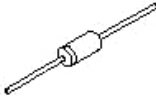
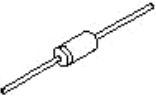



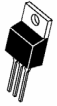

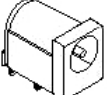
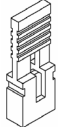


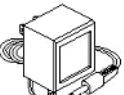

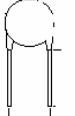
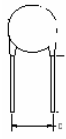
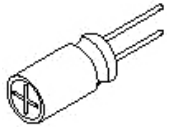


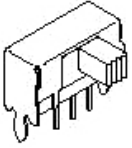


# Charger Board

Qty	Description	Reference	Figure		Fig. A	Fig. B
4	Diode – Rectifier 1N4004 – D041	D5, D6, D7, D8	A			
1	Diode – Schotkey 1N5819 - DO204AL	D2	A			
1	Diode – Zener 1N5245B – D035	D1	B		Fig. C	Fig. D
1	Diode – Zener TL431CLP – TO – 266AA (TO92)	D4	C			
1	LED – Red HLMP1700	D3	D		Fig. E	Fig. F
1	Transistor – BJT 2N4401 NPN – TO92	Q1	E			
1	Transistor – BJT TIP29C – TO220	Q2	F		Fig. G	Fig. H
4	Bolts 4-40 Pan Head 3/8" - Standard		G			
3	Bolts 4-40 Pan Head 1/2" - Standard		G		Fig. I	Fig. J
1	Power Connector PJ-002A Female Coaxial	J9	H			
1	Connector Header - .100" Shunt w/Handle	JP1	I		Fig. K	Fig. L
1	IC – Dual Op Amp TS912IN	U1	J			
7	Nuts – 4-40		K		Fig. M	Fig. N:
1	AC Adaptor – 12V/120mA Plug-In		L			
6	Batteries – Rechargeable NiCad		M		Fig. O:	Fig. P:
2	Battery Holders 3XAA 6" Leads					
1	Fuse – MFRX110 1.1A Resetable	F1	N		Fig. Q:	Fig. R:
1	Capacitor – Ceramic Disk - 0.1uF	C1	O			
1	Capacitor – Ceramic Disk - 47 pF	C2	O		Fig. S:	
1	Capacitor – Electrolytic – 330uF	C3	P			
1	10 Ω Resistor (Brn / Blk / Blk)	R4	Q			
1	12 Ω Resistor (Brn / Red / Blk)	R3	Q			
1	180 Ω Resistor (Brn / Grey / Brn)	R1	Q			
1	3.3K Ω Resistor (Or / Or / Red)	R7	Q			
1	330K Ω Resistor (Or / Or /Blk/Or)	R6	Q			
1	390 Ω Resistor (Or / White / Brn)	R2	Q			
1	4.7K Ω Resistor (Yel/ Vio. / Red)	R8	Q			
1	820K Ω Resistor (Grey / Red / Blk/Or)	R5	Q			
3	Nylon Spacers		R			
1	Switch - EG1213 Miniature SPDT	S1	S			