

PMP31248 REV C Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		PMP31248	Any	Printed Circuit Board	
C1, C2	2	6.8uF	EKXJ451ELL6R8MJ16S	United Chemi-Con	CAP, AL, 6.8 uF, 450 V, +/- 20%, TH	RCAP, TH, 10 x 17.5mm
C3	1	DNP	DNP	MuRata	DNP	1206
C4	1	1uF	CGJ3E1X7R1E105K080AC	TDK	CAP, CERM, 1 uF, 25 V,+/- 10%, X7R, 0603	603
C5	1	1000uF	16ZLJ1000MCE10X16	Rubycon	CAP, AL, 1000 uF, 16 V, +/- 20%, TH	CAPPR5-10x16
C6	1	470uF	16ZLJ470MTA8X11.5	Rubycon	CAP, AL, 470 uF, 16 V, +/- 20%, 0.075 ohm, TH	CAP, 8x11.5mm
C7, C10	2	1uF	CL21B105KBFNFNE	Samsung	CAP, CERM, 1 uF, 50 V,+/- 10%, X7R, 0805	805
C8	1	100pF	GCM2165C2A101JA16D	MuRata	CAP, CERM, 100 pF, 100 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0805	805
C9	1	10uF	EMZA350ADA100ME61G	Chemi-Con	CAP, AL, 10 uF, 35 V, +/- 20%, 0.7 ohm, SMD	E61
C11	1	4.7nF	DE1E3RA472MN4AN01F	Murata	Cap Ceramic Disc 4700pF 20% 250VAC Thru-Hole 12.0x5.0x10.0 Ammo pack	RADIAL_CAP_12MM 0_5MM0_10MM0
C12	1	0.1uF	ECQUAAF104M	Panasonic	CAP, Film, 0.1 uF, X2 275 VAC, +/- 20%, TH	Radial TH
C13	1	4.7uF	GRM21BR71E475KA73L	MuRata	CAP, CERM, 4.7 uF, 25 V, +/- 10%, X7R, 0805	805
D1	1	TBS22J-TP	TBS22J-TP	Micro Commercial Component	Diode, Switching-Bridge, 600 V, 2.2 A, 8.25x6.6mm	8.25x6.6mm
D2	1	220V	SMCJ220	Littelfuse	Diode, TVS, Uni, 220 V, 356 Vc, SMC	SMC
D3	1	MRA4005T3G	MRA4005T3G	ON Semiconductor	Diode, Standard, 600 V, 1 A, SMA	SMA
D4	1	SVT10100U_R1_00001	SVT10100U_R1_00001	Panjit International Inc.	Diode, Schottky, 90 V, 10 A, TO-277A	TO-277A
D5	1	BAS20HT1G	BAS20HT1G	ON Semiconductor	Diode, Switching, 200 V, 0.2 A, AEC-Q101, SOD-323	SOD-323
F1	1		39213150000	Littelfuse	Fuse, 3.15 A, 250VAC/VDC, TH	8x8.5x4mm
H1, H2, H3, H4	4		SJ-5303 (CLEAR)	3M	Bumpon, Hemisphere, 0.44 X 0.20, Clear	Transparent Bumpon
J1	1		1715721	Phoenix Contact	Terminal Block, 5.08 mm, 2x1, TH	2POS Terminal Block
J2	1		393570002	Molex	Terminal Block, 3.5 mm, 2x1, Tin, TH	Terminal Block, 3.5 mm, 2x1, TH
L1	1	470uH	RLB0914-471KL	Bourns	Inductor, Wirewound, Ferrite, 470 uH, 0.5 A, 1.3 ohm, TH	D8.7xH12mm
L2	1	4.7uH	DO3316P-472MLB	Coilcraft	Inductor, Drum Core, Ferrite, 4.7 uH, 4.8 A, 0.02 ohm, SMD	DO3316P
L3	1	1.8mH	744861018	Würth Elektronik	Coupled inductor, 1.8 mH, 1 A, 0.31 ohm, TH	17x12.32x15.32 mm
Q1	1	IPD70R600P7S	IPD70R600P7S	Infineon	Single N-Channel 700 V 600 mOhm 10.5 nC CoolMOS Power Mosfet - DPAK	DPAK
R1	1	DNP	DNP	Vishay-Dale	DNP	805
R2	1	4.7	CRCW08054R70JNEA	Vishay-Dale	RES, 4.7, 5%, 0.125 W, 0805	805
R3	1	240k	CRCW0805240KJNEA	Vishay-Dale	RES, 240 k, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	805
R4	1	0	CRCW08050000Z0EA	Vishay-Dale	RES, 0, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	805
R5	1	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R6	1	10	CRCW080510R0JNEA	Vishay-Dale	RES, 10, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	805
R7	1	47	RC1206FR-0747RL	Yageo America	RES, 47.0, 1%, 0.25 W, 1206	1206
R8	1	68	CRCW120668R0JNEA	Vishay-Dale	RES, 68, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R9	1	2	CRCW06032R00FKEA	Vishay-Dale	RES, 2.00, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R10	1	110k	MCU08050C1103FP500	Vishay/Beyschlag	RES, 110 k, 1%, 0.2 W, 0805	805
R11	1	2.15k	CRCW06032K15FKEA	Vishay-Dale	RES, 2.15 k, 1%, 0.1 W, 0603	603
R12	1	29.4k	RC0603FR-0729K4L	Yageo	RES, 29.4 k, 1%, 0.1 W, 0603	603
R13	1	0.82	RCWE1206R820FKEA	Vishay-Dale	RES, 0.82, 1%, 0.5 W, AEC-Q200 Grade 0, 1206	1206
R14	1	DNP	DNP	DNP	DNP	603
RT1	1	4.7	B57153S0479M051	TDK	Thermistor NTC, 4.70 ohm, 20%, 8.5mm Disc	8.5mm Disc
T1	1	Transformer EF 25/7.5	EC_210_825_21_V11	Sumida	Transformer EF 25/7.5	PTH_XFRMR_33MM 0_27MM0

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
U1	1	UCC24650DBVR	UCC24650DBVR	Texas Instruments	200-V Wake-up Monitor for Fast Transient Primary-side Regulation, DBV0005A (SOT-23-5)	DBV0005A
U2	1	UCC28730DR	UCC28730DR	Texas Instruments	Zero Standby PSR Flyback Controller with CVCC and Wake-Up Monitoring, D0007A (SOIC-7)	D0007A

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