

PMP30700 REV C Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C6, C18, C25	4	100pF	GRM21A5C2E101JW01D	MuRata	CAP, CERM, 100 pF, 250 V, +/- 5%, C0G/NP0, 0805	805
C2, C3, C7, C8, C12, C13, C14, C19, C20, C26, C27	11	10uF	GRM32ER71H106KA12L	MuRata	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, 1210	1210
C4, C9, C21, C28	4	100uF	25SVPF100M	Panasonic	CAP, Aluminum Polymer, 100 uF, 25 V, +/- 20%, 0.024 ohm, 8.0x7.0mm SMD	8.0x7.0mm
C5, C10, C15, C22, C29	5	0.1uF	GCM188R71H104KA57D	MuRata	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	603
C11	1	100uF	EEH-ZC1H101P	Panasonic	CAP, Polymer Hybrid, 100 uF, 50 V, +/- 20%, 0.028 ohm, AEC-Q200 Grade 1, D10xL10.2mm SMD	D10xL10.2mm
C16	1	0.01uF	GRM21BR72A103MA01L	MuRata	CAP, CERM, 0.01 uF, 100 V, +/- 20%, X7R, 0805	805
C23, C30	2	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, 0603	603
C24	1	3.3uF	C3216X7S2A335M160AB	TDK	CAP, CERM, 3.3 uF, 100 V, +/- 20%, X7S, 1206_190	1206_190
C31	1	220pF	GRM188R71H221KA01D	MuRata	CAP, CERM, 220 pF, 50 V, +/- 10%, X7R, 0603	603
C32	1	0.047uF	06033C473JAT2A	AVX	CAP, CERM, 0.047 uF, 25 V, +/- 5%, X7R, 0603	603
C33, C37	2	470pF	GRM1885C1H471JA01D	MuRata	CAP, CERM, 470 pF, 50 V, +/- 5%, C0G/NP0, 0603	603
C38	1	0.33uF	C1608X7R1H334K080AC	TDK	CAP, CERM, 0.33 uF, 50 V, +/- 10%, X7R, 0603	603
C39	1	1000pF	VJ1210Y102KXEAT5Z	Vishay-Vitramon	CAP, CERM, 1000 pF, 500 V, +/- 10%, X7R, 1210	1210
C100	1	220pF	06031C221KAT2A	AVX	CAP, CERM, 220 pF, 100 V, +/- 10%, X7R, 0603	603
D1, D3, D6, D10	4	STPS3150U	STPS3150U	STMicroelectronics	Diode, Schottky, 150 V, 3 A, SMB	SMB
D2, D4, D7, D11	4	15V	MMSZ5245B-7-F	Diodes Inc.	Diode, Zener, 15 V, 500 mW, SOD-123	SOD-123
D5	1	MBRA1H100T3G	MBRA1H100T3G	ON Semiconductor	Diode, Schottky, 40 V, 1 A, SMA	SMA
D8	1	PMEG6010	PMEG6010CEJ,115	Nexperia	Diode, Schottky, 60 V, 1 A, SOD-323F	SOD-323F
J1	1		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
OUT_1, OUT_2, OUT_3, OUT_4, TP5, TP13, TP15	7		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
Q1	1	60V	CSD18537NQG5A	Texas Instruments	MOSFET, N-CH, 60 V, 50 A, DQJ0008A (VSONP-8)	DQJ0008A
Q2	1	40 V	MMBT3904	Fairchild Semiconductor	Transistor, NPN, 40 V, 0.2 A, SOT-23	SOT-23
Q3	1	40 V	MMBT3906	Fairchild Semiconductor	Transistor, PNP, 40 V, 0.2 A, SOT-23	SOT-23
Q100	1	60 V	MMBT2907AT-7-F	Diodes Inc.	Transistor, PNP, 60 V, 0.6 A, AEC-Q101, SOT-523	SOT-523
R1, R2, R4, R8	4	82	ERJ-6GEYJ820V	Panasonic	RES, 82, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	805
R3	1	3.30k	RC1206FR-073K3L	Yageo America	RES, 3.30 k, 1%, 0.25 W, 1206	1206
R5, R9	2	4.7	CRCW08054R70JNEA	Vishay-Dale	RES, 4.7, 5%, 0.125 W, 0805	805
R6, R19, R30	3	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R7	1	60.4k	CRCW060360K4FKEA	Vishay-Dale	RES, 60.4 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R10	1	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, 0603	603
R11	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	603
R12	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R13, R28	2	0.01	CSR1206FK10L0	Stackpole Electronics Inc	RES, 0.01, 1%, 0.5 W, 1206	1206
R14	1	43.2k	CRCW060343K2FKEA	Vishay-Dale	RES, 43.2 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R15	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	603
R16	1	6.04k	CRCW06036K04FKEA	Vishay-Dale	RES, 6.04 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R17	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	603
R18	1	2.20k	RC0603FR-072K2L	Yageo	RES, 2.20 k, 1%, 0.1 W, 0603	603
R29	1	33k	ERJ-6GEYJ333V	Panasonic	RES, 33 k, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	805
R100	1	22	CRCW120622R0JNEA	Vishay-Dale	RES, 22, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R101, R102, R103, R104	4	0	MCR18EZHZJ000	Rohm	RES, 0, 5%, 0.25 W, 1206	1206

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RTN_1, RTN_2, RTN_3, RTN_4, TP1, TP14, TP16	7		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
T1	1		B180179-X0-D5577-V0	Bourns	EE19 16 Pin Transformer	TRANSFORMER_SM D_16
TP3	1		5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
TP12	1		5003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
U1	1	LM51551QDSSTQ1	LM51551QDSSTQ1	Texas Instruments	Automotive Grade 2.2-MHz Wide Input Non-synchronous Boost Controller, DSS0012C (WSON-12)	DSS0012C

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