

PMP30464 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2, C9, C10	4	4.7uF	GRM32DC72A475KE01L	MuRata	CAP, CERM, 4.7 uF, 100 V, +/- 10%, X7S, 1210	1210
C3, C4, C11, C12	4	10uF	GRM32DR71E106KA12L	MuRata	CAP, CERM, 10 uF, 25 V, +/- 10%, X7R, 1210	1210
C5, C13	0	1000pF	GCM1885C2A102JA16D	MuRata	CAP, CERM, 1000 pF, 100 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0603	0603
C6, C7	2	100uF	PCR1J101MCL1GS	Nichicon	CAP, Aluminum Polymer, 100 uF, 63 V, +/- 20%, 0.024 ohm, SMD, 2-Leads, Dia 10.5mm, Pin Spacing 8mm SMD	SMD, 2-Leads, Dia 10.5mm, Pin Spacing 8mm
C8	1	330uF	16SVP330M	Panasonic	CAP, Aluminum Polymer, 330 uF, 16 V, +/- 20%, 0.016 ohm, 10x10.3 SMD	10x10.3
C14, C15	2	4.7uF	GRM21BR71C475KA73L	MuRata	CAP, CERM, 4.7 uF, 16 V, +/- 10%, X7R, 0805	0805
C16, C17	2	0.22uF	GRM188R71H224KAC4D	MuRata	CAP, CERM, 0.22 uF, 50 V, +/- 10%, X7R, 0603	0603
C18, C19	2	1000pF	GRM188R71E102KA01D	MuRata	CAP, CERM, 1000 pF, 25 V, +/- 10%, X7R, 0603	0603
C20, C24	2	1800pF	GRM188R72A182KA01D	MuRata	CAP, CERM, 1800 pF, 100 V, +/- 10%, X7R, 0603	0603
C21, C23	2	0.1uF	GRM188R71H104KA93D	MuRata	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	0603
C22	1	0.47uF	GRM188R71C474KA88D	MuRata	CAP, CERM, 0.47 uF, 16 V, +/- 10%, X7R, 0603	0603
C25	1	15pF	GRM1885C1H150JA01D	MuRata	CAP, CERM, 15 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C26	1	3900pF	GRM188R71H392KA01D	MuRata	CAP, CERM, 3900 pF, 50 V, +/- 10%, X7R, 0603	0603
C27	1	100pF	GRM1885C2A101JA01D	MuRata	CAP, CERM, 100 pF, 100 V, +/- 5%, C0G/NP0, 0603	0603
C101	1	1000pF	GRM188R71H102JA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 5%, X7R, 0603	0603
D1, D2	2	80V	B180-13-F	Diodes Inc.	Diode, Schottky, 80 V, 1 A, SMA	SMA
D3, D4	2	60V	PMEG6010CEH,115	Nexperia	Diode, Schottky, 60 V, 1 A, SOD-123F	SOD-123F
D5, D6	2	100V	1N4148W-7-F	Diodes Inc.	Diode, Ultrafast, 100 V, 0.15 A, SOD-123	SOD-123
J1, J2	2		691236510002	Würth Elektronik	Terminal Block, 5.08mm, 2x1, R/A, TH	Terminal Block, 5.08mm, 2x1, R/A, TH
J3, J4	2		TSW-102-17-G-S	Samtec	Header, 2.54mm, 2x1, Gold, TH	Header, 2.54mm, 2x1, TH
L1, L2	2	15uH	XAL1010-153MEB	Coilcraft	Inductor, Shielded, Composite, 15 uH, 13.8 A, 0.02 ohm, SMD	Inductor, 11.3x10x10mm
Q1, Q2, Q3, Q4	4	60V	BSZ070N08LS5	Infineon Technologies	MOSFET, N-CH, 60 V, 17 A, PG-TSDSON-8	PG-TSDSON-8
R1, R3, R5, R7	4	2.00	CRCW06032R00FKEA	Vishay-Dale	RES, 2.00, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R2, R6	0	1.00	CRCW08051R00FKEA	Vishay-Dale	RES, 1.00, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
R4, R8	2	0.007	CSNL2512FT7L00	Stackpole Electronics Inc	RES, 0.007, 1%, 2 W, 2512	2512
R9	1	1.0	CRCW06031R00JNEA	Vishay-Dale	RES, 1.0, 5%, 0.1 W, 0603	0603
R10, R11	2	3.32	CRCW06033R32FKEA	Vishay-Dale	RES, 3.32, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R12, R13, R14, R15	4	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, 0603	0603
R16	1	12.4k	CRCW060312K4FKEA	Vishay-Dale	RES, 12.4 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R17, R18, R25	3	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R19	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R20	1	0	ERJ-3GEY0R00V	Panasonic	RES, 0, 5%, 0.1 W, 0603	0603
R21	1	60.4k	CRCW060360K4FKEA	Vishay-Dale	RES, 60.4 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R22	1	30.9k	CRCW060330K9FKEA	Vishay-Dale	RES, 30.9 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R23	1	16.2k	CRCW060316K2FKEA	Vishay-Dale	RES, 16.2 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R24	1	4.99k	CRCW06034K99FKEA	Vishay-Dale	RES, 4.99 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R26	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R27	1	3.57k	CRCW06033K57FKEA	Vishay-Dale	RES, 3.57 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R28	1	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
TP1, TP2, TP6	3		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP3, TP4	2		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
TP5	1		5014	Keystone	Test Point, Multipurpose, Yellow, TH	Yellow Multipurpose Testpoint
U1	1		LM5119PSQX/NOPB	Texas Instruments	5.5-65V Wide Vin, Current Mode Dual Synchronous Buck Controller, RTV0032A (WQFN-32)	RTV0032A

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