

GMRS200

SEMICONDUCTOR DESIGNATIONS AND FUNCTIONS

Designator	Description	Application
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D1	KDS114E	RX TX switch
D3	KDS114E	Squelch Retifier
D5	KDS115	VOX Rectifier
D6	KDS113	VCO VCC Switch
D7	KDS114E	RX TX Switch
D9	KDS114E	VCO RX TX Switch
D10	KDS120	Charger diode
D201	KDS121s	KEY Button
LED1	SML210MT	Backlit LED
IC1	SI5018	IF IC
IC2	LM386	Speaker Amp
IC3	XC6201B402MR	4V Regulator
IC4	LM324	OP Amp
IC5	LM324	OP Amp
IC6	TB31202	PLL IC
IC7	W742C81A	Micro-controller
IC8	Reset	2.7V Reset IC
Q1	NE5510279A	TX PA
Q2	BFQ67W	TX Driver
Q4	KRC404E	Speaker Amp enable
Q5	KRC404E	CTCSS limiter
Q6	2SC4226	LNA
Q7	KTA2014E	PTT Switch
Q8	2SC4226	Mixer
Q9	2SC4083	IFA
Q10	KRA306E	VCO B+ Switch
Q11	BFQ67W	TX Pre-driver
Q12	BFQ67W	TX Driver
Q13	KRA226	TX B+ Switch
Q14	KRA306E	RX B+ Switch
Q16	KRA226S	Speaker Amp. Enable
Q17	KRC405E	TX Audio Mute
Q18	KRA226S	Main B+ Switch
Q19	KRC401E	VCO RX TX Switch
Q20	KRA306E	TX Power Hi/Low control
Q23	KTC405E	RX Audio Mute
Q24	KRA306E	TX Power Hi/Low control
Q25	KRC405E	RX TX Switch
Q26	2SC4226	VCO
Q27	2SC4226	VCO
Q201	2SC4083	WX VCO

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Q202	KRA306E	WX B+ Switch
Q203	2SC4083	WX mixer