

## PMP30502 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C101, C105	2	4.7uF	GRM188Z71C475KE21D	MuRata	CAP, CERM, 4.7 $\mu$ F, 16 V,+/- 10%, X7R, 0603	0603
C102, C106	2	1uF	GRM21BR71C105KA01L	MuRata	CAP, CERM, 1 $\mu$ F, 16 V,+/- 10%, X7R, 0805	0805
C103, C107	2	0.01uF	C0603C103J5RACTU	Kemet	CAP, CERM, 0.01 $\mu$ F, 50 V,+/- 5%, X7R, 0603	0603
C104, C108	2	4.7uF	GRM319R61E475KA12D	MuRata	CAP, CERM, 4.7 $\mu$ F, 25 V,+/- 10%, X5R, 1206	1206
Cac	1	2700pF	08055C272KAT2A	AVX	CAP, CERM, 2700 pF, 50 V,+/- 10%, X7R, 0805	0805
Cbst	1	0.47uF	C1608X7R1H474K080AC	TDK	CAP, CERM, 0.47 $\mu$ F, 50 V,+/- 10%, X7R, 0603	0603
Cbyp	1	0.1uF	C2012X7R1H104K085AA	TDK	CAP, CERM, 0.1 $\mu$ F, 50 V,+/- 10%, X7R, 0805	0805
Cen	1	1000pF	08055C102KAT2A	AVX	CAP, CERM, 1000 pF, 50 V,+/- 10%, X7R, 0805	0805
Cf	1	2.2uF	UMK212BB7225KG-T	Taiyo Yuden	CAP, CERM, 2.2 $\mu$ F, 50 V,+/- 10%, X7R, 0805	0805
Cin1, Cin2	2	56uF	50HVVH56M	Used in BOM report	CAP, [Technology], 56uF, 50V, +/-xx%, xxOhm ESR, [MountType]	Used in PnP output and some BOM reports
Cin3	1	0.47uF	GRM31MR71H474KA01L	MuRata	CAP, CERM, 0.47 $\mu$ F, 50 V,+/- 10%, X7R, 1206	1206
Co1, Co2	2	220uF	PCF0J221MCL1GS	Used in BOM report	CAP, [Technology], 220uF, 6.3V, +/-xx%, xxOhm ESR, [MountType]	Used in PnP output and some BOM reports
Cr	1	0.01uF	08055C103JAT2A	AVX	CAP, CERM, 0.01 $\mu$ F, 50 V,+/- 5%, X7R, 0805	0805
Css	1	0.068uF	GRM219R71E683KA01D	MuRata	CAP, CERM, 0.068 $\mu$ F, 25 V,+/- 10%, X7R, 0805	0805
Cvcc	1	4.7uF	GRM21BR71C475KA73L	MuRata	CAP, CERM, 4.7 $\mu$ F, 16 V,+/- 10%, X7R, 0805	0805
D101, D103	2	60V	MBRA160T3G	ON Semiconductor	Diode, Schottky, 60 V, 1 A, SMA	SMA
D102, D104	2	DNP	DNP	Used in BOM report	Diode, Zener, xxV, xxxmW, [PackageReference]	Used in PnP output and some BOM reports
GND, GND, Vin, Vout	4		1598-2	Keystone	Terminal, Turret, TH, Triple	Keystone1598-2
M1, M2	2	60V	SI7850DP-E3	Vishay-Siliconix	MOSFET, N-CH, 60 V, 6.2 A, PowerPAK SO-8	PowerPAK SO-8
Rfb1	1	4.99k	CRCW06034K99FKEA	Vishay-Dale	RES, 4.99 k, 1%, 0.1 W, 0603	0603
Rfb2	1	22.6k	CRCW060322K6FKEA	Vishay-Dale	RES, 22.6 k, 1%, 0.1 W, 0603	0603
Rlim	1	1.40k	CRCW06031K40FKEA	Vishay-Dale	RES, 1.40 k, 1%, 0.1 W, 0603	0603
Ron	1	200k	CRCW0603200KFKEA	Vishay-Dale	RES, 200 k, 1%, 0.1 W, 0603	0603
Rr	1	33.2k	CRCW060333K2FKEA	Vishay-Dale	RES, 33.2 k, 1%, 0.1 W, 0603	0603
T101	1	12.25uH 1:2.14	custom made	Used in BOM report	1 Input 2 Output XFMR	Used in PnP output and some BOM reports
TP101, TP103	2		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP102, TP104	2		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		LM3150MH	Texas Instruments	SIMPLE SWITCHER® CONTROLLER, 42V Synchronous Step-Down, 14-pin TSSOP-EP	MXA14A
U101, U102	2		LP2992AIM5-5.0/NOPB	Texas Instruments	Micropower 250 mA Low-Noise Ultra Low-Dropout Regulator, 5-pin SOT-23, Pb-Free	MF05A

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