

## PMP30523 Rev D Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C100	2	1000pF	GR442QR73D102KW01L	MuRata	CAP, CERM, 1000 pF, 2000 V,+/- 10%, X7R, 1808	1808
C2	1	56uF	EEHZC1J560P	Panasonic	CAP, Polymer Hybrid, 56 µF, 63 V,+/- 20%, 30 ohm	SMD 10x10
C3, C4	2	10uF	GRM32ER71J106KA12L	MuRata	CAP, CERM, 10 µF, 63 V,+/- 10%, X7R, 1210	1210
C5, C6, C10, C11, C23	5	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 µF, 25 V,+/- 10%, X7R, 1210	1210
C7, C12, C21, C24	4	0.1uF	GCM188R71H104KA57D	MuRata	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0603	0603
C8	1	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2 µF, 100 V,+/- 10%, X7R, 1210	1210
C9	1	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 µF, 25 V,+/- 10%, X7R, 0603	0603
C13	1	1uF	GRM188R71C105KA12D	MuRata	CAP, CERM, 1 µF, 16 V, +/- 10%, X7R, 0603	0603
C14	1	1000pF	GRM188R71E102KA01D	MuRata	CAP, CERM, 1000 pF, 25 V,+/- 10%, X7R, 0603	0603
C15	1	10pF	GRM1885C1H100JA01D	MuRata	CAP, CERM, 10 pF, 50 V,+/- 5%, C0G/NP0, 0603	0603
C16	1	220pF	GRM188R71H221KA01D	MuRata	CAP, CERM, 220 pF, 50 V,+/- 10%, X7R, 0603	0603
C17, C18	2	0.1uF	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1 µF, 25 V,+/- 10%, X7R, 0603	0603
C19	1	220uF	6SVPE220M	Panasonic	CAP, Aluminum Polymer, 220 µF, 6.3 V,+/- 20%, 0.01 ohm	SMD F61
C20	1	47uF	GRM32ER71A476KE15L	MuRata	CAP, CERM, 47 µF, 10 V,+/- 10%, X7R, 1210	1210
C22	1	100uF	EEHZC1E101XP	Panasonic	CAP, Polymer Hybrid, 100 µF, 25 V,+/- 20%, 30 ohm	SMD 6.3x7.7
C101	1	390pF	GRM188R71H391KA01D	MuRata	CAP, CERM, 390 pF, 50 V,+/- 10%, X7R, 0603	0603
C200	1	0.01uF	GRM21BR72A103MA01L	MuRata	CAP, CERM, 0.01 µF, 100 V, +/- 20%, X7R, 0805	0805
D1, D3, D200	3	100V	BAT46WH,115	Nexperia	Diode, Schottky, 100 V, 0.25 A, SOD-123F	SOD-123F
D2, D4	2	14V	MMSZ4701T1G	ON Semiconductor	Diode, Zener, 14 V, 500 mW, SOD-123	SOD-123
D5, D8	2	100V	MBR1H100SFT3G	ON Semiconductor	Diode, Schottky, 100 V, 1 A, SOD-123FL	SOD-123FL
D6	1	30V	BAT54LP-7	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, 1.00x0.50x0.60mm	1.00x0.50x0.60mm
D100	1	7.5V	MMSZ5236BS-7-F	Diodes Inc.	Diode, Zener, 7.5 V, 200 mW, SOD-323	SOD-323
D101, D102	2	100V	BAS16LT1G	ON Semiconductor	Diode, Switching, 100 V, 0.2 A, SOT-23	SOT-23
Jmp1, Jmp2, Jmp3, Jmp4, Jmp5	5		TSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	2x1 Header
Q1	1	100V	BSZ146N10LS5	Infineon Technologies	MOSFET, N-CH, 100 V, 40 A, PG-TSDSON-8	PG-TSDSON-8
Q100	1	100V	ZVN3310FTA	Diodes Inc.	MOSFET, N-CH, 100 V, 0.1 A, SOT-23	SOT-23
R1	1	348k	CRCW0603348KFKEA	Vishay-Dale	RES, 348 k, 1%, 0.1 W, 0603	0603
R2	1	86.6k	CRCW060386K6FKEA	Vishay-Dale	RES, 86.6 k, 1%, 0.1 W, 0603	0603
R5	1	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, 0603	0603
R6	1	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, 0603	0603
R7	1	110k	CRCW0603110KFKEA	Vishay-Dale	RES, 110 k, 1%, 0.1 W, 0603	0603
R9	1	0.04	WSL0805R0400FEA	Vishay-Dale	RES, 0.04, 1%, 0.125 W, AEC-Q200 Grade 1, 0805	0805
R10	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
R11, R14	2	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R12	1	21.0k	CRCW060321K0FKEA	Vishay-Dale	RES, 21.0 k, 1%, 0.1 W, 0603	0603
R13	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R15	1	4.64k	CRCW06034K64FKEA	Vishay-Dale	RES, 4.64 k, 1%, 0.1 W, 0603	0603
R100	1	100k	CRCW0805100KJNEA	Vishay-Dale	RES, 100 k, 5%, 0.125 W, 0805	0805
R200	1	49.9k	CRCW120649K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.25 W, 1206	1206
T1	1	10uH	750318029 r00	Würth Elektronik	Transformer, 10 uH, SMT, r01 for prototyping ONLY	12.85x12.95mm
TP1, TP2, TP6, TP10, TP13	5	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
TP3, TP4, TP7, TP11, TP12, TP14, TP15	7	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP5	1		5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
TP8	1		5003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
U1	1		LM51551QDSSTQ1	Texas Instruments	Automotive Grade 2.2-MHz Wide Input Non-sync Boost Ctrl	DSS0012C (WSON-12)

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