

PMP31114 REV C Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2, C10	3	10uF	GRM32ER71H106KA12L	MuRata	CAP, CERM, 10 μ F, 50 V, +/- 10%, X7R, 1210	1210
C3	1	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V, +/- 5%, COG/NP0, 0603	603
C5	1	1000uF	PCZ1C102MCL1GS	Nichicon	CAP, Aluminum Polymer, 1000 uF, 16V, +/- 20%, 0.013 ohm, D10xL12.7mm SMD	D10xL12.7mm
C7	1	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 μ F, 25 V, +/- 10%, X7R, 1210	1210
C8	1	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 μ F, 25 V, +/- 10%, X7R, 0603	603
C9	1	220uF	PCZ1V221MCL1GS	Nichicon	CAP, Aluminum Polymer, 220 uF, 35 V, +/- 20%, 0.016 ohm, D10xL12.7mm SMD	D10xL12.7mm
C11, C19	2	0.47uF	GRM188R71E474KA12D	MuRata	CAP, CERM, 0.47uF, 25V, +/-10%, X7R, 0603	603
C12	1	1000pF	GRM188R71H102KA01D	MuRata	CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0603	603
C13	1	100pF	GRM1885C2A101JA01D	MuRata	CAP, CERM, 100 pF, 100 V, +/- 5%, COG/NP0, 0603	603
C14	1	4.7uF	GRM31CR71H475KA12L	MuRata	CAP, CERM, 4.7 μ F, 50 V, +/- 10%, X7R, 1206	1206
C15	1	1uF	C1608X7R1C105K080AC	TDK	CAP, CERM, 1 μ F, 16 V, +/- 10%, X7R, 0603	603
C16	1	0.047uF	GRM188R71E473KA01D	MuRata	CAP, CERM, 0.047 μ F, 25 V, +/- 10%, X7R, 0603	603
C17	1	1000pF	GRM188R71E102KA01D	MuRata	CAP, CERM, 1000 pF, 25 V, +/- 10%, X7R, 0603	603
C18	1	0.1uF	C1608X7R1H104K080AAA	TDK	CAP, CERM, 0.1 μ F, 50 V, +/- 10%, X7R, 0603	603
C20	1	10uF	GRM31CR71E106KA12L	MuRata	CAP, CERM, 10 μ F, 25 V, +/- 10%, X7R, 1206	1206
C30	1	470pF	08051C471KAT2A	AVX	CAP, CERM, 470 pF, 100 V, +/- 10%, X7R, 0805	805
C201	1	2200pF	GRM188R71E222KA01D	MuRata	CAP, CERM, 2200 pF, 25 V, +/- 10%, X7R, 0603	603
D1, D2, D20, D21	4	80V	MBR0580-TP	Micro Commercial Component	Diode, Schottky, 80 V, 0.5 A, SOD-123	SOD-123
D3	1	60V	B560C-13-F	Diodes Inc.	Diode, Schottky, 60 V, 5 A, SMC	SMC
J1, J2	2		1725656	Phoenix Contact	Terminal Block, 100mil, 2x1, 6A, 63V, TH	6.2x8.5x5.54 mm
J3	1		PEC03SAAN	Sullins Connector Solutions	Header, 100mil, 3x1, Tin, TH	Header, 3 PIN, 100mil, Tin
J100	1		HTSW-102-09-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	Header, 2x1, 2.54mm, TH
L1	1	10uH	MSD1514-103MEB	Coilcraft	Coupled inductor, 10 μ H, 16.2 A, 0.015 ohm, SMD	15x15mm
Q1, Q2	2	60V	BSC067N06LS3 G	Infineon Technologies	MOSFET, N-CH, 60 V, 50 A, PG-TDSON-8	PG-TDSON-8
R2	1	0.005	CSNL1206FT5L00	Stackpole Electronics Inc	RES, 0.005, 1%, 1 W, 1206	1206
R3	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00k ohm, 1%, 0.1W, 0603	603
R4	1	301k	CRCW0603301K1FKEA	Vishay-Dale	RES, 301 k, 1%, 0.1 W, 0603	603
R5, R6	2	200	CRCW0603200RFKEA	Vishay-Dale	RES, 200, 1%, 0.1 W, 0603	603
R7	1	3.3	CRCW06033R30JNEA	Vishay-Dale	RES, 3.3 ohm, 5%, 0.1W, 0603	603
R8	1	75.0k	CRCW060375K0FKEA	Vishay-Dale	RES, 75.0 k, 1%, 0.1 W, 0603	603
R9, R14	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	603
R10	1	31.6k	CRCW060331K6FKEA	Vishay-Dale	RES, 31.6 k, 1%, 0.1 W, 0603	603
R11	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	603
R12	1	40.2k	CRCW060340K2FKEA	Vishay-Dale	RES, 40.2 k, 1%, 0.1 W, 0603	603
R13	1	36.5k	CRCW060336K5FKEA	Vishay-Dale	RES, 36.5 k, 1%, 0.1 W, 0603	603
R15, R201	2	10	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, 0603	603
R30	1	10	PHP01206E10R0BST5	Vishay-Dale	RES, 10.0, 0.1%, 1 W, 1206	1206
R202	1	3.57k	CRCW06033K57FKEA	Vishay-Dale	RES, 3.57 k, 1%, 0.1 W, 0603	603
TP1, TP4	2	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP2, TP3, TP9	3		5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
TP5, TP6, TP8	3	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP7	1		5003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
U1	1		LM25122MH/NOPB	Texas Instruments	Wide Input Synchronous Boost Controller with Multiple Phase Capability, PWP0020A (TSSOP-20)	PWP0020A

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