

PMP20129_RevB_BOM.xls						
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<b>PMP20129 REV B Bill of Materials</b>						
						
Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C23, C24	2	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	603
C2	1	470pF	C1608C0G1H471J	TDK	CAP, CERM, 470pF, 50V, +/-5%, C0G/NP0, 0603	603
C13	1	4700pF	GRM188R71H472KA01D	MuRata	CAP, CERM, 4700 pF, 50 V, +/- 10%, X7R, 0603	603
C19, C20	2	0.01uF	GRM188R71E103KA01D	MuRata	CAP, CERM, 0.01 µF, 25 V, +/- 10%, X7R, 0603	603
C21, C25	2	0.033uF	GRM188R71E333KA01D	MuRata	CAP, CERM, 0.033 µF, 25 V, +/- 10%, X7R, 0603	603
C12, C17, C26	3	1uF	C1608X7R1C105K080AC	TDK	CAP, CERM, 1 µF, 16 V, +/- 10%, X7R, 0603	603
C7, C14, C15	3	0.1uF	C2012X7R2A104K125AA	TDK	CAP, CERM, 0.1 µF, 100 V, +/- 10%, X7R, 0805	805
C22	1	100pF	GRM21A5C2E101JW01D	MuRata	CAP, CERM, 100 pF, 250 V, +/- 5%, C0G/NP0, 0805	805
C1	1	10uF	GRM31CR71C106KAC7L	MuRata	CAP, CERM, 10 µF, 16 V, +/- 10%, X7R, 1206	1206
C8, C9, C10	3	100uF	GRM32ER60J107ME20L	MuRata	CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1210	1210
C4, C5, C6	3	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1210	1210
C16, C18	2	2200pF	C4532X7R3D222K	TDK	CAP, CERM, 2200 pF, 2000 V, +/- 10%, X7R, 1812	1812
C11	1	330uF	6TPE330ML	Panasonic	CAP, Tantalum Polymer, 330 µF, 6.3 V, +/- 20%, 0.025 ohm, 7.3x2.8x4.3mm SMD	7.3x2.8x4.3mm
C3	1	22uF	EEE-FK2A220P	Panasonic	CAP, AL, 22uF, 100V, +/-20%, 1.3 ohm, SMD	SMT Radial F
D1, D2, D3, D6	4		MMSD4148T1G	ON Semiconductor	Diode, Switching, 100V, 0.2A, SOD-123	SOD-123
D4	1		MURA120T3G	ON Semiconductor	Diode, Ultrafast, 200 V, 1 A, SMA	SMA
D5	1		B130-13-F	Diodes Inc.	Diode, Schottky, 30 V, 1 A, SMA	SMA
D7	1		BAT54S-7-F	Diodes Inc.	Diode, Schottky, 30V, 0.2A, SOT-23	SOT-23
J1, J2	2		ED555/2DS	OST	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm
L1	1	3.3uH	LPS4018-332MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 3.3uH, 1.9A, 0.08 ohm, SMD	LPS4018
Q1	1		CSD18503Q5A	Texas Instruments	MOSFET, N-CH, 40 V, 19 A, SON 5x6mm	SON 5x6mm
Q2	1		MMBT3906	Fairchild Semiconductor	Transistor, PNP, 40V, 0.2A, SOT-23	SOT-23
Q3	1		FDS86242	Fairchild Semiconductor	MOSFET, N-CH, 150 V, 4.1 A, SOIC-8	SOIC-8
R14	1	0	ERJ-3GEY0R00V	Panasonic	RES, 0 ohm, 5%, 0.1W, 0603	603
R2	1	4.7	CRCW06034R70JNEA	Vishay-Dale	RES, 4.7 ohm, 5%, 0.1W, 0603	603
R6	1	10	CRCW060310R0JNEA	Vishay-Dale	RES, 10, 5%, 0.1 W, 0603	603
R11	1	24.9	CRCW060324R9FKEA	Vishay-Dale	RES, 24.9, 1%, 0.1 W, 0603	603
R17	1	237	CRCW0603237RFKEA	Vishay-Dale	RES, 237 ohm, 1%, 0.1W, 0603	603
R15	1	332	CRCW0603332RFKEA	Vishay-Dale	RES, 332 ohm, 1%, 0.1W, 0603	603
R20	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00k ohm, 1%, 0.1W, 0603	603
R12	1	1.50k	CRCW06031K50FKEA	Vishay-Dale	RES, 1.50 k, 1%, 0.1 W, 0603	603
R9	1	3.83k	CRCW06033K83FKEA	Vishay-Dale	RES, 3.83 k, 1%, 0.1 W, 0603	603
R3	1	4.99k	CRCW06034K99FKEA	Vishay-Dale	RES, 4.99k ohm, 1%, 0.1W, 0603	603
R21	1	5.90k	CRCW06035K90FKEA	Vishay-Dale	RES, 5.90k ohm, 1%, 0.1W, 0603	603
R18, R19	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0k ohm, 1%, 0.1W, 0603	603
R10	1	25.5k	CRCW060325K5FKEA	Vishay-Dale	RES, 25.5 k, 1%, 0.1 W, 0603	603
R8	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	603
R1	1	20	CRCW080520R0JNEA	Vishay-Dale	RES, 20 ohm, 5%, 0.125W, 0805	805
R16	1	0.2	CSR1206FKR200	Stackpole Electronics Inc	RES, 0.2, 1%, 0.5 W, 1206	1206
R4	1	20k	CRCW120620K0JNEA	Vishay-Dale	RES, 20 k, 5%, 0.25 W, 1206	1206
R5	1	3.3	CRCW12063R30JNEA	Vishay-Dale	RES, 3.3, 5%, 0.25 W, 1206	1206
R7	1	3.3k	CRCW20103K30JNEF	Vishay-Dale	RES, 3.3 k, 5%, 0.75 W, 2010	2010
R13	1	75	CRCW201075R0JNEF	Vishay-Dale	RES, 75, 5%, 0.75 W, 2010	2010
T1	1		LDT0583-50	Linkcom Manufacturing Co.	Transformer, 42uH, SMT	15.14x14x13.5mm
U2	1		HMHA2801A	Fairchild Semiconductor	Optocoupler, 3.75kV RMS, SMT	Mini Flat Package
U1	1		LM5020MM-1/NOPB	Texas Instruments	100V Current Mode PWM Controller, 10-pin MSOP, Pb-Free	MUB10A
U3	1		TLV431AIDBVRA	Texas Instruments	Low Voltage Adjustable Precision Shunt Regulator, 39 ppm / degC, 15 mA, -40 to 85 degC, 5-pin SOT-23 (DBV), Green (RoHS & no Sb/Br)	DBV0005A

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