

DNP = DO NOT POPULATE

PMP31261 REV B Bill of Materials



Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	100uF	EEEF1H101AP	Panasonic	CAP, AL, 100 µF, 50 V, +/- 20%, 0.18 ohm, AEC-Q200 Grade 2, SMD	D8xL10.2mm
C2, C7, C8, C13, C14	5	DNP	Used in BOM report	Used in BOM report	CAP, CERM, xxxF, xxV, [TempCo], xx%, [PackageReference]	Used in PnP output and some BOM reports
C3, C12	2		C2012X7R1H475K125AC	TDK	4.7µF ±10% 50V Ceramic Capacitor X7R 0805 (2012 Metric)	0805
C4	1	0.047uF	C1608X7R1H473K080AA	TDK	CAP, CERM, 0.047 uF, 50 V, +/- 10%, X7R, 0603	0603
C5	1	0.1uF	C1608X7R1H104K080AA	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	0603
C6, C9, C10	3	33pF	08051A330JAT2A	AVX	CAP, CERM, 33 pF, 100 V, +/- 5%, COG/NP0, 0805	0805
C11	1	6.8uF	C3216X7R1E685K160AB	TDK	CAP, CERM, 6.8 uF, 25 V, +/- 10%, X7R, 1206	1206
D1	1	20V	DFLZ20-7	Diodes Inc.	Diode, Zener, 20 V, 1 W, PowerDI123	PowerDI123
D2	1	75V	CMDD4448	Central Semiconductor	Diode, Ultrafast, 75 V, 0.25 A, SOD-323	SOD-323
D3	1	80V	B180-13-F	Diodes Inc.	Diode, Schottky, 80 V, 1 A, SMA	SMA
D4	1	100V	SS110-TP	Micro Commercial Component	Diode, Schottky, 100 V, 1 A, SMA	SMA
D5	1	DNP	DNP	Diodes Inc.	DNP	SOD-123
D6	1	DNP	DNP	Diodes Inc.	Diode, Zener, 22 V, 500 mW, SOD-123	SOD-123
J1, J2, J3	3		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
R1	1	147k	CRCW0603147KFKEA	Vishay-Dale	RES, 147 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R2	1	34.0k	CRCW060334K0FKEA	Vishay-Dale	RES, 34.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R3	1	121k	RC0603FR-07121KL	Yageo	RES, 121 k, 1%, 0.1 W, 0603	0603
R4	1	243k	CRCW0603243KFKEA	Vishay-Dale	RES, 243 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R5	1	12.1k	CRCW060312K1FKEA	Vishay-Dale	RES, 12.1 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R6	1	100	CRCW0805100RJNEA	Vishay-Dale	RES, 100, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
R7, R8	2	100	CRCW1206100RJNEA	Vishay-Dale	RES, 100, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R9	1	1.5k	CRCW12061K50JNEA	Vishay-Dale	RES, 1.5 k, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R10	1	1.0k	CRCW12061K00JNEA	Vishay-Dale	RES, 1.0 k, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
T1	1		750320550r00	Würth Electronics	TRANSFORMER	SMT8_15MM24_12M M5
U1	1		LM5180NGUR	Texas Instruments	70-VIN PSR Flyback DC/DC Converter With 100-V, 1.5-A Integrated Power MOSFET, NGU0008C (WSN-8)	NGU0008C

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