

CBUS DCC Command Station
Parts list

Item	Description	Supplier	Part number	Quantity	Cost (each)	Cost
Ics						
U1	MCP2551	Farnell	129-2240	1	0.89	0.89
U2	L7805	Rapid	47-3290	1	0.25	0.25
U3	18F2480	Farnell	932-1217	1	5.43	5.43
U4	L6202	Rapid	82-2064	1	4.40	4.40
U5	LM317	Rapid	47-3318	1	0.28	0.28
U6	ICL7667			1		
or	MIC4426BN	Rapid	82-4036	1	1.10	1.10
U7	L7805	Rapid	47-3290	1	0.25	0.25
BR1	1A bridge	Rapid	47-2962	1	0.10	0.10
Capacitors						
C1	2200uF 25V	Rapid	11-0330	1	0.38	0.38
C2, C3, C4, C9, C13	4.7uF 16V	Rapid	11-1018	4	0.08	0.32
C5	220nF	Rapid	08-0280	1	0.09	0.09
C6, C7, C8	100nF	Rapid	08-0270	3	0.05	0.15
C10, C11	10nF	Rapid	08-1025	2	0.08	0.16
C12	100uF 25V	Rapid	11-0250	1	0.05	0.05
Resistors						
R1	100R	Rapid	62-0346	1	0.50 100 min	0.005
R2, R10	10K	Rapid	62-0394	2	0.50 100 min	0.010
R3						
R4	220R	Rapid	62-0354	1	0.50 100 min	0.005
R5	680R	Rapid	62-0366	1	0.50 100 min	0.005
R6						
R7	100K	Rapid	62-0418	1	0.50 100 min	0.005
R11	1K	Rapid	62-0370	1	0.50 100 min	0.005
R8, R9	1K8	Rapid	62-0376	2	0.50 100 min	0.010
R12	0R5	Rapid	62-0303	2	0.50 100 min	0.010 2 x 1R in parallel ?
VR1	2K Trim	Rapid	67-0436	1	0.11	0.11
LD1	3mm yellow	Rapid	56-0410	1	0.09	0.09
LD2	3mm green	Rapid	56-0405	1	0.07	0.07
D1	1N4002S	Rapid	47-3422	1	0.05	0.05
X1	4 MHz	Rapid	90-3212	1	0.18	0.18
PB	Pushbutton	Rapid	78-1120	1	0.07	0.07
AWD	Sounder	Rapid	35-0115	1	0.89	0.89
J1, J3	2 way 5mm	Rapid	21-0260	2	3.30 36 off	0.37
J2, J5	2 x 2 way	Rapid	21-1500	4	0.21	0.84
J4	6way 0.1	Rapid	22-0545	1	0.17 6 off	0.03
IC sockets						
8 way		Rapid	22-0150	2	0.05	0.10
18 way		Rapid	22-0165	1	0.10	0.10
28 way		Rapid	22-0175	1	0.13	0.13
Heatsinks	Homemade					
PCB	homemade			1	2.00 approx	2.00
Sum						18.93
VAT						2.84
Total						21.77
						approx