

PMP31194 REV C Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1a, C1b, C3	3	4.7uF	GRM31CR71H475KA12L	MuRata	CAP, CERM, 4.7 μ F, 50 V,+/- 10%, X7R, 1206	1206
C4	1	1uF	GRM21BR71H105KA12L	MuRata	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 0805	805
C5	1	1uF	GRM21BR71A105KA01L	MuRata	CAP, CERM, 1 uF, 10 V, +/- 10%, X7R, 0805	805
C6	1	100pF	GCM1885C2A101JA16D	MuRata	CAP, CERM, 100 pF, 100 V,+/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0603	603
C7, C16	2	0.1uF	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1 μ F, 25 V,+/- 10%, X7R, 0603	603
C8	1	220uF	T598D227M010ATE025	Kemet	CAP, Tantalum Polymer, 220 μ F, 10 V,+/- 20%, 0.025 ohm, AEC-Q200 Grade 1, 7343-31 SMD	7343-31
C9	1	33uF	EEH3C1H330XP	Panasonic	CAP, Polymer Hybrid, 33 μ F, 50 V,+/- 20%, 40 ohm, 6.3x7.7 SMD	6.3x7.7
C12, C13	2	0.1uF	GCM188R71H104KA57D	MuRata	CAP, CERM, 0.1 μ F, 50 V,+/- 10%, X7R, 0603	603
C15	1	10pF	GRM1885C1H100JA01D	MuRata	CAP, CERM, 10 pF, 50 V,+/- 5%, C0G/NP0, 0603	603
C17	1	2200pF	GRM188R71E222KA01D	MuRata	CAP, CERM, 2200 pF, 25 V,+/- 10%, X7R, 0603	603
C18	1	47pF	GRM1885C1H470JA01D	MuRata	CAP, CERM, 47 pF, 50 V,+/- 5%, C0G/NP0, 0603	603
C19	1	0.15uF	GRM188R71C154KA01D	MuRata	CAP, CERM, 0.15 μ F, 16 V,+/- 10%, X7R, 0603	603
C101, C102	2	47uF	GRM32ER71A476KE15L	MuRata	CAP, CERM, 47 μ F, 10 V,+/- 10%, X7R, 1210	1210
D1	1	60V	B360AM-13-F	Diodes Inc.	Diode, Schottky, 60 V, 3 A, AEC-Q101, SMA	SMA
D2	1	0	SHORT	Diodes Inc.	Short 0R0	SOT-23
J1, J2	2		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
L1	1	10uH	MSC1278-103ML	Coilcraft	Coupled inductor, 10 μ H, 10.5 A, 0.058 ohm, AEC-Q200 Grade 3, TH	12.3x12.3mm
L2	1	1uH	LPS3015-102MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 1 μ H, 2 A, 0.08 ohm, SMD	LPS3015
R1	1	10	CRCW060310R0JNEAHP	Vishay-Dale	RES, 10, 5%, 0.25 W, 0603	603
R2	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R3	1	261k	CRCW0603261KFKEA	Vishay-Dale	RES, 261 k, 1%, 0.1 W, 0603	603
R4	1	4.99	CRCW06034R99FKEA	Vishay-Dale	RES, 4.99, 1%, 0.1 W, 0603	603
R5	1	86.6k	CRCW060386K6FKEA	Vishay-Dale	RES, 86.6 k, 1%, 0.1 W, 0603	603
R6	1	30.1k	CRCW060330K1FKEA	Vishay-Dale	RES, 30.1 k, 1%, 0.1 W, 0603	603
R7	1	3.32k	CRCW06033K32FKEA	Vishay-Dale	RES, 3.32 k, 1%, 0.1 W, 0603	603
R8	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	603
R9	1	6.04k	CRCW06036K04FKEA	Vishay-Dale	RES, 6.04 k, 1%, 0.1 W, 0603	603
R10	1	37.4k	CRCW060337K4FKEA	Vishay-Dale	RES, 37.4 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
TP1, TP3, TP8	3		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP2	1		5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
TP4	1		5014	Keystone	Test Point, Multipurpose, Yellow, TH	Yellow Multipurpose Testpoint
TP5, TP6, TP7	3		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
U1	1		LM5157QRTERQ1	Texas Instruments	2.2MHz Wide VIN Boost/Sepic/Flyback Converter with Dual Random Spread Spectrum, RTE0016K (WQFN-16)	RTE0016K
D3	0	60V	ZHCS506TA	Diodes Inc.	Diode, Schottky, 60 V, 0.5 A, SOT-23	SOT-23

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