

Dintree D101 Dual Envelope

Parts List

Identifier	Value	Physical Detail	Req. Qty.	Notes
<u>Resistors</u>				
R1,2,3,4,5,6,7,8	5K linear pot	0.281" hole	8	
R17,18	100R 1/4W resistor	0.400" lead spacing	2	
R21,22	1K 1/4W resistor	0.400" lead spacing	2	
R15,16	4.7K 1/4W resistor	0.400" lead spacing	2	
R9,10,11,12,13,14,19,20	10K 1/4W resistor	0.400" lead spacing	8	
<u>Capacitors</u>				
C1,2,3,4,5,6,8,9	0.1uF ceramic capacitor	0.100" lead spacing	8	
C7,10	10uF 25V electrolytic capacitor	2.54mm x 5mm	2	
<u>Semiconductor</u>				
D1,2,3,4	1N5817 schottky diode	DO-41	4	
LED1,2	3mm panel mounted LED – red	0.172" hole	2	
Q1,2	2N3904 NPN transistor	TO-92	2	
U1	LTC2622CMS8 dual 12-bit DAC	8MSOP	1	
U2	PIC16F690 microcontroller	20DIP 0.300	1	
U3	TL082 dual op amp	8DIP 0.300	1	
U4	LM78L05 +5V 100mA regulator	TO-92	1	
<u>Misc.</u>				
S1,2	SPDT on-off-on toggle switch	0.250" hole	2	
JACK1,2,3,4	panel mounted mini jack	see datasheet	4	
X1	16 pin (8x2) header pins	0.100" pitch	1	
X2,3	board to panel connections	n/a	2	
X4	5 pin (5x1) header pins	n/a	1	
SOCKET1	8MSOP to SIP adapter	8SIP	1	
SOCKET2	20 pin DIP socket	20DIP 0.300	1	
SOCKET3	8 pin DIP socket	8DIP 0.300	1	
PCB	prototyping PCB	n/a	1	
PANEL	blank panel	12HP	1	
KNOB1,2,3,4,5,6,7,8	plastic knob	n/a	8	
HARDWARE	PCB mounting hardware	n/a	1	