

SEMICONDUCTOR DESIGNATIONS AND FUNCTIONS

KP3X

Designator	Reference number	Description
COMBO1	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
U1	W541C250	CPU
Q1	BFQ67W	TX PA
Q2	BFQ67W	TX PA
Q3	BFQ67W	TX PA
Q4	BFQ67W	TX driver
Q5	KRC404E	Voltage control for low battery
Q6	2SC4226	RX Frontend
Q7	KTA2014E	PTT switch
Q8	2SC4226	1 st Mixer
Q9	KRA304E	Voltage control for low battery
Q10	KRA306E	RX B+
Q11	2SC4083	TX pre-driver
Q12	KRC404E	Charger detector
Q13	KRA306E	TX B+
Q14	KRA306E	Charger Enable
Q15	KRC404E	VOX switch
Q16	KRA226S	Speaker Amplifier B+
Q17	KRC404E	Charger enable
Q18	KRA226S	Main B+ switch

Q19	KRC405E	VCO RX/TX Switch
Q301	2SC4083	VCO
Q302	2SC4083	VCO