

BILL OF MATERIALS
23V to 25V Input
7V @ 500mA, 5V @ 1A, -5V @ 100mA Output
03/15/01

1865t_7b

DESIGNATION	QTY	DESCRIPTION
C1	1	8.2nF ceramic capacitor (0805)
C2	1	1uF 10V ceramic capacitor (0805) Taiyo Yuden LMK212BJ105MG
C3	1	0.1uF ceramic capacitor (0805)
C4	1	220uF 35V aluminum electrolytic capacitor Sanyo 35MV220CA
C5,C7,C8,C12	4	220uF 10V aluminum electrolytic capacitor Sanyo 10MV220CA
C6,C9	2	4700pF ceramic capacitor (0805)
C10,C11	2	2.2uF 10V ceramic capacitor (0805) Taiyo Yuden LMK212BJ225MG
D2	1	2.1A 60V Schottky diode Nihon EC21QS06
D2	1	1A 100V Schottky diode On Semiconductor MBR5100
N1	1	55m Ohm 30V Dual MOSFET (8-SO) Fairchild Semi NDS6930A
Q2	1	1A, -80V PNP transistor (TO-220) TIP30B
Q3	1	200mA, 40V NPN transistor (TO-92) 2N3904
R1	1	200k Ohm 5% resistor (0805)
R2,R3	2	22 Ohm 5% resistor (0805)
R4,R9,R10	3	46.4k Ohm 1% resistor (0805)
R5,R8	2	10.0k Ohm 1% resistor (0805)
R6,R11	3	220 Ohm 5% resistor (0805)
R7	1	30.1k Ohm 1% resistor (0805)
R12	1	100k Ohm 5% resistor (0805)
T1	1	1:1Transformer Lpri=15.2uH Coiltronics VP3-0047
U1	1	MAX1865TEEP (20-QSOP)