



## PMP11228 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	Package
C1, C2, C3	3	330uF	EEE-FK1V331P	Panasonic	CAP, AL, 330 $\mu$ F, 35 V, +/- 20%, 0.08 ohm, SMD	SMT Radial G
C5	1	10uF	GRM32ER7YA106KA12L	MuRata	CAP, CERM, 10 $\mu$ F, 35 V, +/- 10%, X7R, 1210	1210
C6	1	47uF	EEE-FK1E470P	Panasonic	CAP, AL, 47 $\mu$ F, 25 V, +/- 20%, 0.36 ohm, SMD	SMT Radial D
C8	1	4.7uF	C2012X5R1E475K125AB	TDK	CAP, CERM, 4.7 $\mu$ F, 25 V, +/- 10%, X5R, 0805	0805
C9, C11, C15, C16, C100, C100	6	0.1uF	C1608X7R1H104K	TDK	CAP, CERM, 0.1 $\mu$ F, 50 V, +/- 10%, X7R, 0603	0603
C10	1	0.033uF	GRM188R71H333KA61D	MuRata	CAP, CERM, 0.033 $\mu$ F, 50 V, +/- 10%, X7R, 0603	0603
C12	1	0.047uF	C1608X7R1E473K	TDK	CAP, CERM, 0.047 $\mu$ F, 25 V, +/- 10%, X7R, 0603	0603
C13	1	100pF	C1608C0G1H101J	TDK	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C14	1	0.47uF	C1608X5R1A474K	TDK	CAP, CERM, 0.47 $\mu$ F, 10 V, +/- 10%, X5R, 0603	0603
D1	1	40V	DFLS140L	Diodes Inc.	Diode, Schottky, 40 V, 1 A, PowerDI123	PowerDI123
D2, D3	2	100V	MMDL914-TP	Micro Commercial Components	Diode, Switching, 100V, 0.2A, SOD-323	SOD-323
J1, J2	2		ED555/2DS	On-Shore Technology	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm
L1	1	33uH	LPS4018-333MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 33 $\mu$ H, 0.68 A, 0.42 ohm, SMD	LPS4018
R1	1	0.47	ERJ-6RQFR47V	Panasonic	RES, 0.47, 1%, 0.125 W, 0805	0805
R2	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
R3	1	249	CRCW0603249RFKEA	Vishay-Dale	RES, 249, 1%, 0.1 W, 0603	0603
R4	1	1.50k	CRCW06031K50FKEA	Vishay-Dale	RES, 1.50 k, 1%, 0.1 W, 0603	0603
R5	1	46.4k	CRCW060346K4FKEA	Vishay-Dale	RES, 46.4 k, 1%, 0.1 W, 0603	0603
R6, R9	2	0	ERJ-3GEY0R00V	Panasonic	RES, 0, 5%, 0.1 W, 0603	0603
R7	1	634	CRCW0603634RFKEA	Vishay-Dale	RES, 634, 1%, 0.1 W, 0603	0603
R8	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R10	1	2.32k	CRCW06032K32FKEA	Vishay-Dale	RES, 2.32 k, 1%, 0.1 W, 0603	0603
R100	1	3.01k	CRCW06033K01FKEA	Vishay-Dale	RES, 3.01 k, 1%, 0.1 W, 0603	0603
U1	1		TPS55340QRTERQ1	Texas Instruments	Integrated 5-A 40-V Wide Input Range Boost/SEPIC/Flyback DC-DC Regulator, RTE0016C	RTE0016C
U2	1		INA139NA	Texas Instruments	High-Side Measurement CURRENT SHUNT MONITOR, DBV0005A	DBV0005A
U3	1		TLV272IDGK	Texas Instruments	500-uA/Ch 3-MHz RAIL-TO-RAIL OUTPUT OPERATIONAL AMPLIFIER, DGK0008A	DGK0008A

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