

Bill Of Materials For 1T4 Power Supply

Design Title : 1T4 Power Supply
Author : Robert Nance Dee
Revision :
Design Created : Thursday, February 02, 2012
Design Last Modified : Wednesday, March 07, 2012
Total Parts In Design : 51

22 Resistors

<u>Quantity:</u>	<u>References</u>	<u>Value</u>	<u>Order Code</u>
6	R1, R6, R9-R11, R20	1k	
9	R2-R4, R7, R8, R15, R16, R21, R22	10k	
1	R5	3.9k	
1	R12	100k	
2	R13, R14	100	
3	R17-R19	120	

15 Capacitors

<u>Quantity:</u>	<u>References</u>	<u>Value</u>	<u>Order Code</u>
2	C1, C3	10000uF	Maplin VH59P
1	C2	10000uF	
1	C4	1000u	Maplin VH53H
1	C5	0.1u	Digikey 495-4167-ND
2	C6, C7	10000u	Maplin VH59P
5	C8-C11, C15	.1uF	
2	C12, C13	1000uF	
1	C14	0.1u	MOUSER 581-BF024D0104J

2 Integrated Circuits

<u>Quantity:</u>	<u>References</u>	<u>Value</u>	<u>Order Code</u>
1	U1	TLC3702	
1	U2	TL431	

2 Transistors

<u>Quantity:</u>	<u>References</u>	<u>Value</u>	<u>Order Code</u>
2	Q1, Q2	VP0104	

2 Diodes

<u>Quantity:</u>	<u>References</u>	<u>Value</u>	<u>Order Code</u>
2	D1, D2	1N4007	

8 Miscellaneous

<u>Quantity:</u>	<u>References</u>	<u>Value</u>	<u>Order Code</u>
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1	BR1	MDB10S
1	BR2	MDBS10S
1	J1	12.6V□C
1	J2	40V□C
1	J3	Fil out
1	J4	60VDC
1	J5	24V□C
1	J6	Buffer

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