



Texas Instruments

Title {Title}		
Size C	Number PMP2302	Rev A
Date 12-20-2006	Drawn by R Kollman	
Filename PMP2302_REV_A_SCH	Sheet 1 of 1	

PMP2302_REV_A BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
2	C1, C11	10uF	Capacitor, Ceramic, 16V, X7R, 10%	1206	Std	Std
2	C10, C19	150pF	Capacitor, Ceramic, 150-pF, 50-V, NPO, 15%	0603	Std	TDK
2	C2, C12	100pF	Capacitor, Ceramic, 100-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C3	0.01uF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	TDK
2	C4, C13	1000pF	Capacitor, Ceramic, 470-pF, 50-V, X7R, 15%	0603	Std	TDK
2	C5, C14	0.1uF	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 15%	0603	Std	TDK
2	C6, C15	10uF	Capacitor, Ceramic, 10-uF, 6.3-V, X5R, 15%	1210	Std	TDK
2	C7, C16	470pF	Capacitor, Ceramic, 470-pF, 50-V, X7R, 15%	0603	Std	TDK
2	C8, C17	33pF	Capacitor, Ceramic, 33-pF, 50-V, X7R, 15%	0603	Std	TDK
2	C9, C18	0.47uF	Capacitor, Ceramic, 0.01-uF, 50-V, X7R, 15%	0603	Std	TDK
1	D1	MMBZ5230BLT1	Diode, Zener, 4.7-V, 40-mA, 225-mW, q%	SOT23	MMBZ5230BLT1	Motorola
2	D2, D3	B340	Diode, Schottky, 3-A, 40-V	SMC	B340	XXX
3	J1, J2, J3	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
2	L1, L2	33uH	Inductor, SMT, 33-uH, 3.23-A, 0.06-ohm	0.492 sq"	DR127-330	Coiltronics
2	Q1, Q3	IRLMS6802	MOSFET, P-ch, -20-V, yy-A, 50-milliOhms	Micro6		
1	Q2	2N7002DICT	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	SOT23	2N7002DICT	Vishay-Liteon
1	R1	10K	Resistor, Chip, 127K-Ohms, 1/16-W, 1%	0603	Std	Std
2	R10, R21	49.9	Resistor, Chip, 49.9-Ohms, 1/16-W, 1%	0603	Std	Std
1	R12	140K	Resistor, Chip, 140K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R13	16.2K	Resistor, Chip, 16.2K-Ohms, 1/16-W, 1%	0603	Std	Std
3	R2, R3, R14	127K	Resistor, Chip, 127K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R22	26.7K	Resistor, Chip, 26.7K-Ohms, 1/16-W, 1%	0603	Std	Std
2	R4, R15	0.03	Resistor, Chip, 0.03-Ohms, 1/2-W, 1%	2010	Std	Std
2	R5, R16	1.0K	Resistor, Chip, 2.2-Ohms, 1/16-W, 1%	0603	Std	Std
2	R6, R17	0	Resistor, Chip, 0-Ohms, 1/16-W, 1%	0603	Std	Std
2	R7, R18	30.1K	Resistor, Chip, 30.1K-Ohms, 1/16-W, 1%	0603	Std	Std
3	R8, R11, R19	4.99K	Resistor, Chip, 4.99K-Ohms, 1/16-W, 1%	0603	Std	Std
2	R9, R20	100K	Resistor, Chip, 100K-Ohms, 1/16-W, 1%	0603	Std	Std
9	TP1, TP3, TP6, TP7, TP8, TP9, TP10, TP12, TP13	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 in	5000	Keystone
4	TP2, TP4, TP5, TP11	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 in	5001	Keystone
2	U1, U3	TPS40200D	IC, Low Cost Sync Buck Controller	SO-8	TPS40200D	TI
1	U2	TPS3801-01DCK	IC, Voltage Supervisor, 1.14 Volts, 200ms	SOP-5 (DCK)	TPS3801-01DCK	TI

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