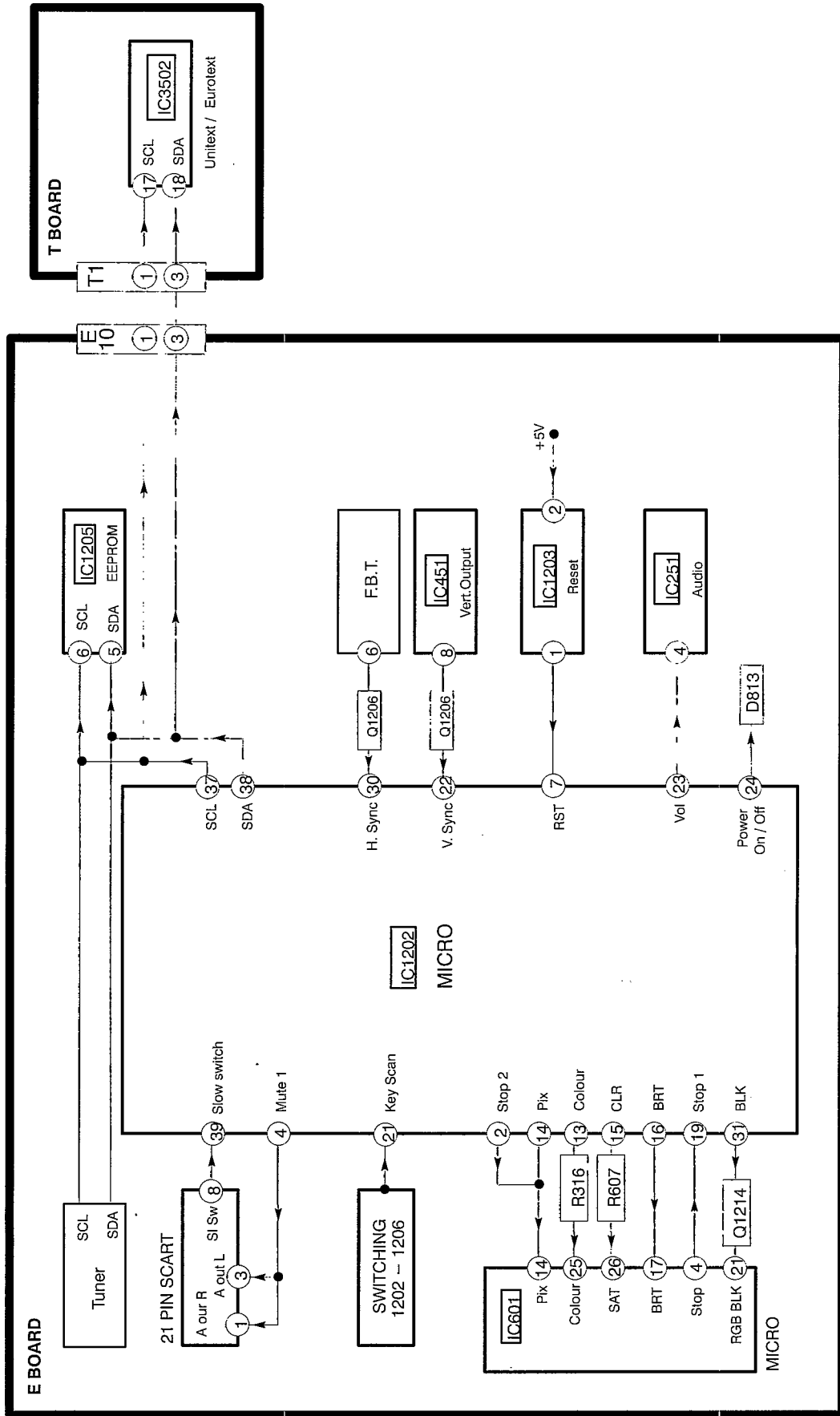


# POWER SUPPLY BLOCK DIAGRAM





# CONTROL SIGNAL BLOCK DIAGRAM

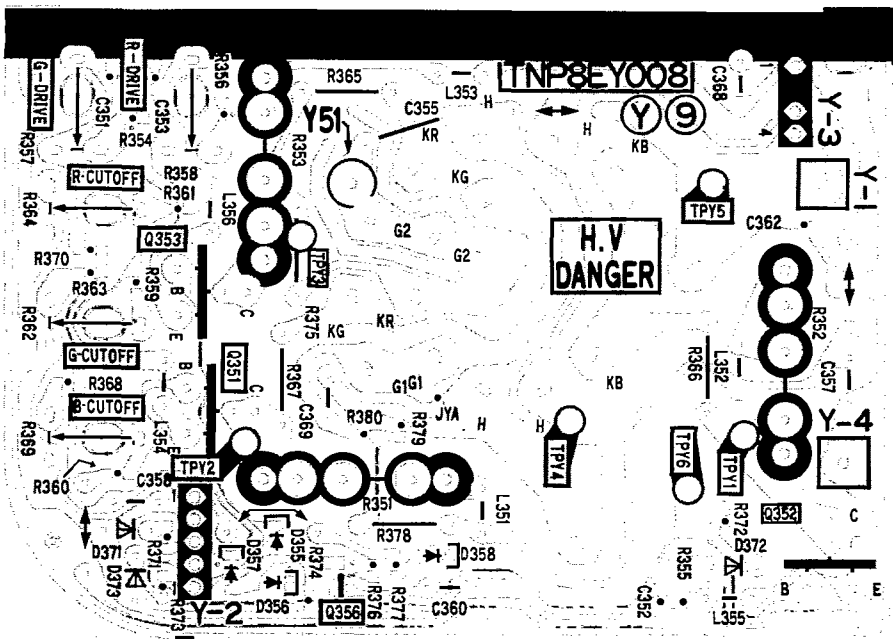


# CONDUCTOR VIEWS

## Y BOARD TNP8EY008

### Y Board.

DIODES	TRANS.	TEST NO.
D373-A1	Q353-A2	TPY5-C2
D371-A1	Q351-B2	TPY2-B1
D357-B1	Q352-D1	TPY3-B2
D355-B1	Q356-B1	TPY4-C2
D358-C1		TPY6-C2
D372-C1		TPY1-C2
D356-B1		



6

5

4

3

2

1

A

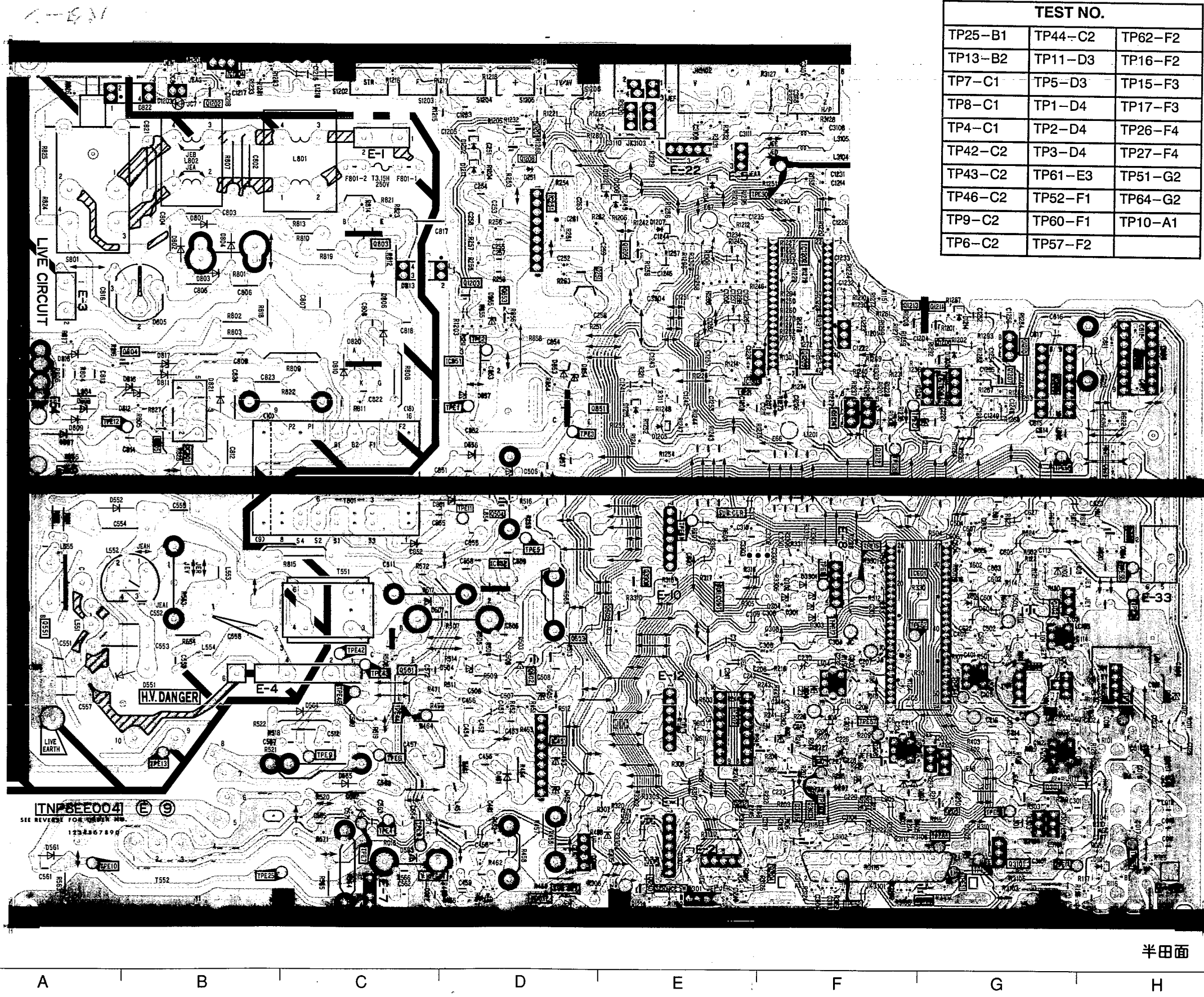
B

C

D

E

# E BOARD TNP8EE004



TEST NO.		
TP25-B1	TP44-C2	TP62-F2
TP13-B2	TP11-D3	TP16-F2
TP7-C1	TP5-D3	TP15-F3
TP8-C1	TP1-D4	TP17-F3
TP4-C1	TP2-D4	TP26-F4
TP42-C2	TP3-D4	TP27-F4
TP43-C2	TP61-E3	TP51-G2
TP46-C2	TP52-F1	TP64-G2
TP9-C2	TP60-F1	TP10-A1
TP6-C2	TP57-F2	

## E Board.

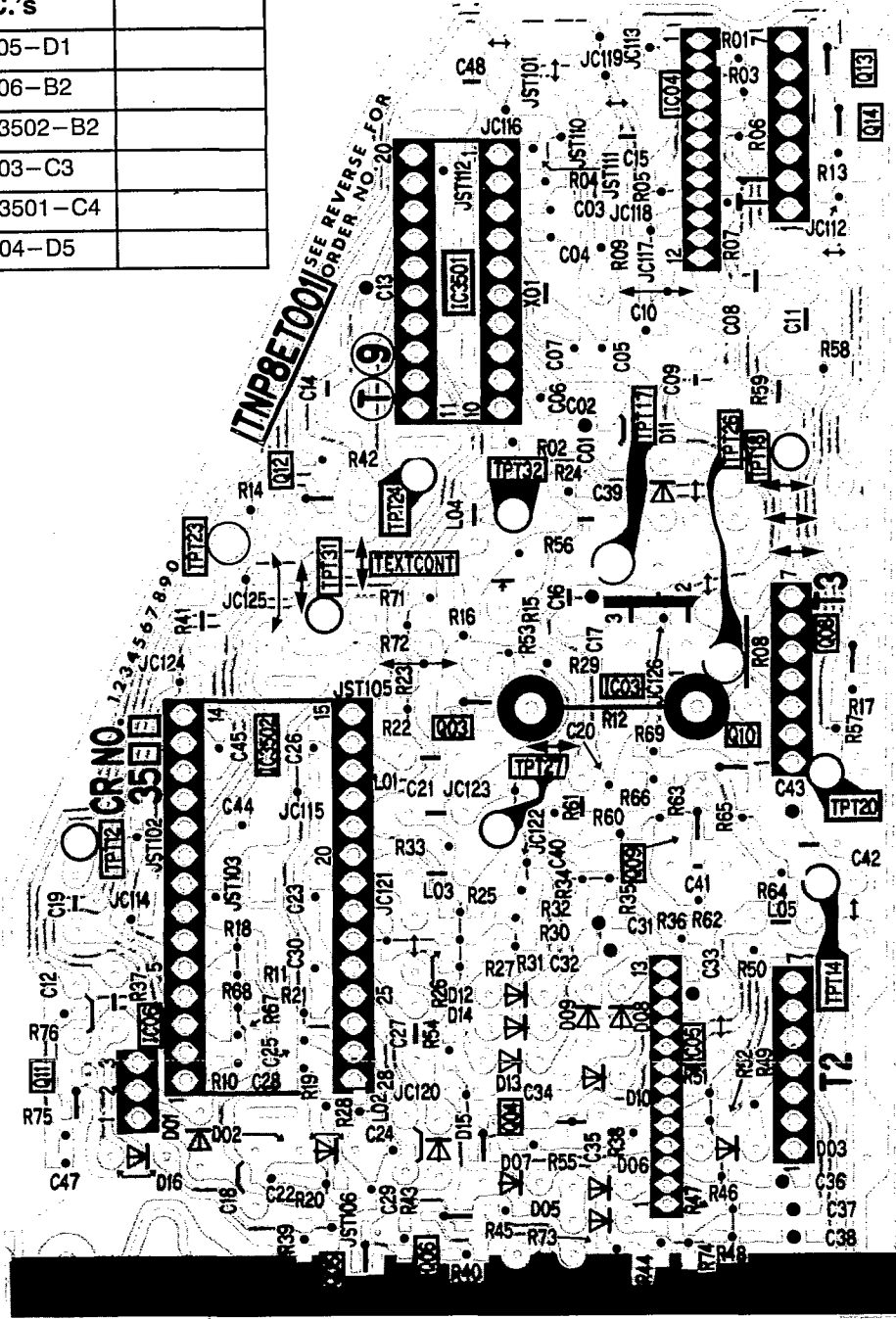
DIODES	D251-D5	TRANS.
D807-A4	D1217-D5	Q3301-E3
D809-A4	D1202-D6	Q602-E3
D808-A4	D3101-E1	Q1205-E5
D816-A4	D1205-E4	Q3104-F1
D805-A5	D1215-E4	Q3105-F1
D551-D2	D1212-E5	Q3103-F1
D817-D4	D1209-E5	Q201-F2
D821-B4	D203-F1	Q206-F2
D811-B4	D303-F2	Q1214-F4
D801-B5	D202-F2	Q1212-F4
D802-B5	D203-F2	Q1209-F4
D803-B5	D201-F2	Q1213-F4
D804-B5	D206-F2	Q203-G1
D805-B5	D301-F3	Q3101-G1
D822-B6	D302-F3	Q3102-G2
D1203-B6	D303-F3	Q301-G1
D563-C1	D3301-F3	Q203-G1
D562-C1	D3102-G1	Q101-G2
D564-C2	D102-G3	Q102-G3
D565-C2	D604-G3	Q1206-G4
D852-C3	D1211-G4	Q1210-G4
D507-C3	D1214-G4	Q1207-G4
D810-C4	D101-H1	Q603-H3
D820-C4	D602-H2	Q551-A3
D813-C5	D561-A1	Q1204-E4
D305-D1	I.C.'s	Q804-A4
D453-D2	IC012-D1	Q805-B4
D451-D2	IC451-D2	Q1202-B6
D505-D2	IC852-D3	Q501-C2
D503-D2	IC851-D4	Q803-C5
D504-D2	IC251-D5	Q502-D2
D856-D4	IC202-E2	Q503-D2
D506-D4	IC601-F3	Q503-D2
D552-A3	IC1202-F4	Q851-D4
D818-A4	IC603-G4	Q1203-D5
D855-D4	IC205-G4	Q853-D5
D853-D4	IC602-H4	Q1208-D5
D854-D4	IC801-B4	Q1201-D6
D1202-D5	IC1204-B6	Q202-E1

半田面

T BOARD TNP8ET001

T Board.

DIODE	TRANS.	TEST NO.
D01-B1	Q05-B1	TP14-D2
D16-B1	Q06-C1	TP12-A3
D02-B1	Q11-A2	TP27-C3
D05-C1	Q04-C2	TP20-D3
D07-C1	Q03-C3	TP23-B4
D06-C1	Q09-C3	TP31-B4
D15-C1	Q08-D3	TPP24-C4
D03-D1	Q10-D3	TP32-C4
D16-B1	Q12-B4	TP17-C4
D12-C2	Q13-D5	TP26-D4
D14-C2	Q14-D5	TP18-D4
D09-C2	I.C.'s	
D13-C2	IC05-D1	
D08-C2	IC06-B2	
D10-C2	IC3502-B2	
D11-D4	IC03-C3	
	IC3501-C4	
	IC04-D5	



SCHMATIC DIAGRAM FOR MODELS  
TX-21S1T / TC-21S1R  
(Z-5 CHASSIS)

IMPORTANT SAFETY NOTICE

Components identified by  $\triangle$  mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

Notes

- RESISTOR**  
All resistors are carbon 1/4W resistor, unless marked.  
Unit of resistance is OHM ( $\Omega$ ) (K=1,000, M=1,000,000).

  - $\bullet$  : Nonflammable
  - $\otimes$  : Metal Oxide
  - $\triangle$  : Solid
  - $\odot$  : Metal Film
  - $\oslash$  : Fuse
  - $\square$  : Wire Wound
- CAPACITOR**  
All capacitors are ceramic 50V capacitors, unless marked as follows:  
Unit of capacitance is  $\mu$ F, unless otherwise stated.

  - $\oslash$  : Temperature Compensation
  - $\textcircled{M}$  : Polyester
  - $\textcircled{m}$  : Metallised Polyester
  - $\otimes$  : Polypropylene
  - $\textcircled{T}$  : Dipped Tantalum
  - $\textcircled{Z}$  : Z-Type
  - $\pm$  : Electrolytic
  - NP  $\text{---}$  : Bipolar
- COIL**  
Unit of inductance is  $\mu$ H, unless otherwise stated.
- TEST POINT**

  - $\circ$  : Test Point position
  - $\textcircled{3}$  : Waveform Test Point position
- EARTH SYMBOL**

  - $\text{---}$  : Chassis Earth (Cold)
  - $\nabla$  : Line Earth (Hot)
- VOLTAGE MEASUREMENT**  
Voltage is measured by a DC voltmeter. Measurement conditions are as follows:

  - Power source AC 220V - 240V, 50Hz
  - Receiving Signal Colour Bar signal (RF)
  - All customer controls Maximum position
- $\Rightarrow$  : Indicates the Video signal path
  - $\Rightarrow$  : Indicates the Audio signal path
  - $\Rightarrow$  : Indicates the Vertical/Horizontal signal path
- This schematic diagram is the latest at the time of printing and is subject to change without notice.

Remarks

- The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection. The circuit is defined by HOT and COLD indications in the schematic diagram. All circuits, except the Power Circuit, are COLD.

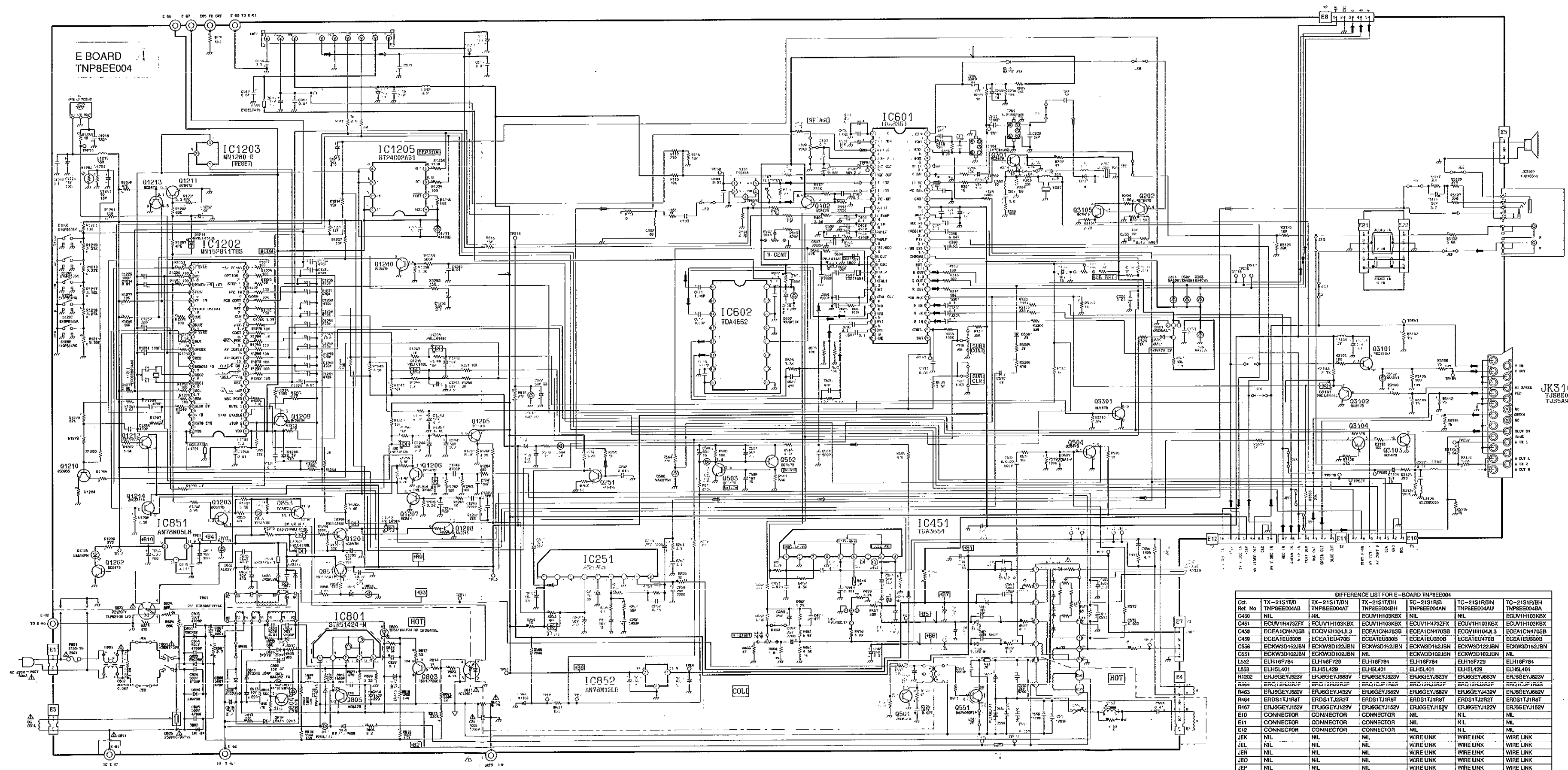
Precautions

- Do not touch the hot part, or the hot and cold parts at the same time, as you are liable to a shock hazard.
- Do not short-circuit the hot and cold circuits as electrical components may be damaged.
- Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously, as this may cause fuse failure. Connect the earth of the instruments to the earth connection of the circuit being measured.
- Make sure to disconnect the power plug before removing the chassis.

The following resistors are fusible safety components and are rated at the following values

Ref	Part Number	Current Rating
R809	TSF19401	400mA

E BOARD TNP8E004

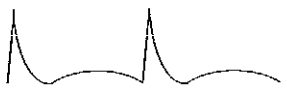
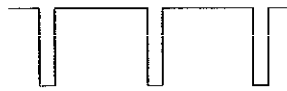
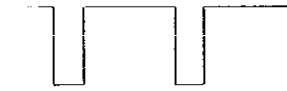





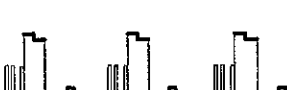





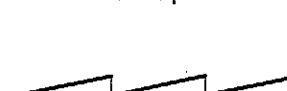

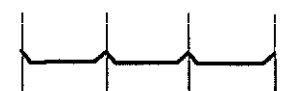
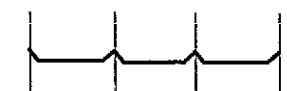
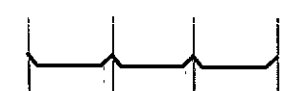



DIFFERENCE LIST FOR E-BOARD TNP8E004

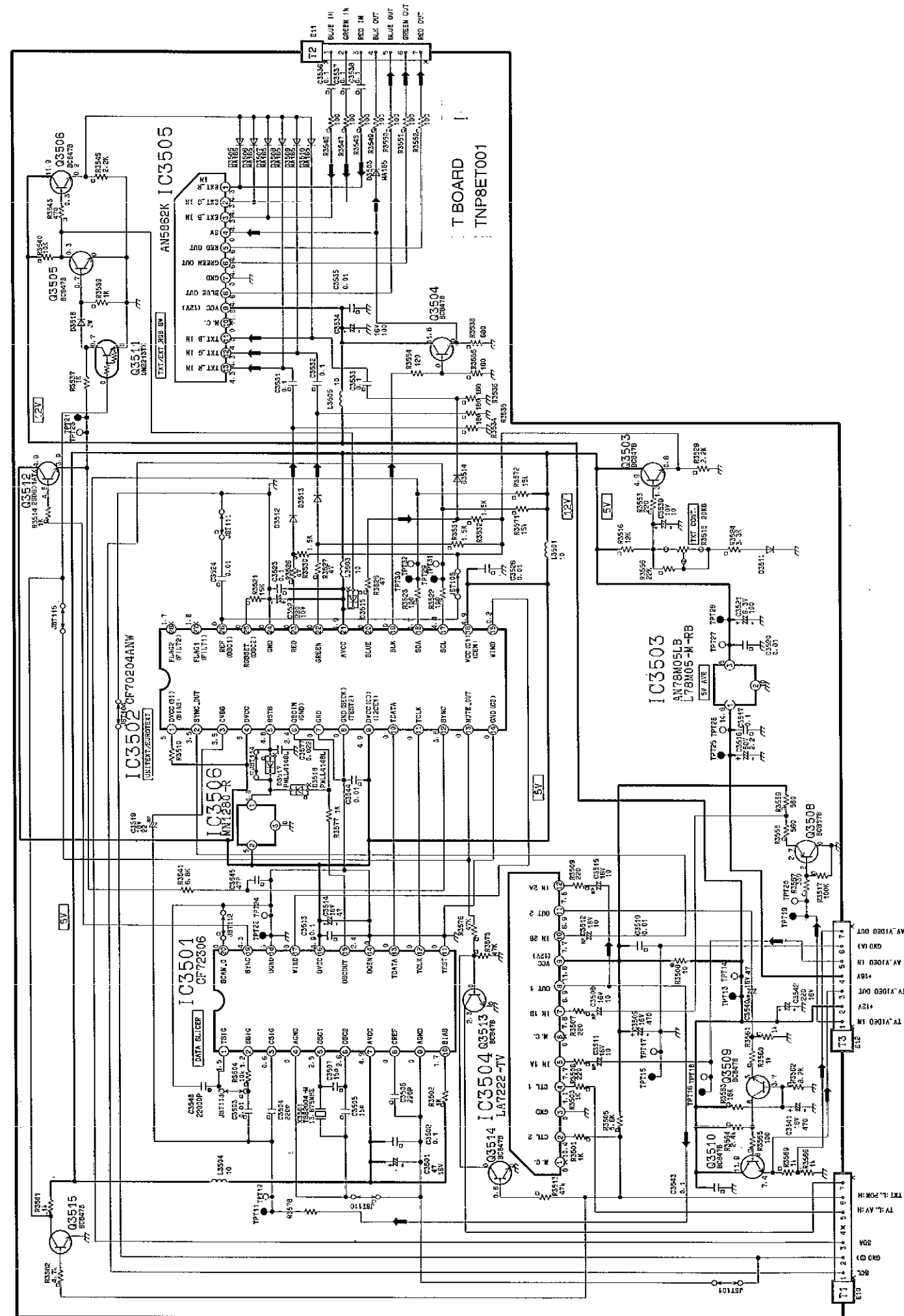
Qd. Ref. No	TX-21S17A TNP8E004A	TX-21S17B TNP8E004AT	TX-21S17D TNP8E004B	TC-21S17R TNP8E004AN	TC-21S17BN TNP8E004AU	TC-21S17BH TNP8E004A
C450	NIL	NIL	ECUW1103KX	NIL	NIL	ECUW1103KX
C451	ECUW1103ZF	ECUW1102KX	ECUW1103ZF	ECUW1103KX	ECUW1103KX	ECUW1103KX
C458	ECEA1C4705B	EQD11104L3	ECEA1C4705B	ECEA1C4705B	ECOV1104L3	ECEA1C4705B
C459	ECEA1E3308	ECEA1E4708	ECEA1E3308	ECEA1E3308	ECEA1E4708	ECEA1E3308
C556	ECKW3D152JBN	ECKW3D122JBN	ECKW3D152JBN	ECKW3D152JBN	ECKW3D122JBN	ECKW3D152JBN
C551	ECKW3D102JBN	ECKW3D102JBN	NIL	NIL	ECKW3D102JBN	NIL
L532	ELH16F784	ELH16F729	ELH16F784	ELH16F784	ELH16F729	ELH16F784
L533	ELH5L401	ELH5L429	ELH5L401	ELH5L401	ELH5L429	ELH5L401
R1202	ERJ6GEYJ82V	ERJ6GEYJ88V	ERJ6GEYJ82V	ERJ6GEYJ82V	ERJ6GEYJ88V	ERJ6GEYJ82V
R264	ERD12A2R2P	ERD12A2R2P	ERD12A2R2P	ERD12A2R2P	ERD12A2R2P	ERD12A2R2P
R463	ERJ6GEYJ82V	ERJ6GEYJ32V	ERJ6GEYJ82V	ERJ6GEYJ82V	ERJ6GEYJ32V	ERJ6GEYJ82V
R464	ERD51TJ1R8T	ERD51TJ2R2T	ERD51TJ1R8T	ERD51TJ1R8T	ERD51TJ2R2T	ERD51TJ1R8T
R467	ERJ6GEYJ162V	ERJ6GEYJ122V	ERJ6GEYJ162V	ERJ6GEYJ162V	ERJ6GEYJ122V	ERJ6GEYJ162V
E10	CONNECTOR	CONNECTOR	CONNECTOR	NIL	NIL	NIL
E11	CONNECTOR	CONNECTOR	CONNECTOR	NIL	NIL	NIL
E12	CONNECTOR	CONNECTOR	CONNECTOR	NIL	NIL	NIL
JEK	NIL	NIL	NIL	WIRE LINK	WIRE LINK	WIRE LINK
JEL	NIL	NIL	NIL	WIRE LINK	WIRE LINK	WIRE LINK
JEM	NIL	NIL	NIL	WIRE LINK	WIRE LINK	WIRE LINK
JFO	NIL	NIL	NIL	WIRE LINK	WIRE LINK	WIRE LINK
JEP	NIL	NIL	NIL	WIRE LINK	WIRE LINK	WIRE LINK
R1216	NIL	NIL	NIL	EROS2TKF9531	EROS2TKF9531	EROS2TKF9531

JK3101  
TJ8BE003  
TJ85A92-10

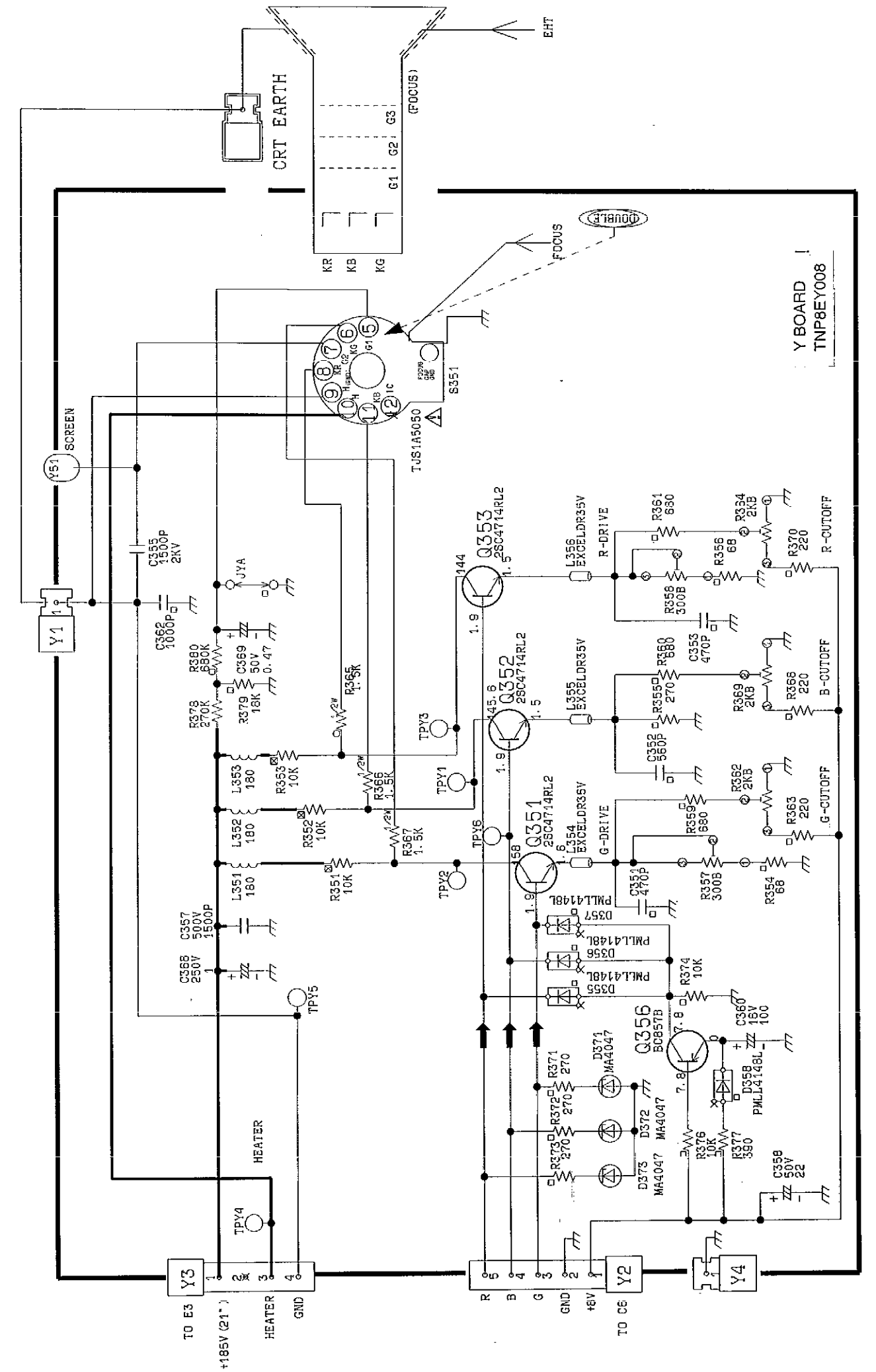
# WAVEFORM PATTERN TABLE

IC451 pin 8 	IC1202 pin 30 	IC1202 pin 37 	IC 1202 pin 35 
Vert Out IC IN	H.Sync	SCL	OSC.2
IC1202 pin 36 	IC1202 pin 38 	IC1202 pin 39 	IC601 pin 31 
OSC.1	SDA	Slow Switch	'BY' Out
IC601 pin 30 	IC601 pin 7 	IC601 pin 18 	IC 601 pin 19 
'RY' Out	IF VO	B Out	G Out
IC601 pin 20 	IC601 pin 37 	IC451 pin 1 	BLK 
R Out	H. Out	Vert Drive	IC3502 pin 19
IC3502 pin 23 	IC3502 pin 22 	IC3502 pin 20 	RED 
GREEN	BLUE		

## T BOARD TNP8ET001

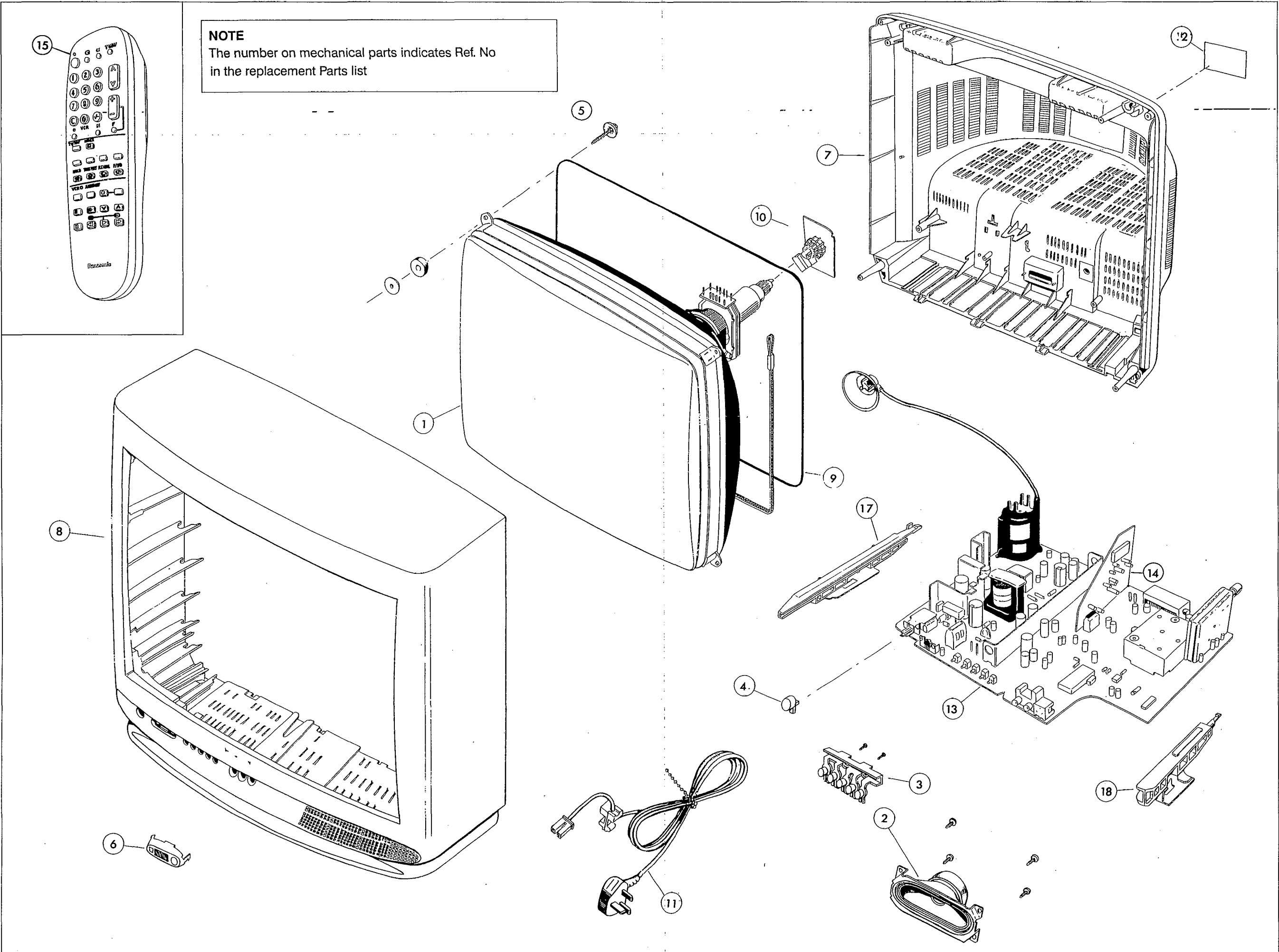


## Y BOARD TNP8EY008



# PARTS LOCATION FOR TX-21S1T / TC-21S1R

**NOTE**  
The number on mechanical parts indicates Ref. No in the replacement Parts list







Ref No.	Part No.	Description
<b>TRANSISTORS</b>		
Q102	BC847B	TRANSISTOR
Q202	BC847B	TRANSISTOR
Q251	BC847B	TRANSISTOR
Q301	BC847B	TRANSISTOR
Q356	BC857B	TRANSISTOR
Q501	2SD836--AL	TRANSISTOR
Q502	BC857B	TRANSISTOR
Q503	BC847B	TRANSISTOR
Q504	BC847B	TRANSISTOR
Q551	BU2506DFLB	TRANSISTOR
Q803	2SD1272QLB	TRANSISTOR
Q804	BC847B	TRANSISTOR
Q805	BC847B	TRANSISTOR
Q853	BC857B	TRANSISTOR
Q1201	BC857B	TRANSISTOR
Q1202	BC847B	TRANSISTOR
Q1203	BC847B	TRANSISTOR
Q1205	BC847B	TRANSISTOR
Q1206	BC847B	TRANSISTOR
Q1207	BC847B	TRANSISTOR
Q1208	UN2213TX	TRANSISTOR
Q1209	BC847B	TRANSISTOR
Q1210	2SD965--R	TRANSISTOR
Q1211	BC847B	TRANSISTOR
Q1212	2SC3311ATA	TRANSISTOR
Q1213	BC847B	TRANSISTOR
Q1214	2SC3311ATA	TRANSISTOR
Q3101	2SC1318--S	TRANSISTOR
Q3102	BC857B	TRANSISTOR
Q3103	BC847B	TRANSISTOR
Q3104	BC857B	TRANSISTOR
Q3105	BC847B	TRANSISTOR
Q3301	BC847B	TRANSISTOR
<b>RESISTORS</b>		
R016	ERG2SJS273	METAL 2W 5% 27K $\Omega$
R109	EVND4AA00B14	CONTROL 10K $\Omega$
R254	ERQ14AJ100	METAL 0.25W 5% 10 $\Omega$ $\Delta$
R259	ERQ1CJP120	METAL 1W 5% 12 $\Omega$ $\Delta$
R302	ERQ14AJ470	METAL 0.25W 5% 47 $\Omega$ $\Delta$
R305	ERDS1TJ391	CARBON 0.5W 5% 390 $\Omega$
R306	EVNDCAA03B14	CONTROL 10K $\Omega$
R316	EVND4AA00B53	CONTROL 5K $\Omega$
R351	ERG2ANJ103	METAL 2W 5% 10K $\Omega$
R352	ERG2ANJ103	METAL 2W 5% 10K $\Omega$
R353	ERG2ANJ103	METAL 2W 5% 10K $\Omega$
R354	ERJ6GEYJ680	S.M.CARB 0.1W 5% 68 $\Omega$
R356	ERJ6GEYJ680	S.M.CARB 0.1W 5% 68 $\Omega$
R357	EVN65UA00B32	CONTROL 300 $\Omega$
R358	EVN65UA00B32	CONTROL 300 $\Omega$
R359	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680 $\Omega$
R360	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680 $\Omega$
R361	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680 $\Omega$
R362	EVN65UA00B23	CONTROL 2K $\Omega$
R363	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220 $\Omega$
R364	EVN65UA00B23	CONTROL 2K $\Omega$
R365	ERDS1FJ152	CARBON 0.5W 5% 1K5 $\Omega$ $\Delta$
R366	ERDS1TJ152	CARBON 0.5W 5% 1K5 $\Omega$
R367	ERDS1TJ152	CARBON 0.5W 5% 1K5 $\Omega$
R368	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220 $\Omega$
R369	EVN65UA00B23	CONTROL 2K $\Omega$
R370	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220 $\Omega$
R374	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K $\Omega$

Ref No.	Part No.	Description
R376	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K $\Omega$
R377	ERJ6GEYJ391	S.M.CARB 0.1W 5% 390 $\Omega$
R378	ERD25TJ274	CARBON 0.25W 5% 270K $\Omega$
R379	ERJ6GEYJ183	S.M.CARB 0.1W 5% 18K $\Omega$
R380	ERJ6GEYJ684	S.M.CARB 0.1W 5% 680K $\Omega$
R455	ERG1SJ561	METAL 1W 5% 560 $\Omega$
R456	ERDS1TJ471	CARBON 0.5W 5% 470 $\Omega$
R457	ERDS1TJ331	CARBON 0.5W 5% 330 $\Omega$
R458	ERG2SJ122	METAL 2W 5% 1K2 $\Omega$
R459	ERDS1TJ222	CARBON 0.5W 5% 2K2 $\Omega$
R461	ERDS1TJ432	CARBON 0.5W 5% 4K3 $\Omega$
R465	EVNDCAA03B22	CONTROL 200 $\Omega$
R502	EVND4AA00B14	CONTROL 10K $\Omega$
R507	ERG2ANJ471	METAL 2W 5% 470 $\Omega$
R517	ERG3SJS101	METAL .3W 5% 10 $\Omega$
R520	ERQ12HJ1R0	METAL 0.5W 5% 1R0 $\Omega$ $\Delta$
R553	ERQ1CJP102	METAL 1W 5% 1K $\Omega$ $\Delta$
R572	ERD25TJ151	CARBON 0.25W 5% 150 $\Omega$
R602	ERG2SJS470	METAL 2W 5% 47 $\Omega$
R607	EVND4AA00B14	CONTROL 10K $\Omega$
R801	ERF5ZK2R7	WOUND 5W 20% 2.7 $\Omega$ $\Delta$
R802	ERDS1TJ184	CARBON 0.5W 5% 180K
R803	ERDS1TJ561	CARBON 0.5W 5% 560 $\Omega$
R804	ERD25TJ561	CARBON 0.25W 5% 560 $\Omega$
R806	ERX1SJ8R2	METAL 0.5W 5% 8R2 $\Omega$
R807	ERC12ZGK335D	SOLID 0.5W 10% 3M3 $\Omega$
R813	ERDS1TJ334	CARBON 0.5W 5% 330K $\Omega$
R815	ERD75TAJ825	CARBON 0.75W 5% 8M2 $\Omega$ $\Delta$
R818	ERDS1TJ154	CARBON 0.5W 5% 150K
R821	ERDS1TJ334	CARBON 0.5W 5% 330K $\Omega$
R822	ERG2ANJ683	METAL 2W 5% 68K $\Omega$
R828	ERW12PKR33	WOUND 0.5W 10% 0R33 $\Omega$ $\Delta$
R1216	ERJ6ENF4871	S.M.CARB 0.1W 1% 4K87 $\Omega$
R1217	ERJ6ENF3161	S.M.CARB 0.1W 1% 3K16 $\Omega$
R1218	ERJ6ENF2371	S.M.CARB 0.1W 1% 2K37 $\Omega$
R1219	ERJ6ENF2371	S.M.CARB 0.1W 1% 2K37 $\Omega$
R1221	ERJ6ENF1002	S.M.CARB 0.1W 1% 10K $\Omega$
R1283	P1201	SENSOR
R3105	ERDS1TJ101	CARBON 0.5W 5% 500 $\Omega$
R3106	ERDS1TJ750	CARBON 0.5W 5% 75 $\Omega$
<b>SWITCHES</b>		
S301	EVQRBAL10	SWITCH
S451	EVQRDSL12	SWITCH
S801	ESB91232A	SWITCH $\Delta$
S1202	EVQPB105K	SWITCH
S1203	EVQPB105K	SWITCH
S1204	EVQPB105K	SWITCH
S1205	EVQPB105K	SWITCH
S1206	EVQPB105K	SWITCH
<b>TRANSFORMERS</b>		
T201	EIS7ES710B	TRANSFORMER
T551	TLH15461M	COIL
T552	TLF15639F	FLYBACK TRANSFORMER $\Delta$
T801	ETS39AF1W7AC	TRANSFORMER $\Delta$
<b>FILTERS</b>		
X101	F1045A	FILTER
X203	EFCS6ROMS5	FILTER
X301	EFCS6ROMW3	FILTER
X1201	EFOGC6004A4	FILTER

## PARTS FOR TX-21S1T/B ONLY

Ref No.	Part No.	Description		
<b>MISCELLANEOUS COMPONENTS</b>				
1)	A51KSV43X13	C.R.T.	△	
10)	TNP8EY008AA	Y P.C.B.	△	
11)	TNP8EE004AB	E P.C.B.	△	
12)	TNP8ET001AA	T P.C.B.	△	
14)	TBM8E1334	REAR COVER LABEL		
<b>CAPACITORS</b>				
C016	ECEA1CU100	ELECT	16V	10μF
C022	ECEA1HGE330	ELECT	50V	33μF
C103	ERJ6GEY0R00	WIRE LINK		
C216	ECEA1CU220	ELECT	16V	22μF
C253	ECEA1HFS2R2	S.M. CAP	50V	2.2μF
C255	ECEA1CGE330	ELECT	16V	33μF
C256	222236516224	FILM	160V	220nF
C258	ECEA1EGE222	ELECT	25V	2200μF
C259	ECEA1EU102	ELECT	25V	1000μF
C305	ECQM1H104J	FILM	50V	100nF
C307	ECUV1H102KBX	S.M. CAP	50V	1nF
C351	ECUV1H471KBX	S.M. CAP	50V	470pF
C352	ECUV1H561KBX	S.M. CAP	50V	560pF
C353	ECUV1H471KBX	S.M. CAP	50V	470pF
C451	ECUV1H153ZFX	S.M. CAP	50V	15nF
C454	ECQB1H102J	FILM	50V	1nF
C456	ECEA1HN4R7	ELECT	50V	4.7μF
C458	ECEA1CN470	ELECT	16V	47μF
C459	ECEA1EU330	ELECT	25V	33μF
C461	ECEA1VGE102	ELECT	35V	1000μF
C507	ECEA1HFS2R2	S.M. CAP	50V	2.2μF
C509	ECEA1AGE471	ELECT	10V	470μF
C511	ECEA1HGE100	ELECT	50V	10μF
C551	ECKC3D102J	CERAMIC	2KV	1nF
C555	ECQM4333JC	FILM	400V	33nF
C556	ECKC3D152J	CERAMIC	2KV	1.5nF
C557	ECKC3D122J	CERAMIC	2KV	1200pF
C558	ECWF2H474J	FILM	500V	470nF
C562	ECEA2EGE100	ELECT	250V	10μF
C565	ECEA2CU2R2	ELECT	160V	2.2μF
C856	ECEA1HGE471	ELECT	50V	470μF
C858	ECEA1EGE100	ELECT	25V	10μF
C859	ECEA1EGE100	ELECT	25V	10μF
C1204	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1205	ECEA1EU101	ELECT	25V	100μF
C1226	ECUV1H101JCX	S.M. CAP	50V	100pF
C1228	ECUV1H471JCX	S.M. CAP	50V	470pF
C1238	ECUV1H471JCX	S.M. CAP	50V	470pF
C1239	ECUV1H471JCX	S.M. CAP	50V	470pF
C1248	ECUV1H472KBX	S.M. CAP	50V	4.7nF
C1251	ECUV1H471JCX	S.M. CAP	50V	470pF
C1252	ECEA1HU010	ELECT	50V	1μF
C1257	ECUV1H471JCX	S.M. CAP	50V	470pF
C1258	ECUV1H471JCX	S.M. CAP	50V	470pF
C1259	ECUV1H471JCX	S.M. CAP	50V	470pF
C1261	ECUV1H471JCX	S.M. CAP	50V	470pF
C1262	ECUV1H471JCX	S.M. CAP	50V	470pF
C3115	ECUV1H102KBX	S.M. CAP	50V	1nF
C3117	ECEA1AU101	ELECT	10V	100μF
C3118	ECEA1ESN3R3	ELECT	25V	3R3μF
C3501	ECEA1CU470	ELECT	16V	47μF
C3502	ECUV1H104ZFW	S.M. CAP	50V	100nF
C3503	ECUV1H103ZFX	S.M. CAP	50V	10nF
C3504	ECUV1H221JX	S.M. CAP	50V	220pF
C3505	ECUV1H150JCX	S.M. CAP	50V	15pF

Ref No.	Part No.	Description		
C3506	ECUV1H221JX	S.M. CAP	50V	220pF
C3507	ECUV1H150JCX	S.M. CAP	50V	15pF
C3508	ECEA1CN100	ELECT	16V	10μF
C3509	ECEA1CU471	ELECT	16V	470μF
C3510	ECUV1H103ZFX	S.M. CAP	50V	10nF
C3511	ECEA1CN100	ELECT	16V	10μF
C3512	ECEA1CN100	ELECT	16V	10μF
C3513	ECUV1H104ZFW	S.M. CAP	50V	100nF
C3514	ECEA1CU470	ELECT	16V	47μF
C3515	ECEA1CN100	ELECT	16V	10μF
C3516	ECEA1HU2R2	ELECT	50V	2.2μF
C3517	ECUV1H104ZFW	S.M. CAP	50V	100nF
C3519	ECEA1CN220	ELECT	16V	22μF
C3520	ECUV1H103ZFX	S.M. CAP	50V	10nF
C3521	ECEAOJU101	ELECT	6.3V	100μF
C3523	ECUV1H104ZFX	S.M. CAP	50V	100nF
C3524	ECUV1H103ZFX	S.M. CAP	50V	10nF
C3526	ECUV1H103ZFX	S.M. CAP	50V	10nF
C3527	ECEA1AU221	ELECT	10V	220μF
C3531	ECUV1H104ZFW	S.M. CAP	50V	100nF
C3532	ECUV1H104ZFW	S.M. CAP	50V	100nF
C3533	ECUV1H104ZFW	S.M. CAP	50V	100nF
C3534	ECEA1CU101	ELECT	16V	100μF
C3535	ECUV1H103ZFX	S.M. CAP	50V	10nF
C3536	ECUV1H104ZFW	S.M. CAP	50V	100nF
C3537	ECUV1H104ZFW	S.M. CAP	50V	100nF
C3538	ECUV1H104ZFW	S.M. CAP	50V	100nF
C3539	ECEA1CU100	ELECT	16V	10μF
C3540	ECEA1CN470	ELECT	16V	47μF
C3541	ECEA1CU471	ELECT	16V	470μF
C3542	ECEA1CU221	ELECT	16V	220μF
C3543	ECUV1H104ZFW	S.M. CAP	50V	100nF
C3544	ECUV1H103ZFX	S.M. CAP	50V	10nF
C3545	ECUV1H470JCX	S.M. CAP	50V	47pF
C3577	ECUV1H223KBX	S.M. CAP	50V	22nF

## DIODES

D305	MA165TA5	DIODE
D801	EM02BM	DIODE
D802	EM02BM	DIODE
D803	EM02BM	DIODE
D804	EM02BM	DIODE
D813	PC120FY	DIODE
D817	MA1039MTA	DIODE
D820	TF341M-A-RL	THYRISTOR
D822	PC120FY	DIODE
D855	MA4051	DIODE
D857	MA4200	DIODE
D3102	MA4051	DIODE
D3503	MA165TA5	DIODE
D3505	MA165TA5	DIODE
D3506	MA165TA5	DIODE
D3507	MA165TA5	DIODE
D3508	MA165TA5	DIODE
D3509	MA165TA5	DIODE
D3510	MA165TA5	DIODE
D3515	MA165TA5	DIODE
D3517	PMLL4148L	DIODE
D3518	PMLL4148L	DIODE

## INTEGRATED CIRCUITS

IC1204	RPM-637CBRS	LED RECEIVER
IC1205	ST24C02CB1	EEPROM
IC3501	CF72306	TELETEXT PROCESSOR
IC3502	CF70205ANW	TELETEXT CONTROL

Ref No.	Part No.	Description
IC3503	L78M05MRB	5V REGULATOR
IC3504	LA7222-TV	SWITCHING
IC3505	AN5862K	SWITCHING
IC3506	MN1280R	RESET
IC601	TDA8361N4	VIDEO PROCESSOR
<b>COILS</b>		
L301	ELESN100KA	COIL
L307	ELESN150KA	COIL
L351	ELESN181KA	COIL
L352	ELESN181KA	COIL
L353	ELESN181KA	COIL
L552	ELH16F784	COIL
L553	ELH5L401	COIL
L3106	ELC08D055	COIL
L3501	ELESN100KA	COIL
L3503	ELESN100KA	COIL
L3504	ELESN100KA	COIL
L3505	ELESN100KA	COIL
<b>TRANSISTORS</b>		
Q351	2SC2923-RL	TRANSISTOR
Q352	2SC2923-RL	TRANSISTOR
Q353	2SC2923-RL	TRANSISTOR
Q1240	BC847B	TRANSISTOR
Q3503	BC847B	TRANSISTOR
Q3504	BC847B	TRANSISTOR
Q3505	BC847B	TRANSISTOR
Q3506	BC847B	TRANSISTOR
Q3508	BC857B	TRANSISTOR
Q3509	BC847B	TRANSISTOR
Q3510	BC847B	TRANSISTOR
Q3511	UN2213TX	TRANSISTOR
Q3512	2SD601ATX	TRANSISTOR
Q3513	BC847B	TRANSISTOR
Q3514	BC847B	TRANSISTOR
<b>RESISTORS</b>		
R.319	ERJ6GEY0R00	WIRE LINK
R011	ERJ6GEY0R00	WIRE LINK
R012	ERJ6GEY0R00	WIRE LINK
R015	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15K $\Omega$
R101	ERJ6GEY0R00	WIRE LINK
R103	ERJ6GEY0R00	WIRE LINK
R107	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680 $\Omega$
R108	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6 $\Omega$
R111	ERJ6GEYJ122	S.M.CARB 0.1W 5% 1K2 $\Omega$
R112	ERJ6GEYJ334	S.M.CARB 0.1W 5% 330K $\Omega$
R113	ERJ6GEYJ334	S.M.CARB 0.1W 5% 330K $\Omega$
R114	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7 $\Omega$
R115	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K $\Omega$
R116	ERJ6GEYJ183	S.M.CARB 0.1W 5% 18K $\Omega$
R117	ERJ6GMYJ271	S.M.CARB 0.1W 5% 270 $\Omega$
R118	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220 $\Omega$
R119	ERJ6GEYJ682	S.M.CARB 0.1W 5% 6K8 $\Omega$
R123	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5 $\Omega$
R124	ERJ6GEYJ114	S.M.CARB 0.1W 5% 110K $\Omega$
R204	ERJ6GEYJ182	S.M.CARB 0.1W 5% 1K8 $\Omega$
R205	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5 $\Omega$
R207	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15K $\Omega$
R208	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K $\Omega$
R209	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1K $\Omega$
R216	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K $\Omega$

Ref No.	Part No.	Description
R232	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680 $\Omega$
R251	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1K $\Omega$
R253	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220 $\Omega$
R255	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3 $\Omega$
R256	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470 $\Omega$
R257	ERJ6GEYJ561	S.M.CARB 0.1W 5% 560 $\Omega$
R258	ERD25TJ103	CARBON 0.25W 5% 10K $\Omega$
R261	ERJ6GEYJ3R3	S.M.CARB 0.1W 5% 3R3 $\Omega$
R262	ERJ6GEYJ182	S.M.CARB 0.1W 5% 1K8 $\Omega$
R263	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1K $\Omega$
R301	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1K $\Omega$
R303	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220 $\Omega$
R304	ERJ6GEYJ181	S.M.CARB 0.1W 5% 180 $\Omega$
R307	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6 $\Omega$
R308	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1K $\Omega$
R309	ERJ6GEYJ821	S.M.CARB 0.1W 5% 820 $\Omega$
R310	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100 $\Omega$
R311	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1K $\Omega$
R312	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100 $\Omega$
R313	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100 $\Omega$
R314	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100 $\Omega$
R315	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100K $\Omega$
R317	ERJ6GEYJ393	S.M.CARB 0.1W 5% 39K $\Omega$
R318	ERJ6GEYJ913	S.M.CARB 0.1W 5% 91K $\Omega$
R320	ERD25TJ102	CARBON 0.25W 5% 1K $\Omega$
R355	ERJ6GMYJ271	S.M.CARB 0.1W 5% 270 $\Omega$
R401	ERJ6GEYJ334	S.M.CARB 0.1W 5% 330K $\Omega$
R403	ERJ6GEYJ335	S.M.CARB 0.1W 5% 3M3 $\Omega$
R451	ERJ6GEYJ432	S.M.CARB 0.1W 5% 4.3K $\Omega$
R452	ERJ6GEYJ432	S.M.CARB 0.1W 5% 4.3K $\Omega$
R462	ERJ6GEYJ122	S.M.CARB 0.1W 5% 1K2 $\Omega$
R463	ERJ6GEYJ682	S.M.CARB 0.1W 5% 6K8 $\Omega$
R464	ERDS1TJ1R8	CARBON 0.5W 5% 1R8 $\Omega$
R466	ERJ6GEYJ470	S.M.CARB 0.1W 5% 47 $\Omega$
R467	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5 $\Omega$
R468	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330 $\Omega$
R469	ERJ6GEY0R00	WIRE LINK
R471	ERD25TJ681	CARBON 0.25W 5% 680 $\Omega$
R501	ERJ6GEYJ123	S.M.CARB 0.1W 5% 12K $\Omega$
R503	ERJ6GEYJ824	S.M.CARB 0.1W 5% 820K $\Omega$
R504	ERJ6GEYJ273	S.M.CARB 0.1W 5% 27K $\Omega$
R505	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470 $\Omega$
R506	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6 $\Omega$
R508	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1K $\Omega$
R509	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K $\Omega$
R512	ERJ6GEYJ474	S.M.CARB 0.1W 5% 470K $\Omega$
R513	ERJ6GEYJ333	S.M.CARB 0.1W 5% 33K $\Omega$
R514	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7 $\Omega$
R516	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1K $\Omega$
R518	ERD25TJ103	CARBON 0.25W 5% 10K $\Omega$
R518	ERD25TJ682	CARBON 0.25W 5% 6K8 $\Omega$
R519	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100K $\Omega$
R521	ERQ2CJP8R2	METAL 2W 5% 8R2 $\Omega$ $\Delta$
R522	ERQ12HJ1R2	METAL 0.5W 5% 1R2 $\Omega$ $\Delta$
R564	ERQ12HJ2R2	FUSABLE 0.5W 5% 2R2 $\Omega$ $\Delta$
R566	ERD25TJ224	CARBON 0.25W 5% 220K $\Omega$
R567	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15K $\Omega$
R568	ERQ12HJ8R2	METAL 0.5W 5% 8R2 $\Omega$ $\Delta$
R571	ERJ6GEYJ680	S.M.CARB 0.1W 5% 68 $\Omega$
R601	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100K $\Omega$
R608	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3 $\Omega$
R616	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47K $\Omega$
R622	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6 $\Omega$
R623	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K $\Omega$
R624	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3 $\Omega$
R625	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K $\Omega$
R805	ERJ6GEYJ561	S.M.CARB 0.1W 5% 560 $\Omega$
R809	TSF19401	FS LINK $\Delta$
R810	ERDS1TJ104	CARBON 0.5W 5% 100K $\Omega$

Ref No.	Part No.	Description
R811	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3Ω
R812	ERQ12HJ330	METAL 0.5W 5% 33Ω Δ
R814	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R816	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R817	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R819	ERDS1TJ124	CARBON 0.5W 5% 120KΩ
R823	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R824	ERDS1TJ683	CARBON 0.5W 5% 68KΩ
R825	ERDS1TJ683	CARBON 0.5W 5% 68KΩ
R826	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R827	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R854	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R855	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R856	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680Ω
R858	ERJ6GEYJ182	S.M.CARB 0.1W 5% 1K8Ω
R1151	ERJ6GEY0R00	WIRE LINK
R1152	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1201	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R1202	ERJ6GEYJ563	S.M.CARB 0.1W 5% 56KΩ
R1203	ERJ6GEYJ100	S.M.CARB 0.1W 5% 10Ω
R1204	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R1205	ERJ6GEYJ333	S.M.CARB 0.1W 5% 33KΩ
R1206	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R1207	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R1208	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R1209	ERJ6GMYJ271	S.M.CARB 0.1W 5% 270Ω
R1210	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R1211	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R1213	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R1214	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R1220	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1222	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1223	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1224	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1225	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1226	ERJ6GEYJ123	S.M.CARB 0.1W 5% 12KΩ
R1227	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1228	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1229	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1230	ERJ6GEY0R00	WIRE LINK
R1231	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1232	ERJ6GEYJ392	S.M.CARB 0.1W 5% 3K9Ω
R1233	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R1234	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1235	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1236	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1237	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1238	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R1239	ERJ6GEYJ564	S.M.CARB 0.1W 5% 560KΩ
R1240	ERJ6GEY0R00	WIRE LINK
R1241	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1242	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1243	ERJ6GEYJ752	S.M.CARB 0.1W 5% 7K5Ω
R1244	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1245	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1246	ERJ6GEYJ122	S.M.CARB 0.1W 5% 1K2Ω
R1247	ERJ6GEY0R00	WIRE LINK
R1248	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1249	ERJ6GEY0R00	WIRE LINK
R1250	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1251	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1252	ERJ6GEYJ822	S.M.CARB 0.1W 5% 8K2Ω
R1253	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R1254	ERJ6GEY0R00	WIRE LINK
R1255	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1256	ERJ6GEYJ183	S.M.CARB 0.1W 5% 18KΩ
R1257	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1258	ERJ6GEYJ822	S.M.CARB 0.1W 5% 8K2Ω
R1259	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R1260	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω

Ref No.	Part No.	Description
R1261	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1262	ERJ6GEYJ123	S.M.CARB 0.1W 5% 12KΩ
R1263	ERJ6GEYJ563	S.M.CARB 0.1W 5% 56KΩ
R1264	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680Ω
R1266	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2Ω
R1267	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2Ω
R1268	ERJ6GEYJ223	S.M.CARB 0.1W 5% 22KΩ
R1269	ERJ6GEYJ392	S.M.CARB 0.1W 5% 3K9Ω
R1270	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1271	ERJ6GEYJ392	S.M.CARB 0.1W 5% 3K9Ω
R1272	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R1273	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R1275	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R1276	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1277	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1278	ERJ6GEYJ823	S.M.CARB 0.1W 5% 82KΩ
R1279	ERJ6GEYJ184	S.M.CARB 0.1W 5% 180KΩ
R1280	ERJ6GEY0R00	WIRE LINK
R1281	ERJ6GEYJ683	S.M.CARB 0.1W 5% 68KΩ
R1282	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1284	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R1285	ERJ6GEY0R00	WIRE LINK
R1287	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R1288	ERJ6GEYJ563	S.M.CARB 0.1W 5% 56KΩ
R1289	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R1290	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R1291	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1292	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1293	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R1294	ERJ6GEY0R00	WIRE LINK
R1296	ERJ6GEY0R00	WIRE LINK
R1297	ERJ6GEY0R00	WIRE LINK
R1298	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R1299	ERJ6GEY0R00	WIRE LINK
R3101	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3102	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75Ω
R3103	ERJ6GEYJ272	S.M.CARB 0.1W 5% 2K7Ω
R3108	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3109	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75Ω
R3112	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75Ω
R3115	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75Ω
R3116	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75Ω
R3117	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3118	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R3119	ERJ6GEYJ822	S.M.CARB 0.1W 5% 8K2Ω
R3120	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R3121	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3122	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R3123	ERJ6GEYJ393	S.M.CARB 0.1W 5% 39KΩ
R3124	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R3125	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R3126	ERJ6GEYJ273	S.M.CARB 0.1W 5% 27KΩ
R3127	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3128	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3131	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R3132	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R3134	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2Ω
R3137	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3301	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3302	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330Ω
R3303	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330Ω
R3304	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330Ω
R3305	ERJ6GEY0R00	WIRE LINK
R3306	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R3308	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3309	ERJ6GEYJ223	S.M.CARB 0.1W 5% 22KΩ
R3310	ERJ6GEYJ223	S.M.CARB 0.1W 5% 22KΩ
R3501	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3502	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3503	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ

Ref No.	Part No.	Description
R3504	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R3505	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R3506	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3507	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3508	ERQ14AJ100	METAL 0.25W 5% 10Ω Δ
R3509	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3510	ERJ6GEY0R00	WIRE LINK
R3513	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R3514	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3515	EVND4AA00B24	CONTROL 20KΩ
R3516	ERJ6GEYJ123	S.M.CARB 0.1W 5% 12KΩ
R3517	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R3521	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R3522	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3523	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3524	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3Ω
R3525	ERJ6GEYJ470	S.M.CARB 0.1W 5% 47Ω
R3526	ERJ6GEYJ470	S.M.CARB 0.1W 5% 47Ω
R3527	ERJ6GEYJ470	S.M.CARB 0.1W 5% 47Ω
R3529	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2Ω
R3530	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R3531	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R3532	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R3534	ERJ6GEYJ181	S.M.CARB 0.1W 5% 180Ω
R3535	ERJ6GEYJ181	S.M.CARB 0.1W 5% 180Ω
R3536	ERJ6GEYJ181	S.M.CARB 0.1W 5% 180Ω
R3537	ERD25TJ102	CARBON 0.25W 5% 1KΩ
R3538	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680Ω
R3539	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3540	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R3541	ERD25TJ682	CARBON 0.25W 5% 6K8Ω
R3543	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R3544	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3545	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2Ω

Ref No.	Part No.	Description
R3546	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3547	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3548	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3549	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3550	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3551	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3552	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3553	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3554	ERJ6GEYJ121	S.M.CARB 0.1W 5% 120Ω
R3555	ERJ6GEYJ181	S.M.CARB 0.1W 5% 180Ω
R3556	ERJ6GEYJ223	S.M.CARB 0.1W 5% 22KΩ
R3557	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330Ω
R3558	ERJ6GEYJ561	S.M.CARB 0.1W 5% 560Ω
R3559	ERJ6GEYJ561	S.M.CARB 0.1W 5% 560Ω
R3560	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3561	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3562	ERJ6GEYJ822	S.M.CARB 0.1W 5% 8K2Ω
R3563	ERJ6GEYJ183	S.M.CARB 0.1W 5% 18KΩ
R3564	ERJ6GEYJ242	S.M.CARB 0.1W 5% 2K4Ω
R3565	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3566	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3569	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3571	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R3572	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R3575	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R3576	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R3577	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ

**FILTERS**

X601	TSS116M1	CRYSTAL
X3501	TSS2004-M	CRYSTAL

**PARTS FOR TX-21S1T/BN ONLY**

Ref No.	Part No.	Description
<b>MISCELLANEOUS COMPONENTS</b>		
1)	A51EAL55X13	C.R.T. Δ
10)	TNP8EY008AE	Y P.C.B. Δ
11)	TNP8EE004AT	E P.C.B. Δ
12)	TNP8ET001AA	T P.C.B. Δ
14)	TBM8E1416	REAR COVER LABEL
<b>CAPACITORS</b>		
C016	ECEA1CU100	ELECT 16V 10μF
C022	ECEA1HGE330	ELECT 50V 33μF
C026	ECCR1H070J	CERAMIC 50V 7pF
C103	ERJ6GEY0R00	WIRE LINK
C216	ECEA1CU220	ELECT 16V 22μF
C253	ECEA1HFS2R2	S.M. CAP 50V 2.2μF
C255	ECEA1CGE330	ELECT 16V 33μF
C256	222236516224	FILM 160V 220nF
C258	ECEA1EGE222	ELECT 25V 2200μF
C259	ECEA1EU102	ELECT 25V 1000μF
C305	ECQM1H104J	FILM 50V 100nF
C307	ECUV1H102KBX	S.M. CAP 50V 1nF
C351	ECUV1H561KBX	S.M. CAP 50V 560pF
C352	ECUV1H681KBX	CAPACITOR
C353	ECUV1H561KBX	S.M. CAP 50V 560pF

Ref No.	Part No.	Description
C451	ECUV1H473ZFX	S.M. CAP 50V 47nF
C454	ECQB1H102J	FILM 50V 1nF
C456	ECEA1HN4R7	ELECT 50V 4.7μF
C458	ECQM1H104J	FILM 50V 100nF
C459	ECEA1EU470	ELECT 25V 47μF
C461	ECEA1VGE102	ELECT 35V 1000μF
C507	ECEA1HFS2R2	S.M. CAP 50V 2.2μF
C509	ECEA1AGE471	ELECT 10V 470μF
C511	ECEA1HGE100	ELECT 50V 10μF
C551	ECKC3D102J	CERAMIC 2KV 1nF Δ
C555	ECQM4333JC	FILM 400V 33nF
C556	ECKC3D122J	CERAMIC 2KV 1200pF Δ
C557	ECKC3D122J	CERAMIC 2KV 1200pF Δ
C558	ECWF2H474J	FILM 500V 470nF Δ
C562	ECEA2EGE100	ELECT 250V 10μF
C565	ECEA2CU2R2	ELECT 160V 2.2μF
C856	ECEA1HGE471	ELECT 50V 470μF
C858	ECEA1EGE100	ELECT 25V 10μF
C859	ECEA1EGE100	ELECT 25V 10μF
C1205	ECEA1EU101	ELECT 25V 100μF
C1226	ECUV1H101JCX	S.M. CAP 50V 100pF
C1228	ECUV1H471JCX	S.M. CAP 50V 470pF
C1238	ECUV1H471JCX	S.M. CAP 50V 470pF
C1239	ECUV1H471JCX	S.M. CAP 50V 470pF
C1248	ECUV1H272KBX	S.M. CAP 50V 2.7nF
C1251	ECUV1H471JCX	S.M. CAP 50V 470pF
C1252	ECEA1HGE010	ELECT 50V 1μF
C1257	ECUV1H471JCX	S.M. CAP 50V 470pF

Ref No.	Part No.	Description
C1258	ECUV1H471JCX	S.M. CAP 50V 470pF
C1259	ECUV1H471JCX	S.M. CAP 50V 470pF
C1261	ECUV1H471JCX	S.M. CAP 50V 470pF
C1262	ECUV1H471JCX	S.M. CAP 50V 470pF
C3118	ECEA1ESN3R3	ELECT 25V 3R3μF
C3501	ECEA1CU470	ELECT 16V 47μF
C3502	ECUV1H104ZFW	S.M. CAP 50V 100nF
C3503	ECUV1H103ZFX	S.M. CAP 50V 10nF
C3504	ECUV1H221JX	S.M. CAP 50V 220pF
C3505	ECUV1H150JCX	S.M. CAP 50V 15pF
C3506	ECUV1H221JX	S.M. CAP 50V 220pF
C3507	ECUV1H150JCX	S.M. CAP 50V 15pF
C3508	ECEA1CN100	ELECT 16V 10μF
C3509	ECEA1CU471	ELECT 16V 470μF
C3510	ECUV1H103ZFX	S.M. CAP 50V 10nF
C3511	ECEA1CN100	ELECT 16V 10μF
C3512	ECEA1CN100	ELECT 16V 10μF
C3513	ECUV1H104ZFW	S.M. CAP 50V 100nF
C3514	ECEA1CU470	ELECT 16V 47μF
C3515	ECEA1CN100	ELECT 16V 10μF
C3516	ECEA1HU2R2	ELECT 50V 2.2μF
C3517	ECUV1H104ZFW	S.M. CAP 50V 100nF
C3519	ECEA1CN220	ELECT 16V 22μF
C3520	ECUV1H103ZFX	S.M. CAP 50V 10nF
C3521	ECEA0JU101	ELECT 6.3V 100μF
C3523	ECUV1H104ZFX	S.M. CAP 50V 100nF
C3524	ECUV1H103ZFX	S.M. CAP 50V 10nF
C3526	ECUV1H103ZFX	S.M. CAP 50V 10nF
C3527	ECEA1AU221	ELECT 10V 220μF
C3531	ECUV1H104ZFW	S.M. CAP 50V 100nF
C3532	ECUV1H104ZFW	S.M. CAP 50V 100nF
C3533	ECUV1H104ZFW	S.M. CAP 50V 100nF
C3534	ECEA1CU101	ELECT 16V 100μF
C3535	ECUV1H103ZFX	S.M. CAP 50V 10nF
C3536	ECUV1H104ZFW	S.M. CAP 50V 100nF
C3537	ECUV1H104ZFW	S.M. CAP 50V 100nF
C3538	ECUV1H104ZFW	S.M. CAP 50V 100nF
C3539	ECEA1CU100	ELECT 16V 10μF
C3540	ECEA1CN470	ELECT 16V 47μF
C3541	ECEA1CU471	ELECT 16V 470μF
C3542	ECEA1CU221	ELECT 16V 220μF
C3543	ECUV1H104ZFW	S.M. CAP 50V 100nF
C3544	ECUV1H103ZFX	S.M. CAP 50V 10nF
C3545	ECUV1H470JCX	S.M. CAP 50V 47pF
C3577	ECUV1H223KBX	S.M. CAP 50V 22nF

**DIODES**

D305	MA165TA5	DIODE
D801	EMO2BMV0	DIODE
D802	EMO2BMV0	DIODE
D803	EMO2BMV0	DIODE
D804	EMO2BMV0	DIODE
D813	PC120FY	DIODE
D817	MA1039MTA	DIODE
D820	TF341M-A-RL	THYRISTOR
D822	PC120FY	DIODE
D855	MA4051	DIODE
D857	MA4200	DIODE
D3102	MTZJ5-1A	DIODE
D3503	MA165TA5	DIODE
D3505	MA165TA5	DIODE
D3506	MA165TA5	DIODE
D3507	MA165TA5	DIODE
D3508	MA165TA5	DIODE
D3509	MA165TA5	DIODE
D3510	MA165TA5	DIODE
D3515	MA165TA5	DIODE
D3517	PMLL4148L	DIODE
D3518	PMLL4148L	DIODE

Ref No.	Part No.	Description
<b>INTEGRATED CIRCUITS</b>		
IC1204	RPM-637CBRS	RECEIVER
IC1205	ST24C02CB1	EEPROM
IC3501	CF72306	TELETEXT PROCESSOR
IC3502	CF70205ANW	TELETEXT CONTROL
IC3503	L78M05MRB	5V REGULATOR
IC3504	LA7222-TV	SWITCHING
IC3505	AN5862K	SWITCHING
IC3506	MN1280R	RESET
IC601	TDA8361N4	VIDEO PROCESSOR

**COILS**

L301	TLT100K991R	COIL
L307	TLT150K991R	COIL
L351	TLT181K991R	COIL
L352	TLT181K991R	COIL
L353	TLT181K991R	COIL
L552	ELH16F729	COIL
L553	ELH5L429	COIL
L3501	ELESN100KA	COIL
L3503	ELESN100KA	COIL
L3504	ELESN100KA	COIL
L3505	ELESN100KA	COIL

**TRANSISTORS**

Q351	2SC4714RL2	TRANSISTOR
Q352	2SC4714RL2	TRANSISTOR
Q353	2SC4714RL2	TRANSISTOR
Q851	2SD1273PLB	TRANSISTOR
Q1240	BC847B	TRANSISTOR
Q3503	BC847B	TRANSISTOR
Q3504	BC847B	TRANSISTOR
Q3505	BC847B	TRANSISTOR
Q3506	BC847B	TRANSISTOR
Q3508	BC857B	TRANSISTOR
Q3509	BC847B	TRANSISTOR
Q3510	BC847B	TRANSISTOR
Q3511	UN2213TX	TRANSISTOR
Q3512	2SD601ATX	TRANSISTOR
Q3513	BC847B	TRANSISTOR
Q3514	BC847B	TRANSISTOR

**RESISTORS**

R.319	ERJ6GEY0R00	WIRE LINK
R011	ERJ6GEY0R00	WIRE LINK
R012	ERJ6GEY0R00	WIRE LINK
R015	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R101	ERJ6GEY0R00	WIRE LINK
R103	ERJ6GEY0R00	WIRE LINK
R107	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680Ω
R108	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R111	ERJ6GEYJ122	S.M.CARB 0.1W 5% 1K2Ω
R112	ERJ6GEYJ334	S.M.CARB 0.1W 5% 330KΩ
R113	ERJ6GEYJ334	S.M.CARB 0.1W 5% 330KΩ
R114	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R115	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R116	ERJ6GEYJ183	S.M.CARB 0.1W 5% 18KΩ
R117	ERJ6GMYJ271	S.M.CARB 0.1W 5% 270Ω
R118	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R119	ERJ6GEYJ682	S.M.CARB 0.1W 5% 6K8Ω
R123	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R124	ERJ6GEYJ684	S.M.CARB 0.1W 5% 680KΩ
R204	ERJ6GEYJ182	S.M.CARB 0.1W 5% 1K8Ω

Ref No.	Part No.	Description
R205	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R207	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R208	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R209	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R216	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R232	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680Ω
R251	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R253	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R255	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3Ω
R256	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R257	ERJ6GEYJ561	S.M.CARB 0.1W 5% 560Ω
R258	ERD25TJ103	CARBON 0.25W 5% 10KΩ
R261	ERJ6GEYJ3R3	S.M.CARB 0.1W 5% 3R3Ω
R262	ERJ6GEYJ182	S.M.CARB 0.1W 5% 1K8Ω
R263	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R301	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R303	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R304	ERJ6GEYJ181	S.M.CARB 0.1W 5% 180Ω
R307	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R308	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R309	ERJ6GEYJ821	S.M.CARB 0.1W 5% 820Ω
R310	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R311	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R312	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R313	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R314	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R315	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R317	ERJ6GEYJ393	S.M.CARB 0.1W 5% 39KΩ
R318	ERJ6GEYJ913	S.M.CARB 0.1W 5% 91KΩ
R320	ERD25TJ102	CARBON 0.25W 5% 1KΩ
R355	ERJ6GMYJ271	S.M.CARB 0.1W 5% 270Ω
R401	ERJ6GEYJ334	S.M.CARB 0.1W 5% 330KΩ
R403	ERJ6GEYJ335	S.M.CARB 0.1W 5% 3M3Ω
R451	ERJ6GEYJ432	S.M.CARB 0.1W 5% 4.3KΩ
R452	ERJ6GEYJ432	S.M.CARB 0.1W 5% 4.3KΩ
R462	ERJ6GEYJ122	S.M.CARB 0.1W 5% 1K2Ω
R463	ERJ6GEYJ432	S.M.CARB 0.1W 5% 4.3KΩ
R464	ERDS1TJ2R2	CARBON 0.5W 5% 2.2Ω
R466	ERJ6GEYJ470	S.M.CARB 0.1W 5% 47Ω
R467	ERJ6GEYJ122	S.M.CARB 0.1W 5% 1K2Ω
R468	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330Ω
R469	ERJ6GEY0R00	WIRE LINK
R471	ERD25TJ681	CARBON 0.25W 5% 680Ω
R501	ERJ6GEYJ123	S.M.CARB 0.1W 5% 12KΩ
R503	ERJ6GEYJ824	S.M.CARB 0.1W 5% 820KΩ
R504	ERJ6GEYJ273	S.M.CARB 0.1W 5% 27KΩ
R505	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R506	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R508	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R509	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R512	ERJ6GEYJ474	S.M.CARB 0.1W 5% 470KΩ
R513	ERJ6GEYJ333	S.M.CARB 0.1W 5% 33KΩ
R514	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R516	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R518	ERD25TJ682	CARBON 0.25W 5% 6K8Ω
R519	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R521	ERQ2CJP8R2	METAL 2W 5% 8R2Ω ▲
R522	ERQ12HJ1R2	METAL 0.5W 5% 1R2Ω ▲
R564	ERQ12HJ2R2	FUSABLE 0.5W 5% 2R2Ω ▲
R566	ERD25TJ224	CARBON 0.25W 5% 220KΩ
R567	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R568	ERQ12HJ8R2	METAL 0.5W 5% 8R2Ω ▲
R571	ERJ6GEYJ680	S.M.CARB 0.1W 5% 68Ω
R601	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R603	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R608	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3Ω
R616	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R622	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R623	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R624	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3Ω
R625	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ

Ref No.	Part No.	Description
R805	ERJ6GEYJ561	S.M.CARB 0.1W 5% 560Ω
R809	TSF19401	FS LINK ▲
R810	ERDS1TJ104	CARBON 0.5W 5% 100KΩ
R811	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3Ω
R812	ERQ12HJ330	METAL 0.5W 5% 33Ω ▲
R814	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R816	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R817	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R819	ERDS1TJ124	CARBON 0.5W 5% 120KΩ
R823	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R824	ERDS1TJ683	CARBON 0.5W 5% 68KΩ
R825	ERDS1TJ683	CARBON 0.5W 5% 68KΩ
R826	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R827	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R854	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R855	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R856	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680Ω
R858	ERJ6GEYJ182	S.M.CARB 0.1W 5% 1K8Ω
R1151	ERJ6GEY0R00	WIRE LINK
R1152	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1201	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R1202	ERJ6GEYJ683	S.M.CARB 0.1W 5% 68KΩ
R1203	ERJ6GEYJ100	S.M.CARB 0.1W 5% 10Ω
R1204	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R1205	ERJ6GEYJ333	S.M.CARB 0.1W 5% 33KΩ
R1206	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R1207	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R1208	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R1209	ERJ6GMYJ271	S.M.CARB 0.1W 5% 270Ω
R1210	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R1211	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R1213	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R1214	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R1220	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1222	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1223	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1224	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1225	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1226	ERJ6GEYJ123	S.M.CARB 0.1W 5% 12KΩ
R1227	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1228	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1229	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1230	ERJ6GEY0R00	WIRE LINK
R1231	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1232	ERJ6GEYJ392	S.M.CARB 0.1W 5% 3K9Ω
R1233	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R1234	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1235	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1236	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1237	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1238	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R1239	ERJ6GEYJ564	S.M.CARB 0.1W 5% 560KΩ
R1240	ERJ6GEY0R00	WIRE LINK
R1241	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1242	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1243	ERJ6GEYJ752	S.M.CARB 0.1W 5% 7K5Ω
R1244	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1245	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1246	ERJ6GEYJ122	S.M.CARB 0.1W 5% 1K2Ω
R1247	ERJ6GEY0R00	WIRE LINK
R1248	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1249	ERJ6GEY0R00	WIRE LINK
R1250	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1251	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1252	ERJ6GEYJ822	S.M.CARB 0.1W 5% 8K2Ω
R1253	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R1254	ERJ6GEY0R00	WIRE LINK
R1255	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1256	ERJ6GEYJ183	S.M.CARB 0.1W 5% 18KΩ
R1257	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1258	ERJ6GEYJ822	S.M.CARB 0.1W 5% 8K2Ω

Ref No.	Part No.	Description
R1259	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R1260	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1261	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1262	ERJ6GEYJ123	S.M.CARB 0.1W 5% 12KΩ
R1263	ERJ6GEYJ563	S.M.CARB 0.1W 5% 56KΩ
R1264	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680Ω
R1266	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2Ω
R1267	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2Ω
R1268	ERJ6GEYJ223	S.M.CARB 0.1W 5% 22KΩ
R1269	ERJ6GEYJ392	S.M.CARB 0.1W 5% 3K9Ω
R1270	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1271	ERJ6GEYJ392	S.M.CARB 0.1W 5% 3K9Ω
R1272	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R1273	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R1275	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R1276	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1277	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1278	ERJ6GEYJ823	S.M.CARB 0.1W 5% 82KΩ
R1279	ERJ6GEYJ184	S.M.CARB 0.1W 5% 180KΩ
R1280	ERJ6GEYOR00	WIRE LINK
R1281	ERJ6GEYJ683	S.M.CARB 0.1W 5% 68KΩ
R1282	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1284	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R1285	ERJ6GEYOR00	WIRE LINK
R1287	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R1288	ERJ6GEYJ334	S.M.CARB 0.1W 5% 330KΩ
R1289	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R1290	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R1291	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1292	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1293	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R1294	ERJ6GEYOR00	WIRE LINK
R1296	ERJ6GEYOR00	WIRE LINK
R1297	ERJ6GEYOR00	WIRE LINK
R1299	ERJ6GEYOR00	WIRE LINK
R3101	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3102	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75Ω
R3103	ERJ6GEYJ272	S.M.CARB 0.1W 5% 2K7Ω
R3108	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3109	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75Ω
R3112	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75Ω
R3115	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75Ω
R3116	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75Ω
R3117	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3118	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3120	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R3121	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3122	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R3123	ERJ6GEYJ393	S.M.CARB 0.1W 5% 39KΩ
R3124	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R3125	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R3126	ERJ6GEYJ273	S.M.CARB 0.1W 5% 27KΩ
R3127	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3128	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3131	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R3132	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R3134	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2Ω
R3137	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3301	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680Ω
R3302	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330Ω
R3303	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330Ω
R3304	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330Ω
R3305	ERJ6GEYOR00	WIRE LINK
R3306	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R3308	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3309	ERJ6GEYJ223	S.M.CARB 0.1W 5% 22KΩ
R3310	ERJ6GEYJ223	S.M.CARB 0.1W 5% 22KΩ
R3501	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ

Ref No.	Part No.	Description
R3502	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3503	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3504	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R3505	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R3506	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3507	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3508	ERQ14AJ100	METAL 0.25W 5% 10Ω
R3509	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3510	ERJ6GEYOR00	WIRE LINK
R3513	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R3514	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3515	EVND4AA00B24	CONTROL 20KΩ
R3516	ERJ6GEYJ123	S.M.CARB 0.1W 5% 12KΩ
R3517	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R3521	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R3522	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3523	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3524	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3Ω
R3525	ERJ6GEYJ470	S.M.CARB 0.1W 5% 47Ω
R3526	ERJ6GEYJ470	S.M.CARB 0.1W 5% 47Ω
R3527	ERJ6GEYJ470	S.M.CARB 0.1W 5% 47Ω
R3529	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2Ω
R3530	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R3531	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R3532	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R3534	ERJ6GEYJ181	S.M.CARB 0.1W 5% 180Ω
R3535	ERJ6GEYJ181	S.M.CARB 0.1W 5% 180Ω
R3536	ERJ6GEYJ181	S.M.CARB 0.1W 5% 180Ω
R3537	ERD25TJ102	CARBON 0.25W 5% 1KΩ
R3538	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680Ω
R3539	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3540	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R3541	ERD25TJ682	CARBON 0.25W 5% 6K8Ω
R3543	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R3544	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3545	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2Ω
R3546	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3547	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3548	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3549	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3550	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3551	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3552	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3553	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3554	ERJ6GEYJ121	S.M.CARB 0.1W 5% 120Ω
R3555	ERJ6GEYJ181	S.M.CARB 0.1W 5% 180Ω
R3556	ERJ6GEYJ223	S.M.CARB 0.1W 5% 22KΩ
R3557	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330Ω
R3558	ERJ6GEYJ561	S.M.CARB 0.1W 5% 560Ω
R3559	ERJ6GEYJ561	S.M.CARB 0.1W 5% 560Ω
R3560	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3561	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3562	ERJ6GEYJ822	S.M.CARB 0.1W 5% 8K2Ω
R3563	ERJ6GEYJ183	S.M.CARB 0.1W 5% 18KΩ
R3564	ERJ6GEYJ242	S.M.CARB 0.1W 5% 2K4Ω
R3565	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3566	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3569	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3571	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R3572	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R3575	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R3576	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R3577	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ

**FILTERS**

X601	TSS116M6	CRYSTAL
X3501	TSS2004-M	CRYSTAL



## PARTS FOR TX-21S1T/BH ONLY

Ref No.	Part No.	Description
<b>MISCELLANEOUS COMPONENTS</b>		
1)	A51EFS43X191	C.R.T. $\Delta$
10)	TNP8EY008AE	Y P.C.B. $\Delta$
11)	TNP8EE004BH	E P.C.B. $\Delta$
12)	TNP8ET001AA	T P.C.B. $\Delta$
14)	TBM8E1334-1	REAR COVER LABEL
<b>CAPACITORS</b>		
C016	ECEA1CU100	ELECT 16V 10 $\mu$ F
C022	ECEA1HGE330	ELECT 50V 33 $\mu$ F
C026	ECCR1H180J	CERAMIC 50V 18pF
C103	ERJ6GEY0R00	WIRE LINK
C216	ECEA1CU220	ELECT 16V 22 $\mu$ F
C253	ECEA1HFS2R2	S.M. CAP 50V 2.2 $\mu$ F
C255	ECEA1CGE330	ELECT 16V 33 $\mu$ F
C256	222236516224	FILM 160V 220nF
C258	ECEA1EGE222	ELECT 25V 2200 $\mu$ F
C259	ECEA1EU102	ELECT 25V 1000 $\mu$ F
C305	ECQM1H104J	FILM 50V 100nF
C307	ECUV1H102KBX	S.M. CAP 50V 1nF
C351	ECUV1H561KBX	S.M. CAP 50V 560pF
C352	ECUV1H681KBX	CAPACITOR
C353	ECUV1H561KBX	S.M. CAP 50V 560pF
C450	ECUV1H103KBX	S.M. CAP 50V 10nF
C451	ECUV1H103KBX	S.M. CAP 50V 10nF
C454	ECKC2H102J	CERAMIC 500V 1nF $\Delta$
C456	ECEA1HN4R7	ELECT 50V 4.7 $\mu$ F
C458	ECEA1CN470	ELECT 16V 47 $\mu$ F
C459	ECEA1EU330	ELECT 25V 33 $\mu$ F
C461	ECEA1VGE102	ELECT 35V 1000 $\mu$ F
C507	ECEA1HFS2R2	S.M. CAP 50V 2.2 $\mu$ F
C509	ECEA1AGE471	ELECT 10V 470 $\mu$ F
C511	ECEA1HGE100	ELECT 50V 10 $\mu$ F
C555	ECQM4333JC	FILM 400V 33nF
C556	ECKC3D152J	CERAMIC 2KV 1.5nF $\Delta$
C557	ECKC3D122J	CERAMIC 2KV 1200pF $\Delta$
C558	ECWF2H474J	FILM 500V 470nF $\Delta$
C562	ECEA2EGE100	ELECT 250V 10 $\mu$ F
C565	ECEA2CU2R2	ELECT 160V 2.2 $\mu$ F
C856	ECEA1HGE471	ELECT 50V 470 $\mu$ F
C858	ECEA1EGE100	ELECT 25V 10 $\mu$ F
C859	ECEA1EGE100	ELECT 25V 10 $\mu$ F
C1205	ECEA1EU101	ELECT 25V 100 $\mu$ F
C1226	ECUV1H101JCX	S.M. CAP 50V 100pF
C1228	ECUV1H471JCX	S.M. CAP 50V 470pF
C1238	ECUV1H471JCX	S.M. CAP 50V 470pF
C1239	ECUV1H471JCX	S.M. CAP 50V 470pF
C1248	ECUV1H272KBX	S.M. CAP 50V 2.7nF
C1251	ECUV1H471JCX	S.M. CAP 50V 470pF
C1252	ECEA1HGE010	ELECT 50V 1 $\mu$ F
C1257	ECUV1H471JCX	S.M. CAP 50V 470pF
C1258	ECUV1H471JCX	S.M. CAP 50V 470pF
C1259	ECUV1H471JCX	S.M. CAP 50V 470pF
C1261	ECUV1H471JCX	S.M. CAP 50V 470pF
C1262	ECUV1H471JCX	S.M. CAP 50V 470pF
C3118	ECEA1ESN3R3	ELECT 25V 3R3 $\mu$ F
C3501	ECEA1CU470	ELECT 16V 47 $\mu$ F
C3502	ECUV1H104ZFW	S.M. CAP 50V 100nF
C3503	ECUV1H103ZFX	S.M. CAP 50V 10nF
C3504	ECUV1H221JX	S.M. CAP 50V 220pF
C3505	ECUV1H150JCX	S.M. CAP 50V 15pF
C3506	ECUV1H221JX	S.M. CAP 50V 220pF
C3507	ECUV1H150JCX	S.M. CAP 50V 15pF
C3508	ECEA1CN100	ELECT 16V 10 $\mu$ F

Ref No.	Part No.	Description
C3509	ECEA1CU471	ELECT 16V 470 $\mu$ F
C3510	ECUV1H103ZFX	S.M. CAP 50V 10nF
C3511	ECEA1CN100	ELECT 16V 10 $\mu$ F
C3512	ECEA1CN100	ELECT 16V 10 $\mu$ F
C3513	ECUV1H104ZFW	S.M. CAP 50V 100nF
C3514	ECEA1CU470	ELECT 16V 47 $\mu$ F
C3515	ECEA1CN100	ELECT 16V 10 $\mu$ F
C3516	ECEA1HU2R2	ELECT 50V 2.2 $\mu$ F
C3517	ECUV1H104ZFW	S.M. CAP 50V 100nF
C3519	ECEA1CN220	ELECT 16V 22 $\mu$ F
C3520	ECUV1H103ZFX	S.M. CAP 50V 10nF
C3521	ECEA0JU101	ELECT 6.3V 100 $\mu$ F
C3523	ECUV1H104ZFX	S.M. CAP 50V 100nF
C3524	ECUV1H103ZFX	S.M. CAP 50V 10nF
C3526	ECUV1H103ZFX	S.M. CAP 50V 10nF
C3527	ECEA1AU221	ELECT 10V 220 $\mu$ F
C3531	ECUV1H104ZFW	S.M. CAP 50V 100nF
C3532	ECUV1H104ZFW	S.M. CAP 50V 100nF
C3533	ECUV1H104ZFW	S.M. CAP 50V 100nF
C3534	ECEA1CU101	ELECT 16V 100 $\mu$ F
C3535	ECUV1H103ZFX	S.M. CAP 50V 10nF
C3536	ECUV1H104ZFW	S.M. CAP 50V 100nF
C3537	ECUV1H104ZFW	S.M. CAP 50V 100nF
C3538	ECUV1H104ZFW	S.M. CAP 50V 100nF
C3539	ECEA1CU100	ELECT 16V 10 $\mu$ F
C3540	ECEA1CN470	ELECT 16V 47 $\mu$ F
C3541	ECEA1CU471	ELECT 16V 470 $\mu$ F
C3542	ECEA1CU221	ELECT 16V 220 $\mu$ F
C3543	ECUV1H104ZFW	S.M. CAP 50V 100nF
C3544	ECUV1H103ZFX	S.M. CAP 50V 10nF
C3545	ECUV1H470JCX	S.M. CAP 50V 47pF
C3577	ECUV1H223KBX	S.M. CAP 50V 22nF
<b>DIODES</b>		
D305	MA165TA5	DIODE
D801	EMO2BMV0	DIODE
D802	EMO2BMV0	DIODE
D803	EMO2BMV0	DIODE
D804	EMO2BMV0	DIODE
D813	TLP621GR-LF2	PHOTO COUPLER $\Delta$
D817	MA1039MTA	DIODE
D820	TF341M-A-RL	THYRISTOR
D822	TLP621GR-LF2	PHOTO COUPLER $\Delta$
D855	MA4051	DIODE
D857	MA4200	DIODE
D3102	MA4051	DIODE
D3503	MA165TA5	DIODE
D3505	MA165TA5	DIODE
D3506	MA165TA5	DIODE
D3507	MA165TA5	DIODE
D3508	MA165TA5	DIODE
D3509	MA165TA5	DIODE
D3510	MA165TA5	DIODE
D3515	MA165TA5	DIODE
D3517	PMLL4148L	DIODE
D3518	PMLL4148L	DIODE
<b>INTEGRATED CIRCUITS</b>		
IC1204	RPM-637CBRS	RECEIVER
IC1205	ST24C02CB1	EEPROM
IC3501	CF72306	TELETEXT PROCESSOR
IC3502	CF70205ANW	TELETEXT CONTROL
IC3503	L78M05MRB	5V REGULATOR
IC3504	LA7222-TV	SWITCHING
IC3505	AN5862K	SWITCHING

Ref No.	Part No.	Description
IC3506	MN1280R	RESET
IC601	TDA8361N4	VIDEO PROCESSOR
<b>COILS</b>		
L301	TLT100K991R	COIL
L307	TLT150K991R	COIL
L351	TLT181K991R	COIL
L352	TLT181K991R	COIL
L353	TLT181K991R	COIL
L552	ELH16F784	COIL
L553	ELH5L401	COIL
L3501	ELESN100KA	COIL
L3503	ELESN100KA	COIL
L3504	ELESN100KA	COIL
L3505	ELESN100KA	COIL
<b>TRANSISTORS</b>		
Q351	2SC4714RL2	TRANSISTOR
Q352	2SC4714RL2	TRANSISTOR
Q353	2SC4714RL2	TRANSISTOR
Q851	2SD1273PLB	TRANSISTOR
Q1240	BC847B	TRANSISTOR
Q3503	BC847B	TRANSISTOR
Q3504	BC847B	TRANSISTOR
Q3505	BC847B	TRANSISTOR
Q3506	BC847B	TRANSISTOR
Q3508	BC857B	TRANSISTOR
Q3509	BC847B	TRANSISTOR
Q3510	BC847B	TRANSISTOR
Q3511	UN2213TX	TRANSISTOR
Q3512	2SD601ATX	TRANSISTOR
Q3513	BC847B	TRANSISTOR
Q3514	BC847B	TRANSISTOR
<b>RESISTORS</b>		
R.319	ERJ6GEY0R00	WIRE LINK
R011	ERJ6GEY0R00	WIRE LINK
R012	ERJ6GEY0R00	WIRE LINK
R015	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R101	ERJ6GEY0R00	WIRE LINK
R103	ERJ6GEY0R00	WIRE LINK
R107	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680Ω
R108	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R111	ERJ6GEYJ122	S.M.CARB 0.1W 5% 1K2Ω
R112	ERJ6GEYJ334	S.M.CARB 0.1W 5% 330KΩ
R113	ERJ6GEYJ334	S.M.CARB 0.1W 5% 330KΩ
R114	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R115	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R116	ERJ6GEYJ183	S.M.CARB 0.1W 5% 18KΩ
R117	ERJ6GEYJ271	S.M.CARB 0.1W 5% 270Ω
R118	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R119	ERJ6GEYJ682	S.M.CARB 0.1W 5% 6K8Ω
R123	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R124	ERJ6GEYJ684	S.M.CARB 0.1W 5% 680KΩ
R204	ERJ6GEYJ182	S.M.CARB 0.1W 5% 1K8Ω
R205	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R207	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R208	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R209	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R216	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R232	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680Ω
R251	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R253	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω

Ref No.	Part No.	Description
R255	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3Ω
R256	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R257	ERJ6GEYJ561	S.M.CARB 0.1W 5% 560Ω
R258	ERD25TJ103	CARBON 0.25W 5% 10KΩ
R261	ERJ6GEYJ3R3	S.M.CARB 0.1W 5% 3R3Ω
R262	ERJ6GEYJ182	S.M.CARB 0.1W 5% 1K8Ω
R263	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R301	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R303	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R304	ERJ6GEYJ181	S.M.CARB 0.1W 5% 180Ω
R307	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R308	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R309	ERJ6GEYJ821	S.M.CARB 0.1W 5% 820Ω
R310	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R311	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R312	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R313	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R314	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R315	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R317	ERJ6GEYJ393	S.M.CARB 0.1W 5% 39KΩ
R318	ERJ6GEYJ913	S.M.CARB 0.1W 5% 91KΩ
R320	ERD25TJ102	CARBON 0.25W 5% 1KΩ
R355	ERJ6GMYJ271	S.M.CARB 0.1W 5% 270Ω
R401	ERJ6GEYJ334	S.M.CARB 0.1W 5% 330KΩ
R403	ERJ6GEYJ335	S.M.CARB 0.1W 5% 3M3Ω
R451	ERJ6GEYJ432	S.M.CARB 0.1W 5% 4.3KΩ
R452	ERJ6GEYJ432	S.M.CARB 0.1W 5% 4.3KΩ
R462	ERJ6GEYJ122	S.M.CARB 0.1W 5% 1K2Ω
R463	ERJ6GEYJ682	S.M.CARB 0.1W 5% 6K8Ω
R464	ERDS1TJ1R8	CARBON 0.5W 5% 1R8Ω
R466	ERJ6GEYJ470	S.M.CARB 0.1W 5% 47Ω
R467	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R468	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330Ω
R469	ERJ6GEY0R00	WIRE LINK
R471	ERD25TJ681	CARBON 0.25W 5% 680Ω
R501	ERJ6GEYJ123	S.M.CARB 0.1W 5% 12KΩ
R503	ERJ6GEYJ824	S.M.CARB 0.1W 5% 820KΩ
R504	ERJ6GEYJ273	S.M.CARB 0.1W 5% 27KΩ
R505	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R506	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R508	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R509	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R512	ERJ6GEYJ474	S.M.CARB 0.1W 5% 470KΩ
R513	ERJ6GEYJ333	S.M.CARB 0.1W 5% 33KΩ
R514	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R516	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R518	ERD25TJ682	CARBON 0.25W 5% 6K8Ω
R519	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R521	ERQ2CJP8R2	METAL 2W 5% 8R2Ω Δ
R522	ERQ12HJ1R2	METAL 0.5W 5% 1R2Ω Δ
R564	ERQ1CJP1R0	RESISTOR Δ
R566	ERD25TJ224	CARBON 0.25W 5% 220KΩ
R567	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R568	ERQ12HJ8R2	METAL 0.5W 5% 8R2Ω Δ
R571	ERJ6GEYJ680	S.M.CARB 0.1W 5% 68Ω
R601	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R603	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R608	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3Ω
R616	ERJ6GEYJ822	S.M.CARB 0.1W 5% 8K2Ω
R622	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R623	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R624	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3Ω
R625	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R805	ERJ6GEYJ561	S.M.CARB 0.1W 5% 560Ω
R809	TSF19401	FS LINK Δ
R810	ERDS1TJ393	CARBON 0.5W 5% 39KΩ
R811	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R812	ERQ12HJ330	METAL 0.5W 5% 33Ω Δ
R814	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ

Ref No.	Part No.	Description
R816	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R817	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R819	ERDS1TJ393	CARBON 0.5W 5% 39KΩ
R823	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R824	ERDS1TJ683	CARBON 0.5W 5% 68KΩ
R825	ERDS1TJ683	CARBON 0.5W 5% 68KΩ
R826	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R827	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R854	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R855	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R856	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680Ω
R858	ERJ6GEYJ182	S.M.CARB 0.1W 5% 1K8Ω
R1151	ERJ6GEY0R00	WIRE LINK
R1152	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1201	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R1202	ERJ6GEYJ823	S.M.CARB 0.1W 55 82KΩ
R1203	ERJ6GEYJ100	S.M.CARB 0.1W 5% 10Ω
R1204	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R1205	ERJ6GEYJ333	S.M.CARB 0.1W 5% 33KΩ
R1206	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R1207	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R1208	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R1209	ERJ6GEYJ271	S.M.CARB 0.1W 5% 270Ω
R1210	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R1211	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R1213	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R1214	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R1220	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1222	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1223	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1224	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1225	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1226	ERJ6GEYJ123	S.M.CARB 0.1W 5% 12KΩ
R1227	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1228	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1229	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1230	ERJ6GEY0R00	WIRE LINK
R1231	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1232	ERJ6GEYJ392	S.M.CARB 0.1W 5% 3K9Ω
R1233	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R1234	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1235	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1236	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1237	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1238	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R1239	ERJ6GEYJ564	S.M.CARB 0.1W 5% 56KΩ
R1240	ERJ6GEY0R00	WIRE LINK
R1241	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1242	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1243	ERJ6GEYJ752	S.M.CARB 0.1W 5% 7K5Ω
R1244	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1245	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1246	ERJ6GEYJ122	S.M.CARB 0.1W 5% 1K2Ω
R1247	ERJ6GEY0R00	WIRE LINK
R1248	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1249	ERJ6GEY0R00	WIRE LINK
R1250	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1251	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1252	ERJ6GEYJ822	S.M.CARB 0.1W 5% 8K2Ω
R1253	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R1254	ERJ6GEY0R00	WIRE LINK
R1255	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1256	ERJ6GEYJ183	S.M.CARB 0.1W 5% 18KΩ
R1257	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1258	ERJ6GEYJ822	S.M.CARB 0.1W 5% 8K2Ω
R1259	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R1260	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1261	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1262	ERJ6GEYJ123	S.M.CARB 0.1W 5% 12KΩ
R1263	ERJ6GEYJ563	S.M.CARB 0.1W 5% 56KΩ

Ref No.	Part No.	Description
R1264	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680Ω
R1266	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2Ω
R1267	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2Ω
R1268	ERJ6GEYJ223	S.M.CARB 0.1W 5% 22KΩ
R1269	ERJ6GEYJ392	S.M.CARB 0.1W 5% 3K9Ω
R1270	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1271	ERJ6GEYJ392	S.M.CARB 0.1W 5% 3K9Ω
R1272	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R1273	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R1275	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R1276	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1277	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1278	ERJ6GEYJ823	S.M.CARB 0.1W 55 82KΩ
R1279	ERJ6GEYJ184	S.M.CARB 0.1W 5% 180KΩ
R1280	ERJ6GEY0R00	WIRE LINK
R1281	ERJ6GEYJ683	S.M.CARB 0.1W 5% 68KΩ
R1282	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1284	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R1285	ERJ6GEY0R00	WIRE LINK
R1287	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R1288	ERJ6GEYJ334	S.M.CARB 0.1W 5% 330KΩ
R1289	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R1290	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R1291	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1292	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1293	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R1294	ERJ6GEY0R00	WIRE LINK
R1296	ERJ6GEY0R00	WIRE LINK
R1297	ERJ6GEY0R00	WIRE LINK
R1299	ERJ6GEY0R00	WIRE LINK
R3101	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3102	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75Ω
R3103	ERJ6GEYJ272	S.M.CARB 0.1W 5% 2K7Ω
R3108	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3109	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75Ω
R3112	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75Ω
R3115	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75Ω
R3116	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75Ω
R3117	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3118	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3120	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R3121	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3122	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R3123	ERJ6GEYJ393	S.M.CARB 0.1W 5% 39KΩ
R3124	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R3125	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R3126	ERJ6GEYJ273	S.M.CARB 0.1W 5% 27KΩ
R3127	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3128	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3131	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R3132	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R3134	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2Ω
R3137	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3301	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680Ω
R3302	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330Ω
R3303	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330Ω
R3304	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330Ω
R3305	ERJ6GEY0R00	WIRE LINK
R3306	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R3308	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3309	ERJ6GEYJ223	S.M.CARB 0.1W 5% 22KΩ
R3310	ERJ6GEYJ223	S.M.CARB 0.1W 5% 22KΩ
R3501	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3502	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3503	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3504	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R3505	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R3506	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3507	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω

Ref No.	Part No.	Description
R3508	ERQ14AJ100	METAL 0.25W 5% 10Ω Δ
R3509	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3510	ERJ6GEY0R00	WIRE LINK
R3513	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R3514	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3515	EVND4AA00B24	CONTROL 20KΩ
R3516	ERJ6GEYJ123	S.M.CARB 0.1W 5% 12KΩ
R3517	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R3521	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R3522	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3523	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3524	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3Ω
R3525	ERJ6GEYJ470	S.M.CARB 0.1W 5% 47Ω
R3526	ERJ6GEYJ470	S.M.CARB 0.1W 5% 47Ω
R3527	ERJ6GEYJ470	S.M.CARB 0.1W 5% 47Ω
R3529	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2Ω
R3530	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R3531	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R3532	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R3534	ERJ6GEYJ181	S.M.CARB 0.1W 5% 180Ω
R3535	ERJ6GEYJ181	S.M.CARB 0.1W 5% 180Ω
R3536	ERJ6GEYJ181	S.M.CARB 0.1W 5% 180Ω
R3537	ERD25TJ102	CARBON 0.25W 5% 1KΩ
R3538	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680Ω
R3539	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3540	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R3541	ERD25TJ682	CARBON 0.25W 5% 6K8Ω
R3543	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R3544	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3545	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2Ω
R3546	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3547	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω

Ref No.	Part No.	Description
R3548	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3549	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3550	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3551	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3552	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3553	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3554	ERJ6GEYJ121	S.M.CARB 0.1W 5% 120Ω
R3555	ERJ6GEYJ181	S.M.CARB 0.1W 5% 180Ω
R3556	ERJ6GEYJ223	S.M.CARB 0.1W 5% 22KΩ
R3557	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330Ω
R3558	ERJ6GEYJ561	S.M.CARB 0.1W 5% 560Ω
R3559	ERJ6GEYJ561	S.M.CARB 0.1W 5% 560Ω
R3560	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3561	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3562	ERJ6GEYJ822	S.M.CARB 0.1W 5% 8K2Ω
R3563	ERJ6GEYJ183	S.M.CARB 0.1W 5% 18KΩ
R3564	ERJ6GEYJ242	S.M.CARB 0.1W 5% 2K4Ω
R3565	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3566	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3569	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3571	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R3572	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R3575	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R3576	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R3577	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ

FILTERS		
X601	TSS116M6	CRYSTAL
X3501	TSS2004-M	CRYSTAL

**PARTS FOR TC-21S1R/B ONLY**

Ref No.	Part No.	Description
<b>MISCELLANEOUS COMPONENTS</b>		
1)	A51KSV43X13	C.R.T. Δ
10)	TNP8EY008AA	Y P.C.B. Δ
11)	TNP8EE004AN	E P.C.B. Δ
12)	*****	TX-21S1T MODELS ONLY
14)	TBM8E1346	REAR COVER LABEL
<b>CAPACITORS</b>		
C016	ECEA1CU470	ELECT 16V 47μF
C022	ECEA1HU330	ELECT 50V 33μF
C103	ERJ6GMY0R00	S.M. WIRE LINK
C207	ECUV1H472KBX	S.M. CAP 50V 4.7nF
C216	ECEA1CU100	ELECT 16V 10μF
C253	ECEA1HU2R2	ELECT 50V 2.2μF
C255	ECEA1CU330	ELECT 16V 33μF
C258	ECEA1EGE102	ELECT 25V 1000μF
C259	ECEA1EU471	ELECT 25V 470μF
C305	ECQM1H474J	FILM 50V 470nF
C351	ECUV1H471KBX	S.M. CAP 50V 470pF
C352	ECUV1H561KBX	S.M. CAP 50V 560pF
C353	ECUV1H471KBX	S.M. CAP 50V 470pF
C451	ECUV1H153ZFX	S.M. CAP 50V 15nF
C454	ECQB1H102J	FILM 50V 1nF
C458	ECQM1H104J	FILM 50V 100nF
C459	ECEA1EU330	ELECT 25V 33μF
C461	ECEA1VU102	ELECT 35V 1000μF

Ref No.	Part No.	Description
C507	ECEA1HU2R2	ELECT 50V 2.2μF
C509	ECEA1AU471	ELECT 10V 470μF
C511	ECEA1HU100	ELECT 50V 10μF
C552	ECKC3D391J	CERAMIC 2KV 390pF Δ
C556	ECKC3D152J	CERAMIC 2KV 1.5nF Δ
C557	ECKC3D152J	CERAMIC 2KV 1.5nF Δ
C558	ECWF2H394JZ	CERAMIC 500V 390nF Δ
C562	ECEA2EU100	ELECT 250V 10μF
C565	ECEA2CU4R7	ELECT 160V 4.7μF
C856	ECEA1HU471	ELECT 50V 470μF
C858	ECEA1EU100	ELECT 25V 10μF
C859	ECEA1CU100	ELECT 16V 10μF
C1204	ECUV1H104ZFX	S.M. CAP 50V 100nF
C1205	ECEA1CU101	ELECT 16V 100μF
C1248	ECUV1H472KBX	S.M. CAP 50V 4.7nF
C1252	ECEA1HU010	ELECT 50V 1μF
C3001	ECEA1CU471	ELECT 16V 470μF
C3002	ECEA1CU330	ELECT 16V 33μF
C3003	ECEA1CU100	ELECT 16V 10μF
C3004	ECUV1H103ZFX	S.M. CAP 50V 10nF
C3005	ECEA1CU100	ELECT 16V 10μF
C3006	ECEA1CN100	ELECT 16V 10μF
C3007	ECUV1H101JCX	S.M. CAP 50V 100pF
C3008	ECEA1CU221	ELECT 16V 220μF
C3009	ECEA1CU100	ELECT 16V 10μF
C3011	ECEA1CU100	ELECT 16V 10μF
C3012	ECEA1CU100	ELECT 16V 10μF
C3014	ECUV1H101JCX	S.M. CAP 50V 100pF
C3015	ECEA1CN100	ELECT 16V 10μF
C3016	ECEA1HU4R7	ELECT 50V 4.7μF

Ref No.	Part No.	Description		
C3017	ECEA1HU4R7	ELECT	50V	4.7 $\mu$ F
C3018	ECEA1CU100	ELECT	16V	10 $\mu$ F
C3019	ECEA1CU100	ELECT	16V	10 $\mu$ F
C3020	ECEA1CU471	ELECT	16V	470 $\mu$ F
C3021	ECUV1H103ZFX	S.M. CAP	50V	10nF
C3022	ECEA1CN100	ELECT	16V	10 $\mu$ F
C3023	ECEA1HU4R7	ELECT	50V	4.7 $\mu$ F
C3115	ECUV1H102KBX	S.M. CAP	50V	1nF

## DIODES

D801	EM02BM	DIODE
D802	EM02BM	DIODE
D803	EM02BM	DIODE
D804	EM02BM	DIODE
D813	PC120FY	DIODE
D817	MA1033MTA	DIODE
D820	SF2G41RL	TYRISTOR
D855	MA4056	DIODE
D857	MA4160	DIODE
D3102	MA4051	DIODE

## INTEGRATED CIRCUITS

IC1205	ST24C02CB1	EEPROM
IC601	TDA8361N4	VIDEO PROCESSOR

## COILS

L102	ELESN2R7KA	COIL
L301	ELESN6R8KA	COIL
L351	TLT181K991R	COIL
L352	TLT181K991R	COIL
L353	TLT181K991R	COIL
L552	ELH16F784	COIL
L553	ELH5L401	COIL
L3106	ELC08D055	COIL

## TRANSISTORS

Q351	2SC4714RL2	TRANSISTOR
Q352	2SC4714RL2	TRANSISTOR
Q353	2SC4714RL2	TRANSISTOR
Q851	2SD1273PLB	TRANSISTOR
Q1204	BC847B	TRANSISTOR

## RESISTORS

R015	ERJ6GMYJ153	S.M.CARB	0.1W	5%	15K $\Omega$
R101	ERJ6GMY0R00	S.M. WIRE	LINK		
R103	ERJ6GMY0R00	S.M. WIRE	LINK		
R107	ERJ6GMYJ561	S.M.CARB	0.1W	5%	560 $\Omega$
R108	ERJ6GMYJ562	S.M.CARB	0.1W	5%	5K6 $\Omega$
R111	ERJ6GMYJ122	S.M.CARB	0.1W	5%	1K2 $\Omega$
R112	ERJ6GMYJ334	S.M. CARB	0.1W	5%	330K $\Omega$
R113	ERJ6GMYJ334	S.M. CARB	0.1W	5%	330K $\Omega$
R114	ERJ6GMYJ472	S.M.CARB	0.1W	5%	4K7 $\Omega$
R115	ERJ6GMYJ103	S.M.CARB	0.1W	5%	10K $\Omega$
R116	ERJ6GMYJ183	S.M.CARB	0.1W	5%	18K $\Omega$
R117	ERJ6GMY0R00	S.M. WIRE	LINK		
R118	ERJ6GMYJ221	S.M.CARB	0.1W	5%	220 $\Omega$
R119	ERJ6GMYJ682	S.M.CARB	0.1W	5%	6K8 $\Omega$
R123	ERJ6GMYJ152	S.M.CARB	0.1W	5%	1K5 $\Omega$
R124	ERJ6GMYJ114	S.M.CARB	0.1W	5%	110K $\Omega$

Ref No.	Part No.	Description			
R204	ERJ6GMYJ182	S.M.CARB	0.1W	5%	1K8 $\Omega$
R205	ERJ6GMYJ152	S.M.CARB	0.1W	5%	1K5 $\Omega$
R207	ERJ6GMYJ153	S.M.CARB	0.1W	5%	15K $\Omega$
R208	ERJ6GMYJ103	S.M.CARB	0.1W	5%	10K $\Omega$
R209	ERJ6GMYJ102	S.M.CARB	0.1W	5%	1K $\Omega$
R216	ERJ6GMYJ103	S.M.CARB	0.1W	5%	10K $\Omega$
R232	ERJ6GMYJ681	S.M.CARB	0.1W	5%	680 $\Omega$
R251	ERJ6GMYJ102	S.M.CARB	0.1W	5%	1K $\Omega$
R253	ERJ6GMYJ221	S.M.CARB	0.1W	5%	220 $\Omega$
R255	ERJ6GMYJ472	S.M.CARB	0.1W	5%	4K7 $\Omega$
R256	ERJ6GMYJ471	S.M.CARB	0.1W	5%	470 $\Omega$
R258	ERD25TJ332	CARBON	0.25W	5%	3K3 $\Omega$
R261	ERJ6GMYJ3R3	S.M.CARB	0.1W	5%	3R3 $\Omega$
R262	ERJ6GMYJ182	S.M.CARB	0.1W	5%	1K8 $\Omega$
R263	ERJ6GMYJ102	S.M.CARB	0.1W	5%	1K $\Omega$
R301	ERJ6GMYJ102	S.M.CARB	0.1W	5%	1K $\Omega$
R303	ERJ6GMYJ221	S.M.CARB	0.1W	5%	220 $\Omega$
R304	ERJ6GMYJ181	S.M. CARB	0.1W	5%	180 $\Omega$
R307	ERJ6GMYJ562	S.M.CARB	0.1W	5%	5K6 $\Omega$
R308	ERJ6GMYJ102	S.M.CARB	0.1W	5%	1K $\Omega$
R309	ERJ6GMYJ821	S.M.CARB	0.1W	5%	820 $\Omega$
R311	ERJ6GMYJ102	S.M.CARB	0.1W	5%	1K $\Omega$
R312	ERJ6GMYJ101	S.M.CARB	0.1W	5%	100 $\Omega$
R313	ERJ6GMYJ101	S.M.CARB	0.1W	5%	100 $\Omega$
R314	ERJ6GMYJ101	S.M.CARB	0.1W	5%	100 $\Omega$
R315	ERJ6GMYJ104	S.M.CARB	0.1W	5%	100K $\Omega$
R317	ERJ6GMYJ393	S.M.CARB	0.1W	5%	39K $\Omega$
R318	ERJ6GMYJ913	S.M.CARB	0.1W	5%	91K $\Omega$
R319	ERJ6GMY0R00	S.M. WIRE	LINK		
R355	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 $\Omega$
R401	ERJ6GMYJ334	S.M. CARB	0.1W	5%	330K $\Omega$
R403	ERJ6GMYJ335	S.M.CARB	0.1W	5%	3M3 $\Omega$
R451	ERJ6GMYJ432	S.M.CARB	0.1W	5%	4K3 $\Omega$
R452	ERJ6GMYJ432	S.M.CARB	0.1W	5%	4K3 $\Omega$
R462	ERJ6GMYJ122	S.M.CARB	0.1W	5%	1K2 $\Omega$
R463	ERJ6GMYJ682	S.M.CARB	0.1W	5%	6K8 $\Omega$
R464	ERDS1TJ2R2	CARBON	0.5W	5%	2.2 $\Omega$
R466	ERJ6GMYJ470	S.M.CARB	0.1W	5%	47 $\Omega$
R467	ERJ6GMYJ152	S.M.CARB	0.1W	5%	1K5 $\Omega$
R468	ERJ6GMYJ331	S.M.CARB	0.1W	5%	330 $\Omega$
R469	ERJ6GMY0R00	S.M. WIRE	LINK		
R501	ERJ6GMYJ123	S.M.CARB	0.1W	5%	12K $\Omega$
R503	ERJ6GMYJ824	S.M.CARB	0.1W	5%	820K $\Omega$
R504	ERJ6GMYJ273	S.M.CARB	0.1W	5%	27K $\Omega$
R505	ERJ6GMYJ471	S.M.CARB	0.1W	5%	470 $\Omega$
R506	ERJ6GMYJ562	S.M.CARB	0.1W	5%	5K6 $\Omega$
R508	ERJ6GMYJ102	S.M.CARB	0.1W	5%	1K $\Omega$
R509	ERJ6GMYJ103	S.M.CARB	0.1W	5%	10K $\Omega$
R512	ERJ6GMYJ474	S.M.CARB	0.1W	5%	470K $\Omega$
R513	ERJ6GMYJ333	S.M.CARB	0.1W	5%	33K $\Omega$
R514	ERJ6GMYJ472	S.M.CARB	0.1W	5%	4K7 $\Omega$
R516	ERJ6GMYJ102	S.M.CARB	0.1W	5%	1K $\Omega$
R518	ERD25TJ103	CARBON	0.25W	5%	10K $\Omega$
R519	ERJ6GMYJ272	S.M.CARB	0.1W	5%	2K7 $\Omega$
R521	ERQ12HJ1R5	FUSIBLE	0.5W	5%	1R5 $\Omega$ $\Delta$
R522	ERQ12HJU1R2	METAL	0.5W	5%	1R2 $\Omega$ $\Delta$
R564	ERQ12HJU2R7	METAL	0.5W	5%	2R7 $\Omega$ $\Delta$
R566	ERD25TJ204	CARBON	0.25W	5%	200K $\Omega$
R567	ERJ6GMYJ153	S.M.CARB	0.1W	5%	15K $\Omega$
R568	ERG2SJS121	METAL	2W	5%	120 $\Omega$
R571	ERJ6GMYJ680	S.M.CARB	0.1W	5%	68 $\Omega$
R601	ERJ6GMYJ104	S.M.CARB	0.1W	5%	100K $\Omega$
R608	ERJ6GMYJ332	S.M.CARB	0.1W	5%	3K3 $\Omega$
R616	ERJ6GMYJ473	S.M.CARB	0.1W	5%	47K $\Omega$
R622	ERJ6GMYJ562	S.M.CARB	0.1W	5%	5K6 $\Omega$
R623	ERJ6GMYJ103	S.M.CARB	0.1W	5%	10K $\Omega$
R624	ERJ6GMYJ332	S.M.CARB	0.1W	5%	3K3 $\Omega$
R625	ERJ6GMYJ103	S.M.CARB	0.1W	5%	10K $\Omega$
R805	ERJ6GMYJ561	S.M.CARB	0.1W	5%	560 $\Omega$

Ref No.	Part No.	Description
R809	ERQ12HJU8R2	METAL 0.5W 5% 8R2Ω Δ
R810	ERDS1TJ104	CARBON 0.5W 5% 100KΩ
R811	ERJ6GMYJ332	S.M.CARB 0.1W 5% 3K3Ω
R812	ERQ12HJ220	METAL 0.5W 5% 22Ω Δ
R814	ERJ6GMYJ102	S.M.CARB 0.1W 5% 1KΩ
R816	ERJ6GMYJ473	S.M.CARB 0.1W 5% 47KΩ
R817	ERJ6GMYJ101	S.M.CARB 0.1W 5% 100Ω
R819	ERDS1TJ124	CARBON 0.5W 5% 120KΩ
R823	ERJ6GMYJ472	S.M.CARB 0.1W 5% 4K7Ω
R827	ERJ6GMYJ471	S.M.CARB 0.1W 5% 470Ω
R854	ERJ6GMYJ101	S.M.CARB 0.1W 5% 100Ω
R855	ERJ6GMYJ471	S.M.CARB 0.1W 5% 470Ω
R856	ERJ6GMYJ102	S.M.CARB 0.1W 5% 1KΩ
R858	ERJ6GMYJ182	S.M.CARB 0.1W 5% 1K8Ω
R1151	ERJ6GMY0R00	S.M. WIRE LINK
R1152	ERJ6GMY0R00	S.M. WIRE LINK
R1201	ERJ6GMYJ473	S.M.CARB 0.1W 5% 47KΩ
R1202	ERJ6GMYJ563	S.M.CARB 0.1W 5% 56KΩ
R1203	ERJ6GMYJ100	S.M.CARB 0.1W 5% 10Ω
R1204	ERJ6GMYJ104	S.M.CARB 0.1W 5% 100KΩ
R1205	ERJ6GMYJ333	S.M.CARB 0.1W 5% 33KΩ
R1206	ERJ6GMYJ562	S.M.CARB 0.1W 5% 5K6Ω
R1207	ERJ6GMYJ152	S.M.CARB 0.1W 5% 1K5Ω
R1208	ERJ6GMYJ473	S.M.CARB 0.1W 5% 47KΩ
R1209	ERJ6GMYJ271	S.M.CARB 0.1W 5% 270Ω
R1210	ERJ6GMYJ152	S.M.CARB 0.1W 5% 1K5Ω
R1211	ERJ6GMYJ562	S.M.CARB 0.1W 5% 5K6Ω
R1213	ERJ6GMYJ473	S.M.CARB 0.1W 5% 47KΩ
R1214	ERJ6GMYJ153	S.M.CARB 0.1W 5% 15KΩ
R1215	ERO25CKF9531	METAL 0.25W 1% 9K53Ω Δ
R1220	ERJ6GMY0R00	S.M. WIRE LINK
R1222	ERJ6GMYJ101	S.M.CARB 0.1W 5% 100Ω
R1223	ERJ6GMYJ101	S.M.CARB 0.1W 5% 100Ω
R1224	ERJ6GMYJ101	S.M.CARB 0.1W 5% 100Ω
R1225	ERJ6GMYJ101	S.M.CARB 0.1W 5% 100Ω
R1226	ERJ6GMYJ123	S.M.CARB 0.1W 5% 12KΩ
R1227	ERJ6GMYJ101	S.M.CARB 0.1W 5% 100Ω
R1228	ERJ6GMYJ101	S.M.CARB 0.1W 5% 100Ω
R1229	ERJ6GMYJ103	S.M.CARB 0.1W 5% 10KΩ
R1230	ERJ6GMY0R00	S.M. WIRE LINK
R1231	ERJ6GMYJ101	S.M.CARB 0.1W 5% 100Ω
R1232	ERJ6GMYJ392	S.M.CARB 0.1W 5% 3K9Ω
R1233	ERJ6GMYJ102	S.M.CARB 0.1W 5% 1KΩ
R1234	ERJ6GMYJ101	S.M.CARB 0.1W 5% 100Ω
R1235	ERJ6GMYJ101	S.M.CARB 0.1W 5% 100Ω
R1236	ERJ6GMYJ103	S.M.CARB 0.1W 5% 10KΩ
R1237	ERJ6GMYJ103	S.M.CARB 0.1W 5% 10KΩ
R1238	ERJ6GMYJ104	S.M.CARB 0.1W 5% 100KΩ
R1239	ERJ6GMYJ564	S.M.CARB 0.1W 5% 560KΩ
R1240	ERJ6GMY0R00	S.M. WIRE LINK
R1241	ERJ6GMYJ103	S.M.CARB 0.1W 5% 10KΩ
R1242	ERJ6GMYJ103	S.M.CARB 0.1W 5% 10KΩ
R1243	ERJ6GMYJ752	S.M.CARB 0.1W 5% 7K5Ω
R1244	ERJ6GMYJ103	S.M.CARB 0.1W 5% 10KΩ
R1245	ERJ6GMYJ101	S.M.CARB 0.1W 5% 100Ω
R1246	ERJ6GMYJ122	S.M.CARB 0.1W 5% 1K2Ω
R1247	ERJ6GMY0R00	S.M. WIRE LINK
R1248	ERJ6GMYJ103	S.M.CARB 0.1W 5% 10KΩ
R1249	ERJ6GMY0R00	S.M. WIRE LINK
R1250	ERJ6GMY0R00	S.M. WIRE LINK
R1251	ERJ6GMY0R00	S.M. WIRE LINK
R1252	ERJ6GMYJ822	S.M.CARB 0.1W 5% 8K2Ω
R1253	ERJ6GMYJ471	S.M.CARB 0.1W 5% 470Ω
R1254	ERJ6GMY0R00	S.M. WIRE LINK
R1255	ERJ6GMYJ103	S.M.CARB 0.1W 5% 10KΩ
R1256	ERJ6GMYJ183	S.M.CARB 0.1W 5% 18KΩ
R1257	ERJ6GMYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1258	ERJ6GMYJ822	S.M.CARB 0.1W 5% 8K2Ω
R1259	ERJ6GMYJ562	S.M.CARB 0.1W 5% 5K6Ω

Ref No.	Part No.	Description
R1260	ERJ6GMY0R00	S.M. WIRE LINK
R1261	ERJ6GMYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1262	ERJ6GMYJ123	S.M.CARB 0.1W 5% 12KΩ
R1263	ERJ6GMYJ563	S.M.CARB 0.1W 5% 56KΩ
R1264	ERJ6GMYJ681	S.M.CARB 0.1W 5% 680Ω
R1266	ERJ6GMYJ222	S.M.CARB 0.1W 5% 2K2Ω
R1267	ERJ6GMYJ222	S.M.CARB 0.1W 5% 2K2Ω
R1268	ERJ6GMYJ223	S.M.CARB 0.1W 5% 22KΩ
R1269	ERJ6GMYJ392	S.M.CARB 0.1W 5% 3K9Ω
R1270	ERJ6GMY0R00	S.M. WIRE LINK
R1271	ERJ6GMYJ392	S.M.CARB 0.1W 5% 3K9Ω
R1272	ERJ6GMYJ471	S.M.CARB 0.1W 5% 470Ω
R1273	ERJ6GMYJ473	S.M.CARB 0.1W 5% 47KΩ
R1275	ERJ6GMYJ104	S.M.CARB 0.1W 5% 100KΩ
R1276	ERJ6GMYJ103	S.M.CARB 0.1W 5% 10KΩ
R1277	ERJ6GMYJ103	S.M.CARB 0.1W 5% 10KΩ
R1278	ERJ6GMYJ823	S.M.CARB 0.1W 5% 82KΩ
R1279	ERJ6GMYJ184	S.M.CARB 0.1W 5% 180KΩ
R1280	ERJ6GMYJ123	S.M.CARB 0.1W 5% 12KΩ
R1281	ERJ6GMYJ333	S.M.CARB 0.1W 5% 33KΩ
R1282	ERJ6GMY0R00	S.M. WIRE LINK
R1284	ERJ6GMYJ102	S.M.CARB 0.1W 5% 1KΩ
R1285	ERJ6GMYJ222	S.M.CARB 0.1W 5% 2K2Ω
R1287	ERJ6GMYJ473	S.M.CARB 0.1W 5% 47KΩ
R1288	ERJ6GMYJ563	S.M.CARB 0.1W 5% 56KΩ
R1289	ERJ6GMYJ102	S.M.CARB 0.1W 5% 1KΩ
R1290	ERJ6GMYJ471	S.M.CARB 0.1W 5% 470Ω
R1291	ERJ6GMYJ101	S.M.CARB 0.1W 5% 100Ω
R1292	ERJ6GMYJ103	S.M.CARB 0.1W 5% 10KΩ
R1293	ERJ6GMYJ153	S.M.CARB 0.1W 5% 15KΩ
R1294	ERJ6GMY0R00	S.M. WIRE LINK
R1296	ERJ6GMY0R00	S.M. WIRE LINK
R1297	ERJ6GMY0R00	S.M. WIRE LINK
R1298	ERJ6GMYJ152	S.M.CARB 0.1W 5% 1K5Ω
R1299	ERJ6GMY0R00	S.M. WIRE LINK
R3101	ERJ6GMYJ101	S.M.CARB 0.1W 5% 100Ω
R3102	ERJ6GMYJ750	S.M.CARB 0.1W 5% 75Ω
R3103	ERJ6GMYJ272	S.M.CARB 0.1W 5% 2K7Ω
R3108	ERJ6GMYJ101	S.M.CARB 0.1W 5% 100Ω
R3109	ERJ6GMYJ750	S.M.CARB 0.1W 5% 75Ω
R3112	ERJ6GMYJ750	S.M.CARB 0.1W 5% 75Ω
R3115	ERJ6GMYJ750	S.M.CARB 0.1W 5% 75Ω
R3116	ERJ6GMYJ750	S.M.CARB 0.1W 5% 75Ω
R3118	ERJ6GMYJ103	S.M.CARB 0.1W 5% 10KΩ
R3120	ERJ6GMYJ103	S.M.CARB 0.1W 5% 10KΩ
R3121	ERJ6GMYJ221	S.M.CARB 0.1W 5% 220Ω
R3122	ERJ6GMYJ104	S.M.CARB 0.1W 5% 100KΩ
R3123	ERJ6GMYJ393	S.M.CARB 0.1W 5% 39KΩ
R3124	ERJ6GMYJ562	S.M.CARB 0.1W 5% 5K6Ω
R3125	ERJ6GMYJ562	S.M.CARB 0.1W 5% 5K6Ω
R3126	ERJ6GMYJ273	S.M.CARB 0.1W 5% 27KΩ
R3127	ERJ6GMYJ221	S.M.CARB 0.1W 5% 220Ω
R3128	ERJ6GMYJ221	S.M.CARB 0.1W 5% 220Ω
R3131	ERJ6GMYJ562	S.M.CARB 0.1W 5% 5K6Ω
R3132	ERJ6GMYJ562	S.M.CARB 0.1W 5% 5K6Ω
R3134	ERJ6GMYJ222	S.M.CARB 0.1W 5% 2K2Ω
R3301	ERJ6GMYJ102	S.M.CARB 0.1W 5% 1KΩ
R3302	ERJ6GMYJ331	S.M.CARB 0.1W 5% 330Ω
R3303	ERJ6GMYJ331	S.M.CARB 0.1W 5% 330Ω
R3304	ERJ6GMYJ331	S.M.CARB 0.1W 5% 330Ω
R3305	ERJ6GMY0R00	S.M. WIRE LINK
R3306	ERJ6GMYJ471	S.M.CARB 0.1W 5% 470Ω
R3308	ERJ6GMYJ221	S.M.CARB 0.1W 5% 220Ω
R3309	ERJ6GMYJ223	S.M.CARB 0.1W 5% 22KΩ
R3310	ERJ6GMYJ223	S.M.CARB 0.1W 5% 22KΩ

### FILTERS

X601 TSS116M1 CRYSTAL

**PARTS FOR TC-21S1R/BN ONLY**

Ref No.	Part No.	Description
<b>MISCELLANEOUS COMPONENTS</b>		
1)	A51EAL55X13	C.R.T.     Δ
10)	TNP8EY008AE	Y P.C.B.     Δ
11)	TNP8EE004AU	E P.C.B.     Δ
12)	*****	TX-21S1T MODELS ONLY
14)	TBM8E1417	REAR COVER LABEL
<b>CAPACITORS</b>		
C016	ECEA1CU100	ELECT     16V     10μF
C022	ECEA1HGE330	ELECT     50V     33μF
C026	ECCR1H070J	CERAMIC   50V     7pF
C103	ERJ6GEY0R00	WIRE LINK
C216	ECEA1CU220	ELECT     16V     22μF
C253	ECEA1HFS2R2	S.M. CAP   50V     2.2μF
C255	ECEA1CGE330	ELECT     16V     33μF
C256	222236516224	FILM     160V    220nF
C258	ECEA1EGE222	ELECT     25V    2200μF
C259	ECEA1EU102	ELECT     25V    1000μF
C305	ECQM1H104J	FILM     50V    100nF
C307	ECUV1H102KBX	S.M. CAP   50V     1nF
C351	ECUV1H561KBX	S.M. CAP   50V    560pF
C352	ECUV1H681KBX	CAPACITOR
C353	ECUV1H561KBX	S.M. CAP   50V    560pF
C451	ECUV1H473ZFX	S.M. CAP   50V    47nF
C454	ECQB1H102J	FILM     50V     1nF
C456	ECEA1HN4R7	ELECT     50V    4.7μF
C458	ECQM1H104J	FILM     50V    100nF
C459	ECEA1EU470	ELECT     25V    47μF
C461	ECEA1VGE102	ELECT     35V    1000μF
C507	ECEA1HFS2R2	S.M. CAP   50V     2.2μF
C509	ECEA1AGE471	ELECT     10V    470μF
C511	ECEA1HGE100	ELECT     50V    10μF
C551	ECKC3D102J	CERAMIC   2KV     1nF     Δ
C555	ECQM4333JC	FILM     400V    33nF
C556	ECKC3D122J	CERAMIC   2KV    1200pF   Δ
C557	ECKC3D122J	CERAMIC   2KV    1200pF   Δ
C558	ECWF2H474J	FILM     500V    470nF    Δ
C562	ECEA2EGE100	ELECT     250V    10μF
C565	ECEA2CU2R2	ELECT     160V    2.2μF
C856	ECEA1HGE471	ELECT     50V    470μF
C858	ECEA1EGE100	ELECT     25V    10μF
C859	ECEA1EGE100	ELECT     25V    10μF
C1205	ECEA1EU101	ELECT     25V    100μF
C1226	ECUV1H101JCX	S.M. CAP   50V    100pF
C1228	ECUV1H471JCX	S.M. CAP   50V    470pF
C1238	ECUV1H471JCX	S.M. CAP   50V    470pF
C1239	ECUV1H471JCX	S.M. CAP   50V    470pF
C1248	ECUV1H272KBX	S.M. CAP   50V    2.7nF
C1251	ECUV1H471JCX	S.M. CAP   50V    470pF
C1252	ECEA1HGE010	ELECT     50V     1μF
C1257	ECUV1H471JCX	S.M. CAP   50V    470pF
C1258	ECUV1H471JCX	S.M. CAP   50V    470pF
C1259	ECUV1H471JCX	S.M. CAP   50V    470pF
C1261	ECUV1H471JCX	S.M. CAP   50V    470pF
C1262	ECUV1H471JCX	S.M. CAP   50V    470pF
C3118	ECEA1ESN3R3	ELECT     25V    3R3μF
<b>DIODES</b>		
D305	MA165TA5	DIODE
D801	EMO2BMV0	DIODE
D802	EMO2BMV0	DIODE

Ref No.	Part No.	Description
D803	EMO2BMV0	DIODE
D804	EMO2BMV0	DIODE
D813	PC120FY	DIODE
D817	MA1039MTA	DIODE
D820	TF341M-A-RL	THYRISTOR
D822	PC120FY	DIODE
D855	MA4051	DIODE
D857	MA4200	DIODE
D3102	MTZJ5-1A	DIODE
<b>INTEGRATED CIRCUITS</b>		
IC1204	RPM-637CBRS	RECEIVER
IC1205	ST24C02CB1	I.C.
IC601	TDA8361N4	VIDEO PROCESSOR
<b>COILS</b>		
L301	TLT100K991R	COIL
L307	TLT150K991R	COIL
L351	TLT181K991R	COIL
L352	TLT181K991R	COIL
L353	TLT181K991R	COIL
L552	ELH16F729	COIL
L553	ELH5L429	COIL
<b>TRANSISTORS</b>		
Q351	2SC4714RL2	TRANSISTOR
Q352	2SC4714RL2	TRANSISTOR
Q353	2SC4714RL2	TRANSISTOR
Q851	2SD1273PLB	TRANSISTOR
Q1240	BC847B	TRANSISTOR
<b>RESISTORS</b>		
R011	ERJ6GEY0R00	WIRE LINK
R012	ERJ6GEY0R00	WIRE LINK
R015	ERJ6GEYJ153	S.M.CARB   0.1W     5% 15KΩ
R101	ERJ6GEY0R00	WIRE LINK
R103	ERJ6GEY0R00	WIRE LINK
R107	ERJ6GEYJ681	S.M.CARB   0.1W     5% 680Ω
R108	ERJ6GEYJ562	S.M.CARB   0.1W     5% 5K6Ω
R111	ERJ6GEYJ122	S.M.CARB   0.1W     5% 1K2Ω
R112	ERJ6GEYJ334	S.M.CARB   0.1W     5% 330KΩ
R113	ERJ6GEYJ334	S.M.CARB   0.1W     5% 330KΩ
R114	ERJ6GEYJ472	S.M.CARB   0.1W     5% 4K7Ω
R115	ERJ6GEYJ103	S.M.CARB   0.1W     5% 10KΩ
R116	ERJ6GEYJ183	S.M.CARB   0.1W     5% 18KΩ
R117	ERJ6GMYJ271	S.M.CARB   0.1W     5% 270Ω
R118	ERJ6GEYJ221	S.M.CARB   0.1W     5% 220Ω
R119	ERJ6GEYJ682	S.M.CARB   0.1W     5% 6K8Ω
R123	ERJ6GEYJ152	S.M.CARB   0.1W     5% 1K5Ω
R124	ERJ6GEYJ684	S.M.CARB   0.1W     5% 680KΩ
R204	ERJ6GEYJ182	S.M.CARB   0.1W     5% 1K8Ω
R205	ERJ6GEYJ152	S.M.CARB   0.1W     5% 1K5Ω
R207	ERJ6GEYJ153	S.M.CARB   0.1W     5% 15KΩ
R208	ERJ6GEYJ103	S.M.CARB   0.1W     5% 10KΩ
R209	ERJ6GEYJ102	S.M.CARB   0.1W     5% 1KΩ
R216	ERJ6GEYJ103	S.M.CARB   0.1W     5% 10KΩ
R232	ERJ6GEYJ681	S.M.CARB   0.1W     5% 680Ω
R251	ERJ6GEYJ102	S.M.CARB   0.1W     5% 1KΩ
R253	ERJ6GEYJ221	S.M.CARB   0.1W     5% 220Ω
R255	ERJ6GEYJ332	S.M.CARB   0.1W     5% 3K3Ω

Ref No.	Part No.	Description			
R256	ERJ6GEYJ471	S.M.CARB 0.1W	5%	470Ω	
R257	ERJ6GEYJ561	S.M.CARB 0.1W	5%	560Ω	
R258	ERD25TJ103	CARBON 0.25W	5%	10KΩ	
R261	ERJ6GEYJ3R3	S.M.CARB 0.1W	5%	3R3Ω	
R262	ERJ6GEYJ182	S.M.CARB 0.1W	5%	1K8Ω	
R263	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R301	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R303	ERJ6GEYJ221	S.M.CARB 0.1W	5%	220Ω	
R304	ERJ6GEYJ181	S.M.CARB 0.1W	5%	180Ω	
R307	ERJ6GEYJ562	S.M.CARB 0.1W	5%	5K6Ω	
R308	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R309	ERJ6GEYJ821	S.M.CARB 0.1W	5%	820Ω	
R310	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R311	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R312	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R313	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R314	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R315	ERJ6GEYJ104	S.M.CARB 0.1W	5%	100KΩ	
R317	ERJ6GEYJ393	S.M.CARB 0.1W	5%	39KΩ	
R318	ERJ6GEYJ913	S.M.CARB 0.1W	5%	91KΩ	
R319	ERJ6GEY0R00	WIRE LINK			
R320	ERD25TJ102	CARBON 0.25W	5%	1KΩ	
R355	ERJ6GMYJ271	S.M.CARB 0.1W	5%	270Ω	
R401	ERJ6GEYJ334	S.M.CARB 0.1W	5%	330KΩ	
R403	ERJ6GEYJ335	S.M.CARB 0.1W	5%	3M3Ω	
R451	ERJ6GEYJ432	S.M.CARB 0.1W	5%	4.3KΩ	
R452	ERJ6GEYJ432	S.M.CARB 0.1W	5%	4.3KΩ	
R462	ERJ6GEYJ122	S.M.CARB 0.1W	5%	1K2Ω	
R463	ERJ6GEYJ432	S.M.CARB 0.1W	5%	4.3KΩ	
R464	ERDS1TJ2R2	CARBON 0.5W	5%	2.2Ω	
R466	ERJ6GEYJ470	S.M.CARB 0.1W	5%	47Ω	
R467	ERJ6GEYJ122	S.M.CARB 0.1W	5%	1K2Ω	
R468	ERJ6GEYJ331	S.M.CARB 0.1W	5%	330Ω	
R469	ERJ6GEY0R00	WIRE LINK			
R471	ERD25TJ681	CARBON 0.25W	5%	680Ω	
R501	ERJ6GEYJ123	S.M.CARB 0.1W	5%	12KΩ	
R503	ERJ6GEYJ824	S.M.CARB 0.1W	5%	820KΩ	
R504	ERJ6GEYJ273	S.M.CARB 0.1W	5%	27KΩ	
R505	ERJ6GEYJ471	S.M.CARB 0.1W	5%	470Ω	
R506	ERJ6GEYJ562	S.M.CARB 0.1W	5%	5K6Ω	
R508	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R509	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R512	ERJ6GEYJ474	S.M.CARB 0.1W	5%	470KΩ	
R513	ERJ6GEYJ333	S.M.CARB 0.1W	5%	33KΩ	
R514	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R516	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R518	ERD25TJ682	CARBON 0.25W	5%	6K8Ω	
R519	ERJ6GEYJ104	S.M.CARB 0.1W	5%	100KΩ	
R521	ERQ2CJP8R2	METAL 2W	5%	8R2Ω	△
R522	ERQ12HJ1R2	METAL 0.5W	5%	1R2Ω	△
R564	ERQ12HJ2R2	FUSABLE 0.5W	5%	2R2Ω	△
R566	ERD25TJ224	CARBON 0.25W	5%	220KΩ	
R567	ERJ6GEYJ153	S.M.CARB 0.1W	5%	15KΩ	
R568	ERQ12HJ8R2	METAL 0.5W	5%	8R2Ω	△
R571	ERJ6GEYJ680	S.M.CARB 0.1W	5%	68Ω	
R601	ERJ6GEYJ104	S.M.CARB 0.1W	5%	100KΩ	
R603	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R608	ERJ6GEYJ332	S.M.CARB 0.1W	5%	3K3Ω	
R616	ERJ6GEYJ473	S.M.CARB 0.1W	5%	47KΩ	
R622	ERJ6GEYJ562	S.M.CARB 0.1W	5%	5K6Ω	
R623	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R624	ERJ6GEYJ332	S.M.CARB 0.1W	5%	3K3Ω	
R625	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R805	ERJ6GEYJ561	S.M.CARB 0.1W	5%	560Ω	
R809	TSF19401	FS LINK			△
R810	ERDS1TJ104	CARBON 0.5W	5%	100KΩ	
R811	ERJ6GEYJ332	S.M.CARB 0.1W	5%	3K3Ω	
R812	ERQ12HJ330	METAL 0.5W	5%	33Ω	△
R814	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	

Ref No.	Part No.	Description			
R816	ERJ6GEYJ473	S.M.CARB 0.1W	5%	47KΩ	
R817	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R819	ERDS1TJ124	CARBON 0.5W	5%	120KΩ	
R823	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R824	ERDS1TJ683	CARBON 0.5W	5%	68KΩ	
R825	ERDS1TJ683	CARBON 0.5W	5%	68KΩ	
R826	ERJ6GEYJ473	S.M.CARB 0.1W	5%	47KΩ	
R827	ERJ6GEYJ471	S.M.CARB 0.1W	5%	470Ω	
R854	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R855	ERJ6GEYJ471	S.M.CARB 0.1W	5%	470Ω	
R856	ERJ6GEYJ681	S.M.CARB 0.1W	5%	680Ω	
R858	ERJ6GEYJ182	S.M.CARB 0.1W	5%	1K8Ω	
R1151	ERJ6GEY0R00	WIRE LINK			
R1152	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1201	ERJ6GEYJ473	S.M.CARB 0.1W	5%	47KΩ	
R1202	ERJ6GEYJ683	S.M.CARB 0.1W	5%	68KΩ	
R1203	ERJ6GEYJ100	S.M.CARB 0.1W	5%	10Ω	
R1204	ERJ6GEYJ104	S.M.CARB 0.1W	5%	100KΩ	
R1205	ERJ6GEYJ333	S.M.CARB 0.1W	5%	33KΩ	
R1206	ERJ6GEYJ562	S.M.CARB 0.1W	5%	5K6Ω	
R1207	ERJ6GEYJ152	S.M.CARB 0.1W	5%	1K5Ω	
R1208	ERJ6GEYJ473	S.M.CARB 0.1W	5%	47KΩ	
R1209	ERJ6GMYJ271	S.M.CARB 0.1W	5%	270Ω	
R1210	ERJ6GEYJ152	S.M.CARB 0.1W	5%	1K5Ω	
R1211	ERJ6GEYJ562	S.M.CARB 0.1W	5%	5K6Ω	
R1213	ERJ6GEYJ473	S.M.CARB 0.1W	5%	47KΩ	
R1214	ERJ6GEYJ153	S.M.CARB 0.1W	5%	15KΩ	
R1215	ERO25CKF9531	METAL 0.25W	1%	9K53Ω	△
R1220	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1222	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1223	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1224	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1225	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1226	ERJ6GEYJ123	S.M.CARB 0.1W	5%	12KΩ	
R1227	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1228	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1229	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R1230	ERJ6GEY0R00	WIRE LINK			
R1231	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1232	ERJ6GEYJ392	S.M.CARB 0.1W	5%	3K9Ω	
R1233	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R1234	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1235	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1236	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R1237	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R1238	ERJ6GEYJ104	S.M.CARB 0.1W	5%	100KΩ	
R1239	ERJ6GEYJ564	S.M.CARB 0.1W	5%	560KΩ	
R1240	ERJ6GEY0R00	WIRE LINK			
R1241	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R1242	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R1243	ERJ6GEYJ752	S.M.CARB 0.1W	5%	7K5Ω	
R1244	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R1245	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1246	ERJ6GEYJ122	S.M.CARB 0.1W	5%	1K2Ω	
R1247	ERJ6GEY0R00	WIRE LINK			
R1248	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R1249	ERJ6GEY0R00	WIRE LINK			
R1250	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1251	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1252	ERJ6GEYJ822	S.M.CARB 0.1W	5%	8K2Ω	
R1253	ERJ6GEYJ471	S.M.CARB 0.1W	5%	470Ω	
R1254	ERJ6GEY0R00	WIRE LINK			
R1255	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R1256	ERJ6GEYJ183	S.M.CARB 0.1W	5%	18KΩ	
R1257	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R1258	ERJ6GEYJ822	S.M.CARB 0.1W	5%	8K2Ω	
R1259	ERJ6GEYJ562	S.M.CARB 0.1W	5%	5K6Ω	
R1260	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1261	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	



Ref No.	Part No.	Description
R1262	ERJ6GEYJ123	S.M.CARB 0.1W 5% 12K $\Omega$
R1263	ERJ6GEYJ563	S.M.CARB 0.1W 5% 56K $\Omega$
R1264	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680 $\Omega$
R1266	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2 $\Omega$
R1267	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2 $\Omega$
R1268	ERJ6GEYJ223	S.M.CARB 0.1W 5% 22K $\Omega$
R1269	ERJ6GEYJ392	S.M.CARB 0.1W 5% 3K9 $\Omega$
R1270	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100 $\Omega$
R1271	ERJ6GEYJ392	S.M.CARB 0.1W 5% 3K9 $\Omega$
R1272	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470 $\Omega$
R1273	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47K $\Omega$
R1275	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100K $\Omega$
R1276	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K $\Omega$
R1277	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K $\Omega$
R1278	ERJ6GEYJ823	S.M.CARB 0.1W 5% 82K $\Omega$
R1279	ERJ6GEYJ184	S.M.CARB 0.1W 5% 180K $\Omega$
R1280	ERJ6GEY0R00	WIRE LINK
R1281	ERJ6GEYJ683	S.M.CARB 0.1W 5% 68K $\Omega$
R1282	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100 $\Omega$
R1284	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1K $\Omega$
R1285	ERJ6GEY0R00	WIRE LINK
R1287	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47K $\Omega$
R1288	ERJ6GEYJ334	S.M.CARB 0.1W 5% 330K $\Omega$
R1289	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1K $\Omega$
R1290	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470 $\Omega$
R1291	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100 $\Omega$
R1292	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K $\Omega$
R1293	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15K $\Omega$
R1294	ERJ6GEY0R00	WIRE LINK
R1296	ERJ6GEY0R00	WIRE LINK
R1297	ERJ6GEY0R00	WIRE LINK
R1299	ERJ6GEY0R00	WIRE LINK
R3101	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100 $\Omega$
R3102	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75 $\Omega$
R3103	ERJ6GEYJ272	S.M.CARB 0.1W 5% 2K7 $\Omega$

Ref No.	Part No.	Description
R3108	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100 $\Omega$
R3109	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75 $\Omega$
R3112	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75 $\Omega$
R3115	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75 $\Omega$
R3116	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75 $\Omega$
R3117	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1K $\Omega$
R3118	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100 $\Omega$
R3120	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K $\Omega$
R3121	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220 $\Omega$
R3122	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100K $\Omega$
R3123	ERJ6GEYJ393	S.M.CARB 0.1W 5% 39K $\Omega$
R3124	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6 $\Omega$
R3125	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6 $\Omega$
R3126	ERJ6GEYJ273	S.M.CARB 0.1W 5% 27K $\Omega$
R3127	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220 $\Omega$
R3128	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220 $\Omega$
R3131	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6 $\Omega$
R3132	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6 $\Omega$
R3134	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2 $\Omega$
R3137	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220 $\Omega$
R3301	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680 $\Omega$
R3302	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330 $\Omega$
R3303	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330 $\Omega$
R3304	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330 $\Omega$
R3305	ERJ6GEY0R00	WIRE LINK
R3306	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470 $\Omega$
R3308	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220 $\Omega$
R3309	ERJ6GEYJ223	S.M.CARB 0.1W 5% 22K $\Omega$
R3310	ERJ6GEYJ223	S.M.CARB 0.1W 5% 22K $\Omega$

### FILTERS

X601 TSS116M6 CRYSTAL

### PARTS FOR TC-21S1R/BH ONLY

Ref No.	Part No.	Description
<b>MISCELLANEOUS COMPONENTS</b>		
1)	A51EFS43X191	C.R.T. $\Delta$
10)	TNP8EY008AE	Y P.C.B. $\Delta$
11)	TNP8EE004BA	E P.C.B. $\Delta$
12)	*****	TX-21S1T MODELS ONLY
14)	TBM8E1346-1	REAR COVER LABEL
<b>CAPACITORS</b>		
C016	ECEA1CU100	ELECT 16V 10 $\mu$ F
C022	ECEA1HGE330	ELECT 50V 33 $\mu$ F
C026	ECCR1H070J	CERAMIC 50V 7pF
C103	ERJ6GEY0R00	WIRE LINK
C216	ECEA1CU220	ELECT 16V 22 $\mu$ F
C253	ECEA1HFS2R2	S.M. CAP 50V 2.2 $\mu$ F
C255	ECEA1CGE330	ELECT 16V 33 $\mu$ F
C256	222236516224	FILM 160V 220nF
C258	ECEA1EGE222	ELECT 25V 220 $\mu$ F
C259	ECEA1EU102	ELECT 25V 1000 $\mu$ F
C305	ECQM1H104J	FILM 50V 100nF
C307	ECUV1H102KBX	S.M. CAP 50V 1nF
C351	ECUV1H561KBX	S.M. CAP 50V 560pF
C352	ECUV1H681KBX	CAPACITOR
C353	ECUV1H561KBX	S.M. CAP 50V 560pF
C450	ECUV1H103KBX	S.M. CAP 50V 10nF

Ref No.	Part No.	Description
C451	ECUV1H103KBX	S.M. CAP 50V 10nF
C454	ECQB1H102J	FILM 50V 1nF
C456	ECEA1HN4R7	ELECT 50V 4.7 $\mu$ F
C458	ECEA1CN470	ELECT 16V 47 $\mu$ F
C459	ECEA1EU330	ELECT 25V 33 $\mu$ F
C461	ECEA1VGE102	ELECT 35V 1000 $\mu$ F
C507	ECEA1HFS2R2	S.M. CAP 50V 2.2 $\mu$ F
C509	ECEA1AGE471	ELECT 10V 470 $\mu$ F
C511	ECEA1HGE100	ELECT 50V 10 $\mu$ F
C555	ECQM4333JC	FILM 400V 33nF
C556	ECKC3D152J	CERAMIC 2KV 1.5nF $\Delta$
C557	ECKC3D122J	CERAMIC 2KV 1200pF $\Delta$
C558	ECWF2H474J	FILM 500V 470nF $\Delta$
C562	ECEA2EGE100	ELECT 250V 10 $\mu$ F
C565	ECEA2CU2R2	ELECT 160V 2.2 $\mu$ F
C856	ECEA1HGE471	ELECT 50V 470 $\mu$ F
C858	ECEA1EGE100	ELECT 25V 10 $\mu$ F
C859	ECEA1EGE100	ELECT 25V 10 $\mu$ F
C1205	ECEA1EU101	ELECT 25V 100 $\mu$ F
C1226	ECUV1H101JCX	S.M. CAP 50V 100pF
C1228	ECUV1H471JCX	S.M. CAP 50V 470pF
C1238	ECUV1H471JCX	S.M. CAP 50V 470pF
C1239	ECUV1H471JCX	S.M. CAP 50V 470pF
C1248	ECUV1H272KBX	S.M. CAP 50V 2.7nF
C1251	ECUV1H471JCX	S.M. CAP 50V 470pF
C1252	ECEA1HGE010	ELECT 50V 1 $\mu$ F
1257	ECUV1H471JCX	S.M. CAP 50V 470pF
C1258	ECUV1H471JCX	S.M. CAP 50V 470pF

Ref No.	Part No.	Description	
C1259	ECUV1H471JCX	S.M. CAP	50V 470pF
C1261	ECUV1H471JCX	S.M. CAP	50V 470pF
C1262	ECUV1H471JCX	S.M. CAP	50V 470pF
C3118	ECEA1ESN3R3	ELECT	25V 3R3 $\mu$ F
<b>DIODES</b>			
D305	MA165TA5	DIODE	
D801	EMO2BMV0	DIODE	
D802	EMO2BMV0	DIODE	
D803	EMO2BMV0	DIODE	
D804	EMO2BMV0	DIODE	
D813	PC120FY	DIODE	
D817	MA1039MTA	DIODE	
D820	TF341M-A-RL	THYRISTOR	
D822	PC120FY	DIODE	
D855	MA4051	DIODE	
D857	MA4200	DIODE	
D3102	MTZJ5-1A	DIODE	
<b>INTEGRATED CIRCUITS</b>			
IC1204	RPM-637CBRS	RECEIVER	
IC1205	ST24C02CB1	EEPROM.	
IC601	TDA8361N4	VIDEO PROCESSOR	
<b>COILS</b>			
L301	TLT100K991R	COIL	
L307	TLT150K991R	COIL	
L351	TLT181K991R	COIL	
L352	TLT181K991R	COIL	
L353	TLT181K991R	COIL	
L552	ELH16F784	COIL	
L553	ELH5L401	COIL	
<b>TRANSISTORS</b>			
Q351	2SC4714RL2	TRANSISTOR	
Q352	2SC4714RL2	TRANSISTOR	
Q353	2SC4714RL2	TRANSISTOR	
Q851	2SD1273PLB	TRANSISTOR	
Q1240	BC847B	TRANSISTOR	
<b>RESISTORS</b>			
R011	ERJ6GEY0R00	WIRE LINK	
R012	ERJ6GEY0R00	WIRE LINK	
R015	ERJ6GEYJ153	S.M.CARB	0.1W 5% 15K $\Omega$
R101	ERJ6GEY0R00	WIRE LINK	
R103	ERJ6GEY0R00	WIRE LINK	
R107	ERJ6GEYJ681	S.M.CARB	0.1W 5% 680 $\Omega$
R108	ERJ6GEYJ562	S.M.CARB	0.1W 5% 5K6 $\Omega$
R111	ERJ6GEYJ122	S.M.CARB	0.1W 5% 1K2 $\Omega$
R112	ERJ6GEYJ334	S.M.CARB	0.1W 5% 330K $\Omega$
R113	ERJ6GEYJ334	S.M.CARB	0.1W 5% 330K $\Omega$
R114	ERJ6GEYJ472	S.M.CARB	0.1W 5% 4K7 $\Omega$
R115	ERJ6GEYJ103	S.M.CARB	0.1W 5% 10K $\Omega$
R116	ERJ6GEYJ183	S.M.CARB	0.1W 5% 18K $\Omega$
R117	ERJ6GMYJ271	S.M.CARB	0.1W 5% 270 $\Omega$
R118	ERJ6GEYJ221	S.M.CARB	0.1W 5% 220 $\Omega$
R119	ERJ6GEYJ682	S.M.CARB	0.1W 5% 6K8 $\Omega$
R123	ERJ6GEYJ152	S.M.CARB	0.1W 5% 1K5 $\Omega$
R124	ERJ6GEYJ684	S.M.CARB	0.1W 5% 680K $\Omega$
R204	ERJ6GEYJ182	S.M.CARB	0.1W 5% 1K8 $\Omega$
R205	ERJ6GEYJ152	S.M.CARB	0.1W 5% 1K5 $\Omega$
R207	ERJ6GEYJ153	S.M.CARB	0.1W 5% 15K $\Omega$
R208	ERJ6GEYJ103	S.M.CARB	0.1W 5% 10K $\Omega$
R209	ERJ6GEYJ102	S.M.CARB	0.1W 5% 1K $\Omega$
R216	ERJ6GEYJ103	S.M.CARB	0.1W 5% 10K $\Omega$
R232	ERJ6GEYJ681	S.M.CARB	0.1W 5% 680 $\Omega$
R251	ERJ6GEYJ102	S.M.CARB	0.1W 5% 1K $\Omega$

Ref No.	Part No.	Description	
R253	ERJ6GEYJ221	S.M.CARB	0.1W 5% 220 $\Omega$
R255	ERJ6GEYJ332	S.M.CARB	0.1W 5% 3K3 $\Omega$
R256	ERJ6GEYJ471	S.M.CARB	0.1W 5% 470 $\Omega$
R257	ERJ6GEYJ561	S.M.CARB	0.1W 5% 560 $\Omega$
R258	ERD25TJ103	CARBON	0.25W 5% 10K $\Omega$
R261	ERJ6GEYJ3R3	S.M.CARB	0.1W 5% 3R3 $\Omega$
R262	ERJ6GEYJ182	S.M.CARB	0.1W 5% 1K8 $\Omega$
R263	ERJ6GEYJ102	S.M.CARB	0.1W 5% 1K $\Omega$
R301	ERJ6GEYJ102	S.M.CARB	0.1W 5% 1K $\Omega$
R303	ERJ6GEYJ221	S.M.CARB	0.1W 5% 220 $\Omega$
R304	ERJ6GEYJ181	S.M.CARB	0.1W 5% 180 $\Omega$
R307	ERJ6GEYJ562	S.M.CARB	0.1W 5% 5K6 $\Omega$
R308	ERJ6GEYJ102	S.M.CARB	0.1W 5% 1K $\Omega$
R309	ERJ6GEYJ821	S.M.CARB	0.1W 5% 820 $\Omega$
R310	ERJ6GEYJ101	S.M.CARB	0.1W 5% 100 $\Omega$
R311	ERJ6GEYJ102	S.M.CARB	0.1W 5% 1K $\Omega$
R312	ERJ6GEYJ101	S.M.CARB	0.1W 5% 100 $\Omega$
R313	ERJ6GEYJ101	S.M.CARB	0.1W 5% 100 $\Omega$
R314	ERJ6GEYJ101	S.M.CARB	0.1W 5% 100 $\Omega$
R315	ERJ6GEYJ104	S.M.CARB	0.1W 5% 100K $\Omega$
R317	ERJ6GEYJ393	S.M.CARB	0.1W 5% 39K $\Omega$
R318	ERJ6GEYJ913	S.M.CARB	0.1W 5% 91K $\Omega$
R319	ERJ6GEY0R00	WIRE LINK	
R320	ERD25TJ102	CARBON	0.25W 5% 1K $\Omega$
R355	ERJ6GMYJ271	S.M.CARB	0.1W 5% 270 $\Omega$
R401	ERJ6GEYJ334	S.M.CARB	0.1W 5% 330K $\Omega$
R403	ERJ6GEYJ335	S.M.CARB	0.1W 5% 3M3 $\Omega$
R451	ERJ6GEYJ432	S.M.CARB	0.1W 5% 4.3K $\Omega$
R452	ERJ6GEYJ432	S.M.CARB	0.1W 5% 4.3K $\Omega$
R462	ERJ6GEYJ122	S.M.CARB	0.1W 5% 1K2 $\Omega$
R463	ERJ6GEYJ682	S.M.CARB	0.1W 5% 6K8 $\Omega$
R464	ERDS1TJ1R8	CARBON	0.5W 5% 1R8 $\Omega$
R466	ERJ6GEYJ470	S.M.CARB	0.1W 5% 47 $\Omega$
R467	ERJ6GEYJ152	S.M.CARB	0.1W 5% 1K5 $\Omega$
R468	ERJ6GEYJ331	S.M.CARB	0.1W 5% 330 $\Omega$
R469	ERJ6GEY0R00	WIRE LINK	
R471	ERD25TJ681	CARBON	0.25W 5% 680 $\Omega$
R501	ERJ6GEYJ123	S.M.CARB	0.1W 5% 12K $\Omega$
R503	ERJ6GEYJ824	S.M.CARB	0.1W 5% 820K $\Omega$
R504	ERJ6GEYJ273	S.M.CARB	0.1W 5% 27K $\Omega$
R505	ERJ6GEYJ471	S.M.CARB	0.1W 5% 470 $\Omega$
R506	ERJ6GEYJ562	S.M.CARB	0.1W 5% 5K6 $\Omega$
R508	ERJ6GEYJ102	S.M.CARB	0.1W 5% 1K $\Omega$
R509	ERJ6GEYJ103	S.M.CARB	0.1W 5% 10K $\Omega$
R512	ERJ6GEYJ474	S.M.CARB	0.1W 5% 470K $\Omega$
R513	ERJ6GEYJ333	S.M.CARB	0.1W 5% 33K $\Omega$
R514	ERJ6GEYJ472	S.M.CARB	0.1W 5% 4K7 $\Omega$
R516	ERJ6GEYJ102	S.M.CARB	0.1W 5% 1K $\Omega$
R518	ERD25TJ682	CARBON	0.25W 5% 6K8 $\Omega$
R519	ERJ6GEYJ104	S.M.CARB	0.1W 5% 100K $\Omega$
R521	ERQ2CJP8R2	METAL	2W 5% 8R2 $\Omega$ $\Delta$
R522	ERQ12HJ1R2	METAL	0.5W 5% 1R2 $\Omega$ $\Delta$
R564	ERQ1CJP1R0	RESISTOR	$\Delta$
R566	ERD25TJ224	CARBON	0.25W 5% 220K $\Omega$
R567	ERJ6GEYJ153	S.M.CARB	0.1W 5% 15K $\Omega$
R568	ERQ12HJ8R2	METAL	0.5W 5% 8R2 $\Omega$ $\Delta$
R571	ERJ6GEYJ680	S.M.CARB	0.1W 5% 68 $\Omega$
R601	ERJ6GEYJ104	S.M.CARB	0.1W 5% 100K $\Omega$
R603	ERJ6GEYJ103	S.M.CARB	0.1W 5% 10K $\Omega$
R608	ERJ6GEYJ332	S.M.CARB	0.1W 5% 3K3 $\Omega$
R616	ERJ6GEYJ822	S.M.CARB	0.1W 5% 8K2 $\Omega$
R622	ERJ6GEYJ562	S.M.CARB	0.1W 5% 5K6 $\Omega$
R623	ERJ6GEYJ103	S.M.CARB	0.1W 5% 10K $\Omega$
R624	ERJ6GEYJ332	S.M.CARB	0.1W 5% 3K3 $\Omega$
R625	ERJ6GEYJ103	S.M.CARB	0.1W 5% 10K $\Omega$
R805	ERJ6GEYJ561	S.M.CARB	0.1W 5% 560 $\Omega$
R809	TSF19401	FS LINK	$\Delta$
R810	ERDS1TJ104	CARBON	0.5W 5% 100K $\Omega$
R811	ERJ6GEYJ332	S.M.CARB	0.1W 5% 3K3 $\Omega$
R812	ERQ12HJ330	METAL	0.5W 5% 33 $\Omega$ $\Delta$
R814	ERJ6GEYJ102	S.M.CARB	0.1W 5% 1K $\Omega$

Ref No.	Part No.	Description			
R816	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R817	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R819	ERDS1TJ124	CARBON	0.5W	5%	120KΩ
R823	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R824	ERDS1TJ683	CARBON	0.5W	5%	68KΩ
R825	ERDS1TJ683	CARBON	0.5W	5%	68KΩ
R826	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R827	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R854	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R855	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R856	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680Ω
R858	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8Ω
R1151	ERJ6GEYOR00	WIRE LINK			
R1152	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1201	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R1202	ERJ6GEYJ823	S.M.CARB	0.1W	5%	82KΩ
R1203	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10Ω
R1204	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R1205	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33KΩ
R1206	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6Ω
R1207	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω
R1208	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R1209	ERJ6GMYJ271	S.M.CARB	0.1W	5%	270Ω
R1210	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω
R1211	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6Ω
R1213	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R1214	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ
R1215	ERO25CKF9531	METAL	0.25W	1%	9K53Ω ▲
R1220	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1222	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1223	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1224	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1225	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1226	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KΩ
R1227	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1228	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1229	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1230	ERJ6GEYOR00	WIRE LINK			
R1231	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1232	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9Ω
R1233	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R1234	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1235	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1236	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1237	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1238	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R1239	ERJ6GEYJ564	S.M.CARB	0.1W	5%	560KΩ
R1240	ERJ6GEYOR00	WIRE LINK			
R1241	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1242	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1243	ERJ6GEYJ752	S.M.CARB	0.1W	5%	7K5Ω
R1244	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1245	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1246	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2Ω
R1247	ERJ6GEYOR00	WIRE LINK			
R1248	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1249	ERJ6GEYOR00	WIRE LINK			
R1250	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1251	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1252	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2Ω
R1253	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R1254	ERJ6GEYOR00	WIRE LINK			
R1255	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1256	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18KΩ
R1257	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1258	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2Ω
R1259	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6Ω
R1260	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω

Ref No.	Part No.	Description			
R1261	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1262	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KΩ
R1263	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KΩ
R1264	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680Ω
R1266	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R1267	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R1268	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KΩ
R1269	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9Ω
R1270	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1271	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9Ω
R1272	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R1273	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R1275	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R1276	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1277	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1278	ERJ6GEYJ823	S.M.CARB	0.1W	5%	82KΩ
R1279	ERJ6GEYJ184	S.M.CARB	0.1W	5%	180KΩ
R1280	ERJ6GEYOR00	WIRE LINK			
R1281	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68KΩ
R1282	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1284	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R1285	ERJ6GEYOR00	WIRE LINK			
R1287	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R1288	ERJ6GEYJ334	S.M.CARB	0.1W	5%	330KΩ
R1289	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R1290	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R1291	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1292	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1293	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ
R1294	ERJ6GEYOR00	WIRE LINK			
R1296	ERJ6GEYOR00	WIRE LINK			
R1297	ERJ6GEYOR00	WIRE LINK			
R1299	ERJ6GEYOR00	WIRE LINK			
R3101	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3102	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R3103	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7Ω
R3108	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3109	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R3112	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R3115	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R3116	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R3117	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R3118	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3120	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R3121	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R3122	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R3123	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39KΩ
R3124	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6Ω
R3125	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6Ω
R3126	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27KΩ
R3127	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R3128	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R3131	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6Ω
R3132	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6Ω
R3134	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R3137	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R3301	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680Ω
R3302	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω
R3303	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω
R3304	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω
R3305	ERJ6GEYOR00	WIRE LINK			
R3306	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R3308	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R3309	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KΩ
R3310	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KΩ

### FILTERS

X601 TSS116M6 CRYSTAL

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**PARTS FOR TX-21S1T/B AND TC-21S1R/B CRT'S ONLY**

Ref No.	Part No.	Description
<b>MISCELLANEOUS COMPONENTS</b>		
1)	A51KSV43X13	C.R.T. Δ
10)	TNP8EY008AA	Y P.C.B. Δ
11)	TNP8EE004AB	E P.C.B. TX21SIT ONLY Δ
11)	TNP8EE004AN	E P.C.B. TC21S1R ONLY Δ
<b>CAPACITORS</b>		
C351	ECUV1H471KBX	S.M. CAP 50V 470pF
C352	ECUV1H561KBX	S.M. CAP 50V 560pF
C353	ECUV1H471KBX	S.M. CAP 50V 470pF
C451	ECUV1H153KBX	S.M. CAP 50V 15nF
C458	ECEA1CN470	ELEC 16V 47μF

Ref No.	Part No.	Description
C459	ECEA1E470B	ELEC 25V 47μF Δ
C551	ECKW3D102J	CERAMIC 2KV 1nF Δ
C556	ECKW3D152J	CERAMIC 2KV 1.5nF Δ
<b>COILS</b>		
L352	ELESN181KA	COIL
L353	ELESN181KA	COIL
<b>RESISTORS</b>		
R463	ERJ6GEYJ682	S.M.CARB 0.1W 5% 6K8Ω
R464	ERDS1TJ1R8	CARBON 0.5W 5% 1R8Ω
R467	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R564	ERJ6GEYJ2R2	S.M.CARB 0.1W 5% 2R2Ω

**PARTS FOR TX-21S1T/BH AND TC-21S1R/BH CRT'S ONLY**

Ref No.	Part No.	Description
<b>MISCELLANEOUS COMPONENTS</b>		
1)	A51EFS43X191	C.R.T. Δ
10)	TNP8EY008AE	Y P.C.B. Δ
11)	TNP8EE004BH	E P.C.B. TX21SIT ONLY Δ
11)	TNP8EE004BA	E P.C.B. TC21S1R ONLY Δ
<b>CAPACITORS</b>		
C351	ECUV1H561KBX	S.M. CAP 50V 560pF
C352	ECUV1H681KBX	S.M. CAP 50V 680pF
C353	ECUV1H561KBX	S.M. CAP 50V 560pF
C450	ECUV1H103KBX	S.M. CAP 50V 10nF
	(ADD)	
C451	ECUV1H103KBX	S.M. CAP 50V 10nF
C458	ECEA1CN470	ELEC 16V 47μF

Ref No.	Part No.	Description
C459	ECEA1E330B	ELEC 25V 33μF Δ
C551	ECKW3D102J	CERAMIC 2KV 1nF Δ
	(DELETE)	
C556	ECKW3D152J	CERAMIC 2KV 1.5nF Δ
<b>COILS</b>		
L352	TLT181K991R	COIL
L353	TLT181K991R	COIL
<b>RESISTORS</b>		
R463	ERJ6GEYJ682	S.M.CARB 0.1W 5% 6K8Ω
R464	ERDS1TJ1R8	CARBON 0.5W 5% 1R8Ω
R467	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R564	ERQ1CJP1R0	FUSIBLE 1W 5% 1R0Ω Δ

**PARTS FOR TX-21S1T/BN AND TC-21S1R/BN CRT'S ONLY**

Ref No.	Part No.	Description
<b>MISCELLANEOUS COMPONENTS</b>		
1)	A51EAL55X13	C.R.T. Δ
10)	TNP8EY008AE	Y P.C.B. Δ
11)	TNP8EE004AT	E P.C.B. TX21SIT ONLY Δ
11)	TNP8EE004AU	E P.C.B. TC21S1R ONLY Δ
<b>CAPACITORS</b>		
C351	ECUV1H561KBX	S.M. CAP 50V 560pF
C352	ECUV1H681KBX	S.M. CAP 50V 680pF
C353	ECUV1H561KBX	S.M. CAP 50V 560pF
C451	ECUV1H473KBX	S.M. CAP 50V 10nF
C458	ECQV1H104JL3	S.M. CAP 50V 100nF

Ref No.	Part No.	Description
C459	ECEA1E470B	ELEC 25V 47μF Δ
C551	ECKW3D102J	CERAMIC 2KV 1nF Δ
C556	ECKW3D122J	CERAMIC 2KV 1.2nF Δ
<b>COILS</b>		
L352	TLT181K991R	COIL
L353	TLT181K991R	COIL
<b>RESISTORS</b>		
R463	ERJ6GEYJ432	S.M.CARB 0.1W 5% 4K3Ω
R464	ERDS1TJ2R2	CARBON 0.5W 5% 2R2Ω
R467	ERJ6GEYJ122	S.M.CARB 0.1W 5% 1K2Ω
R564	ERJ6GEYJ2R2	S.M.CARB 0.1W 5% 2R2Ω