



Texas Instruments

Title		
Size	Number	Rev
C	PMP2303	A
Date	12-20-2006	Drawn by R Kollman
Filename	PMP2303_REV_A.SCH	Sheet 1 of 1

PMP2303_REV_A BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
2	C1, C11	10uF	Capacitor, Ceramic, 16V, X7R, 10%	1206	Std	Std
1	C10	0.01uF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	TDK
4	C2, C7, C12, C17	0.1uF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	TDK
2	C3, C13	2200pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	TDK
2	C4, C14	330uF	Capacitor, POSCap, 6.3V, 20%	7343 (D)	6TPE330ML	Sanyo
2	C5, C15	10uF	Capacitor, Ceramic, 10V, X5R, 15%	0805	Std	TDK
2	C6, C16	470pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	TDK
2	C8, C18	4.7uF	Capacitor, Ceramic, 10V, X5R, 15%	0805	Std	TDK
2	C9, C19	100pF	Capacitor, Ceramic, 100-pF, 50-V, X7R, 15%	0603	Std	TDK
1	D1	MMBZ5230BLT1	Diode, Zener, 4.7-V, yy-mA, zz-mW, q%	SOT23	MMBZ5230BLT1	Motorola
1	J1	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
2	J2, J3	ED1609-ND	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35	ED1609	
2	L1, L2	6.8uH	Inductor, SMT, 7.34-A, 11.6-milliohm	0.492 sq"	DR127-6R8	Coiltronics
2	Q1, Q3	Si4426	MOSFET, N-ch, 20-V, 8.5-A, 25-milliOhms	SO8	Si4426DY	Vishay
2	Q2, Q4	Si4408DY	MOSFET, N-ch, 20V, 21A, 6.8 milliohm	SO8	Si4408DY	Vishay
2	R1, R12	10.0K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R10	4.99K	Resistor, Chip, 4.99K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R11	16.2K	Resistor, Chip, 16.2K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R18	22.0K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R2, R13	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
5	R3, R5, R7, R14, R16	100K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R4, R15	3.3	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R6, R17	4.99K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R8, R19	Open	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	10K	Resistor, Chip, 127K-Ohms, 1/16-W, 1%	0603	Std	Std
7	TP1, TP3, TP4, TP5, TP7, TP8, TP9	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 in	5000	Keystone
3	TP2, TP6, TP10	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 in	5001	Keystone
2	U1, U3	TPS40190DRC	IC, Low cost synchronous buck controller	DRC10	TPS40190DRC	TI
1	U2	TPS3801-01DCK	IC, Voltage Supervisor, 1.14 Volts, 200ms	SOP-5 (DCK)	TPS3801-01DCK	TI

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