

GMRS500

SEMICONDUCTOR DESIGNATIONS AND FUNCTIONS

Designator	Description	Application
D1	KDS114E	RF SW
D2	KDS120	Charger Path
D3	KDS114E	Diode SW
D4	KDS121	Diode SW
D5	KDS114E	VOX Rectifier
D6	KDS113	VCO VCC SW
D7	KDS114E	Diode SW
D8	KDS121	Diode SW
D9	KDS121	Diode SW
D13	KDS114E	RF SW
D201	KDS114E	Reset
D301	KDS114E	RX/TX SW for VCO
D302	MS2S372	VCO Vari-cap
DZ1	3.0V	3V Zener Diode
DZ501	KV1741E	FM VCO
DZ502	KV1741E	FM VCO
LED1	LED	Backlit LED
LED2	LED Flash	Flash LED
IC1	DBL5018	IC IF
IC2	UTC34119	IC SPK
IC3	XC6201	IC Regulator 3V
IC4	LM324	IC OP
IC5	LM324	IC OP
IC201	TB31202	IC PLL
IC501	TDA7021T	IC FM Radio
CPU1	W741S81A	IC CPU
Q1	NE5510279A	TX PA
Q2	KRC405E	RX VCC Mute for TX
Q3	KTA1505	FM VCC SW
Q4	BFQ67W	TX Driver
Q5	KRC404E	CTCSS Driver
Q6	2SC4226	RX LNA
Q7	KTA2014E	PTT SW
Q8	2SC4226	RX Mixer
Q9	2SC4083	RX IFA
Q10	KRA306E	VCO VCC SW
Q11	BFQ67W	TX Pre-Driver
Q12	KRC404E	Charger Detector
Q13	KTA1505	TX VCC SW
Q14	KRA306E	RX VCC SW
Q15	KRC404E	Voltage Selection for charging
Q16	KRA226	SPK Enable

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Q17	KRC405E	TX Audio Mute for RX
Q18	KRA226	Main VCC SW
Q19	KRC401E	RX/TX SW for VCO
Q20	KRA306E	TX Power Level SW
Q21	KRC404E	VOX
Q22	KRC404E	PTT SW
Q23	KRC405E	RX Audio Mute
Q26	KRA306E	Charger Enable
Q27	KRC404E	Charger Enable
Q301	2SC4226	VCO
Q302	2SC4226	VCO
Q501	2SC4083	FM VCO
Q502	KTC4075E	RSSI Amplifier
Q503	KRC404E	RSSI Amplifier