

Date: 03/22/2012

**PMP7428 Bill of Materials**

COUNT	RefDes	Value	Description	Size	Part Number	MFR
14	C1, C2, C3, C4, C5, C23, C24, C25, C27, C28, C29, C32, C35, C36	10uF	Capacitor, Ceramic Chip, 50V, X5R, 20%	1206	Std	Std
3	C11, C18, C19	0.47uF	Capacitor, Ceramic Chip, 16V, X5R, 20%	0402	Std	Std
2	C12, C13	0.047uF	Capacitor, Ceramic Chip, 25V, X7R, 10%	0402	Std	Std
1	C16	22pF	Capacitor, Ceramic Chip, 25V, X7R, 10%	0402	Std	Std
1	C17	0.01uF	Capacitor, Ceramic Chip, 25V, X7R, 10%	0402	Std	Std
4	C20, C21, C30, C31	1000pF	Capacitor, Ceramic Chip, 25V, X7R, 10%	0402	Std	Std
4	C22, C26, C100, C101	150uF	Capacitor, Aluminum, SMT, 10V, 15mohm	7343(D)	10TPF150ML	Sanyo
2	C6, C7	1uF	Capacitor, Ceramic Chip, 16V, X5R, 20%	0402	Std	Std
1	C8	100pF	Capacitor, Ceramic Chip, 16V, X5R, 20%	0402	Std	Std
1	C9	0.1uF	Capacitor, Ceramic Chip, 50V, X7R, 10%	0402	Std	Std
2	D1, D2	MBR0540L	Diode, Schottky, 0.5A, 20V	SOD-123	MBR0520L	Fairchild
2	L1, L2	6.8uH	Inductor, Power Choke, 4.1mohm, 18.5A	18.2 x 18.3 mm	7443556680	Wurth Elektronik
4	Q1, Q2, Q3, Q4	CSD18501Q5	MOSFET, Nch, 40V, 100A, 5 milliohm	SO8	CSD18501Q5	TI
1	R10	20.0K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R11	3.40K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R14, R15	39.2K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
9	R16, R21, R22, R27, R28, R29, R30, R100, R101	0	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R18, R20	0.006	Resistor, Chip, 1/2W, 1%	2010	Std	Std
1	R2	100K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
4	R23, R24, R31, R32	10	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R3	5.49K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R4	16.2K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R7	49.9K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R8	49.9	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	U1	LM25119PSQ	IC, Wide Input Range Dual Synchronous Buck Controller	QFN	LM25119PSQ	TI

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