

**P3 PARTS LIST**

8th December 2003

**Switch/LED Board**

Value	Location	Part Number	Description	Supplier
1N4148	D1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16	47-3308	Signal Diode	Rapid
LED	D17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32	55-0170	Tri-Colour 5mm Red/Green LED	"

16 Pin	J1	19-0560	Right Angled Boxed Header	Rapid
Keypad	S1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16	78-0655	3FTL6S Tactile Switch	"
Switch Cap	16 off	78-0665	Blue Key Cap	"

**Keypad**

Value	Location	Part Number	Description	Supplier
1N4148	D1,2,3,4,5,6,7,8,9	47-3308	Signal Diode	Rapid

16 Pin	J1	19-0510	Straight Boxed Header	Rapid
Keypad	S1,2,3,4,5,6,7,8,9	78-0655	3FTL6S Tactile Switch	"
Switch Cap	16 off	78-0660	Black Key Cap	"

**Function Board**

Value	Location	Part Number	Description	Supplier
Red LED	D1,3,5,7	55-0102	Min 3mm Red LED	Rapid
Yellow LED	D2,4,6,8	55-0110	Min 3mm Yellow LED	"
1N4148	D9,10	47-3308	Signal Diode	"

Keypad	S1,2	78-0655	3FTL6S Tactile Switch	Rapid
Switch Cap	2 off	78-0675	Red Key Cap	"
16 Pin	J1	19-0560	Right Angled Boxed Header	"
2 pin	J2	22-0950	Straight Header	"

**Pot Boards** Note: There are two Pot boards, so duplicate all parts in this section

Value	Location	Part Number	Description	Supplier
10k Pot	VR1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16	65-0715	16mm 10k Lin Pot	Rapid

100n	C1,2	10-3220	Polyester DMP5	Rapid
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4051B	U1,2	83-0384	Analogue Mult/Demult	Rapid
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DIP16	2 off	22-0410	16 Pin DIL Socket	Rapid
16 Pin	J1	19-0560	Right Angled Boxed Header	"
Knob Blue	4 off	32-0465	16mm Knob with Blue Pointer	"
Knob Yellow	4 off	32-0460	16mm Knob with Yellow Pointer	"
Knob Green	4 off	32-0455	16mm Knob with Green Pointer	"
Knob Red	4 off	32-0450	16mm Knob with Red Pointer	"

**Other**

Value	Location	Part Number	Description	Supplier
5 Pin Din	3 off	20-0550	5 Pin Din Socket	Rapid
16 Pin	J1	19-0510	Straight Boxed Header	"
16 Pin	10 off	19-0305	16 Way Cable Mounting Socket	"
2 Way	1 off	22-0905	2 Way Crimp Housing	"
3 Way	3 off	22-0910	3 Way Crimp Housing	"
4 Way	1 off	22-0915	4 Way Crimp Housing	"
Terminals	Pack 100	22-1097	0.1" Crimp Terminals	"
Ribbon	30m Reel	01-0172	16 Way Grey Ribbon Cable	"

LCD	1 off	214-3525	16x2 LCD Module	RS
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Power Switch	1 off	75-0480	SPST (Used by C.Fraser)	Rapid
Power Socket	1 off	20-0980	2.1mm Power Socket	"

10k Pot	VRTempo, VRData	65-0715	16mm 10k Lin Pot	Rapid
Knob Yellow	1 off	32-0460	16mm Knob with Yellow Pointer	"
Knob Red	1 off	32-0450	16mm Knob with Red Pointer	"

Case	1 off	1456PH1WHCWW	Hammond Case Walnut End Cheeks	Cholcroft
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Spacers	Pack 25	33-3520	10mm M3 Spacers	Rapid
Screws	Pack 100	33-4270	S/S M3 20mm Pozi CSK Screw	"
Nuts	Pack 100	33-4400	Nylon Insert Lock Nut	"

PSU	1 off	85-1656	9V 1A PSU with 2.1mm Connector	Rapid
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