

SEMICONDUCTOR DESIGNATIONS AND FUNCTIONS

Designator	Description	Application
CPU1	W741S81A	Micro controller
D1	KDS114E	TX,RX switch
D3	KDS114E	Squelch temperature compensation
D4	KDS160	TX PA temperature compensation
D5	KDS114E	VOX rectifier
D13	KDS114E	TX,RX switch
D201	KDS114E	Reset for micro controller
D301	KDS114E	VCO TX,RX switch
D6	KDS113E	VCO Vcc switch
IC1	DBL5018	IF IC
IC2	LM386	Speaker amplifier
IC201	TB31202	PLL IC
IC3	XC6201	4V regulator
IC4	LM324	OP amp.
IC5	LM324	OP amp.
LED1	SML210MT	LED for backlit
Q1	NE5510279A	TX PA
Q2	BFQ67W	TX driver
Q3	BFQ67W	TX driver
Q4	BFQ67W	TX driver
Q5	KRC404E	CTCSS Limitor
Q6	2SC4226	RX LNA
Q7	KTA2014E	PTT switch
Q8	2SC4226	RX MIXER
Q9	2SC4083	IFA
Q10	KRA306E	VCO Vcc switch
Q11	BFQ67W	TX pre-driver
Q12	KRC404E	Speaker amplifier Vcc switch
Q13	KRA226	TX Vcc switch
Q14	KRA306E	RX Vcc switch
Q16	KRA226	Speaker amplifier Vcc switch
Q17	KRC405E	TX audio Mute
Q18	KRA226	Main Vcc switch
Q19	KRC401E	VCO TX,RX switch
Q21	KRC404E	VOX amplifier
Q22	KRC4075E	Audio amplifier
Q23	KRC405E	RX audio mute
Q301	2SC4226	VCO
Q302	2SC4226	VCO