



1864_12B
SM
9/27/01

1V to 5.5V @ 12A

10.8-13.2V Input
1V to 5.5V @ 12A Output
09/26/01

1864_12B

DESIGNATION	QTY	DESCRIPTION
C2	1	Cap 22pF 50V Ceramic NPO 0805, Panasonic (ECJ-2CV1H220J)
C10	1	Cap 1.5nF 50V Ceramic X7R 0805, Panasonic (ECJ-2VB1H152K)
C11	1	Cap 3.3nF 50V Ceramic X7R 0805, Panasonic (ECJ-2VB1H332K)
C1	1	Cap 15nF 50V Ceramic X7R 0805, Panasonic (ECJ-2VB1H153K)
C3,C12	2	Cap 0.1uF 25V X7R Ceramic 0805, Panasonic (ECJ-2VB1E104K)
C4	1	Cap 1.0uF 10V X7R Ceramic 0805, Taiyoyuden (LMK212BJ105M)
C9	1	Cap 33uF 6.3V Electrolytic, Sanyo (6MV33HC)
C5-C7	3	Cap 270 uF 16V OSCON, Sanyo (16SP270M)
C8	1	Cap 680 uF 6.3V OSCON, Sanyo (6SP680M)
D1	1	Diode 30V 0.1A Schottky SOT-23, Central Semi (CMPSH-3)
D2	1	Diode 40V 3A Schottky SMC, Centralsemi (CMSH3-40)
N1-N3	3	NFET 0.012 Ohm 30V SO-8, International Rectifier (IRF7811W)
R8,R9	2	Resistor 1.0 Ohm 5% 0805
R12,R13	2	Resistor 10 Ohm 5% 1206
R11	1	Resistor 10.5k Ohm 1% 0805
R10	1	Resistor 24.9k Ohm 1% 0805
R1,R2	2	Resistor 22.6k Ohm 1% 0805
R4	1	Resistor 100k Ohm 5% 0805
L1	1	Inductor, 2.2uH Coiltronics (HC2-2R2)
U1	1	IC xDSL/Cable Modem Triple Output Power Supplies 16 QSOP, Maxim (MAX1864TEEP)
U2	1	IC Low-Power, Parallel-Input Voltage-Output, 10-Bit DAC 24 SSOP, Maxim (MAX503CAG)