

**PMP22088 REV 1.0 Bill of Materials**

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	2.2uF	C2012X7R1V225K085AC	TDK	CAP, CERM, 2.2 $\mu$ F, 35 V, +/- 10%, X7R, 0805	0805
C2	1	4.7uF	GRM188Z71C475KE21D	MuRata	CAP, CERM, 4.7 $\mu$ F, 16 V, +/- 10%, X7R, 0603	0603
C3	1	0.1uF	GRM155R71C104KA88D	MuRata	CAP, CERM, 0.1 $\mu$ F, 16 V, +/- 10%, X7R, 0402	0402
C4	1	150pF	GRM31A5C2J151JW01D	MuRata	CAP, CERM, 150 pF, 630 V, +/- 5%, C0G/NP0, 1206	1206
C5	1	2.2uF	C1206C225K4RACTU	Kemet	CAP, CERM, 2.2 $\mu$ F, 16 V, +/- 10%, X7R, 1206	1206
C6	1	220pF	C0603X221K5RACTU	Kemet	CAP, CERM, 220 pF, 50 V, +/- 10%, X7R, 0603	0603
C7	1	0.082uF	GRM188R71E823KA01D	MuRata	CAP, CERM, 0.082 $\mu$ F, 25 V, +/- 10%, X7R, 0603	0603
C8	1	47pF	GRM1555C1H470FA01D	MuRata	CAP, CERM, 47 pF, 50 V, +/- 1%, C0G/NP0, 0402	0402
C9	1	0.01uF	06031C103KAT2A	AVX	CAP, CERM, 0.01 $\mu$ F, 100 V, +/- 10%, X7R, 0603	0603
C10	1	100pF	VJ1210A101JXGAT5Z	Vishay-Vitramon	CAP, CERM, 100 pF, 1000 V, +/- 5%, C0G/NP0, 1210	1210
C11	1	4700pF	06031C472JAT2A	AVX	CAP, CERM, 4700 pF, 100 V, +/- 5%, X7R, 0603	0603
C12	1	47pF	GRM1885C1H470FA01J	MuRata	CAP, CERM, 47 pF, 50 V, +/- 1%, C0G/NP0, 0603	0603
C13	1	120uF	35ZLQ120MEFC6.3X11	Rubycon	CAP, AL, 120 $\mu$ F, 35 V, +/- 20%, TH	D6.3xL11mm
D1, D2	2	600V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600 V, 1 A, AEC-Q101, SMA	SMA
D3	1	600V	ES1JAF	Fairchild Semiconductor	Diode, Ultrafast, 600 V, 1 A, AEC-Q101, SMAF	SMAF
J1	1		4-644694-4	TE Connectivity	Header, 100 mil, 14x1, Tin, R/A, TH	Header, 100 mil, 14x1, R/A, TH
J2	1		5-146261-1	TE Connectivity	Header, 100mil, 2x1, Gold, TH	Header, 2x1, 100mil
Q1, Q2	2	60V	2N7002KW	Fairchild Semiconductor	MOSFET, N-CH, 60 V, 0.31 A, SOT-323	SOT-323
R1, R2, R4	3	1.65k	CRCW12061K65FKEA	Vishay-Dale	RES, 1.65 k, 1%, 0.25 W, 1206	1206
R3	1	2.2	CRCW06032R20JNEA	Vishay-Dale	RES, 2.2, 5%, 0.1 W, 0603	0603
R5	1	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, 0603	0603
R6	1	140k	CRCW0603140KFKEA	Vishay-Dale	RES, 140 k, 1%, 0.1 W, 0603	0603
R7	1	80.6k	CRCW060380K6FKEA	Vishay-Dale	RES, 80.6 k, 1%, 0.1 W, 0603	0603
R8	1	59.0k	CRCW060359K0FKEA	Vishay-Dale	RES, 59.0 k, 1%, 0.1 W, 0603	0603
R9, R10, R11	3	4.99Meg	CRCW12064M99FKEA	Vishay-Dale	RES, 4.99 M, 1%, 0.25 W, 1206	1206
R12	1	8.45k	RC0603FR-078K45L	Yageo America	RES, 8.45 k, 1%, 0.1 W, 0603	0603
R13	1	44.2k	CRCW060344K2FKEA	Vishay-Dale	RES, 44.2 k, 1%, 0.1 W, 0603	0603
R14, R15	2	487k	CRCW0402487KFKED	Vishay-Dale	RES, 487 k, 1%, 0.063 W, 0402	0402
R16, R17	2	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
TP3	1		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
U1	1		UCC25640-4DDBR	Texas Instruments	Enhanced LLC Resonant Controller with Driver, DDB0014A (SOIC-14)	DDB0014A

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