

## Dintree D102 Output Mixer

### Parts List

Identifier	Value	Physical Detail	Req. Qty.	Notes
<u>Resistors</u>				
R59,64	5K multi-turn trim pot	n/a		2
R69,70,71,72	10K linear dual gang pot	0.281" hole		4
R73	10K log dual gang pot	0.281" hole		1
R1,10,19,28	100K linear pot	0.281" hole		4
R5,14,23,32	100R 1/4W metal film resistor	0.400" lead spacing		4
R38,39,45,46	1K 1/4W metal film resistor	0.400" lead spacing		4
R74,75	2.7K 1/4W metal film resistor	0.400" lead spacing		2
R53,60	3.3K 1/4W metal film resistor	0.400" lead spacing		2
R3,6,9,12,15,18,21,24,27, 30,33,36,40,41,42,43,47, 48,49,50,65,66,67,68	10K 1/4W metal film resistor	0.400" lead spacing		24
R2,4,7,8,11,13,16,17,20, 22,25,26,29,31,34,35	20K 1/4W metal film resistor	0.400" lead spacing		16
R52,54,55,58,61,62	49.9K 1/4W metal film resistor	0.400" lead spacing		6
R37,44,51,56,57,63	100K 1/4W metal film resistor	0.400" lead spacing		6
<u>Capacitors</u>				
C2,4,6,9	47pF ceramic capacitor	0.100" lead spacing		4
C37,38	100pF ceramic capacitor	0.100" lead spacing		2
C11,12,13,14,15,16,17,18, 19,20,21,22,23,24,26,32,33, 34,35,36	0.1uF ceramic capacitor	0.100" lead spacing		20
C25,28	0.47uF ceramic capacitor	0.200" lead spacing		2
C1,3,5,8,29,30	4.7uF 25V electrolytic capacitor	2.54mm x 5mm		6
C7,10,27,31	10uF 25V electrolytic capacitor	2.54mm x 5mm		4
<u>Semiconductor</u>				
D1,2,5,6	1N4148 signal diode	DO-35		4
D3,4	1N5817 schottky diode	DO-41		2
LED1,2,6,7	3mm panel mounted LED – red	0.172" hole		4
LED3,4,5,8,9,10	3mm panel mounted LED – green	0.172" hole		6
U1,2,3,4,5,6,7	NE5532 dual op amp	8DIP 0.300		7
U8,9	LM3915N display driver	18DIP 0.300		2
U10,11	TL082 dual op amp	8DIP 0.300		2
<u>Misc.</u>				
JACK1,2,3,4,5,6	panel mounted mini jack	see datasheet		6
X1	16 pin (8x2) header pins	0.100" pitch		1
X2,3	board to panel connections	n/a		2
SOCKET1,2,3,4,5,6,7,10,11	8 pin DIP socket	8DIP 0.300		9
SOCKET8,9	18 pin DIP socket	18DIP 0.300		2
PCB	prototyping PCB	n/a		1
PANEL	blank panel	18HP		1
KNOB1,2,3,4,5,6,7,8,9	plastic knob	n/a		9
HARDWARE	PCB mounting hardware	n/a		1