

FCC ID: 0714902

FUNCTION OF EACH SEMICONDUCTOR OR OTHER ACTIVE CIRCUIT DEVICE [2.983(6)]

1. Transistor, FET

Q1	DTA114EUA	SWITCHING
Q2	UMD2N	SWITCHING
Q3	2SC4094(R37) or 2SC4094(R38)	RF AMP
Q4	2SC4226(R25)	RF AMP
Q5	DTC114YUA or UN5214	SWITCHING
Q6	UMD2N	SWITCHING
Q7	2SC4094(R37) or 2SC4094(R38)	RF AMP
Q8	2SC4116(Y)	AGC AMP
Q9	2SC4250	2nd MIXER
Q10	2SC4215(O)	2nd IF AMP
Q11	2SC4116(GR)	AGC AMP
Q12	DTC114YUA or UN5214	SWITCHING
Q13	DTC114YUA or UN5214	SWITCHING
Q14	DTC114YUA or UN5214	SWITCHING
Q15	2SC4226(R25)	2nd IF AMP
Q16	2SC4226(R25)	2nd IF AMP
Q17	DTA114EUA	SWITCHING
Q18	DTC114YUA or UN5214	SWITCHING
Q19	2SC4226(R25)	SWITCHING
Q20	2SC4226(R25)	VCO 1
Q21	DTC114YUA or UN5214	SWITCHING
Q22	2SC4226(R25)	VCO 2
Q23	DTC114YUA or UN5214	SWITCHING
Q24	2SC4226(R25)	BUFFER VCO 1&2
Q25	2SC4116(GR)	LOW PASS FILTER
Q26	2SK880(Y)	LOW PASS FILTER
Q27	2SK880(Y)	LOW PASS FILTER
Q28	2SC4116(GR)	LOW PASS FILTER
Q29	2SC4251 or MT3S16U	VCO 3
Q30	2SC4250 or 2SC4251 or MT3S16U	BUFFER VCO 3
Q31	DTA114EUA	FILTER SWITCHING
Q32	DTC114YUA or UN5214	MUTE SWITCHING
Q301	DTC114YUA or UN5214	SWITCHING
Q302	IMD10A	LED DRIVER
Q303	IMD10A	LED DRIVER
Q304	2SC4116(GR)	RESET CIRCUIT
Q305	2SC4116(GR)	LED DRIVER
Q306	2SC4116(GR)	LED DRIVER
Q307	2SC4116(GR)	LED DRIVER

GENERAL RESEARCH OF ELECTRONICS, INC.

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2. IC

IC1	HD74AC164 or TC74VHC164	BAND SELECT/ATT.CONT.
IC2	uPC2757TB	1st MIXER
IC3	NJM2406	DETECTOR COMPARATOR
IC4	Not used	
IC5	MB15F07SL	PLL
IC6	TK11819M	DC TO DC CONVERTOR
IC7	NJM2904M	COMPARATOR / NOISE AMP
IC8	TK10931V	3rd IF AMP / 3rd LO / 3rd MIX / NOISE AMP / QUADRATURE DETECTOR
IC9	NJM13404V	BUFFER/PRE AMP
IC10	TC4S66F	SWITCHING
IC11	TC74HC4066AFT or TC74HC4066AFS	SWITCHING
IC12	TDA1905	AUDIO AMP
IC13	LM317BT or LM317T	VOLTAGE REGULATOR
IC14	KIA7808AP	VOLTAGE REGULATOR
IC301	HN58X24512FPI or M24512WMW6T or M24512WMW6TG	MEMORY
IC302	NJM13403V	LOW SPEED DATA FILTER
IC303	NJM2903M	HI SPEED DATA FILTER / LOW SPEED DATA FILTER
IC304	S-80845CNNB or S-80845ANNP	VOLTAGE DETECTOR
IC305	NJM13403V	SAME DATA FILTER / WX ALERT DATA FILTER
IC306	M3062LFGPGP#U5C (GRE-0713902)	CPU