

**PMP40376 REV E1 Bill of Materials**

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2, C3	3	0.01uF	VJ1206Y103KXEAT5Z	Vishay-Vitramon	CAP, CERM, 0.01 µF, 500 V,+/- 10%, X7R, 1206	1206
C4, C6, C9, C15, C16	5	1uF	GRM21BR71H105KA12L	MuRata	CAP, CERM, 1 µF, 50 V,+/- 10%, X7R, 0805	0805
C5	1	4.7uF	GRM32ER71H475KA88L	MuRata	CAP, CERM, 4.7 µF, 50 V,+/- 10%, X7R, 1210	1210
C7, C8	2	22pF	12067A220JAT2A	AVX	CAP, CERM, 22 pF, 500 V,+/- 5%, C0G/NP0, 1206	1206
C10	1	0.1uF	CC0805KRX7R9BB104	Yageo America	CAP, CERM, 0.1 µF, 50 V,+/- 10%, X7R, 0805	0805
C11	1	2200pF	C0805C222K2RAC	Kemet	CAP, CERM, 2200 pF, 200 V, +/- 10%, X7R, 0805	0805
C12	1	0.047uF	GRM188R71H473KA61D	MuRata	CAP, CERM, 0.047 µF, 50 V,+/- 10%, X7R, 0603	0603
C13	1	560pF	06035A561JAT2A	AVX	CAP, CERM, 560 pF, 50 V,+/- 5%, C0G/NP0, 0603	0603
C14	1	0.033uF	06035C333JAT2A	AVX	CAP, CERM, 0.033 µF, 50 V,+/- 5%, X7R, 0603	0603
D1	1	600V	MURS160T3G	ON Semiconductor	Diode, Ultrafast, 600 V, 2 A, SMB	SMB
D2, D5, D6, D7	4	200V	BAS20HT1G	ON Semiconductor	Diode, Switching, 200 V, 0.2 A, AEC-Q101, SOD-323	SOD-323
D3	1	100V	BAS16J,135	Nexperia	Diode, Switching, 100 V, 0.25 A, SOD-323F	SOD-323F
D4	1	150V	SMAJ150CA	Littelfuse	Diode, TVS, Bi, 150 V, SMA	SMA
D8	1	13V	MMSZ5243B-7-F	Diodes Inc.	Diode, Zener, 13 V, 500 mW, SOD-123	SOD-123
D9	1	100V	DFLS1100-7	Diodes Inc.	Diode, Schottky, 100 V, 1 A, PowerDI123	PowerDI123
D10	1	Green	LTST-C190GKT	Lite-On	LED, Green, SMD	1.6x0.8x0.8mm
Q1	1	600V	IPB60R199CPATMA1	Infineon Technologies	MOSFET, N-CH, 600 V, 16 A, DDPAK	DDPAK
Q2	1	150V	BSC160N15NS5ATMA1	Infineon Technologies	MOSFET, N-CH, 150 V, 56 A, PG-TDSON-8	PG-TDSON-8
Q3	1	40 V	MMBT3906	Fairchild Semiconductor	Transistor, PNP, 40 V, 0.2 A, SOT-23	SOT-23
Q4	1	60V	2N7002	Fairchild Semiconductor	MOSFET, N-CH, 60 V, 115 A, SOT-23	SOT-23
Q5	1	40 V	MMBT3904	Fairchild Semiconductor	Transistor, NPN, 40 V, 0.2 A, SOT-23	SOT-23
R1, R2, R3, R4, R7, R8, R9, R10, R12	9	100k	CRCW1206100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.25 W, 1206	1206
R5	1	909k	CRCW1206909KFKEA	Vishay-Dale	RES, 909 k, 1%, 0.25 W, 1206	1206
R6, R21	2	1.00	CRCW06031R00FKEA	Vishay-Dale	RES, 1.00, 1%, 0.1 W, 0603	0603
R11, R20, R26, R34, R36, R40, R42	7	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R13	1	6.8	CRCW08056R80JNEA	Vishay-Dale	RES, 6.8, 5%, 0.125 W, 0805	0805
R14	1	866k	CRCW0603866KFKEA	Vishay-Dale	RES, 866 k, 1%, 0.1 W, 0603	0603
R15	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
R16	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R17, R28, R39	3	10	CRCW060310R0JNEA	Vishay-Dale	RES, 10, 5%, 0.1 W, 0603	0603
R18	1	39.2k	CRCW060339K2FKEA	Vishay-Dale	RES, 39.2 k, 1%, 0.1 W, 0603	0603
R19	1	160k	CRCW0603160KJNEA	Vishay-Dale	RES, 160 k, 5%, 0.1 W, 0603	0603
R22	1	18.2k	CRCW060318K2FKEA	Vishay-Dale	RES, 18.2 k, 1%, 0.1 W, 0603	0603
R23	1	470	CRCW0603470RJNEA	Vishay-Dale	RES, 470, 5%, 0.1 W, 0603	0603
R24	1	15.0	CRCW120615R0FKEA	Vishay-Dale	RES, 15.0, 1%, 0.25 W, 1206	1206
R25	1	10.0	CRCW120610R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.25 W, 1206	1206
R27	1	1.50k	CRCW06031K50FKEA	Vishay-Dale	RES, 1.50 k, 1%, 0.1 W, 0603	0603
R29, R30, R37, R41	4	100k	CRCW0603100KJNEA	Vishay-Dale	RES, 100 k, 5%, 0.1 W, 0603	0603

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R31	1	365k	CRCW0603365KFKEA	Vishay-Dale	RES, 365 k, 1%, 0.1 W, 0603	0603
R32	1	2.00k	CRCW06032K00FKEA	Vishay-Dale	RES, 2.00 k, 1%, 0.1 W, 0603	0603
R33	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R35	1	1.0k	CRCW06031K00JNEA	Vishay-Dale	RES, 1.0 k, 5%, 0.1 W, 0603	0603
R38	1	43.2k	CRCW060343K2FKEA	Vishay-Dale	RES, 43.2 k, 1%, 0.1 W, 0603	0603
T1	1		750344050,Rev00	Würth Elektronik	EFD25	EFD25 TH
T2	1		PA1005.100NL	Pulse Engineering	SMT Current Sense Tranformer	P82xx
U1	1		UCC24636DBVR	Texas Instruments	SYNCHRONOUS RECTIFIER CONTROLLER WITH LOW POWER STANDBY, DBV0006A	DBV0006A
U2	1		UCC28740DR	Texas Instruments	Constant-Voltage, Constant-Current Flyback Controller Using Opto- Coupler Feedback, D0007A (SOIC-7)	D0007A
U3	1		TLP291(GRL-TP,SE	Toshiba	Optocoupler, 3.75 kV, 100-200% CTR, SMT	SOP, 4-Leads, Body 2.65x4.60mm, Pitch 1.27mm
U4	1		TL431AIDBZR	Texas Instruments	Adjustable Precision Shunt Regulator, 34 ppm / degC, 100 mA, -40 to 85 degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br)	DBZ0003A

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