



PMP11484 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	Package
C1	1	4.7uF	C3225X7R1H475M250AB	TDK	CAP, CERM, 4.7uF, 50V, +/-20%, X7R, 1210	1210
C2	1	68uF	EEHZA1H680P	Panasonic	CAP, Polymer Hybrid, 68 uF, 50 V, +/- 20%, 30 ohm, 8x10 SMD	8x10
C3, C4, C5	3	220uF	UBT1K221MHD1TO	Nichicon	CAP, AL, 220 uF, 80 V, +/- 20%, 0.180 ohm, 1.24A, AEC-Q200 Grade 1, TH	D12.5xL25mm
C6	1	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2 uF, 100 V, +/- 10%, X7R, 1210	1210
C7, C8	2	0.1uF	C1608X7R1H104K	TDK	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603
C9	1	1000pF	C1608C0G2A102J	TDK	CAP, CERM, 1000 pF, 100 V, +/- 5%, C0G/NP0, 0603	0603
C10, C12, C14	3	330pF	C1608C0G1H331J	TDK	CAP, CERM, 330 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C11, C13	2	1uF	C1608X7R1C105K	TDK	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	0603
D1	1	60V	NRVBB1060T4G	ON Semi	Diode, Schottky, 60V, 10A, DDPAK	DDPAK
D2, D3	2	4.7V	MMSZ5230BS-7-F	Diodes Inc.	Diode, Zener, 4.7 V, 200 mW, 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	22uH	IHLP8787MZER220M5A	Vishay-Dale	Inductor, Shielded, 22 uH, 16 A, 0.0106 ohm, SMD	22x22.48mm
Q1, Q5	2	60V	IPD50N06S4L-12	Infineon Technologies	MOSFET, N-CH, 60 V, 0.012 Ohms, AEC-Q101, DPAK	DPAK
Q2, Q3	2	40 V	MMBT2222A	Fairchild Semiconductor	Transistor, NPN, 40 V, 0.15 A, SOT-23	SOT-23
Q4	1	60 V	MMBT2907A	Fairchild Semiconductor	Transistor, PNP, 60 V, 0.8 A, SOT-23	SOT-23
R1, R7	2	4.7	CRCW06034R70JNEA	Vishay-Dale	RES, 4.7 ohm, 5%, 0.1W, 0603	0603
R2	1	348k	CRCW0603348KFKEA	Vishay-Dale	RES, 348 k, 1%, 0.1 W, 0603	0603
R3	1				RES, open, 0603	0603
R4, R5	2	20.0k	CRCW080520K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.125 W, 0805	0805
R6, R8	2	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R9	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00k ohm, 1%, 0.1W, 0603	0603
R10	1	147k	CRCW0603147KFKEA	Vishay-Dale	RES, 147 k, 1%, 0.1 W, 0603	0603
R11	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R12	1	0.005	ERJ-M1WSF5M0U	Panasonic	RES, 0.005, 1%, 1 W, 2512	2512
R13	1	4.7	CRCW12064R70JNEA	Vishay-Dale	RES, 4.7, 5%, 0.25 W, 1206	1206
R14	1	150k	CRCW0603150KFKEA	Vishay-Dale	RES, 150 k, 1%, 0.1 W, 0603	0603
R15	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9 ohm, 1%, 0.1W, 0603	0603
R16	1	2.10k	CRCW06032K10FKEA	Vishay-Dale	RES, 2.10 k, 1%, 0.1 W, 0603	0603
R17	1	29.4	CRCW060329R4FKEA	Vishay-Dale	RES, 29.4, 1%, 0.1 W, 0603	0603
TP1, TP2, TP3, TP6, TP8	5	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP4, TP5, TP7	3	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		TPS40210DGQR	Texas Instruments	4.5-V TO 52-V INPUT CURRENT MODE BOOST CONTROLLER, DGQ0010D	DGQ0010D

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