

## MTX80\_vC PARTS LIST

#	RefDes	Value	Type	Supplier Code
RS=uk.rs-online.com RE=www.rapidonline.com DK=www.digikey.co.uk				
n.b. ( ) denotes optional				
1	PCB		PCB	G3ZOI
2	C4 C17	100n	1206	RS/790-0590
1	C5	1n0	1206	RS/133-927
3	C8 C9 C14	10n	1206	RS/669-8410
2	C11 C12	15p	0805 NPO	RS/264-4242
1	C7	1n0	1206	RE/61-5145
1	C16	220p	1206	RS/264-4078
2	C1 C2	1u0	1206	RS/669-8414
1	C3	22p	1206 NPO	RS/651-9932
2	C13 C15	10u/16v	1206	RS/669-8473
1	CT1	30p trimmer	4mm SMD (or 5mm leaded)	RS/790-2795
1	C10	4p7	0805 0p to 10p, as required	RE/61-5362
1	C6	680p	1206	RS/698-3620
1	CT2	POLY VARICAP		RE/12-0256
0	C2x	100p (adjust for tuning)	1206	
1	D1	B0520LW-7-F	SCHOTTKY DIODE	RS/743-5999
1	D2	GREEN LED	5MM LOW CURRENT	RE/56-0435
2	D3 D4	BAV99	DOUBLE DIODE	RS/544-4534
1	D5	RED LED	SUPER-BRIGHT	RE/72-8984
1	IC1	PIC16F628A		RE/73-3340
1	IC2	ICS525-01	IC-ICS525-01	DK/800-1047-5-ND
1	J4	3 PIN HEADER		RE/22-0500
2	J1, BAT	2 PIN HEADER		RE/22-0520
1	K1	PCB SWITCH SPDT		RE/76-0200
1	K2	6mm TACTILE SWITCH		RE/78-0625
1	K3	DIL SWITCH 8 POLE		RE/80-0340
1	L1	FT23-43/10t	TOROID COIL (10uH)	EBAY
1	L2	24t onT50-6	TOROID COIL (2.3uH)	EBAY
1	L3	40t onT68-2 or 34t on T94-2	TOROID COIL (10uH)	EBAY
2	Q1 Q2	PZT222A	SOT23 NPN POWER	RE/63-0956
1	R1	15r/2w (adjust for charging rate)	2512	RS/755-1110
3	(R2) R3 (R4) R5 R10	10k	1206	RE/62-1846
1	R6	470r	1206	RE/62-1839
1	R7	100r/0.66w	1206-12 or 2x220r	RS/721-9740
1	R8	33r	1206	RE/62-1804
1	R9	150r	1206	RE/62-1807
1	U1	TS9011 SCX RFG	3.3v LDO Reg SOT23 (12v IN) use 5v LDO for 1watt version	RS/398-625
1	X1	4.19304MHz	SMD XTAL or	RS/814-9484
0	X1a	4.19304MHz	leaded alternative XTAL	RS/693-8778
1	X2	24.0Mhz	SMD XTAL	RS/814-9548
Extras				
1		2.1mm POWER SOCKET	PANEL MOUNT	RS/448-370
1		4mm BANANA SOCKET	PANEL MOUNT	RE/17-2678
1		2PIN JUMPER LINK	RED	RE/223565
2		2.5MM CABLE TIE	to secure L2 & L3	
1		18 PIN DIL SOCKET	for PIC	