

PMP20026 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C28, C29	2	22uF	C3216X5R1E226M160AB	TDK	CAP, CERM, 22 μ F, 25 V, +/- 20%, X5R, 1206_190	1206_190
C30, C37	2	0.1uF	C1005X7R1H104K050BB	TDK	CAP, CERM, 0.1 μ F, 50 V, +/- 10%, X7R, 0402	0402
C31	1	100uF	293D107X9020E2TE3	Vishay-Sprague	CAP, TA, 100uF, 20V, +/-10%, 0.5 ohm, SMD	7343-43
C32	1	470pF	C1005X7R1H471K	TDK	CAP, CERM, 470 pF, 50 V, +/- 10%, X7R, 0402	0402
C33, C34, C35, C36, C40, C41	6	47uF	GRM21BR61A476ME15	MuRata	CAP, CERM, 47 μ F, 10 V, +/- 20%, X5R, 0805	0805
C38	1	4.7uF	GRM188R61C475KAAJ	MuRata	CAP, CERM, 4.7uF, 16V, +/-10%, X5R, 0603	0603
C39	1	1uF	GRM188R61H105KAALD	MuRata	CAP, CERM, 1 μ F, 50 V, +/- 10%, X5R, 0603	0603
C42, C43	2	22uF	GRM188R60J226MEA0J	MuRata	CAP, CERM, 22 μ F, 6.3 V, +/- 20%, X5R, 0603	0603
J5, J6	2		OSTTE020161	On-Shore Technology	Terminal Block, 2x1, 3.5mm, TH	2x1 Terminal Block
L5	1	680nH	PIMB065T-R68	Cyntec	Inductor, Drum Core, Ferrite, 680 nH, 18 A, 0.0042 ohm, SMD	7.05x4.8x6.6mm
Q3	1	25V	CSD16410Q5A	Texas Instruments	MOSFET, N-CH, 25 V, 59 A, SON 5x6mm	SON 5x6mm
R19	1	49.9	CRCW040249R9FKED	Vishay-Dale	RES, 49.9, 1%, 0.063 W, 0402	0402
R20, R21, R30	3	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
R22	1	200k	CRCW0402200KFKED	Vishay-Dale	RES, 200 k, 1%, 0.063 W, 0402	0402
R23	1	3.01	CRCW08053R01FKEA	Vishay-Dale	RES, 3.01, 1%, 0.125 W, 0805	0805
R24, R28	2	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
R25	1	DNP	CRCW040220K0FKED	Vishay-Dale	RES, 20.0 k, 1%, 0.063 W, 0402	0402
R26	1	DNP	CRCW0402187KFKED	Vishay-Dale	RES, 187 k, 1%, 0.063 W, 0402	0402
R27	1	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, 0402	0402
R29	1	240k	CRCW0402240KFKED	Vishay-Dale	RES, 240 k, 1%, 0.063 W, 0402	0402
R31	1	48.7k	CRCW040248K7FKED	Vishay-Dale	RES, 48.7 k, 1%, 0.063 W, 0402	0402
R32	1	71.5k	CRCW040271K5FKED	Vishay-Dale	RES, 71.5 k, 1%, 0.063 W, 0402	0402
R33	1	32.4k	CRCW040232K4FKED	Vishay-Dale	RES, 32.4 k, 1%, 0.063 W, 0402	0402
R34	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R35	1	0.032	WSL2512R0320FEA18	Vishay-Dale	RES, 0.032, 1%, 2 W, 2512	2512
TP13, TP14	2	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP15, TP17	2	White	5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
TP16, TP18	2	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U3	1		TPS53515RVER	Texas Instruments	High Performance, 12-A Single Synchronous Step-Down Converter, RVE0028A	RVE0028A

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