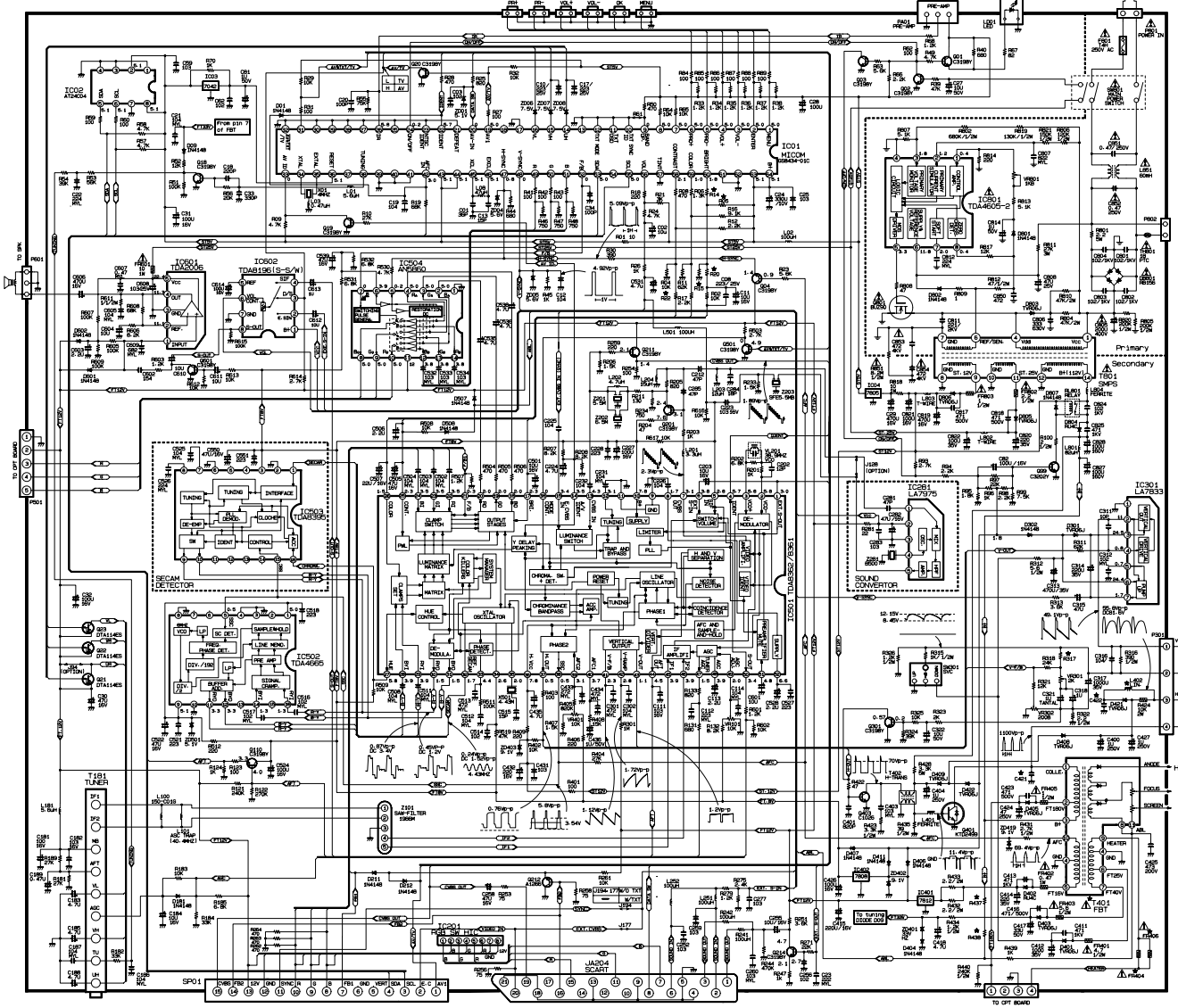
SCHEMATIC DIAGRAM (PC-31A)



★THE TABLE OF INCH CONVERSION

CIRCUIT NO	14"	20"	21"	REMARK
C P T	A34KP402X	A48KW202X	A51KP402X	OPT
D Y	113V	151D	110F	153-
T401	064P	106C	378F	FBT(154-)
C421	682H	912H	822H	MPP 1.6KV
C422	474	364	474	MPP 200V
L402	L02B	L01Z	L02C	COIL(152-)
L501	10uH	10uH	100uH	COIL
FR404	10	2	5.1	RES. FUSIBLE 1W
FR405	7.5	2	9	RES. FUSIBLE 1W
R25	1.5K	1.8K	1.8K	RES. FIXED 1/6W
R14	820	330	330	RES. FIXED 1/6W
R15	12K	6.8K	6.8K	RES. FIXED 1/6W
R20	2.7K	4.7K	4.7K	RES. FIXED 1/6W
R32	6.8K	4.7K	5.6K	RES. FIXED 1/6W
R317	22K	22K	27K	RES. FIXED 1/6W
R437	68K	56K	56K	RES. FIXED 1/2W
R438	82K	68K	68K	RES. FIXED 1/2W

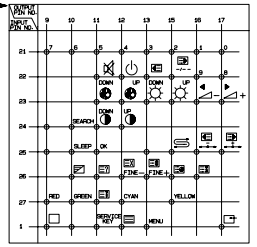
●THE TABLE OF RECEIVING SYSTEM

CIRCUIT NO.	B / H	B / G	D / K	I	REMARKS
R05	1.5K	1.5K	1.8K	1.5K	CARBON FILM RESISTOR
R281	–	–	22	–	
R295	–	–	1.5K	–	
R202	6.8K	6.8K	10K	6.8K	
L203	6.8UH	6.8UH	10UH	6.8UH	INDUCTOR
L204	33UH	15UH	8.2UH	10UH	INDUCTOR
C281	TIN WIRE	TIN WIRE	470P	TIN WIRE	CAP. TUBULAR
C282	–	–	47U/16V	–	CAP. CE
C283	–	–	103P	–	CAP. TUBULAR
C284	–	–	18P	–	CAP. TUBULAR
C285	–	–	47P	–	CAP. TUBULAR
C525	–	–	104J/50V	–	CAP. MYLAR
C526	–	–	224J/50V	–	
C550	–	–	47U/16V	–	CAP. CE
C551	–	–	0.022U/50V	–	CAP. CERAMIC
C951	474 250V	474 250V	154 250V	–	Y-CAPACITOR
C953	TIN WIRE	4700/4KV	4700/4KV	TIN WIRE	Y-CAPACITOR
C954	2200/2KV	4700/4KV	4700/4KV	2200P/4KV	
Q21	DTA114ES	DTA114ES	DTA114ES	–	TRANSISTOR
Q22	DTA114ES	DTA114ES	DTA114ES	–	TRANSISTOR
Q23	DTA114ES	DTA114ES	DTA114ES	–	TRANSISTOR
IC281	–	–	LA7575	–	S-CONVERTOR
IC501	TDA8361	TDA8361	TDA8362	TDA8361	JUNGLE
IC503	–	–	TDA8395/N1	–	SECAM
Z101	S1956M	S1956M	K1950	J1953M	SAW FILTER
Z201	TP2S.5M	TP2S.5M	TP2S.5M	TP2S.0M	FILTER TRAP
Z202	TP5S.5M	TP5S.5M	TP5S.5M	TP5.5M	
Z203	5.5M	5.5M	6.0M	6.0M	FILTER BPF
Z281	–	–	CSB500	–	RESONATOR
T581	238B	238B	238C	238E	TUNER (HYPER BAND)
J24	–	–	–	TIN WIRE	
J128	TIN WIRE	TIN WIRE	–	TIN WIRE	
R50	–	–	–	470	
R61	TIN WIRE	TIN WIRE	TIN WIRE	–	
R205	820	820	–	820	
R405	–	–	–	–	

●TEXT LANGUAGE & MODE OPTION FOR U-COM IC(IC504)

FUNCTION	LANGUAGE		MODE		REMARKS
PIN NO.	WEST	EAST	TOP/FLOF	FLOF	
PIN 11	LOW(0)	HIGH(1)	–	–	LOW(0) : GND
PIN 12	–	–	HIGH(1)	LOW(0)	HIGH(1): 5V

●KEY MATRIX TABLE



NOTICE

Since this is basic circuit diagram,the value of components and some partical connection are subject to change for improvement.

The components marked ⚠ conform to VDE or IEC guide-lines and are essential for safe operation of the set. While those marked ⚠ are required for correct operation. Use specified parts only when replacing.

Value of resistor·capacitor and inductor

1. Resistances are shown in ohm. K=1,000- M= 1,000,000.
2. Unless otherwise noted in schematic,all capacitor values less than 1 are expressed in mfd and the values more than 1 in pF.
3. Unless otherwise noted in schematic,all inductor values more than 1 are expressed in uH and values less than 1 in Henry(mH).

Observation of voltages and waveforms

1. Voltages with VTVM from point to chassis ground. line voltage is 230Vac +/- 20% volts. (240Vac +/- 20% in ENGLAND· AUSTRALIA· NEWZEALAND) Signal pattern is colour-bar.
2. The schematic shown is representative only.
3. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
4. Check Fine tuning·AGC·Brightness·Contrast and Colour controls for best picture.make sure that colour-brightness are in mid-position and contrast is in 75%.

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