

EVR-100(EA362USL) Function of Devices

Reference	Type	Function
Q1	TRANSISTOR 2SC4901YK	IF Amplifier
Q2	TRANSISTOR 2SC4901YK	RF Power Out Predriver
Q3	TRANSISTOR 2SC4901YK	VCO Output Buffer
Q4	TRANSISTOR 2SC4901YK	RF Power Out Predriver
Q5	TRANSISTOR 2SC4901YK	RX RF Amplifier
Q6	BJN SS SOT-23 MMBT3904LT1 ROHS	TX Inhibit Control
Q7	BJP PW SC-63- 2SB1184----- ROHM	On/Off Switch
Q8	BJP PW SC-62- 2SA1363	5V VCC regulator
Q9	BJN SS SOT-23 MMBT3904LT1 ROHS	TX Hi/Lo Power controller
Q10	TRANSISTOR KTC9014S(SSC162 3G&2SC2712)	Audio mute 2
Q11	BJN SS SOT-23 MMBT3904LT1 ROHS	WX 1050 Amplifier
Q12	TRANSISTOR KTC9014S(SSC162 3G&2SC2712)	Audio mute 1
Q13	BJN SS SOT-23 MMBT3904LT1 ROHS	5V VCC regulator
Q14	BJN SS SOT-23 MMBT3904LT1 ROHS	TX 5V Switch
Q15	TRANSISTOR MPS8550S-D(SSA1 197Y&2SA1298Y)	Blacklight LED Switch
Q16	FET 2SK302G	VCO(RX)
Q17	FET 2SK210Y	VCO(TX)
Q18	MFN RF SC-82AB 3SK318 HITACHI	Mixer
Q19	MFP PW TO220- RD06HVF1---- MITSUBISHI 175MHZ 6W ROHS	RF Power Out Amplifier
Q20	FET 2SK3074	RF Power Out Driver
Q21	BJP SS SOT-23 MMBT3906LT1 ROHS	MOD 5V Switch
Q22	BJP SS SOT-23 MMBT3906LT1 ROHS	RX 5V Switch
Q23	BJP SS SOT-23 MMBT3906LT1 ROHS	TX VCO 5V Switch
Q24	BJP SS SOT-23 MMBT3906LT1 ROHS	RX VCO 5V Switch
Q25	TRANSISTOR MPS8550S-D(SSA1 197Y&2SA1298Y)	TX 5V Switch
Q26	TRANSISTOR 2SC4901YK	TX/RX Switch
Q27	BJN SS SOT-23 MMBT3904LT1 ROHS	VCO Power Filter
Q29	BJN SS SOT-23 MMBT3904LT1 ROHS	TX Power controller Switch
U1	IC NJM2904M	TX Power Control
U2	IC LA4425A----- SPA- SIP5 H-SANYO ROHS	Audio Amplifier
U3	IC BA4116FV	Demodulation
U4	IC GP214D----- PLL- 16TSSOP GAINTECH ROHS	PLL
U5	IC UPD789407AGK-XXX-9EU-A MCU- 80TQFP NEC RoHS	MCU
U6	IC NJM78M05DL1A--- VREG TO-2 52JRC ROHS	Voltage Regulator
U7	IC LM324DT SO14	MIC Amplifier
U8	IC LM324DT SO14	WX 1050 BPF
U9	IC XC61FC4012MR	MCU Reset IC
U10	IC AT24C16BN-10SI-2.7 EEP ROM	Eeprom