

Description of main component

Ref. No.	Parts NO.	Description
IC1	M3826AEFGP	IC, MICRO PROCESSOR
IC2	PST9140NR	IC, RESET SWITCH
IC3	LC73881M	IC, DTMF DECODER
IC4	AT24C32AN	IC, EEPROM
IC5	RN5VL45C	IC, VOLTAGE DETECT
IC6	LMX1511TMX	IC, PHASE LOCKED LOOP SYSTEM
IC7	S-81350HG-KD	IC, VOLTAGE REGULATER
IC8	TA75W01FU	IC, AUDIO AMP ACTIVE FILTER
IC9	TA31136FN	IC, IF SYSTEM
IC10	NJM2100V	IC, AUDIO AMP
IC11	RA07M4047M	IC, RF POWER AMP
IC11	RA07M1317M	IC, RF POWER AMP
IC12	TA7368F	IC, AUDIO POWER AMP
IC13	NJM2904V	IC, APC
IC14	TA75W01FU	IC, ACTIVE FILTER
Q1~Q3	DTC114EE	TRANSISTOR, DC SWITCH
Q4	DTC114YE	TRANSISTOR, CLOCK FREQUENCY SHIFT
Q5	UMG3N	TRANSISTOR, DC SWITCH
Q6	UPA572T	FET, DC SWITCH
Q8	FMMT591	TRANSISTOR, DC SWITCH
Q9	UMG3N	TRANSISTOR, DC SWITCH
Q12	DTA114YE	TRANSISTOR, DC SWITCH
Q14	2SC4619	TRANSISTOR, RF AMP
Q15	DTA114EE	TRANSISTOR, AF MUTE SWITCH
Q16	2SK1875(V)	FET, VCO RX
Q17	2SC4617(S)	TRANSISTOR, ACTIVE FILTER
Q18	2SK1875(V)	TRANSISTOR, VCO TX

Q19	2SJ243	FET, DC SWITCH
Q20	2SC5108(Y)	TRANSISTOR, RF BUFFER AMP
Q21	2SC5108(Y)	TRANSISTOR, IF AMP
Q22	2SC4617(S)	TRANSISTOR, ACTIVE FILTER
Q23	UMC4	TRANSISTOR, DC SWITCH
Q24	2SC4617(S)	TRANSISTOR, RIPPLE FILTER
Q25	2SC4617(S)	TRANSISTOR, ACTIVE FILTER
Q26	2SC5108(Y)	TRANSISTOR, RF AMP
Q28	2SC4617(S)	TRANSISTOR, ACTIVE FILTER
Q29	3SK320	FET, MIXER
Q30	2SK1824	FET, AUDIO MUTE SWITCH
Q31	2SC4988	TRANSISTOR, TX DRIVE
Q32	DTA144EE	TRANSISTOR, AUDIO MUTE SWITCH

Q34	2SA1362(GR)	TRANSISTOR, DC SWITCH
Q35, Q36	DTC144EE	TRANSISTOR, DC SWITCH
Q37	2SC4919	TRANSISTOR, AUDIO MUTE SWITCH
Q38	DTC114EE	TRANSISTOR, DC SWITCH
Q39	2SK1215(E)	FET, RF AMP
Q40	2SK1588	FET, AUDIO MUTE SWITCH
Q41	DTA144EE	TRANSISTOR, DC SWITCH
D1	CL-220YG	LED, LCD BACKLIGHT
D2	UN-WMV-SRGC	LED, TX BUSY LED
D3	MA2S111	DIODE, UNLOCK DETECT
D4	1SV269	VARIABLE CAPACITANCE DIODE, FREQUENCY CON
D5	1SS373	DIODE, REVERSE-FLOW PREVENTION
D6	UMN1N	DIODE, DC CUT
D7~D10	1SV283	VARIABLE CAPACITANCE DIODE, FREQUENCY CON
D11	1SV214	VARIABLE CAPACITANCE DIODE, TX MODULATION
D14	MA2S111	DIODE, CURRENT STEERING
D15	DA221	DIODE, LIMITTER
D16,D17	MA2S077	DIODE, RF SWITCH
D19	1SS372	DIODE, AGC DETECT
D20	MA8062	ZENER DIODE, VOLTAGE PROTECTION
D21	DAN222	DIODE, REVERCE PROTECTION
D22	HVU131	DIODE, ANT SWITCH
D23	MA2S077	DIODE, ANT SWITCH
D24	1SR154-400	DIODE, REVERCE PROTECTION
Q300	DTA144EE	TRANSISTOR, DC SWITCH
Q301	2SK1824	TRANSISTOR, DC SWITCH
Q302	DTA144EE	TRANSISTOR, DC SWITCH
Q303	DTC144EE	TRANSISTOR, DC SWITCH
Q304	DTC144EE	TRANSISTOR, DC SWITCH