

SEMICONDUCTOR DESIGNATIONS AND FUNCTIONS

GMRS 200W

Designator	Reference number	Description
IC1	AN6311	One chip IC (include PLL, IF, Audio amplifier)
D1	KDS114	RX,TX RF Switch
D2	KDS114	RX,TX RF Switch
D201	KDS114	Reset for CPU
D25	KDS113	Charging path
D301	KDS114	VCO RX TX switch
D4	KDS112	VCO B+ supply
IC2	UTC34119	Speaker Amplifier
IC3	XC6201B302MR	3V Regulator
LED1	SML210MT	Backlit LED for LCD
CPU	W541C250	CPU
Q201	BFQ67W	TX PA
Q202	BFQ67W	TX PA
Q203	BFQ67W	TX PA
Q204	BFQ67W	TX driver
Q303	KRC404E	Voltage control for low battery
Q101	2SC4226	RX Frontend
Q308	KTA2014E	PTT switch
Q102	2SC4226	1 st Mixer
Q304	KRA304E	Voltage control for low battery
Q310	KRA306E	RX B+
Q205	2SC4083	TX pre-driver
Q306	KRC404E	Charger detector
Q309	KRA306E	TX B+
Q305	KRA306E	Charger Enable
Q307	KRC404E	VOX switch
Q103	KRA226S	Speaker Amplifier B+
Q304	KRC404E	Charger enable
Q301	KRA226S	Main B+ switch
Q401	2SC4083	VCO

Q402	2SC4083	VCO
Q403	KRC405E	VCO RX/TX Switch