

SatTracker688 Parts List (Table 1)				
Number Required	Part Designation	Part Description	DigiKey	Mouser
1	U2	PIC	PIC16F688-I/P-ND	(Supplied)
1	U1	5 Volt Reg	296-1365-1-ND	512-MC78L05ACP
1	U3	FT232 (28P SSOP FTDI FT232RL USB to Serial Chip)		619-604-00043
5	D1, D2, D3, D4, D5	Red LED	67-1105-ND	
5	Q1, Q2, Q3, Q4, Q5	2N3904	2N3904FS-ND	512-2N3904TA
5	R6, R8, R10, R12, R13	330 Ohm	P330BACT-ND	291-330
1	R4	1K Ohm	P1.0KBACT-ND	291-1.0K
8	R1, R2, R3, R5, R7, R9, R11, R14	4.7K Ohm	P4.7KBACT-ND	291-4.7K
1	R15	10K Ohm	P10KBACT-ND	291-10K
1	L1	Ferrite Bead	240-2172-1-ND	81-BL01RN1A1D2B
1	C1	.01uF	P4582-ND	
1	C2	10uF Electrolytic	P1176-ND	
1	C3	10uF Tantalum	478-1840-ND	
3	C4,C5, C6	.001uf	P4551-ND	
1	C7	.1uF	P4593-ND	
1	J3	9-Pin Serial Female	183-909F-ND	
1	J4	USB Type B	609-1039-ND	
1	J1A	6-Pin Female	WM2004-ND	538-22-01-3067
1	J2A	8-Pin Female	WM2006-ND	538-22-01-3087
1	J1	6-Pin Male	WM4304-ND	538-22-05-3061
1	J2	8-Pin Male	WM4306-ND	538-22-05-3081
14	Socket Pins	Pins	WM1114-ND	538-08-50-0113
1	Socket	14-Pin DIP	ED3114-ND	
1	Plug	8-Pin DIN	CP-1080-ND	
1	Conn Header .1 inch		WM8075-ND	
2	Shunts with handle		A26242-ND	
4	Hex Standoff Spacers 3/8 inch		1892K-ND	
8	4/40 1/4 inch machine screws		H342-ND	
1	1 foot 14-line ribbon cable		AE14G-25-ND	
1	Utility Box			616-75053-510-039
1	Circuit Board			(Supplied)
1	USB A/B Cable		AE1302-ND or AE1300-ND	
1	CD-ROM with drivers and reference			(Supplied)