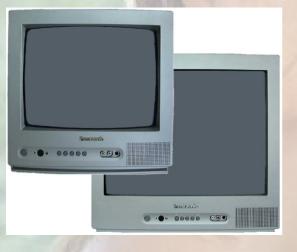


ORDER No. 00-SM-005

Service Manual



Colour Television TX-21JT1P TC-21JR1P **TX-14JT1P** TC-14JR1P

Z7 Chassis

SPECIFICATION

(Information in brackets {} refer to TX-14JT1P,TC-14JR1P)

Power Source:	220-240V a.c., 50Hz	RCA IN	Video 1V p-p 75Ω
Power Consumption:	72W {47W}	RCA IN	Audio 500mV rms $10k\Omega$
Stand-by Power		High Voltage:	26,7kV ±1kV {22,7kV ±1kV}
Consumption:	1,1W	Picture Tube:	A51EAL155X13 51cm
Aerial Impedance:	75 Ω unbalanced, Coaxial Type		{A34EAC01X13 34cm}
Receiving System:	PAL B/G, D/K,PAL-60 SECAM B/G, D/K	Audio Output:	6W (M.P.O.) 3W (R.M.S.) 8Ω Impedance
Receiving Channels:		Headphones:	8Ω Impedance
VHF E2-E12 VHF A-H (ITALY) CATV (S01-S05) CATV S11-S20 (U1-U10)	VHF H1-H2 (ITALY) UHF E21-E69 CATV S1-S10 (M1-M10) CATV S21-S41(HYPERBAND)	Accessories supplied :	Remote Control 2 x R6 (UM3) Batteries
VHF R1-R2 VHF R6-R12	VHF R3-R5	Dimensions: Height: Width:	476mm {352mm} 512mm {371mm}
Intermediate Frequency: Video/Audio		Depth:	470mm {371,5mm}
Video Audio	38,9 MHz 33,4 MHz, 32,4 MHz	Net weight:	20,6kg {9,5kg}
Colour	34,47 MHz(PAL) 34,5 MHz(SECAM) 34,65 MHz(SECAM)		subject to change without notice. sions shown are approximate.
Terminals: AV1 IN	Video (21 pin) 1V p-p 75Ω Audio (21 pin) 500mVrms 10kΩ		ice Manual sho <mark>uld be used</mark> in 27 Technical guide.

RGB (21 pin)

Video (21 pin) 1V p-p 75Ω Audio (21 pin) 500mV rms 1kΩ

Panasonic

AV1 OUT

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SAFETY PRECAUTIONS	
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SAFETY PRECAUTIONS

GENERAL GUIDE LINES

- 1. It is advisable to insert an isolation transformer in the a.c. 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 that have been overheated or damaged by the short circuit.
- 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 a.c. outlet.
- 5. Potentials as high as 27,7kV {23,7kV} 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 tube.
- After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazard.

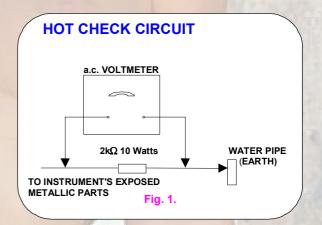
LEAKAGE CURRENT COLD CHECK

- 1. Unplug the a.c. 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 a.c. 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 ohm and 20M ohm. 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 a.c. cord directly into the a.c. outlet. Do not use an isolation transformer for this check.
- Connect a 2kΩ 10W resistor in series with an exposed metallic part on the receiver and an earth, such as a water pipe.
- 3. Use an a.c. voltmeter with high impedance to measure the potential across the resistor.
- 4. Check each exposed metallic part and check the voltage at each point.

- 5. Reverse the a.c. plug at the outlet and repeat each of the above measurements.
- 6. The potential at any point should not exceed 1,4Vrms. 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.



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 27,7kV {23,7kV} without causing X-Radiation.

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

- 1. Set the brightness to minimum.
- Measure the high voltage. The meter should indicate 26,7kV ± 1kV {22,7kV ± 1kV}.

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 any X-Radiation possibility, it is essential to use the specified tube.

SERVICE HINTS

How to remove the rear cover 1. Remove the 5 screws as shown in Fig.2.

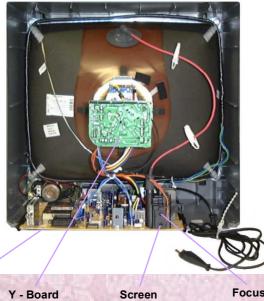


100

100

Screews Fig.2.

LOCATION OF CONTROLS



E - Board Y - Board

Focus

3

Fig.3.

ADJUSTMENT PROCEDURE

Item / Preparat	tion	Adjustr	nents						1.7
+B SET-UP	a start a	Confirm	the follow	wing	voltages.		100		25.0
1. Operate the T	V set, pattern crosshatch.								
2. Set the control	ols :	TPE1	10	±	1V	TPE11	-13,2	±	1V
		TPE2	5,2	±	0,3V		{-13,8	±	1V}
Brightness	Minimum	TPE3	13	±	1V	TPE12	13,2	±	1,5V
			{13,5	±	1V}		{12,8	±	1,5V}
Contrast	Minimum	TPE4	21,5	±	1,5V	TPE13	125	±	1,5V
		17. 14	{20,5	±	1,5V}		{104	±	1,5V}
Volume	Minimum	TPE5	5	±	0,3V	TPE14	7,9	±	1V
		TPE6	9	±	1V	TPE18	8,2	±	1V
		TPE9	30,4	±	2,5V		{8,1	±	1V}
			{31	±	2,5V}	TPE19	31	±	1V
		TPE10	191	±	10V		{30,6	±	1,5V}
			{147	±	10V}				

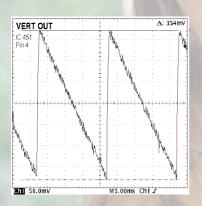
FACTORY SETTINGS

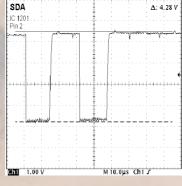
To return customer settings to factory settings and clear owner ID of all information input by the customer, enter Self-Check mode. Press the down (-/v) button on the customer controls at the front of the TV set, at the same time pressing the **STATUS** button + on the remote control. To exit Self Check, switch off the TV set at the power button.

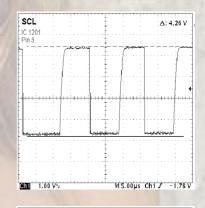
NOTE: Self Check should only be used when refurbishing the TV set and not during normal repair work.

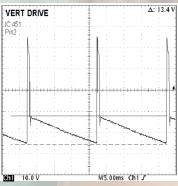
OPTION F7		
 Service Aids To aid in the service of our current chassis there are a number of Service A LUCI interface kit (Linked Utility Computer Interface) Part number: TZS6EZ002 This contains interface and cables for connecting TV service connecto models are introduced upgrade software will become available. VICI (Visual Interactive Computer Information) These C.D.'s contain multimedia documentation providing quick access Part No. TZS7EZ006, TZS7EZ005, TZS8EZ001& TZS9EZ001 Service Manuals Instruction Books Technical Information TASMIN (Technically Advanced System for Multimedia Interactive Not As well as providing a first step towards more interactive training this p 	or and a PC as well as dia as to service information. tes)	gnostic software. As new

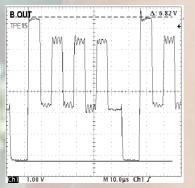
WAVEFORM PATTERN TABLE



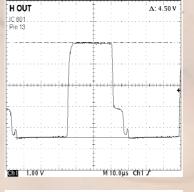


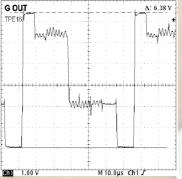


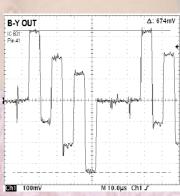


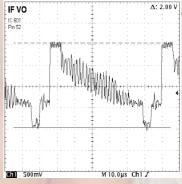


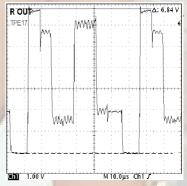












CONDITIONS:

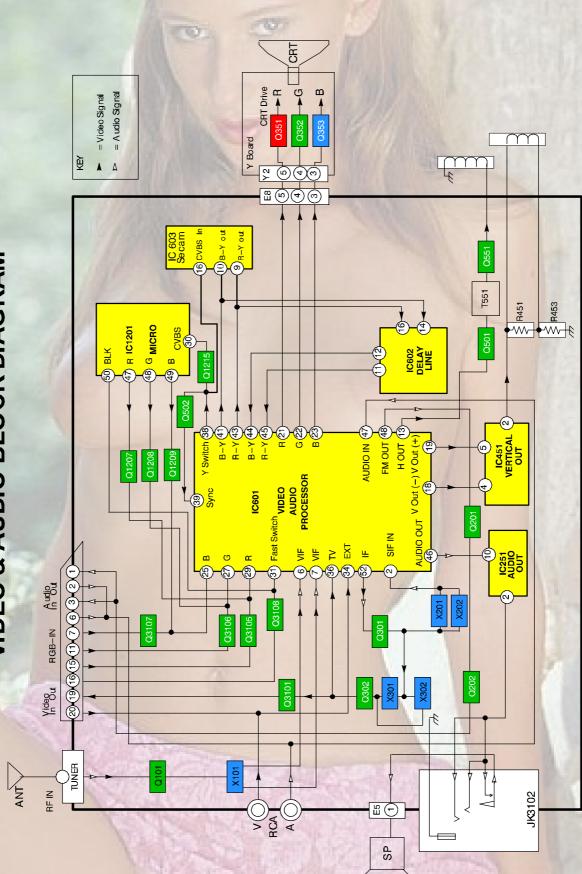
Contrast:	MAX
Brightness:	MID
Colour:	MID
CATS:	OFF
Sharpness:	MID

ALIGNMENT SETTINGS

- 1. Select program position 60 and set the sharpness to minimum.
- 2. Press the **Off Timer** button on the remote control and at the same time press the ∨ (down) button on the customer controls at the front of the TV, this will place the TV into Service Mode.
- 3. Press the Λ / V buttons to step up / down through the functions.
- 4. Press the + / buttons to after the function values.
- 5. Press the STORE button after each adjustment has been made to store the required values.
- 6. To exit Service Mode press the Normalization button.

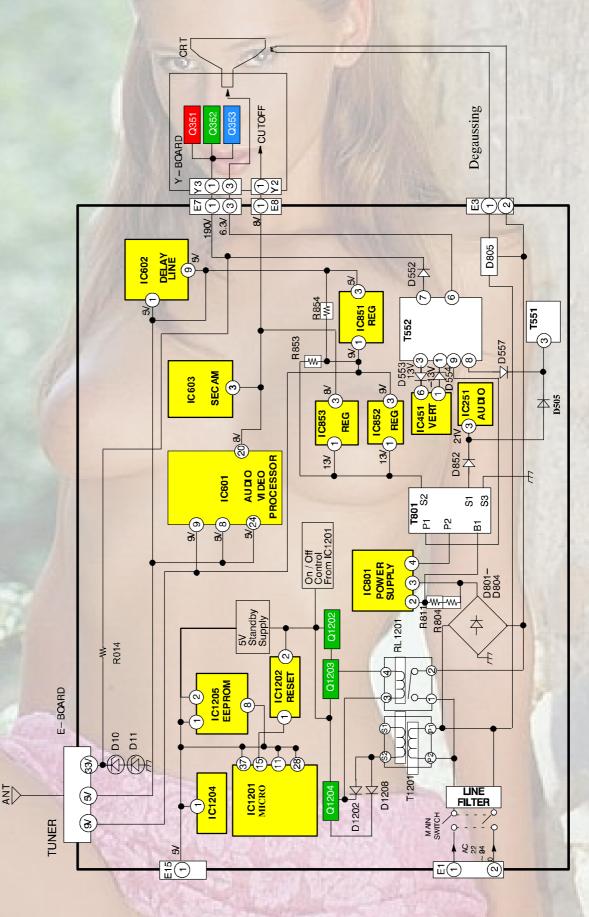
NOTE : The figures used below are nominal and used for representative purposes only.

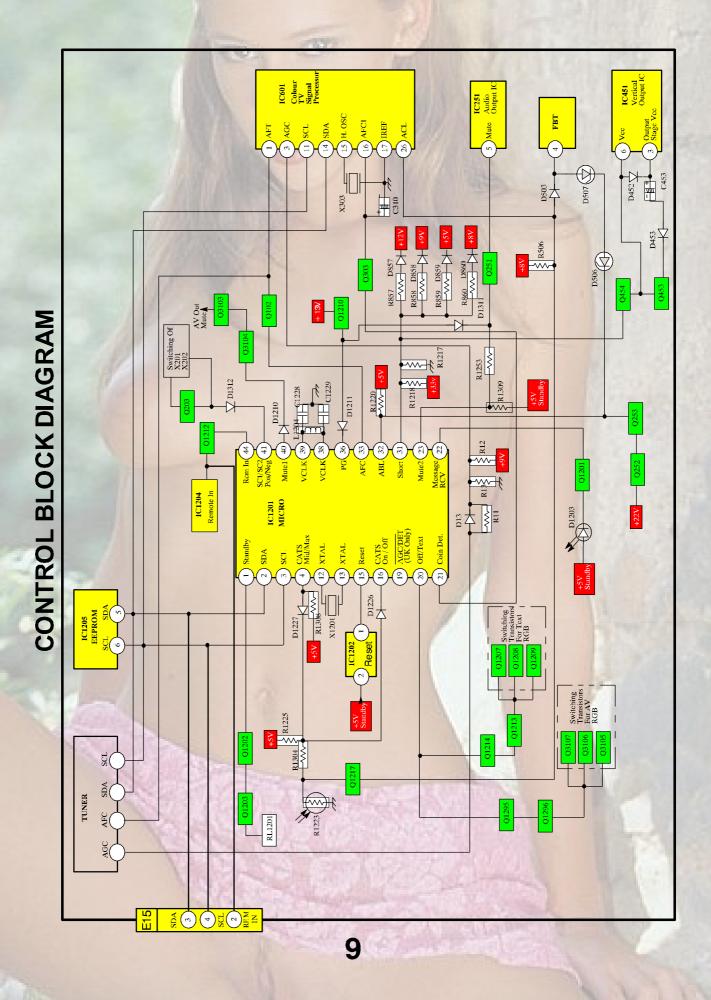
Alignment Function	Setting indication Note: All setting values are approximate	Settings / Special features
1. Vertical amplitude	V-Amp 31	Optimum setting
2. Vertical position	V-Pos 22	Optimum setting
3. Horizontal centre	H-Ctr 07	Optimum setting.
4. Red cutoff	R-Cut 148	Optimum setting.
5. Green cutoff	G-Cut 146	Optimum setting.
6. Blue cutoff	B-Cut 163	Optimum setting.
7. Red drive	R-Drv 37	Optimum setting.
8. Blue drive	B-Drv 25	Optimum setting.
9. AGC	AGC 29	Optimum setting.
10. Sub contrast	S-Con 26	Optimum setting.
11. Sub colour	S-Col 49	Optimum setting.
12. Sub bright	S-Bri 43	Optimum setting.



VIDEO & AUDIO BLOCK DIAGRAM



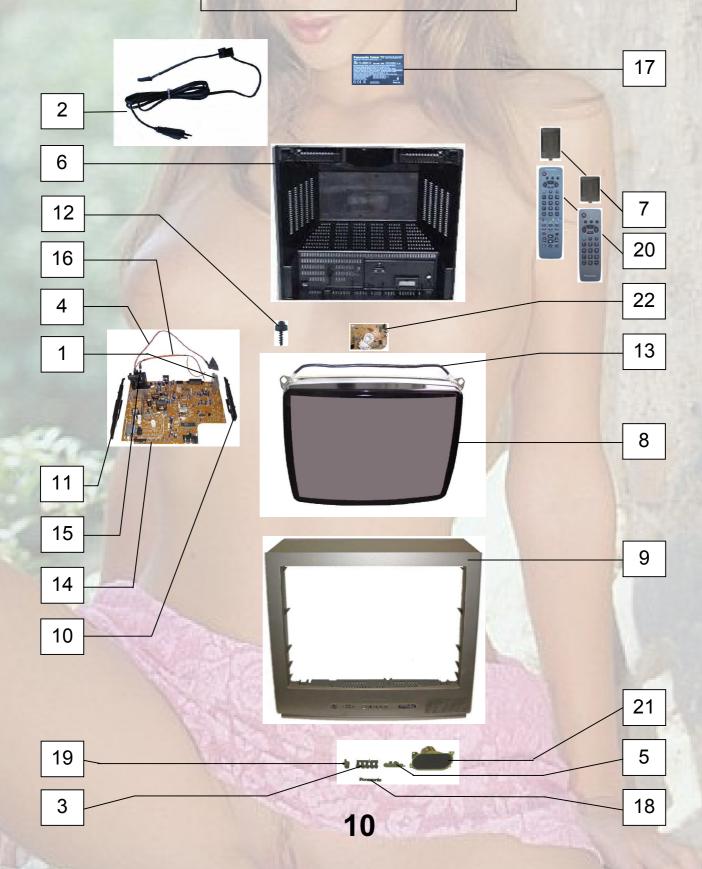




PARTS LOCATION

NOTE:

The numbers on the exploded view below refer to the exploded view section of the Replacement Parts List.



REPLACEMENT PARTS LIST

Important Safety Notice

Components Identified by A mark have special characteristics important for safety. * When replacing any of these components, use only manufacturers specified parts. In case of ordering these spare parts, please always add the complete Model-Type number to your order.

Cct Ref	Parts Number	Description			Cct Ref	Parts Number	Description
					D551	TVSRH2FV1	DIODE
COMM	ON PARTS				D552	RU2AMLFA1	DIODE
					D553	1SR124-4AT82	DIODE
					D554	1SR124-4AT82	DIODE
EXPLOL	DED VIEW				D555	ERA22-02V3	DIODE
1	ENV57D13G3R	TUNER			D556	MA165TA5	DIODE
2	TSX8E0043	POWERCORD	A		D557	1SR124-4AT82	DIODE
					D801	EMO2BMV0	DIODE
					D802	EMO2BMV0	DIODE
					D803	EMO2BMV0	DIODE
MISCEL	LANEOUS COMP	PONENTS			D804	EMO2BMV0	DIODE
					D808	1SR124-4AT82	DIODE
POE3	TMW8E015-2				D809	1SR124-4AT82	DIODE
R1223	P1201	SENSOR			D810	RU3LFA1	DIODE
.C.s					D811	1SR124-4AT82	DIODE
C251	LA4265	AUDIO OUTPUT			D812	R2KNLFA1	DIODE
C451	LA7840	VERTICAL OUTPUT			D814	MA165TA5	DIODE
C601	M52778SP-A	AUDIO VIDEO PROCESSOR			D815	1SR124-4AT82	DIODE
C602	U3666M-MDP	DELAY LINE			D816	1SR124-4AT82	DIODE
C603	TDA8395PN2	SECAM DECODER			D851	TVSRU3AMLFA5	DIODE
C801	STR58041A	POWER SUPPLY			D852	TVSRU2AMV1	DIODE
C851	L78M05MRB	5V REGULATOR			D857	MA165TA5	DIODE
C852	L78M09MRB	9V REGULATOR			D858	MA165TA5	DIODE
C853	AN78M08LB	8V REGULATOR			D859	MA165TA5	DIODE
C1202	MN1280R	RESET			D860	MA165TA5	DIODE
C1204	RPIVI-6937	LED RECEIVER			D861	MA165TA5	DIODE
USES					D1202	1N4150T-77	DIODE
801	19181-3.15	FUSE	A		D1202	SLR56UR3FLF	LED
801-2	EYF52BC	FUSE HOLDER	214		D1205	1N4150T-77	DIODE
-801-1	EYF52BC	FUSE HOLDER			D1207	MTZJT-778.2A	DIODE
	ETFJ2BC	FOSETIOLDER			D1208	1N4150T-77	DIODE
DIODES	1.1.1				D1209	MTZJT-775.1C	DIODE
0010	MA4150	DIODE			D1200	MA165TA5	DIODE
0011	MA4150	DIODE			D1211	MA165TA5	DIODE
0201	MA858TA5	DIODE		_	D1212	MA165TA5	DIODE
)202	MA858TA5	DIODE			D1213	1N4150T-77	DIODE
0304	1SS355TE-17	DIODE			D1214	MA165TA5	DIODE
0306	MTZJT-774.7A	DIODE			D1217	MA165TA5	DIODE
0307	MTZJT-774.7A	DIODE			D1210	MA165TA5	DIODE
0351	MA165TA5	DIODE			D1219 D1220	MA165TA5	DIODE
0352	MA165TA5	DIODE			D1220	MA165TA5	DIODE
0353	MA165TA5	DIODE			D1221 D1222	MA165TA5	DIODE
0354	MA165TA5	DIODE			D1222 D1224	MA165TA5	DIODE
452	ERA15-02V3	DIODE			D1224 D1226	MA700TA5	DIODE
0453	MA165TA5	DIODE			D1220	MA700TA5	DIODE
)454	MA165TA5	DIODE			D1227 D1228	1SS355TE-17	DIODE
0455	MA165TA5	DIODE		100	D1228 D1301	MTZJT-775.1A	DIODE
0503	MA165TA5	DIODE			D1301	MA165TA5	DIODE
0504	MA165TA5	DIODE		1.1.1	D1311 D1312	MA700TA5	DIODE
0505	1SR124-4AT82	DIODE		1.000		MA165TA5	DIODE
0506	MTZJ33B	DIODE		-	D3101		DIODE
D541	MA165TA5	DIODE			TRANSI	SIUKS	
0542	MA165TA5	DIODE			Q101	BF370-126	TRANSISTOR

Out Dut	Dente Manuface	Description	_	Cont Dark	Desta Marshare	Discontinu			
Cct Ref	Parts Number	Description	_	Cct Ref		Description			
Q102	BC847B	TRANSISTOR	-	L1207	TLTACT100K	COIL			
Q201	BC847B	TRANSISTOR	100	L1208	TLTACT100K	COIL			
Q202	BC847B	TRANSISTOR	-	L1209	EXCELSA35T	COIL			
Q203	BC847B	TRANSISTOR		R016	ELJFC6R8KF	COIL			28.25
Q251	BC847B	TRANSISTOR		R017	ELJFC6R8KF	COIL			1000
Q301	BC847B	TRANSISTOR		FILTER	S				NY CON
Q302	BC847B	TRANSISTOR		L801	ELF15N005A	LINE FILTER			1.
Q303	BC847B	TRANSISTOR		X101	K2955-M100	SAW FILTR			
Q354	BC857B	TRANSISTOR	-	X104	EFCV3195T6	CERAMIC FI	TER		1.
Q453	BC847B	TRANSISTOR		X201	EFCS6R5MS5	FILTER			Contraction of the
Q454	BC847B	TRANSISTOR		X201	EFCS5R5MS5	FILTER			1112
Q501	2SD2398-M2	TRANSISTOR	1	X302	EFCS6R5MW3	FILTER			
Q502	BC857B	TRANSISTOR	-	X303	TAFCSB503F6	FILTER			
Q503	BC847B	TRANSISTOR		CRYST		FILIER			6-7CM3
Q504	BC847B	TRANSISTOR							
Q551	BU2506DFRB	TRANSISTOR		X301	EFCWS2F11T	CRYSTAL			1.1
Q801	BC847B	TRANSISTOR		X601	LN-P-01S	CRYSTAL			
Q802	2SD965-R	TRANSISTOR		X1201	CSA18.00MXZ	CRYSTAL			
Q1201	BC847B	TRANSISTOR		RESIST	TORS				
Q1202	BC847B	TRANSISTOR		C016	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
Q1203	BC847B	TRANSISTOR		C605	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
Q1204	2SC1317-TA	TRANSISTOR		JC1	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
Q1205	BC847B	TRANSISTOR		JC7	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
Q1200	BC847B	TRANSISTOR		JC8	ERJ8GEY0R00	S.M.CARB	.125W	5%	0Ω 0Ω
Q1207	BC847B	TRANSISTOR		JC9	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
Q1200	BC847B	TRANSISTOR		JC11	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
Q1210	BC857B	TRANSISTOR		JC12	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
Q1211	BC857B	TRANSISTOR		JC12	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
Q1212	BC847B	TRANSISTOR		JC13	ERJ8GEY0R00	S.M.CARB	.125W	5%	0Ω
Q1212	BC847B	TRANSISTOR		JC20	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
Q1210	2SD965-R	TRANSISTOR		JC20	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
Q1217	BC847B	TRANSISTOR		JC21	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω 0Ω
Q1240	BC857B	TRANSISTOR		JC22 JC23	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
Q1296	BC847B	TRANSISTOR		JC25			.125W	5%	0Ω 0Ω
Q1290	2SC1318-S	TRANSISTOR		JC25	ERJ8GEY0R00	S.M.CARB			
Q3103	2SD1328STX	TRANSISTOR			ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
Q3103	BC857B	TRANSISTOR		JC28	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
Q3104	BC857B	TRANSISTOR		JC31	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
Q3105	BC857B	TRANSISTOR		JC35	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
Q3100	BC857B	TRANSISTOR		JEAK	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
Q3107	BC857B	TRANSISTOR		JEAN	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
	FORMERS	TRANSISTOR		JEJ	ERJ6GEY0R00	S.M.CARB	0.1W	5%	ΩΟ
TRANS	FORMERS			JEP	ERJ6GEY0R00	S.M.CARB	0.1W	5%	ΩΟ
T551	ETH19Z169AZ		▲	JEX	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
T1201	ETP35KAN617U	TRANSFORMER		JEZ	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
COILS				R010	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K Ω
J208	EXCELSA39V	COIL		R011	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
JEY	EXCELDR35V	COIL		R013	2-640463-3	METAL	2W	5%	22K Ω
L010	EXCELSA35T	COIL		R014	ERG2SJS273	METAL	2W	5%	27ΚΩ 🔬
L012	EXCELSA35T	COIL		R018	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
L103	EQV7EN211Q	COIL		R101	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
L105	ELESNR22KA	COIL		R103	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7 Ω
L105	TLTACT6R8K	COIL		R104	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω
L100	TLTACT6R8K	COIL		R105	ERJ6GEYJ220	S.M.CARB	0.1W	5%	22 Ω
L201	TLTACTISOK	COIL		R106	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820 Ω
L201	TLTACTISOK	COIL		R107	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
L202 L301	TLTACT8R2K	COIL		R108	ERJ6GEYJ124	S.M.CARB	0.1W	5%	120K Ω
L303	ELESN100JA	COIL		R109	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
L303	EXCELSA35T	COIL	-	R110	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9 Ω
L401	EXCELSA35T EXCELSA35T	COIL	1.1	R112	ERJ8GEY0R00	S.M.CARB	.125W	5%	0Ω
L803	EXCELOR35V	COIL		R113	ERJ6GEYJ124	S.M.CARB	0.1W	5%	120K Ω
L804	EXCELSA35T	COIL	-	R114	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12K Ω
		COIL		R115	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
L852	EXCELSA35T		1.100	R116	ERJ8GEYJ152	S.M.CARB	.125W	5%	1K5 Ω
L1201	EXCELSA35T	COIL	1.00	R117	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω
L1202 L1203	TLTACT331K TLTACT100K	COIL	-	R202	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
L1203	ERJNA6R8GF	COIL		R203	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2 Ω
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Cct Ref	Parts Number	Description		_		1	Cct Ref	Parts Number	Description		
R205	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω	_	R541	ERJ6GEYJ332	S.M.CARB	0.1W 5%	3K3 Ω
R205 R206	ERJ6GEYJ182	S.M.CARB	0.1W	5%	2K2 Ω 1K8 Ω	-	R601	ERJ6GEYJ123	S.M.CARB	0.1W 5%	12K Ω
R208	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω		R602	ERJ6GEYJ222	S.M.CARB	0.1W 5%	2K2 Ω
R208	ERJ6GEYJ302	S.M.CARB	0.1W	5%	3K Ω		R603	ERJ6GEYJ103	S.M.CARB	0.1W 5%	10K Ω
R209	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8 Ω		R604	ERJ6GEYJ472	S.M.CARB	0.1W 5%	4K7 Ω
R210	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω		R605	ERJ6GEYJ103	S.M.CARB	0.1W 5%	10K Ω
R211	ERJ6GEYJ512	S.M.CARB	0.1W	5%	5K1 Ω		R606	ERJ6GEYJ103	S.M.CARB	0.1W 5%	10K Ω
R212	ERJ6GEYJ512	S.M.CARB	0.1W	5%	5K1 Ω		R607	ERJ6GEYJ475	S.M.CARB	0.1W 5%	4M5 Ω
R213	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	_	R611	ERJ6GEY0R00	S.M.CARB	0.1W 5%	0 Ω
R221	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω		R612	ERJ6GEY0R00	S.M.CARB	0.1W 5%	0 Ω
R226	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω		R613	ERJ6GEYJ395	S.M.CARB	0.1W 5%	3M9 Ω
R227	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	1	R614	2-640463-3	METAL	2W 5%	22K Ω
R251	ERJ6GEYJ3R3	S.M.CARB	0.1W	5%	3R3 Ω	1	R801	ERF5ZK2R7	WOUND	5W 20%	2R7 Ω Δ
R256	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω		R804	ERDS1TJ224T	CARBON	0.5W 5%	220K Ω
R257	ERQ1CJP120	FUSIBLE	1VV	5%	12 Ω 🖄		R805	ERW2PKR33	WOUND	2W 20%	R33 Ω 🖄
R259	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω		R806	ERJ6GEYJ102	S.M.CARB	0.1W 5%	1K Ω
R260	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω		R808	ERG12SJ561P	METAL	0.5W 5%	650 Ω
R261	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω		R809	ERG2ANJP560H	METAL	2W 5%	56Ω 🔬
R301	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω		R810	ERQ12HJ100	FUSIBLE	0.5W 5%	10 Ω 🔬
R302	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω		R811	ERDS1TJ224T	CARBON	0.5W 5%	220Κ Ω
R303	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω		R813	ERJ6GEYJ202	S.M.CARB	0.1W 5%	2K Ω
R304	ERJ6ENF2201	S.M.CARB	0.1W	1%	2K2 Ω		R814	ERD75TAJ825	CARBON	0.75W 5%	8M2Ω 🔬
R309	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω		R819	ERDS1TJ104	CARBON	0.5W 5%	100K Ω
R310	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω		R853	ERG2ANJP270H	METAL	2W 5%	27 Ω
R311	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180 Ω		R857	ERJ6GEYJ102	S.M.CARB	0.1W 5%	1K Ω
R312	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω		R858	ERJ6GEYJ102	S.M.CARB	0.1W 5%	1K Ω
R313	ERQ14AJ470	METAL	0.25W	5%	47 Ω 🖄	-	R859	ERJ6GEYJ102	S.M.CARB	0.1W 5%	1K Ω
R314	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω		R860	ERJ6GEYJ102	S.M.CARB	0.1W 5%	1K Ω
R315	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω		R861	ERJ6GEY0R00	S.M.CARB	0.1W 5%	0 Ω
R316	ERQ14AJ470	METAL	0.25W	5%	47 Ω 🔬		R1201	ERQ1CJP2R2	FUSIBLE	1W 10%	2R2 Ω 🛕
R317	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω		R1202	ERJ6GEYJ562	S.M.CARB	0.1W 5%	5K6 Ω
R318	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω		R1203	ERJ6GEYJ562	S.M.CARB	0.1W 5%	5K6 Ω
R319	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω		R1204	ERJ6GEYJ562	S.M.CARB	0.1W 5%	5K6 Ω
R320	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω		R1205	ERJ6GEYJ562	S.M.CARB	0.1W 5%	5K6 Ω
R323	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10 Ω		R1206	ERJ6GEYJ562	S.M.CARB	0.1W 5%	5K6 Ω
R372	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω		R1208	ERJ6GEYJ101	S.M.CARB	0.1W 5%	100 Ω
R373	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390 Ω		R1211	ERJ6GEYJ101	S.M.CARB	0.1W 5%	100 Ω
R374	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω		R1212	ERJ6GEYJ101	S.M.CARB	0.1W 5%	100 Ω
R401	ERJ6ENF9100	S.M.CARB	0.1W	1%	910 Ω		R1214	ERJ6GEYJ103	S.M.CARB	0.1W 5%	10K Ω
R402	ERJ6ENF8201	S.M.CARB	0.1W	1%	8K2 Ω		R1219	ERJ6GEYJ562	S.M.CARB	0.1W 5%	5K6 Ω
R403	ERJ6ENF6801	S.M.CARB	0.1W	1%	6K8 Ω		R1220	ERJ6GEYJ472	S.M.CARB	0.1W 5%	4K7 Ω
R451	ERDS1TJ331	CARBON	0.5W	5%	330 Ω		R1221 R1222	ERJ6GEYJ271	S.M.CARB	0.1W 5%	270 Ω
R452	ERJ6GEYJ1R0 ERJ6GEYF153V	S.M.CARB	0.1W	5% ==/	1Ω 15K Ω			ERJ6GEYJ330	S.M.CARB	0.1W 5%	33 Ω
R454		S.M.CARB	0.1W	5% 1%	15K Ω		R1224	ERJ6GEYJ683 ERJ6GEYJ433	S.M.CARB	0.1W 5%	68Κ Ω 43Κ Ω
R456	ERO25CKF5601	METAL S.M.CARB		1% =9/	6K1 Ω A		R1225			0.1W 5%	
R457 R458	ERJ6GEYJ103 ERDS2TJ683T	CARBON	0.1W 2W	5% 5%	10K Ω 68K Ω		R1226 R1227	ERJ6GEYJ102 ERJ6GEYJ101	S.M.CARB S.M.CARB	0.1W 5% 0.1W 5%	1K Ω 100 Ω
R459	ERJ6GEYJ332	S.M.CARB	0.1W	5%			R1227	ERJ6GEYJ101	S.M.CARB	0.1W 5%	
R459 R460	ERJ6GEYJ473	S.M.CARB	0.1VV 0.1VV	5%	3K3 Ω 47K Ω		R1220	ERJ6GEYJ101	S.M.CARB	0.1W 5%	100 Ω 100 Ω
R461	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω		R1231	ERJ6GEYJ101	S.M.CARB	0.1W 5%	100 Ω
R462	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω		R1231	ERJ6GEYJ562	S.M.CARB	0.1W 5%	5K6 Ω
R501	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390 Ω		R1232	ERJ6GEYJ562	S.M.CARB	0.1W 5%	5K6 Ω
R502	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680 Ω		R1234	ERJ6GEYJ101	S.M.CARB	0.1W 5%	100 Ω
R503	ERG3SJS101	METAL	3W	5%	10 Ω 🔬		R1235	ERJ6GEYJ152	S.M.CARB	0.1W 5%	1K5 Ω
R504	ERG2ANJP471H	METAL	2W	5%	470 Ω		R1236	2-640463-3	METAL	2W 5%	22K Ω
R505	ERJ6GEYJ433	S.M.CARB	0.1W	5%	43K Ω		R1237	ERJ6GEYJ222	S.M.CARB	0.1W 5%	2K2 Ω
R510	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω		R1237	ERJ6GEYJ101	S.M.CARB	0.1W 5%	100 Ω
R511	ERJ6GEYJ334	S.M.CARB		5%	330K Ω		R1239	ERJ6GEYJ101	S.M.CARB	0.1W 5%	100 Ω
R512	ERJ6GEYJ152	S.M.CARB	0.1W		1K5 Ω		R1240	ERJ6GEYJ101	S.M.CARB	0.1W 5%	100 Ω
R513	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω		R1243	ERJ6GEYJ101	S.M.CARB	0.1W 5%	100 Ω
R514	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5 Ω		R1244	ERJ6GEYJ101	S.M.CARB	0.1W 5%	100 Ω
R515	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	107	R1246	ERD25TJ272F	CARBON	0.25W 5%	2K7 Ω
R516	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27Κ Ω		R1247	ERDS2TJ221T	CARBON	0.5W 5%	220 Ω
R518	ERJ6ENF1302	S.M.CARB	0.1W	1%	13K Ω		R1248	2-640463-3	METAL	2W 5%	22K Ω
R520	ERJ6GEYJ334	S.M.CARB	0.1W	5%	330K Ω		R1249	ERDS1TJ121	CARBON	0.5W 5%	120 Ω
R521	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω		R1250	ERDS1TJ560	CARBON	0.5W 5%	56 Ω
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	Cct Ref	Parts Number	Description					Cct Ref	Parts Number	Description				
	R1253	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K Ω		R3140	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K (
	R1255	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1 Κ Ω	20.00	R3141	2-640463-3	METAL	2W	5%	22K (
	R1257	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω		R3142	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K (Ω
	R1258	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω		R3143	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180 (Ω
	R1259	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1 Κ Ω		CAPACI	TORS					
	R1261	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2 Ω		C010	ECJ2VB1H103K	ELECT	350V		10nF	
	R1263	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2 Ω		C011	ECEA1CU100	ELECT	16V		10µF	
	R1265	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2 Ω		C012	ECJ2VB1H103K	ELECT	350V		10nF	
	R1266	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω		C014	ECUV1H080DCX	S.M. CAP	50V		80pF	
	R1267	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω		C015	ECA1HM330B	ELECT	50V		33µF	100
	R1268	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω		C019	ECJ2VB1H103K	ELECT	350V		10nF	
	R1269	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	1	C022	ECUV1H150JCX	S.M. CAP	50V		15pF	
	R1270	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω		C023	ECUV1H150JCX	S.M. CAP	50V		15pF	
	R1271	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω		C101	ECUV1H820JCX	S.M. CAP	50V		82pF	
	R1272	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω		C102	ECUV1H101JCX	S.M. CAP	50V		100pF	
	R1273	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K Ω		C103	ECJ2VB1H103K	ELECT	350V		10nF	
	R1274	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω		C105	ECJ2VB1H103K	ELECT	350V		10nF	
	R1276	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1ΚΩ		C107	ECA1HMR22GB	ELECT	50V		0.22µF	
	R1279	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω		C108	ECJ2VB1H103K	ELECT	350V		10nF	
	R1280 R1282	ERJ6GEY0R00 ERJ6GEYJ102	S.M.CARB S.M.CARB	0.1W 0.1W	5% 5%	0 Ω 1K Ω		C110	ECA1HM0R1B	ELECT	50V		0R1µF	
	R1282 R1283	ERJ6GEYJ102 ERJ6GEYJ102	S.M.CARB	0.1VV	5% 5%	1K Ω 1K Ω		C111	ECUV1H103KBW	S.M. CAP	50V		10nF	
	R1283 R1284	ERJ6GEYJ102 ERJ6GEYJ102	S.M.CARB	0.1VV 0.1VV	5% 5%	1Κ Ω 1Κ Ω		C113	ECJ2VB1H103K	ELECT	350V		10nF	
	R1284 R1285	ERJ6GEYJ102 ERJ6GEYJ222	S.M.CARB	0.1VV	5%	2K2 Ω		C116	ECJ2YB1H104K	ELECT	350V		100nF	
	R1285	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω		C203	ECUV1H220JCX	S.M. CAP	50V		22pF	
	R1287	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω		C204	ECUV1H220JCX	S.M. CAP	50V		22pF	
	R1288	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω		C207	ECEA1CN100	ELECT	16V		10µF	
	R1289	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω		C208	ECEA1CU100	ELECT	16V		10µF	100
	R1293	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω		C251	ECA1EW471GB	ELECT	25V		470µF	
	R1294	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω		C253 C254	ECA1EHG470B	ELECT	50V 50V		47pF 2.7nF	17
	R1295	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω		C254 C258	ECUV1H272JCX ECA1EHG101B	S.M. CAP ELECT	50V		2./1F 100nF	18
	R1296	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω		C260	ECA1EM102GB	ELECT	25V		100µF	
	R1298	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω		C261	ECUV1H471JCX	S.M. CAP	20V		470pF	
	R1303	ERJ6GEYJ102	S.M.CARB	0.1VV	5%	1K Ω		C301	ECEA1HU101	ELECT	50V		100µF	04
	R1308	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω		C302	ECJ2VF1H104Z	ELECT	350V		100nF	100
	R1309	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω		C304	ECJ2VF1H104Z	ELECT	350V		100nF	
	R1311	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω		C305	ECEA1HU101	ELECT	50V		100µF	100
	R3101	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω		C307	ECEA1HU101	ELECT	50V		100µF	0.1
	R3102	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω		C308	ECUV1H104ZFW	S.M. CAP	50V		100nF	201
	R3103	ERJ6GEYJ564	S.M.CARB	0.1W	5%	560KΩ		C309	ECJ2VB1H103K	ELECT	350V		10nF	
	R3104	ERJ6GEYJ104	S.M.CARB	0.1W	5% 5%	100K Ω		C311	ECJ2VF1H104Z	ELECT	350V		100nF	
	R3105 R3106	ERJ6GEYJ750 ERJ6GEYJ750	S.M.CARB S.M.CARB	0.1W 0.1W	5% 5%	75 Ω 75 Ω		C312	ECJ2VF1H104Z	ELECT	350V		100nF	
1	R3107	ERJ6GEYJ750	S.M.CARB	0.1W		75 Ω		C313	ECJ2VF1H104Z	ELECT	350V		100nF	
	R3108	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω		C314	ECEA1HNR47UB	ELECT	50V		0.47µF	
5	R3109	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω		C315	ECEA1HN2R2UB	ELECT	50V		2.2µF	
	R3110	ERJ6GEYJ222	S.M.CARB	0.1W	5%	220 Ω 2K2 Ω		C316	ECEA1HU101	ELECT	50V		100µF	
	R3111	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω		C317	ECEA1HU101	ELECT	50V		100µF	
	R3114	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω		C318	ECEA1HNR47UB	ELECT	50V		0.47µF	
	R3115	ERDS1TJ750	CARBON	0.5W	5%	75 Ω		C319 C323	ECJ2VF1H104Z ECUV1H680JCX	ELECT S.M. CAP	350V 50V		100nF 68pF	
	R3120	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω		C325	ECKC3D152J	CERAMIC	2KV		1.5nF	Δ
	R3121	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω		C357	ECKC2H152J	CERAMIC	500V		1.5nF	A
	R3122	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8 Ω		C362	ECUV1H102ZFX	S.M. CAP	50V		1nF	
	R3123	ERJ6GEYJ221	S.M.CARB	0.1VV	5%	220 Ω		C368	ECEA2EU010	ELECT	250V		1µF	
	R3124	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω		C370	ECA1CM220GB	ELECT	16V		22µF	
	R3125	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω		C401	ECJ2VB1H223K	ELECT	350V		22nF	
	R3126	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K Ω		C402	ECJ2VB1H472K	ELECT	350V		4.7nF	
	R3127	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω		C404	ECJ2VF1H103Z	ELECT	350V		10nF	
	R3128	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27K Ω		C461	ECUV1H100CCX	S.M. CAP	50V		10pF	
	R3130	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω		C502	ECJ2VB1H223K	ELECT	350V		22nF	
	R3132	ERJ6GEYJ103	S.M.CARB	0.1W	5% 5%	10K Ω	1	C503	ECUV1H391JCX	S.M. CAP	50V		390pF	
	R3133 R3134	2-640463-3 ERJ6GEYJ102	METAL S.M.CARB	2W 0.1W	5%	22K Ω 1K Ω		C504	ECEA1HN010UB	ELECT	50V		1µF	
	R3136	ERJ6GEYJ102	S.M.CARB	0.1W	5%	10K Ω		C505	ECUV1H331JCX	S.M. CAP	50V		330pF	
	R3137	2-640463-3	METAL	2W	5%	22K Ω		C506	ECQM1273KZW	FILM	100V		27nF	
	R3138	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	1996	C507	ECA1HHG100B	ELECT	50V		10µF	
				1			3.0	C541	ECEA1EN4R7UB	ELECT	25V		4.7µF	
						C. M. Martin				A COLUMN TO A COLUMN				

Cct Ref	Parts Number	Description	-			1
C559	ECKC2H471J	CERAMIC	500V	470pF	A	
C560	ECKC2H471J	CERAMIC	500V	470pF	A	
C561	ECEA2EU100	ELECT	250V	10µF		2
C562	ECKC2H471J	CERAMIC	500V	470pF	A	
C566	ECKC2H471J	CERAMIC	500V	470pF	A	
C601	ECJ2YB1H473K	ELECT	350V	47nF		
C602	ECJ2VB1H153K	ELECT	350V	15nF		
C606	ECJ2VF1H104Z	ELECT	350V	100nF		
C607	ECJ2VF1H104Z	ELECT	350V	100nF		
C608	ECUV1H470JCX	S.M. CAP	50V	47pF		
C609	ECUV1H470JCX	S.M. CAP	50V	47pF		
C610	ECEA1HU101	ELECT	50V	100µF		
C611	ECJ2VF1H104Z	ELECT	350V	100nF		
C612	ECJ2VB1H103K	ELECT	350V	10nF		
C613	ECJ2VB1H103K	ELECT	350V	10nF		
C614	ECJ2VF1H104Z	ELECT	350V	100nF		
C616	222236576104	FILM	760V 350V	100nF		
C617 C618	ECJ2VF1H104Z ECEA1HU101	ELECT	350V 50V	100nF 100µF		
C619	ECJ2VB1H103K	ELECT	350V	100µF		
C620	ECJ2VB1H103K	ELECT	350V	10n		
C623	ECUV1H104ZFW	S.M. CAP	50V	100nF		
C624	ECUV1H560JCX	S.M. CAP	50V	56pF		
C625	ECUV1H560JCX	S.M. CAP	50V	56pF		
C626	ECUV1H560JCX	S.M. CAP	50V	56pF		
C627	ECUV1H560JCX	S.M. CAP	50V	56pF		
C628	ECUV1H390JCX	S.M. CAP	50V	39pF		
C630	ECUY1H103JCW	S.M. CAP	50V	10nF		
C803	ECKC2H472J	CERAMIC	500V	4.7nF	\mathbb{A}	
C804	ECKC2H472J	CERAMIC	500V	4.7nF	A	
C805	ECKC2H472J	CERAMIC	500V	4.7nF	A	
C806	ECKC2H472J	CERAMIC	500V	4.7nF	A	
C807	ECOS2GA101BB	ELECT	400V	100µF		
C808	ECQB1H333J	FILM	50V	33nF		
C810	ECA1VM101GB	ELECT	35V	100µF		
C812	ECA2CHG221E	ELECT	160V	220µF		
C817	ECA1VM101GB	ELECT	35V	100µF	۵	
C818 C820	ECKWNA471MB ECKWNA332MEC	CERAMIC CERAMIC	250V 250V	470pF 3.3nF	A	
C854	ECA1HHG471E	ELECT	250V 50V	3.5∩F 470µF	Δ	
C855	ECJ2VF1H104Z	ELECT	350V	100nF		
C856	ECJ2VF1H104Z	ELECT	350V	100nF		
C857	ECEA1HU101	ELECT	50V	100µF		
C858	ECA1AM222B	ELECT	10V	2200µF		
C859	ECJ2VF1H104Z	ELECT	350V	100nF		
C860	ECEA1HU101	ELECT	50V	100µF		
C861	ECA1CM102B	ELECT	16V	1000µF		
C1201	ECA1EM102GB	ELECT	25V	100µF		
C1203	ECA1EM471GB	ELECT	25V	470µF		
C1204	ECUV1H471KBX	S.M. CAP	50V	470pF		
C1205	ECUV1H471KBX	S.M. CAP	50V	470pF		
C1206	ECUV1H471KBX	S.M. CAP	50V	470pF		
C1207	ECUV1H471KBX	S.M. CAP	50V	470pF		
C1208	ECUV1H471KBX	S.M. CAP	50V	470pF		
C1210	ECJ2YB1H473K	ELECT	350V	47nF		
C1219	ECJ2VF1H104Z ECUV1H331JCX	ELECT	350V	100nF		
C1221 C1226	ECUV1H331JCX ECJ2VF1H104Z	S.M. CAP ELECT	50V 350V	330pF 100nF		
C1226	ECEA1HU101	ELECT	350V 50V	100HF		
C1227 C1229	ECUV1H470GCG	S.M. CAP	50V	47pF		
C1223	ECJ2VF1H104Z	ELECT	350V	100nF		
C1234	ECJ2VF1H104Z	ELECT	350V	100nF		
C1241	ECEA1HU101	ELECT	50V	100µF		
C1244	ECEA1CU100	ELECT	16V	10µF		
C1249	ECJ2VF1H104Z	ELECT	350V	100nF		
C1256	ECJ2YB1H104K	ELECT	350V	100nF		
			12.			

Cct Ref	Parts Number	Descriptio	n	
C1257	ECUV1H561JCX	S.M. CAP	50V	560pF
C1258	ECEA1CU100	ELECT	16V	10µF
C1259	ECUV1H150JCX	S.M. CAP	50V	15pF
C1260	ECUV1H560JCX	S.M. CAP	50V	56pF
C1261	ECEA1HU101	ELECT	50V	100µF
C1262	ECUV1H390JCX	S.M. CAP	50V	39pF
C1263	ECUV1H390JCX	S.M. CAP	50V	39pF
C1264	ECUV1H390JCX	S.M. CAP	50V	39pF
C1265	ECUV1H560JCX	S.M. CAP	50V	56pF
C1266	ECEA1CU100	ELECT	16V	10µF
C1268	ECEA1HU101	ELECT	50V	100µF
C3101	ECUV1H101JCX	S.M. CAP	50V	100pF
C3102	ECUV1H561KBX	S.M. CAP	50V	560pF
C3104	ECJ2VB1H102K	ELECT	350V	1nF
C3105	ECUV1H101JCX	S.M. CAP	50V	100pF
C3109	ECUV1H561JCX	S.M. CAP	50V	560pF
C3110	222236516684	FILM	160V	680nF
C3113	ECJ2VB1H103K	ELECT	350V	10nF
C3115	ECEA1CN100	ELECT	16V	10µF
C3117	ECJ2VF1H104Z	ELECT	350V	100nF
C3118	ECEA1CN100	ELECT	16V	10µF
C3119	ECEA1CN100	ELECT	16V	10µF
	ALS AND LINKS			
JK3101	TJB8E011	SCART SO	CKET	
JK3102	TJB16663	A.V. TERM	NAL	
SMLCH	IES			
S801	ESB91232A	SWITCH		1
S1201	EVQ21405R	SWITCH		
S1202	EVQ21405R	SWITCH		
S1203	EVQ21405R	SWITCH		
S1204	EVQ21405R	SWITCH		
S1205	EVQ21405R	SWITCH		
		Overen		
RELAYS				
RELAYS RL1201	TSE1885-1	RELAY		L
RL1201	TSE1885-1		TC14 IR	
RL1201			TC14JR ⁴	
RL1201	TSE1885-1		TC14JR ⁴	
RL1201	TSE1885-1		TC14JR′	
RL1201	TSE1885-1			
RL1201 DIFFEF EXPLO	TSE1885-1 RENCES FOR DED VIEW	MODEL	TON	
RL1201 DIFFEF EXPLOI 3	TSE1885-1 RENCES FOR DED VIEW TBX8E077	MODEL	TON AD	IP /
RL1201 DIFFEF EXPLOR 3 4	TSE1885-1 RENCES FOR DED VIEW TBX8E077 ZTUZAE350B	S-KEY BUT ANODE LE BACK COV	TON AD ER	IP A
RL1201 DIFFEF EXPLOI 3 4 6 7	TSE1885-1 RENCES FOR DED VIEW TBX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2	5-KEY BUT ANODE LE BACK COV BATTERY (TON AD	
RL1201 DIFFEF EXPLOE 3 4 6	TSE1885-1 RENCES FOR DED VIEW TBX8E077 ZTUZAE350B TKU8E00510	S-KEY BUT ANODE LE BACK COV	TON AD ER	IP A
RL1201 DIFFEF EXPLOE 3 4 6 7 8	TSE1885-1 RENCES FOR DED VIEW TBX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2 A34EAC01X13	S-KEY BUT ANODE LE BACK COV BATTERY (C.R.T.	TON AD ER COVER (REIVK	
RL1201 DIFFEF 3 4 6 7 8 9	TSE1885-1 RENCES FOR DED VIEW TBX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2 A34EAC01X13 TKY8E440	S-KEY BUT ANODE LE BACK COV BATTERY (C.R.T. CABINET	TON AD ER COVER (REMC G SCREW	IР Доте)
RL1201 DIFFEF 3 4 6 7 8 9 12 13	TSE1885-1 RENCES FOR DED VIEW TBX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2 A34EAC01X13 TKY8E440 THE492-4 THE492-4 TLK8E05134	S-KEY BUT ANODE LE BACK COV BATTERY (C.R.T. CABINET CRT FIXINC DEGAUSS	TON AD ER COVER (REMC G SCREW	IР (Дарана) (Дара) (Дарана) (Дара) (Дарана) (Дарана) (Дарана) (Дарана) (Да
RL1201 DIFFEF 3 4 6 7 8 9 12 13 14	TSE1885-1 RENCES FOR DED VIEW TBX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2 A34EAC01X13 TKY8E440 THE492-4 THE492-4 TLK8E05134 TNP8EE007DM	S-KEY BUT ANODE LE BACK COV BATTERY (C.R.T. CABINET CRT FIXING	TON AD ER COVER (REMC G SCREW	IР Доте) Д
RL1201 DIFFEF 3 4 6 7 8 9 12 13 14 15	TSE1885-1 RENCES FOR DED VIEW TBX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2 A34EAC01X13 TKY8E440 THE492-4 THE492-4 TLK8E05134	S-KEY BUT ANODE LE BACK COV BATTERY (C.R.T. CABINET CRT FIXINC DEGAUSS E P.C.B. F.B.T.	TON AD ER COVER (REMC G SCREW COIL	IP DTE)
RL1201 DIFFEF 3 4 6 7 8 9 12 13 14 15 16	TSE1885-1 RENCES FOR DED VIEW TBX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2 A34EAC01X13 TKY8E440 THE492-4 THE492-4 TLK8E05134 TNP8EE007DM ZTFM23001A TXFJTF01BTDG	S-KEY BUT ANODE LE BACK COV BATTERY (C.R.T. CABINET CRT FIXINC DEGAUSS E P.C.B. F.B.T. FOCUS LE	TON AD ER COVER (REMC G SCREW COIL	IР Доте) Д
RL1201 DIFFEF 3 4 6 7 8 9 12 13 14 15 16 17	TSE1885-1 RENCES FOR TBX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2 A34EAC01X13 TKY8E440 THE492-4	S-KEY BUT ANODE LE BACK COV BATTERY (C.R.T. CABINET CRT FIXINC DEGAUSS E P.C.B. F.B.T. FOCUS LE MODEL LA	TON AD ER COVER (REMC G SCREW COIL AD ASSY BEL	IP DTE)
RL1201 DIFFEF 3 4 6 7 8 9 12 13 14 15 16 17 18	TSE1885-1 RENCES FOR TBX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2 A34EAC01X13 TKY8E440 THE492-4 T	MODEL S-KEY BUT ANODE LE BACK COV BATTERY (C C.R.T. CABINET CRT FIXINC DEGAUSS E P.C.B. F.B.T. FOCUS LE MODEL LAU PANASONI	TON AD ER COVER (REMC G SCREW COIL AD ASSY BEL C BADGE	IP DTE)
RL1201 DIFFEF 3 4 6 7 8 9 12 13 14 15 16 17 18 19	TSE1885-1 RENCES FOR TBX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2 A34EAC01X13 TKY8E440 THE492-4 T	MODEL S-KEY BUT ANODE LE BACK COV BATTERY (C C.R.T. CABINET CRT FIXINC DEGAUSS E P.C.B. F.B.T. FOCUS LE MODEL LA PANASONI POWER BU	TON AD ER COVER (REW COUE COIL AD ASSY BEL C BADGE JTTON	IP DTE)
RL1201 DIFFEF 3 4 6 7 8 9 12 13 14 15 16 17 18 19 20	TSE1885-1 RENCES FOR TBX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2 A34EAC01X13 TKY8E440 THE492-4 T	MODEL S-KEY BUT ANODE LE BACK COV BATTERY (C C.R.T. CABINET CRT FIXINC DEGAUSS E P.C.B. F.B.T. FOCUS LE MODEL LAU PANASONI POWER BU REMOTE C	TON AD ER COVER (REW COUE COIL AD ASSY BEL C BADGE JTTON	IP DTE)
RL1201 DIFFEF 3 4 6 7 8 9 12 13 14 15 16 17 18 19 20 21	TSE1885-1 ENCES FOR TBX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2 A34EAC01X13 TKY8E440 4 THE492-4 THK48E05134 TNP6EE007DM ZTFM23001A TXFJTF01BTDG TBM8E19273 TBM8E1927 TBM8E1927 TBX8E076 EUR511380 EASG9D556A2	MODEL S-KEY BUT ANODE LE BACK COV BATTERY C C.R.T. CABINET CRT FIXINC DEGAUSS E P.C.B. F.B.T. FOCUS LE MODEL LAI PANASONI POWER BU REMOTE C SPEAKER	TON AD ER COVER (REW COUE COIL AD ASSY BEL C BADGE JTTON	IP
RL1201 DIFFEF 3 4 6 7 8 9 12 13 14 15 16 17 18 19 20 21 22	TSE1885-1 ENCES FOR TBX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2 A34EAC01X13 TKY8E440 UR51CS946-2 A34EAC01X13 TKY8E440 THE492-4 THK492-4 THK492-4 THK492-4 THK48E05134 THF01BTDG TBM8E2073 TBM8E1927 TBM8E1927 TBX8E076 EUR511380 EASG9D556A2 TNP8EY011AG	S-KEY BUT ANODE LE BACK COV BATTERY (C.R.T. CABINET CRT FIXING DEGAUSS E P.C.B. F.B.T. FOCUS LE MODEL LAI PANASONI POWER BU REMOTE C SPEAKER Y.P.C.B.	TON AD ER COVER (REW COUE COIL AD ASSY BEL C BADGE JTTON	IP DTE)
RL1201 DIFFEF 3 4 6 7 8 9 12 13 14 15 16 17 18 19 20 21 22	TSE1885-1 RENCES FOR T BX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2 A34EAC01X13 TKY8E440 THE492-4 TLK8E05134 TNP8EE007DM ZTFM23001A TXFJTF01BTDG TBM8E2073 TBM8E1927 TBX8E076 EUR511380 EASG9D556A2 TNP8EY011AG	MODEL S-KEY BUT ANODE LE BACK COV BATTERY C.R.T. CABINET CRT FIXING DEGAUSS E P.C.B. F.B.T. FOCUS LE MODEL LAU PANASONI POWER BU REMOTE C SPEAKER Y P.C.B.	TON AD ER COVER (REMC G SCREW COIL AD ASSY BEL C BADGE JTTON ONTROL	IP
RL1201 DIFFEF 3 4 6 7 8 9 12 13 14 15 16 17 18 19 20 21 22	TSE1885-1 ENCES FOR TBX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2 A34EAC01X13 TKY8E440 UR51CS946-2 A34EAC01X13 TKY8E440 THE492-4 THK492-4 THK492-4 THK492-4 THK48E05134 THF01BTDG TBM8E2073 TBM8E1927 TBM8E1927 TBX8E076 EUR511380 EASG9D556A2 TNP8EY011AG	MODEL S-KEY BUT ANODE LE BACK COV BATTERY C.R.T. CABINET CRT FIXING DEGAUSS E P.C.B. F.B.T. FOCUS LEA MODEL LAU PANASONI POWER BU REMOTE C SPEAKER Y P.C.B. CONENTS IR WINDOV	TON AD ER COVER (REMC COVER (REMC COL AD ASSY BEL C BADGE JTTON ONTROL	IP
RL1201 DIFFEF 3 4 6 7 8 9 12 13 14 15 16 17 18 19 20 21 22	TSE1885-1 RENCES FOR T BX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2 A34EAC01X13 TKY8E440 THE492-4 TLK8E05134 TNP8EE007DM ZTFM23001A TXFJTF01BTDG TBM8E2073 TBM8E1927 TBX8E076 EUR511380 EASG9D556A2 TNP8EY011AG	MODEL S-KEY BUT ANODE LE BACK COV BATTERY C.R.T. CABINET CRT FIXING DEGAUSS E P.C.B. F.B.T. FOCUS LE MODEL LAU PANASONI POWER BU REMOTE C SPEAKER Y P.C.B. CONENTS IR WINDOW OUTER CA	TON AD ER COVER (REMC COVER (REMC COL AD ASSY BEL C BADGE JTTON ONTROL	IP
RL1201 DIFFEF 3 4 6 7 8 9 12 13 14 15 16 17 18 19 20 21 22	TSE1885-1 RENCES FOR T BX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2 A34EAC01X13 TKY8E440 THE492-4 TLK8E05134 TNP8EE007DM ZTFM23001A TXFJTF01BTDG TBM8E2073 TBM8E1927 TBM8E1927 TBX8E076 EUS511380 EASG9D556A2 TNP8EY011AG LANEOUS COMF TKP8E1315	MODEL S-KEY BUT ANODE LE BACK COV BATTERY C.R.T. CABINET CRT FIXING DEGAUSS E P.C.B. F.B.T. FOCUS LEA MODEL LAU PANASONI POWER BU REMOTE C SPEAKER Y P.C.B. CONENTS IR WINDOV	TON AD ER COVER (REMC COVER (REMC COL AD ASSY BEL C BADGE JTTON ONTROL	IP
RL1201 DIFFEF 3 4 6 7 8 9 12 13 14 15 16 17 18 19 20 21 22	TSE1885-1 RENCES FOR T BX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2 A34EAC01X13 TKY8E440 THE492-4 TLK8E05134 TNP8EE007DM ZTFM23001A TXFJTF01BTDG TBM8E2073 TBM8E1927 TBX8E076 EUR511380 EAG9D556A2 TNP8EY011AG LANEOUS COMF TKP8E1315 TPC8E4865	MODEL S-KEY BUT ANODE LE BACK COV BATTERY C.R.T. CABINET CRT FIXING DEGAUSS E P.C.B. F.B.T. FOCUS LE MODEL LAU PANASONI POWER BU REMOTE C SPEAKER Y P.C.B. CONENTS IR WINDOW OUTER CA	TON AD ER COVER (REW COIL AD ASSY BEL C BADGE JTTON ONTROL V RTON ION	IP
RL1201 DIFFEF 3 4 6 7 8 9 12 13 14 15 16 17 18 19 20 21 22	TSE1885-1 RENCES FOR TBX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2 A34EAC01X13 TKY8E440 THE492-4 TLK8E05134 TNP8EE007DM ZTFM23001A TXFJTF01BTDG TBM8E2073 TBM8E1927 TBX8E076 EUR511380 EASG9D556A2 TNP8EY011AG LANEOUS COMF TKP8E1315 TPC8E4865 TPD8E704	MODEL S-KEY BUT ANODE LE BACK COV BATTERY (C C.R.T. CABINET CRT FIXINC DEGAUSS E P.C.B. F.B.T. FOCUS LE MODEL LAU PANASONI POWER BU REMOTE C SPEAKER Y P.C.B. ONENTS IR WINDOW OUTER CA TOP CUSH BOTTOM C	TON AD ER COVER (REW COIL AD ASSY BEL C BADGE JTTON ONTROL V RTON ION	IP
RL1201 DIFFEF 3 4 6 7 8 9 12 13 14 15 16 17 18 19 20 21 22	TSE1885-1 RENCES FOR TBX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2 A34EAC01X13 TKY8E440 THE492-4 TLK8E05134 TNP8EE007DM ZTFM23001A TXFJTF01BTDG TBM8E2073 TBM8E1927 TBX8E076 EUR511380 EASG9D556A2 TNP8EY011AG LANEOUS COMF TKP8E1315 TPC8E4865 TPD8E704 TPD8E705	MODEL S-KEY BUT ANODE LE BACK COV BATTERY (C C.R.T. CABINET CRT FIXINC DEGAUSS E P.C.B. F.B.T. FOCUS LE MODEL LAU PANASONI POWER BU REMOTE C SPEAKER Y P.C.B. ONENTS IR WINDOW OUTER CA TOP CUSH BOTTOM C	TON AD ER COVER (REM COIL AD ASSY BEL C BADGE JTTON ONTROL V RTON ION USHION E ANTENNA	IP
RL1201 DIFFEF 3 4 6 7 8 9 12 13 14 15 16 17 18 19 20 21 22	TSE1885-1 RENCES FOR TBX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2 A34EAC01X13 TKY8E440 THE492-4 TLK8E05134 TNP6EE007DM ZTFM23001A TXFJTF01BTDG TBM8E1927	MODEL S-KEY BUT ANODE LE BACK COV BATTERY (C.R.T. CABINET CRT FIXINC DEGAUSS E P.C.B. F.B.T. FOCUS LE MODEL LAI PANASONI POWER BU REMOTE C SPEAKER Y P.C.B. ONENTS IR WINDOW OUTER CA TOP CUSH BOTTOM C MONOPOL	Ton AD ER Cover (Reive S Screw Coil AD Assy Bel C BADGE JTTON ONTROL V RTON ION USHION E ANTENNA PACK	IP
RL1201 DIFFEF 3 4 6 7 8 9 12 13 14 15 16 17 18 19 20 21 22 MISCEL	TSE1885-1 RENCES FOR TBX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2 A34EAC01X13 TKY8E440 THE492-4 TLK8E05134 TNP6EE007DM ZTFM23001A TXFJTF01BTDG TBM8E1927	MODEL S-KEY BUT ANODE LE BACK COV BATTERY (C.R.T. CABINET CRT FIXING DEGAUSS E P.C.B. F.B.T. FOCUS LE MODEL LAI PANASONI POWER BU REMOTE C SPEAKER Y P.C.B. ONENTS IR WINDOW OUTER CA TOP CUSH BOTTOM C MONOPOL BATTERY (Ton AD ER Cover (Reive S Screw Coil AD Assy Bel C BADGE JTTON ONTROL V RTON ION USHION E ANTENNA PACK	
RL1201 DIFFEF 3 4 6 7 8 9 12 13 14 15 16 17 18 19 20 21 22 MISCEL	TSE1885-1 RENCES FOR TBX8E077 ZTUZAE350B TKU8E00510 UR51CS946-2 A34EAC01X13 TKY8E440 THE492-4 T	MODEL S-KEY BUT ANODE LE BACK COV BATTERY (C.R.T. CABINET CRT FIXINC DEGAUSS E P.C.B. F.B.T. FOCUS LE MODEL LAI PANASONI POWER BU REMOTE (C SPEAKER Y P.C.B. ONENTS IR WINDOW OUTER CA TOP CUSH BOTTOM (C MONOPOL BATTERY (THERMIST	Ton AD ER Cover (Reive S Screw Coil AD Assy Bel C BADGE JTTON ONTROL V RTON ION USHION E ANTENNA PACK	

[Cct Ref	Parts Number	Description					1
	MOE4	31221212478	FIXCLIP					-
	S351	330660069	CRT SOCKE	T			A	3
	INSTRUC	TION BOOKS					-	1
		TQB8E3007MN	BULGARIAN.				A	
		TQB8E3007PQ	POLISH, HU		1		A	
	100	TQB8E3007RU	CZECH, ENG	SLISH			⚠	
	I.C.s	0045000154						
	IC1201 IC1205	SDA5222V51 X24CSI1-1MPZ	MICRO PRO EAROM	CESSOR				-
	TRANSIS		LANGM					
	Q351	TYMQ0003	TRANSISTO	R				
	Q352	TYMQ0003	TRANSISTO					
	Q353	TYMQ0003	TRANSISTO	R				
	TRANSFO	ORMERS						
	T801	ETS29AK237AC	TRANSFORM	/IER			A	
	FILTERS							
	L802	ELF15N005A	LINE FILTER					
	RESISTO	RS						
	C1230	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω		
	C1245	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω		
	JYA R252	ERJ6GEY0R00 ERJ6GEYJ103	S.M.CARB S.M.CARB	0.1W 0.1W	5% 5%	0 Ω 10K Ω		
	R254	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56 Ω		
	R255	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω		
	R305	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω		
	R306	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω		
	R307 R351	ERJ6GEYJ471 ERG1SJ123E	S.M.CARB METAL	0.1W 1W	5% 5%	470 Ω 12K Ω		
	R352	ERG1SJ123E	METAL	1W	5%	12K Ω		
	R353	ERG1SJ123E	METAL	1W	5%	12K Ω		
	R366	ERJ6GEY <mark>J681</mark>	S.M.CARB	0.1W	5%	680 Ω		
	R367	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680 Ω		
	R368 R369	ERJ6GEYJ681 ERJ6GEYJ682	S.M.CARB S.M.CARB	0.1W 0.1W	5% 5%	680 Ω 6K8 Ω		
	R370	ERJ6GEYJ682	S.M.CARB			6K8 Ω		
	R371	ERJ6GEYJ682	S.M.CARB	0.1W		6K8 Ω		
	R375	ERDS1TJ182	CARBON	0.5W	10%	1K8 Ω		
	R386	ERDS1TJ182	CARBON	0.5W		1K8 Ω		
	R387 R453	ERDS1TJ182 ERDS1TJ1R5	CARBON CARBON	0.5W 0.5W	10% 5%	1K8 Ω 1R5 Ω		
	R506	ERJ6GEYJ753	S.M.CARB	0.3W	5%	75K Ω		
	R508	ERJ6GEYJ753	S.M.CARB	0.1W		75K Ω		
	R519	ERJ6GEYJ754	S.M.CARB	0.1W		750K Ω		
	R522	ERJ6GEYJ394	S.M.CARB	0.1W	5%	390K Ω		
	R542 R543	ERJ6GEYJ242 ERJ6GEYJ682	S.M.CARB S.M.CARB	0.1W 0.1W	5% 5%	2K4 Ω 6K8 Ω		
	R551	ERDS1TJ1R5	CARBON	0.5W	5%	1R5 Ω		
	R552	ERDS1TJ1R5	CARBON	0.5W	5%	1R5 Ω		
	R555	ERQ1CJP1R0	FUSIBLE	1W	5%	1Ω	Δ	
	R557	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω		
	R560 R807	ERDS1TJ304 ERG2ANJP101H	CARBON	0.5W 2W	5% 5%	300K Ω 100 Ω		
	R1215	ERJ6GEY0R00	S.M.CARB	0.1W	5%	Ω 0		
	R1216	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω		
	R1217	ERJ6ENF1202	S.M.CARB	0.1W	1%	1K2 Ω		
	R1218	ERO50PKF6203	METAL	0.5W	1%	620K Ω	A	
	R1230 R1242	ERJ6GEYJ103 ERJ6GEY0R00	S.M.CARB	0.1W 0.1W	5% 5%	10K Ω 0 Ω		
	R1242 R1251	ERJ6GEYJ513	S.M.CARB	0.1W	5%	51K Ω		
	R1252	ERJ6GEYJ562	S.M.CARB	0.1W		5K6 Ω		
	R1275	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω		
	R1291	ERJ6GEYJ432	S.M.CARB	0.1W	5%	4K3 Ω		
	R1304 R1305	ERJ6GEYJ154 ERJ6GEYJ393	S.M.CARB S.M.CARB	0.1W 0.1W	5% 5%	150K Ω 39K Ω		
			ONGRID	0.100	370	35K 12		
1								1000

Cct Ref	Parts Number	Descriptio	n		_
CAPACIT	TORS				
C255	B32529-C224	FILM	50V	220nF	1
C351	ECUV1H151JCX	S.M. CAP	50V	150pF	27
C352	ECUV1H151JCX	S.M. CAP	50V	150pF	
C353	ECUV1H181JCX	S.M. CAP	50V	180pF	
C453	ECEA1HU101	ELECT	50V	100µF	
C454	ECA1HM2R2B	ELECT	50V	2.2µF	
C550	ECA1VM471GB	ELECT	35V	470µF	
C551	ECWH12H822J	FILM	1250V	8.2nF	
C552	ECQE6104K	FILM	600V	100nF	Δ
C554	ECKW3D471JBN	CERAMIC	2kV	470pF	4
C557 C558	ECWF2H474J ECEA2CG010	FILM	500V 160V	470nF	Δ
C563	ECA1VM471GB	ELECT	35V	1μF 470μF	
C565	ECA1CM471B	ELECT	16V	470µF 470µF	
C567	ECA1VM471GB	ELECT	35V	470µF 470µF	
C802	ECQE2A474MWB	FILM	250V	470µ	Δ
C802 C811	ECQE2A474WWB	ELECT	230V 63V	470HF 10µF	
C813	ECQE2A224MWB	FILM	250V	220nF	Δ
C853	ECA1CM102B	ELECT	200V 16V	1000µF	11
C1228	ECUV1H560GCG	S.M. CAP	50V	56pF	1
01220	200711000000		001	oopi	
DIFFER	ENCES FOR	MODEL	TC21JR1	P	
EXPLOD	ED VIEW				
		5-KEY BUT	TON		
3 4	TBX8E072 ZTUZAE450A	ANODE LE			4
4 5	TKK8E043	ANODE LE			Δ
6	TKU8E00490	BACK COVER			
7	UR51CS946-2		COVER (REMC		Δ
8	A51EAL155X13	C.R.T.		/IE)	Δ
9	TKY8E420	CABINET			
10	TMZ8E002	CHASSIS F			
11	TMZ8E001				
12	VP15005-35	CRTFIXIN			
13	TLK8E05143	DEGAUSS			
14	TNP8EE007EA	EP.C.B.	COL		Ā
15	ZTFM23002A	FBT			Ā
16	TXAJTF01BZAG	FOCUS LE	ADASSY		$\overline{\mathbb{A}}$
17	TBM8E2062	MODEL LA	BEL		
18	TBM8E1928	PANASON	C BADGE		
19	TBX8E071	POWER B	UTTON		
20	EUR511380	REMOTE O	CONTROL		
21	EASG12D552A2	SPEAKER			
22	TNP8EY011AH	Y P.C.B.			\mathbb{A}
MISCELI	ANEOUS COMP	ONENTS		1.1	
	TKP8E1291	LIGHT TUE	3E		
	TKP8E1292	IR WINDO			
	TPC8E4864	OUTER CA		1.20	
	TPD8E697	TOP CUSH			
	TPD8E698	BOTTOM			
	UM-3DJ-2P	BATTERY			
D805	232266296706	THERMIST			\mathbb{A}
S351	TJSC00300	CRT SOCK			$\overline{\mathbb{A}}$
INSTRUC	TION BOOKS				
	TQB8E3007MN		N, ROMANIAN	10.17	A
	TQB8E3007PQ		UNGARIAN		
	TQB8E3007RU	CZECH, EN			
I.C.s					
			0000000		
IC1201	SDA5222V51	MICRO PR	OUESSOR		
IC1205	X24CSI1-1NPZ	EAROM			
TRANSIS					
Q351	2SC5147/D-M1	TRANSIST			
Q352	2SC5147/D-M1	TRANSIST	OR		

Cct	Ref	Parts Number	Description]
Q35	3	2SC5147/D-M1	TRANSISTO	R			
Q50	7	BC847B	TRANSISTO	R		1	C
TRA	NSF	ORMERS			0	-	F.
T80	1	ETS29AK227AC	TRANSFORM	/IER		A	
CO	LS						
L55	1	ELH5L4104	COIL				
L55	3	ELH16F713	COIL				
RES	SISTC	RS					
C12	30	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
C12	45	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R25	2	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
R25		ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω	
R25		ERJ6GEYJ181	S.M.CARB	0.1W	5%	180 Ω	
R30		ERJ6GEYJ181	S.M.CARB	0.1W	5%	180 Ω	
R30		ERJ6GEYJ181 ERJ6GEYJ181	S.M.CARB S.M.CARB	0.1W 0.1W	5% 5%	180 Ω 180 Ω	
R35		ERG2ANJP103H	METAL	2W	5%	10K Ω	
R35		ERG2ANJP103H	METAL	2W	5%	10K Ω	
R35	3	ERG2ANJP103H	METAL	2W	5%	10K Ω	
R36	6	ERJ6GEYJ431	S.M.CARB	0.1W	5%	430 Ω	
R36		ERJ6GEYJ431	S.M.CARB	0.1W	5%	430 Ω	
R36		ERJ6GEYJ431	S.M.CARB	0.1W	5%	430 Ω	
R36		ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R37		ERJ6GEYJ472 ERJ6GEYJ472	S.M.CARB	0.1W 0.1W	5% 5%	4Κ7 Ω 4Κ7 Ω	
R37		ERDS1TJ272	CARBON	0.5W	5%	2K7 Ω	
R37		ERD25TJ274	CARBON	0.25W	5%	270K Ω	
R37	9	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K Ω	
R38	0	ERJ6GEYJ684	S.M.CARB	0.1W	5%	680K Ω	
R38		ERDS1TJ272	CARBON	0.5W	5%	2K7 Ω	
R38		ERDS1TJ272	CARBON	0.5W	5%	2K7 Ω	
R45		ERDS1TJ1R0 ERJ6GEYJ153	CARBON S.M.CARB	0.5W 0.1W	5% 5%	1 Ω 15K Ω	
R50		ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K Ω 15K Ω	
R51		ERJ6GEYJ823	S.M.CARB	0.1W	5%	82K Ω	
R52		ERJ6GEYJ684	S.M.CARB	0.1W	5%	680K Ω	
R52	3	ERJ6GEYJ154	S.M.CARB	0.1W	5%	150K Ω	
R52	4	ERJ6GEYJ184	S.M.CARB	0.1W	5%	180K Ω	
R52		ERJ6GEYJ184	S.M.CARB	0.1W	5%	180K Ω	
R54		ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω	
R54 R55		ERJ6GEYJ222 ERQ1CJP102	S.M.CARB FUSIBLE	0.1W 1W	5% 5%	2K2 Ω 1K Ω 🕭	
R55		ERQ1CJP4R7	FUSIBLE	1VV	-	4R7 Ω A	
R55		ERJ6GEYJ103	S.M.CARB	0.1VV	5%	10K Ω	
R56		ERDS1TJ244T	CARBON	0.5W	5%	240K Ω	
R80	7	ERG3FJ101	METAL	З₩	5%	100 Ω 🔬	
R12	15	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R12		ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R12		ERJ6ENF7501	S.M.CARB	0.1W	1%	7K5 Ω	
R12		ERO50PKF5603 ERJ6GEYJ103	METAL S.M.CARB	0.5W 0.1W	1% 5%	560K Ω A 10K Ω	
R12		ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R12		ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R12		ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R12	75	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R12	91	ERJ6GEYJ432	S.M.CARB	0.1W	5%		
R13		ERJ6GEYJ184	S.M.CARB	0.1W	5%	180K Ω	
R13		ERJ6GEYJ472	S.M.CARB	0.1VV	5%	4K7 Ω	
	PACIT						
C25		ECQV1H104JL3	FILM	50V		0.1µF	
C35		ECUV1H221JCX	S.M. CAP	50V		220pF	
C35		ECUV1H271JCX	S.M. CAP	50V		270pF	
C35		ECUV1H221JCX ECA1HMR47B	S.M. CAP ELECT	50V 50V	144	220pF 470nF	
C45		ECA1HHG101B	ELECT	50V		100µF	
						10.13	1

Cct Ref	Parts Number	Description	1		
C454	ECA1HHG2R2B	ELECT	50V	100µF	
C508	ECUV1H102JCX	S.M. CAP	50V	1nF	
C550	ECA1CM471B	ELECT	16V	470µF	
C551	ECWH12H103JR	FILM	1250V	10nF	\mathbb{A}
C552	ECQF4273JZH	FILM	400V	27nF	\land
C555	ECKC3D152J	CERAMIC	2KV	1.5nF	\land
C557	ECWF2H394JZ	FILM	500V	390nF	\land
C558	ECA2CM4R7B	ELECT	160V	390nF	
C563	ECA1CM471B	ELECT	16V	470µF	
C565	ECA1VIVI471GB	ELECT	35V	470µF	
C567	ECA1VHG471B	ELECT	35V	47µF	
C802	222233591028	FILM	250V	28nF	\land
C811	ECA1JHG100B	ELECT	6.3V	100µF	
C853	ECA1EM102GB	ELECT	25V	100µF	
C1228	ECUV1H470GCG	S.M. CAP	50V	47pF	

DIFFERENCES FOR MODEL TX--14JT1P

EXPLODED VIEW 3 TBX8E077

	3	TBX8E077	5-KEY BUTTON		
	4	ZTUZAE350B	ANODE LEAD		A
	6	TKU8E00510	BACKCOVER		⚠
	7	UR51EC924	BATTERY COVER (REMOTE	.)	
	8	A34EAC01X13	C.R.T.		\mathbb{A}
	9	TKY8E440	CABINET		
	12	THE492-4	CRT FIXING SCREW		
	13	TLK8E05134	DEGAUSS COIL		⚠
	14	TNP8EE007DZ	E P.C.B.		A
	15	ZTFM23001A	F.B.T.		≜
	16	TXFJTF01BTDG	FOCUS LEAD ASSY		⚠
	17	TBM8E2072	MODEL LABEL		
	18	TBM8E1927	PANASONIC BADGE		
	19	TBX8E076	POWER BUTTON		
	20	EUR511300	REMOTE CONTROL		
	21	EASG9D556A2	SPEAKER		
	22	TNP8EY011AG	Y P.C.B.		A
	MISCEL	LANEOUS COMP	ONENTS		
	0	TKP8E1315	IR WINDOW		
	0	TPC8E4861	OUTER CARTON		
	0	TPD8E704	TOP CUSHION		
	0	TPD8E705	BOTTOM CUSHION		
	0	TSA120026	MONOPOLE ANTENNA		
	0	UM-3DJ-2P	BATTERY PACK		
	D805	59122T80B110	THERMISTOR		\mathbb{A}
	S351	0330660069	CRT SOCKET		A
	INSTRUC	CTION BOOKS			
	0	TQB8E2997MN	BULGARIAN, ROMANIAN		A
	0	TQB8E2997PQ	POLISH, HUNGARIAN		\mathbb{A}
	0	TOB8E2997RU	CZECH, ENGLISH		A
	I.C.s	TQLOL2001110	OZEON, ENGLISH		<u> /!\</u>
	IC1201	SDA5254V41	MICRO PROCESSOR		
	IC1205	X24CSI1-1MPZ	EAROM		
	DIODES	1			
	D1225	1SS133T-77	DIODE		
	TRANSIS	STORS	1. S. B.		
	Q351	TYMQ0003	TRANSISTOR		
	Q352	TYMQ0003	TRANSISTOR		
ŀ	Q353	TYMQ0003	TRANSISTOR		
	Q1214	BC857B	TRANSISTOR		
	Q1215	BC857B	TRANSISTOR		
	Q1216	BC847B	TRANSISTOR		
	TRANSF	ORMERS			
l	T801	ETS29AK237AC	TRANSFORMER		A
			1212223		

	Cct Ref	Parts Number	Description				
	COILS					-	
	L1206	EXCELSA35T	COIL	S. Lawre		1	0
	FILTERS		001L		ю.	-	
	L802	ELF15N005A	LINE FILTER				
	RESISTC						
						1	
	JC24	ERJ8GEY0R00		.125W	5%	ΩΟ	
	JYA	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
	R252	ERJ6GEYJ103	S.M.CARB S.M.CARB	0.1W	5%	10K Ω 56 Ω	
	R254 R255	ERJ6GEYJ560 ERJ6GEYJ271	S.M.CARB	0.1W	5% 5%	270 Ω	
	R305	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω	
	R306	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω	
	R307	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω	
	R351	ERG1SJ123E	METAL	1W	5%	12K Ω	
	R352	ERG1SJ123E	METAL	1W	5%	12K Ω	
	R353	ERG1SJ123E	METAL	1W	5%	12K Ω	
	R366	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680 Ω	
	R367	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680 Ω	
	R368	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680 Ω	
	R369	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω	
	R370	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω	
	R371	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω	
	R375	ERDS1TJ182	CARBON	0.5W	10%	1K8 Ω	
	R386 R387	ERDS1TJ182 ERDS1TJ182	CARBON CARBON	0.5W 0.5W	10% 10%	1K8 Ω 1K8 Ω	
	R453	ERDS1TJ182 ERDS1TJ1R5	CARBON	0.5W	10% 5%	1R5 Ω	
	R506	ERJ6GEYJ753	S.M.CARB	0.1W	5%	75K Ω	
	R508	ERJ6GEYJ753	S.M.CARB	0.1W	5%	75K Ω	
	R519	ERJ6GEYJ754	S.M.CARB	0.1W	5%	750K Ω	
	R522	ERJ6GEYJ394	S.M.CARB	0.1W	5%	390K Ω	
	R542	ERJ6GEYJ242	S.M.CARB	0.1W	5%	2K4 Ω	
	R543	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω	
	R551	ERDS1TJ1R5	CARBON	0.5W	5%	1R5 Ω	
	R552	ERDS1TJ1R5	CARBON	0.5W	5%	1R5 Ω	
	R555	ERQ1CJP1R0	FUSIBLE	1W	5%	1Ω 🛆	
	R557	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
	R560	ERDS1TJ304	CARBON	0.5W	5%	300K Ω	
	R807 R1213	ERG2ANJP101H	METAL	2W 0.1W	5% 5%	100 Ω 1K2 Ω	
1	R1215	ERJ6GEYJ122 ERJ6GEYJ682	S.M.CARB S.M.CARB	0.1W	5%	6K8 Ω	
	R1215	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω	
	R1210	ERJ6ENF1202	S.M.CARB	0.1W	1%	1K2 Ω	
	R1218	ERO50PKF6203	METAL	0.5W	1%	620K Ω A	
	R1230	ERJ6GEYJ823	S.M.CARB	0.1W	5%	82K Ω	
	R1241	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω	
	R1242	ERJ6GEYJ434	S.M.CARB	0.1W	5%	43K Ω	
	R1251	ERJ6GEYJ513	S.M.CARB	0.1W	5%	51K Ω	
	R1252	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
	R1256	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2 Ω	
	R1275	ERJ6GEYJ225	S.M.CARB	0.1W	5%	2M2 Ω	
	R1277	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
	R1278	ERJ6GEYJ182 ERJ6GEYJ103	S.M.CARB	0.1W	5%	1K8 Ω 10K Ω	
	R1290 R1291	ERJ6GEYJ103 ERJ6GEYJ682	S.M.CARB S.M.CARB	0.1W 0.1W	5% 5%	10Κ Ω 6K8 Ω	
	R1291 R1292	ERJ6GEYJ682 ERJ6GEYJ103	S.M.CARB	0.1W	5% 5%	6K8 Ω 10K Ω	
	R1292	ERJ6GEYJ154	S.M.CARB	0.1W	5%	150K Ω	
	R1305	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K Ω	
	R1306	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
	R1307	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8 Ω	
	CAPACIT	ORS				100	
	C255	B32529-C224	FILM	50V		220nF	
	C351	ECUV1H151JCX	S.M. CAP	50V		150pF	
	C352	ECUV1H151JCX	S.M. CAP	50V		150pF	10
	C353	ECUV1H181JCX	S.M. CAP	50V	Contraction of the local division of the loc	180pF	
	C453	ECEA1HU101	ELECT	50V		100µF	
				12		Contract.	

Cct Ref	Parts Number	Description		
C454	ECA1HM2R2B	ELECT 50V	2.2µF	
C550	ECA1VM471GB	ELECT 35V	470µF	
C551	ECWH12H822J	FILM 1250V	8.2nF	
C552	ECQE6104K	FILM 600V	100nF	A
C554	ECKW3D471JBN	CERAMIC 2kV	470pF	
C557	ECWF2H474J	FILM 500V	470nF	A
C558	ECEA2CG010	ELECT 160V	1µF	
C563	ECA1VIVI471GB	ELECT 35V	470µF	
C565	ECA1CM471B	ELECT 16V	470µF	
C567	ECA1VM471GB	ELECT 35V	470µF	
C802	ECQE2A474MWB	FILM 250V	470nF	A
C811	ECA1JM100GB	ELECT 63V	10µF	
C813	ECQE2A224MWB	FILM 250V	220nF	\mathbb{A}
C853	ECA1CM102B	ELECT 16V	1000µF	
C1228	ECUV1H560GCG	S.M. CAP 50V	56pF	
C1230	ECJ2VB1H333K	ELECT 350V	33nF	
C1231	222236516154	FILM 160V	150nF	
C1245	ECJ2VB1H333K	ELECT 350V	33nF	
C1251	ECQV1H334JL3	FILM 50V	330nF	
C1269	ECUV1H151JCX	S.M. CAP 50V	150pF	
DIFFE	ENCES FOR	MODEL TX21JT	1P	
			1.8.57	
EXPLOD	ED VIEW			
3	TBX8E072	5-KEY BUTTON		
4	ZTUZAE450A	ANODE LEAD		\mathbb{A}
5	TKK8E043	AV COVER		
6	TKU8E00490	BACK COVER		\triangle
7	UR51EC924	BATTERY COVER (REM	OTE)	
8	A51EAL155X13	C.R.T.		\mathbb{A}
9	TKY8E420	CABINET		
10	TMZ8E002	CHASSIS RAIL LEFT		
11	TMZ8E001	CHASSIS RAIL RIGHT		
12	VP15005-35	CRT FIXING SCREW		
13	TLK8E05143	DEGAUSS COL		\triangle
14	TNP8EE007DU	E P.C.B.		
15	ZTFM23002A	F.B.T.		A
16	TXAJTF01BZAG	FOCUS LEAD ASSY		\land
17	TBM8E2063	MODEL LABEL		
18	TBM8E1928	PANASONIC BADGE		
19	TBX8E071	POWER BUTTON		
20	EUR511300	REMOTE CONTROL		
21	EASG12D552A2	SPEAKER		
22	TNP8EY011AH	Y P.C.B.		\triangle
MISCELI	LANEOUS COMP	ONENTS		
	TKP8E1291	LIGHT TUBE	17 8 1	
	TKP8E1292	IR WINDOW	1	
	TPC8E4860	OUTER CARTON		
	TPD8E697	TOP CUSHION	1.30	
	TPD8E698	BOTTOM CUSHION	12	
	UM-3DJ-2P	BATTERY PACK		
D805	232266296706	THERMISTOR		\mathbb{A}
S351	TJSC00300	CRT SOCKET		\mathbb{A}
INSTRUC	CTION BOOKS			
	TQB8E2997MN	BULGARIAN, ROMANIAN		Δ
	TQB8E2997PQ	POLISH, HUNGARIAN		$\overline{\mathbb{A}}$
-	TQB8E2997RU	CZECH, ENGLISH	12. 1	$\overline{\mathbb{A}}$
I.C.s				
	SDAFOE AL LAA			
IC1201	SDA5254V41 X24CSI1-1NPZ	MICRO PROCESSOR EAROM		
IC1205	A2403H-INPZ			

DIODES

D1225 1SS133T-77

 TRANSISTORS

 Q351
 2SC5147/D-M1

DIODE

TRANSISTOR

Cct Ref	Parts Number	Description					Cct Ref	Parts Number	Description			
Q352	2SC5147/D-M1	TRANSISTO	R				R1290	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K 9
Q353	2SC5147/D-M1	TRANSISTO	R	1		10.0	R1291	ERJ6GEYJ752	S.M.CARB	0.1W	5%	7K5 9
Q507	BC847B	TRANSISTO	R	10 L			R1292	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K 9
21214	BC857B	TRANSISTO	R				R1304	ERJ6GEYJ184	S.M.CARB	0.1W	5%	180K 9
1215	BC857B	TRANSISTO	R				R1305	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 9
21216	BC847B	TRANSISTO					R1306	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0
	ORMERS						R1307	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8
							CAPACI		0.141.074110	0.100	070	11(0)
F801	ETS29AK227AC	TRANSFOR	VIER		A					50) (
OILS							C255	ECQV1H104JL3	FILM	50V		0.1µF
_551	ELH5L4104	COIL					C351	ECUV1H221JCX	S.M. CAP	50V		220pF
.553	ELH16F713	COIL				1	C352	ECUV1H271JCX	S.M. CAP	50V		270pF
_1206	EXCELSA35T	COIL				100	C353	ECUV1H221JCX	S.M. CAP	50V		220pF
RESIST	ORS						C369	ECA1HMR47B	ELECT	50V		470nF
JC24	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω		C453	ECA1HHG101B	ELECT	50V		100µF
							C454	ECA1HHG2R2B	ELECT	50V		100µF
R252	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω		C508	ECUV1H102JCX	S.M. CAP	50V		1nF
R254	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω		C550	ECA1CM471B	ELECT	16V		470µF
R255	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180 Ω		C551	ECWH12H103JR	FILM	1250V		10nF
R305	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180 Ω		C552	ECQF4273JZH	FILM	400V		27nF
R306	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180 Ω		C555	ECKC3D152J	CERAMIC	2KV		1.5nF
R307	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180 Ω		C557	ECWF2H394JZ	FILM	500V		390nF
R351	ERG2ANJP103H	METAL	2W	5%	10K Ω		C558	ECA2CM4R7B	ELECT	160V		390nF
352	ERG2ANJP103H	METAL	2W	5%	10K Ω		C563	ECA1CM471B	ELECT	16V		470µF
R353	ERG2ANJP103H	METAL	2W	5%	10K Ω		C565	ECA1VM471GB	ELECT	35V		470µF
R366	ERJ6GEYJ431	S.M.CARB	0.1W	5%	430 Ω		C567	ECA1VHG471B	ELECT	35V		47µF
R367	ERJ6GEYJ431	S.M.CARB	0.1W	5%	430 Ω		C802	222233591028	FILM	250V		28nF
R368	ERJ6GEYJ431	S.M.CARB	0.1W	5%	430 Ω		C811	ECA1JHG100B	ELECT	6.3V		100µF
R369	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω		C853	ECA1EM102GB	ELECT	25V		100µF
R370	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω		C1228	ECUV1H470GCG	S.M. CAP	23V 50V		47pF
R371	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω		C1220		ELECT	350V		33nF
R375	ERDS1TJ272	CARBON	0.5W	5%	2K7 Ω			ECJ2VB1H333K				
R378	ERD25TJ274	CARBON	0.25W	5%	270K Ω		C1231	222236516154	FILM	160V		150nF
R379	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K Ω		C1245	ECJ2VB1H333K	ELECT	350V		33nF
R380	ERJ6GEYJ684	S.M.CARB	0.1W	5%	680K Ω		C1251	ECQV1H334JL3	FILM	50V		330nF
R386	ERDS1TJ272	CARBON	0.5W	5%	2K7 Ω		C1269	ECUV1H151JCX	S.M. CAP	50V		150pF
R387	ERDS1TJ272	CARBON	0.5W	5%	2K7 Ω							
R453	ERDS1TJ1R0	CARBON	0.5W	5%	1Ω							
R506	ERJ6GEYJ153	S.M.CARB	0.3W	5%	15K Ω							
R508	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K Ω							
R519	ERJ6GEYJ823	S.M.CARB	0.1W	5%	82K Ω							
R522				5%	680KΩ							
	ERJ6GEYJ684	S.M.CARB	0.1W									
R523	ERJ6GEYJ154	S.M.CARB	0.1W	5%	150K Ω							
R524	ERJ6GEYJ184	S.M.CARB	0.1W	5%	180K Ω				1			
R525	ERJ6GEYJ184	S.M.CARB	0.1W	5%	180K Ω							
R542	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω			1				
R543	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω			1				142.7
R553	ERQ1CJP102	FUSIBLE	1W	5%	1ΚΩ 🔬							
R555	ERQ1CJP4R7	FUSIBLE	1W	5%	4R7 Ω 🔬							100
R557	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω							
R559	ERQ1CJP4R7	FUSIBLE	1VV	5%	4R7 Ω 🖄							1
R560	ERDS1TJ244T	CARBON	0.5W	5%	240K Ω				1.1			100
R807	ERG3FJ101	METAL	ЗW	5%	100 Ω 🔬							
R1213	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2 Ω							
R1215	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω							
R1216	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω							1.1
R1217	ERJ6ENF7501	S.M.CARB	0.1W	1%	7K5 Ω							
R1218	ERO50PKF5603	METAL	0.5W	1%	560K Ω 🔬							
	ERJ6GEYJ823	S.M.CARB	0.1W	5%	82K Ω				Street, State			B
	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω	1	10.00					
R1230		S.M.CARB	0.1W	5%	43K Ω	12.0						
R1230 R1241	ER/6GEY/434	CIVICATO	0.1W	5%	43R Ω 0 Ω							
R1230 R1241 R1242	ERJ6GEYJ434	SMCARP		070	0 12	1.000						
R1230 R1241 R1242 R1251	ERJ6GEY0R00	S.M.CARB		50/	100 0							
R1230 R1241 R1242 R1251 R1252	ERJ6GEY0R00 ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω 1K2 Ω							
R1230 R1241 R1242 R1251 R1252 R1256	ERJ6GEY0R00 ERJ6GEYJ101 ERJ6GEYJ122	S.M.CARB S.M.CARB	0.1W 0.1W	5%	1K2 Ω	3.44						
R1230 R1241 R1242 R1251 R1252 R1256 R1256 R1275	ERJ6GEY0R00 ERJ6GEYJ101 ERJ6GEYJ122 ERJ6GEYJ225	S.M.CARB S.M.CARB S.M.CARB	0.1W 0.1W 0.1W	5% 5%	1K2 Ω 2M2 Ω							
R1230 R1241 R1242 R1251 R1252 R1256	ERJ6GEY0R00 ERJ6GEYJ101 ERJ6GEYJ122	S.M.CARB S.M.CARB	0.1W 0.1W	5%	1K2 Ω							

 $\stackrel{\vartriangle}{\triangleq}$

A

SCHEMATIC DIAGRAMS FOR MODEL

TX-21JT1P, TC-21JR1P, TX-14JT1P, TC-14JR1P

(Z7 CHASSIS)

IMPORTANT SAFETY NOTICE

Components identified by A mark have special characteristics important for safety. When replacing any of these components, use only manufacturers' specified parts.

NOTE 1. RESISTOR All resistors are carbon 1/4W resistor, unless marked otherwise. Unit of resistance is OHM (Ω) (k=1,000, M=1,000,000) CAPACITORS All capacitors are ceramic 50V unless marked otherwise. Unit of capacitance is µF unless otherwise stated. COIL Unit of inductance is µH, unless otherwise stated. **TEST POINT** 4. **Test Point Position** 5. EARTH SYMBOL m

Chassis Earth (Cold)

Line Earth (Hot)

VOLTAGE MEASUREMENT 6. Voltage is measured by a d.c. voltmeter. Measurement conditions are as follows: a.c. 220V-240V, 50Hz Power source **Receiving Signal** Colour Bar signal (RF) All customer controls Maximum position

7.

2.

3.



 \downarrow

Indicates the Video signal path

Indicates the Audio signal path

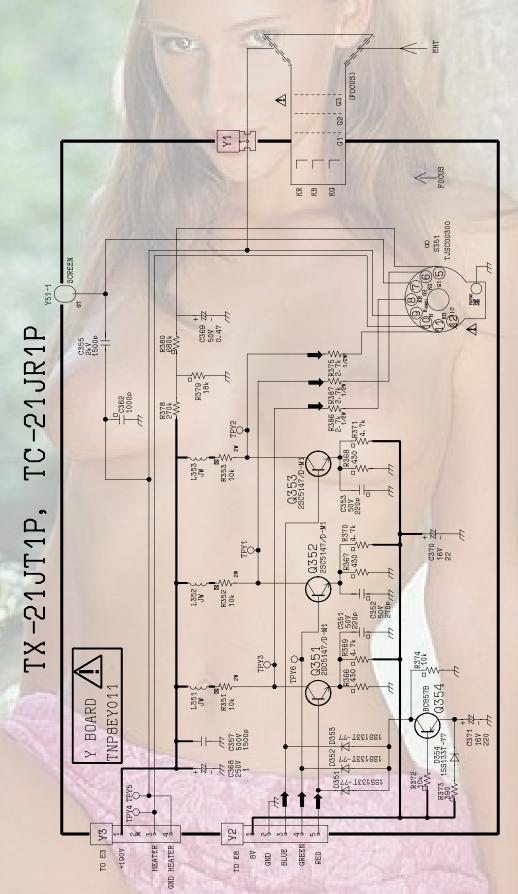
These schematic diagrams are the latest at time of printing and are subject to change without notice.

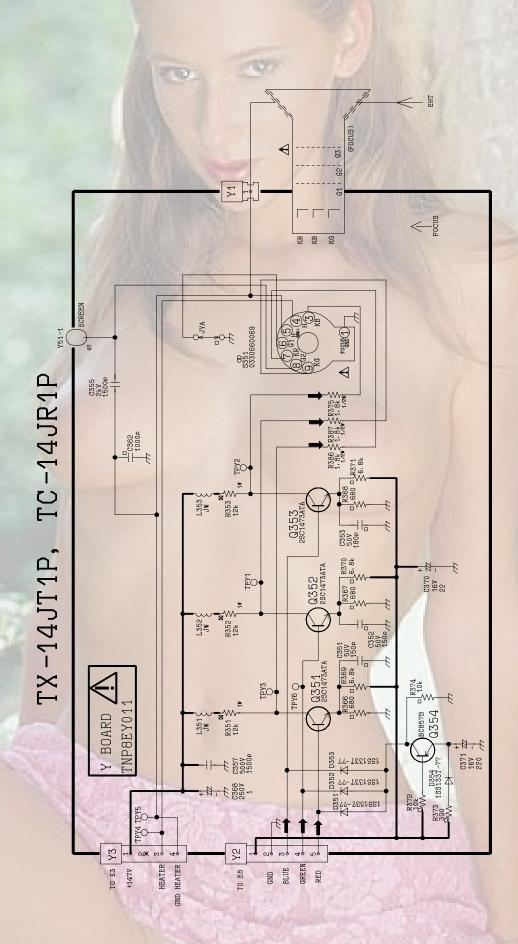
REMARKS

- a. 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. b.
- Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously as this may cause c. 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. d.

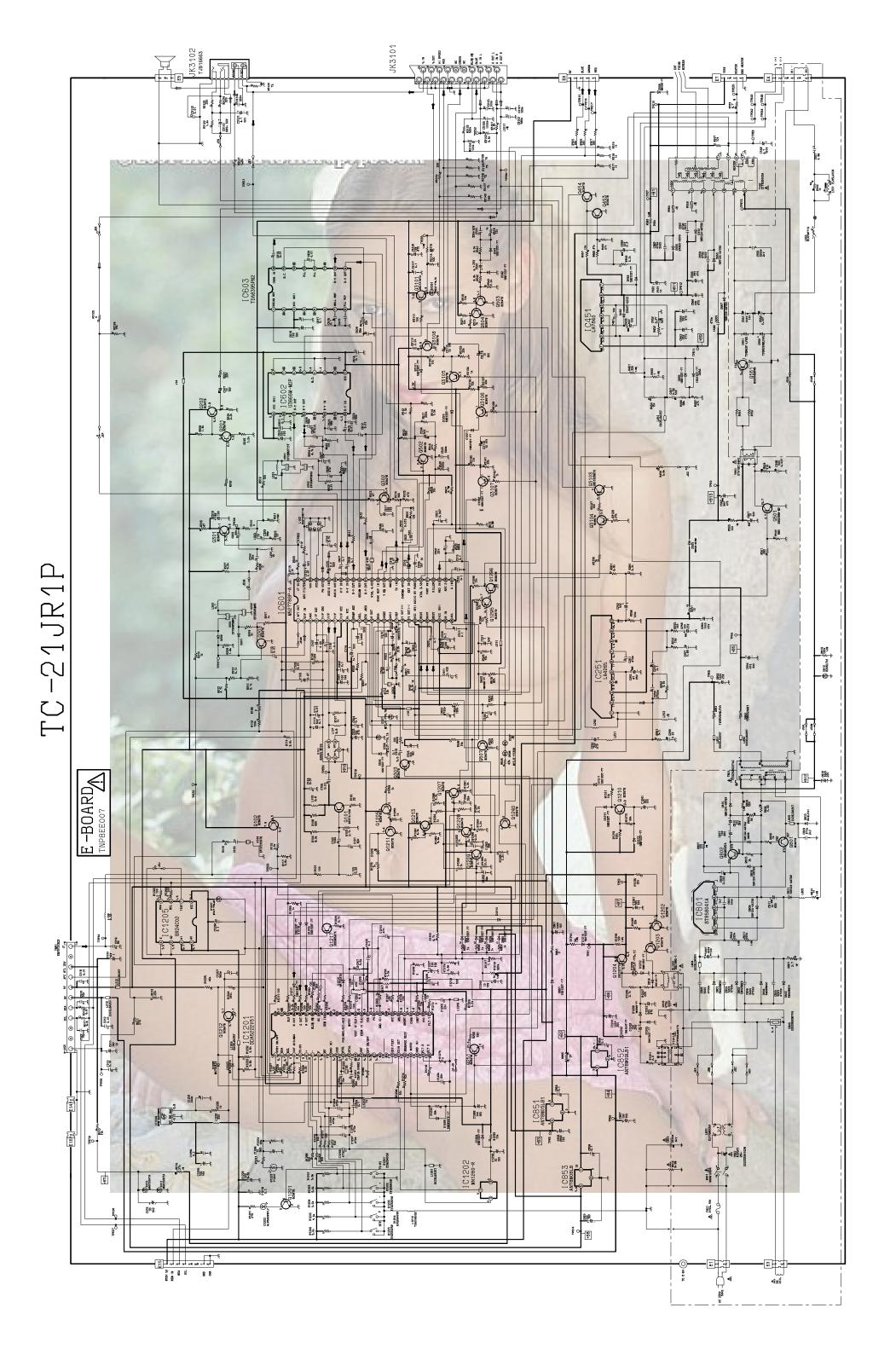
NOTE

The Power Supply Circuit contains a circuit area, which uses a separate power supply to isolate the earth connection. 1. The circuit is defined by HOT and COLD indications in the schematic diagram. All circuits, except the Power Circuit, are COLD.

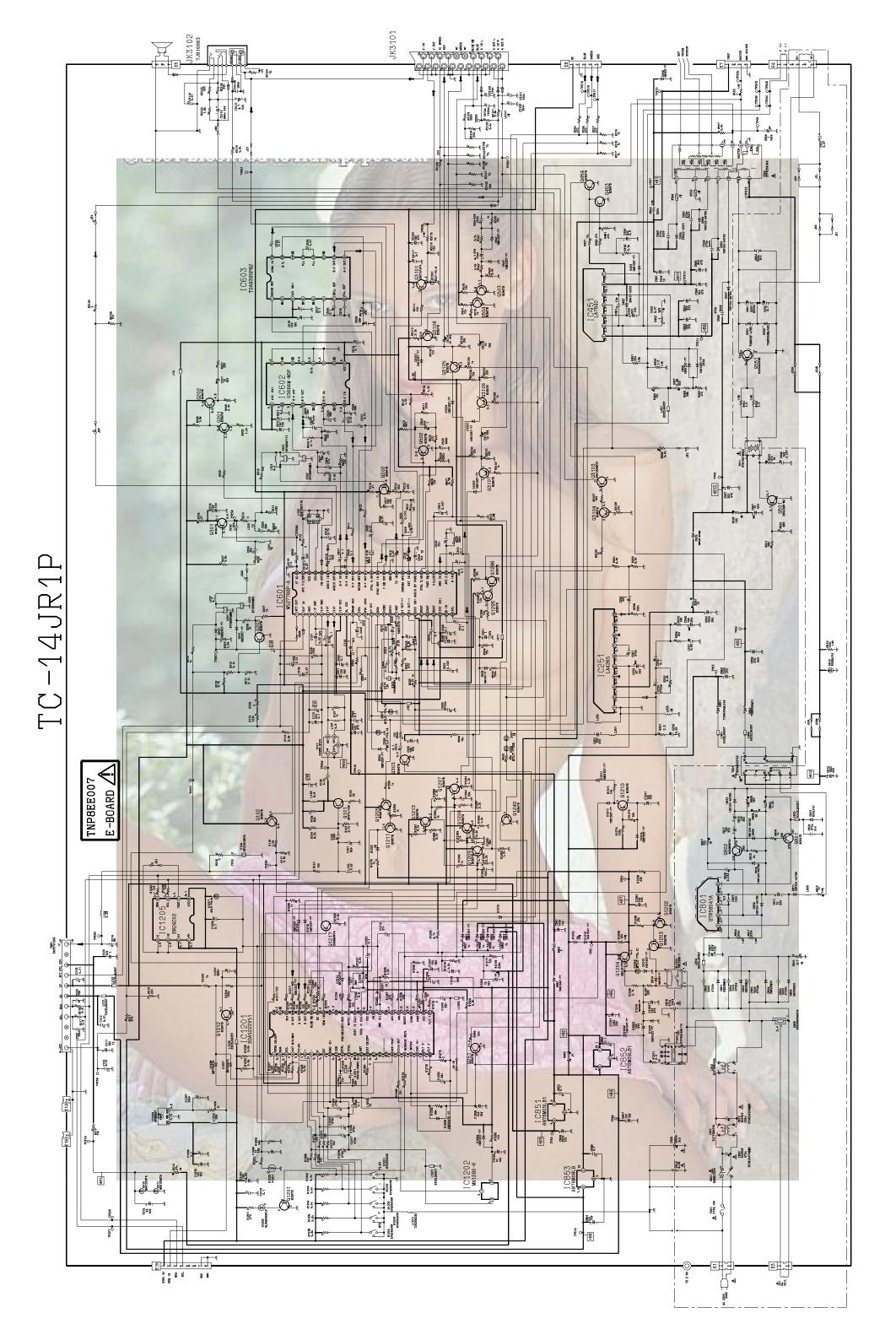








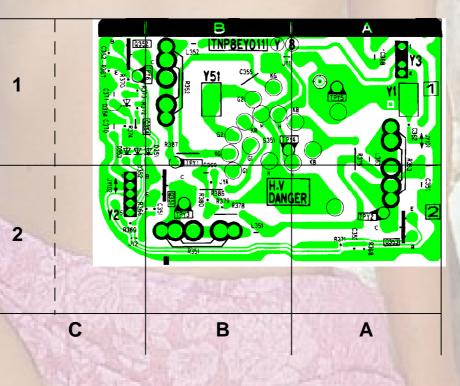




CONDUCTOR VIEWS FOR MODELS TX-21JT1P, TC-21JR1P, TX-14JT1P, TC-14JR1P

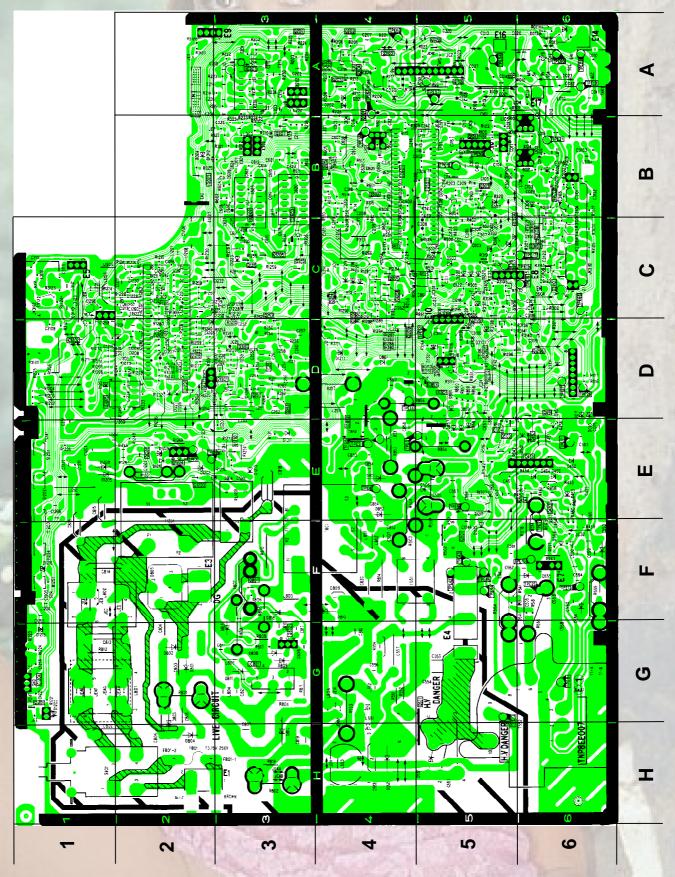
Y-BOARD TNP8EY011

TRAN'S	;
Q351 B2	2
Q352 C	1
Q353 A2	2
Q354 C	1
DIODES	;
D351 C	1
D352 C	1
D353 C ²	1
D354 C	1
T.P.'S	
TPY4 B2	
TPY5 B1	



E-BOARD TNP8EE007

	TX-21JT1P	TC-21JR1P	TX-14JT1P	TC-14JR1P			TX-21JT1P	TC-21JR1P	TX-14JT1P	TC-14JR1P			TX-21JT1P	TC-21JR1P	TX-14JT1P	TC-14JR1P
TRAN'S					D202	A4					D1213	E3				
Q101 B5					D304	B5					D1214	E3				
Q201 A3					D306	B6					D1217	C4				
Q202 A4					D307	B5					D1217	C4				
Q203 A4			1.1		D452	E6					D1210	C4				
Q251 D3	100	1.197			D453	E6					D1220	C5				
Q301 B4	1.75				D454	E6					D1220	C5				
Q302 C3					D455	E6					D1222	C5				
Q303 B5					D503	C5					D1223	C3				
Q453 E6					D504	C6					D1224	D2				
Q454 E6					D505	E5					D1225	F5		NO		NO
Q501 F5		-			D506	C5					D1226	D2		-		
Q502 B4		-			D507	D5					D1227	D2				
Q503 E5		-			D541	F6					D1228	C2				
Q504 E5		-			D542	E6					D1301	D5				
Q507 B5		-	NO	NO	D551	H5					D1311	E3				
Q551 H4		-			D552	H4					D1312	B2				
Q801 F3		-			D553	F6					D3101	D2				
Q802 G3		-			D554	G6					D3101	C6			NO	NO
Q1201 G1					D555	F6					00100	00				
Q1201 E2					D556	F6					I.C.'	2				
Q1202 E2		-			D557	E5					IC251	D3				
Q1203 E2					D801	G2					IC451	E6				
Q1204 C2					D802	G2					IC431	B4				
Q1203 C3					D803	H2					IC602	B3				
Q1207 C4					D804	H2					IC603	B3				
Q1208 C4					D804	F2					IC801	G3				
Q1209 C4		-			D803	G3					IC851	E5				
Q1210 L3	-	-			D809	 G3					IC852	E4				
Q1211 03		-			D810	 G4					IC853	D5				
Q1212 D2 Q1213 C4		-			D810	G3					IC1201	D2				
Q1213 C4		NO		NO	D812	G3					IC1201	D1				
Q1214 C4		NO		NO	D812	E2					IC1202	G1				
Q1215 D4		NO		NO	D815	G3					IC1204	D2				
Q1210 D2					D815	G3					101203	DZ				
Q1240 C6	-				D851	 E4					T.P.'	9				
Q1295 C5	-				D852	 F4					TPE1	E2				
Q1295 C5	-	-			D852	E5					TPE2	E2				
Q3101 D5					D858	E5					TPE3	E4				
Q3103 A4					D858	E5					TPE4	E4				
Q3104 A4					D859	 D5					TPE5	E5				
Q3105 C5					D861	D3					TPE6	E3				
Q3106 D5	-		-		D1202	E2		1			TPE9	E5				
Q3107 D5			1	100	D1202	E1		-			TPE10	F6				
	1			10.00		D1					TPE10	E6				
Q3108 C6					D1207	E1						F6				
DIODES					D1208 D1209	E1 E2					TPE12 TPE13	G5				
				-												
D010 E6			-		D1210 D1211	D2			-		TPE14 TPE18	D4		-		
D011 E6 D201 A4			-			D4 E2						B5				
D201 A4				1	D1212	E2					TPE19	A6				



E - BOARD TNP8EE007

