

GMRS7001

SEMICONDUCTOR DESIGNATIONS AND FUNCTIONS

Designator	Description	Application
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D1	KDS114E	RX TX switch
D2	KDS114E	RX TX Switch
D4	KDS114E	RX Audio Mute
D5	KDS114E	TX Audio Mute
D201	KDS114E	CPU Reset
D301	KDS114E	VCO RX TX Switch
D25	KDS120	Charger diode
LED1	SML210MT	Backlit LED
IC1	LM324	OP Amp
IC2	LM386	Speaker Amp
IC3	XC6201B402MR	4V Regulator
IC5	LM324	OP Amp
COMBO1	AN6311	One chip Radio IC
U1	W742C81A	Micro-controller
Q1	NE5510279A	TX PA
Q2	KRC404E	Speaker Amp enable
Q3	BFQ67W	TX Driver
Q5	KRC404E	CTCSS limiter
Q6	2SC4226	LNA
Q7	KTA2014E	PTT Switch
Q8	2SC4226	Mixer
Q9	KRA306E	WX B+ Switch
Q10	KRA306E	RX B+ Switch
Q11	BFQ67W	TX Pre-driver
Q12	2SC4083	WX VCO
Q13	KRA226	TX B+ Switch
Q14	2SC4083	WX mixer
Q15	KRC405E	RX B+ Mute
Q16	KRA226S	Speaker Amp. Enable
Q17	KRC405E	TX Audio Mute
Q18	KRA226S	Main B+ Switch
Q19	KRC401E	VCO RX TX Switch
Q20	KRA306E	VCO B+ Switch
Q21	KRA306E	TX Power Hi/Low control
Q22	KRA306E	TX Power Hi/Low control
Q23	KRC405E	RX TX Switch
Q301	2SC4226	VCO
Q302	2SC4226	VCO