

## Dintree D112 Power Supply

### Parts List

Identifier	Value	Manufacturer	Manufacturer Part	Physical Detail	Supplier	Supplier Part Number	Lead Time	Req. Qty.	Unit Price	Total Price	Notes
<b>Resistors</b>											
R2	330R 1/4W 5% resistor	Yageo	CFR-25JB-330R	0.400" lead spacing	Digikey	330QBK-ND		1	\$0.01	\$0.01	
R1,3	1K 1/4W 5% resistor	Yageo	CFR-25JB-1K0	0.400" lead spacing	Digikey	1.0KQBK-ND		1	\$0.01	\$0.02	
<b>Capacitors</b>											
C4,5,6	0.1uF 50V 10% ceramic	Murata	RPER71H104K2P1A03B	0.100" lead spacing	Digikey	490-3810-ND		1	\$0.10	\$0.30	
C1,2,3,7	100uF 50V electrolytic capacitor	Panasonic	EEU-FM1H101	3.5mm x 8mm	Digikey	P12392-ND		1	\$0.19	\$0.76	
<b>Semiconductors</b>											
D1	1N5401 3A rectifier	Fairchild	1N5401	DO-201AD	Digikey	1N5401FSCT-ND		1	\$0.38	\$0.38	
LED1,2,3	5mm LED – red	Kingbright	WP7113ID	5mm	Digikey	754-1264-ND		1	\$0.07	\$0.21	
U1	+/-12V 15W isolated DC-DC	CUI	VBED15-D12-D12-1	see datasheet	Digikey	102-1249-ND		1	\$42.69	\$42.69	
U2	+5V 500mA DC-DC	CUI	V7805-500	TO-220	Digikey	102-1709-ND		1	\$7.01	\$7.01	
<b>Misc.</b>											
S1	SPDT toggle switch R/A	Carling	2M1-SP1-T2-B4-M6RE	see datasheet	Digikey	432-1164-ND		1	\$2.67	\$2.67	
X1,2,3,4,5,6,7,8,9,10,11,12	16 pos (8x2) shrouded header pins	Assmann	AWHW16G-0202-T-R	see datasheet	Digikey	HRP16H-ND		1	\$0.65	\$7.80	
X13	2.1mm DC coax connector	CUI	PJ-102AH	see datasheet	Digikey	CP-102AH-ND		1	\$0.63	\$0.63	
PCB	custom PCB	Dintree	D112-PSU-VERA	7.000" x 2.600"	MyroPCB	D112-PSU-VERA		1	\$7.20	\$7.20	
										<b>Total</b>	<b>\$69.67</b>