

## P3 PARTS LIST

8th December 2003

## Main Board

Value	Location	Part Number	Description	Supplier
220R	R1,4,5	62-0770	MR25 0.25W 1%	Rapid
1k	R2	62-0824	"	"
1k5	R3	62-0834	"	"
150R	R6,7,8,9	62-0767	"	"
100R	R10,11,12,13	62-0762	"	"
4k7	R14,15,16,17,22	62-0862	"	"
10k	R18,21,26	62-0897	"	"
10R	R19	62-0712	"	"
22k	R20,25	62-0922	"	"
22R	R23,24	62-0724	"	"
33p	C1,2	08-1222	683 Ceramic Plate	Rapid
10uF	C3,7	11-0220	25V Radial Electrolytic	"
150pF	C4	08-0150	Ceramic Disc	"
10nF	C5	10-3210	DMP Polyester	"
100nF	C6,8,9,10,11,14,15	08-0235	Ceramic Disc	"
1000uF	C13	11-0290	16V Radial Electrolytic	"
5V6 Zener	D1	47-3016	400mW	Rapid
1N4148	D2,3,4,5	47-3308	Signal Diode	"
1N4001	D6	47-3130	Rectifier Diode	"
T89C51RD2	U1		Processor	C.Fraser
62256	U2,3	3345919	256k SRAM	Farnell
74HC573	U4	83-0152	Octal D Type Latch	Rapid
74HC138	U5,8	83-0084	3 to 8 Decoder Multiplexer	"
DS1210	U6	82-0516	Nonvolatile Controller	"
74HC574	U7,10,11,15	83-0154	Octal D Type Latch	"
74HC245	U9	83-0124	Quad Bidirectional Buffer	"
74HC241	U12,13	83-0120	Octal Tri-State Buffer	"
ADC0804LCN	U14	82-0474	8 Bit A/D Converter	"
4051B	U16	83-0384	Analogue Mult/Demult	"
6N139	U17	58-0602	Darlington Optoisolator	"
L7805CV	U18	47-3290	+5V 1A Voltage Regulator	"
BC547B	Q1,2	81-0064	NPN Gen Purpose	"
10k	VR1	67-0230	Horizontal preset	Rapid
MF-R050	F1	26-4610	500mA Bourns Multifuse	Rapid
3 Way	J1,6,7	22-0955	Straight Header	"
4 Way	J8	22-0960	Straight Header	"
16 Pin	J2,3,4,5	19-0510	Straight Boxed Header	"
DIP8	2 off	22-0400	8 Pin DIL Socket	"
DIP16	3 off	22-0410	16 Pin DIL Socket	"
DIP20	9 off	22-0420	20 Pin DIL Socket	"
DIP28	2 off	22-0435	28 Pin DIL Socket	"
DIP40	1 off	22-0440	40 Pin DIL Socket	"
18MHz	XTAL1	639540	Crystal	Farnell
CR2032	VB	18-0490	Lithium Cell	Rapid
Cell Holder	1 off	18-0498	PCB Coin Cell Holder	"
Heatsink	1 off	36-0280	PF752 Clip on Heatsink	"