

Dintree D100 Quad VCA

Parts List

Identifier	Value	Physical Detail	Req. Qty.	Notes
<u>Resistors</u>				
R25,36,44,51	5K linear pot	0.281" hole	4	
R2,6,10,14	510R 1/4W metal film resistor	0.400 lead spacing	4	
R21,30,37,46,53,54,55,56	1K 1/4W metal film resistor	0.400 lead spacing	8	
R42,43,50,52	3.3K 1/4W metal film resistor	0.400 lead spacing	4	
R26,27,34,35	4.7K 1/4W metal film resistor	0.400 lead spacing	4	
R17,18,19,20,22,29,38,45	22K 1/4W metal film resistor	0.400 lead spacing	8	
R1,4,5,8,9,12,13,16,23,24,28,31,32,33,39,40,41,47,48,49	33K 1/4W metal film resistor	0.400 lead spacing	20	
R3,7,11,15,57,58,59,60	100K 1/4W metal film resistor	0.400 lead spacing	8	
<u>Capacitors</u>				
C2,3,5,7	100pF ceramic capacitor	0.100 lead spacing	4	
C1,4,6,8	560pF ceramic capacitor	0.100 lead spacing	4	
C9,10,11,12,13,14,15,16,17,18	0.1uF ceramic capacitor	0.100 lead spacing	10	
C19,20	10uF 25V electrolytic capacitor	2.54mm x 5mm	2	
<u>Semiconductors</u>				
D1,2,3,4	1N5817 schottky diode	DO-41	4	
D5,6	1N4001 silicon diode	DO-41	2	
U1	SSM2164 quad VCA	16DIP 0.300	1	
U2,3,4,5	TL082 dual op amp	8DIP 0.300	4	
<u>Misc.</u>				
JACK1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16	panel mounted mini jack	see datasheet	16	
X1	16 pin (8x2) header pins	0.100" pitch	1	
X2,3,4	board to panel connections	n/a	3	
SOCKET1	16 pin DIP socket	16DIP 0.300	1	
SOCKET2,3,4,5	8 pin DIP socket	8DIP 0.300	4	
PCB	prototyping PCB	n/a	1	
PANEL	blank panel	12HP	1	
KNOB1,2,3,4	plastic knob	n/a	4	
HARDWARE	PCB mounting hardware	n/a	1	