

DNP = DO NOT POPULATE

N/A

PMP31087 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C100, C107	2	1000pF	GRM21AR72E102KW01D	MuRata	CAP, CERM, 1000 pF, 250 V, +/- 10%, X7R, 0805	805
C101, C103	2	33µF	8,60241E+11	Würth Electronics	33 µF 400 V Aluminum Electrolytic Capacitors Radial, Can - 10000 Hrs @ 105°C	RADIAL
C102	1	0.22uF	890324025027CS	Würth Elektronik	CAP, Film, 0.22 uF, 275 V, +/- 10%, TH	18x6x11.5mm
C104, C105	2	680µF	25ZL680MEFC10X20	Rubycon	Aluminum Electrolytic Capacitors Radial, Can - 4000 Hrs @ 105°C 680UF 25V	RADIAL
C106	1	DNP		MuRata	CAP, CERM, 1 uF, +/- 10%, X7R, 1210	1210
C108	1	DNP			Capacitors Radial	SMD2
C109	1	10uF	C3216X7R1A106M085AC	TDK	CAP, CERM, 10 uF, 10 V, +/- 10%, X7R, 1206	1206
C110	1	390µF	APXJ100ARA391MFA0G	United Chemi-Con	Aluminum - Polymer Capacitors Radial, Can - SMD 13mOhm 15000 Hrs @ 105°C	SMD2
C111, C117	2	DNP	DNP	MuRata	CAP, CERM, +/- 10%, X7R, 0603	603
C112	1	3.3uF	C3216X7R1H335K160AC	TDK	CAP, CERM, 3.3 uF, 50 V, +/- 10%, X7R, 1206_190	1206_190
C113	1	0.1uF	C1608X7R1H104K080AA	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	603
C114	1	2200pF		Kemet	CAP, CERM, 2200 pF, X1 400 VAC/Y1 400 VAC, +/- 20%, Y5V, D9xL13mm	D9xL13mm
C115	1	2200pF	C921U222MVVDBA7317	Kemet	CAP, CERM, 2200 pF, X1 400 VAC/Y1 400 VAC, +/- 20%, Y5V, D9xL13mm	D9xL13mm
C116	1	6800pF	C0603C682K5RACTU	Kemet	CAP, CERM, 6800 pF, 50 V, +/- 10%, X7R, 0603	603
C118	1	0.015uF	GRM188R71H153KA01D	MuRata	CAP, CERM, 0.015 uF, 50 V, +/- 10%, X7R, 0603	603
D100	1	100V	MBRB20100CTT4G	ON Semiconductor	Diode, Schottky, 100 V, 20 A, DDPAK	DDPAK
D101	1	800V	DF08SA	Vishay-Semiconductor	Diode, Switching-Bridge, 800 V, 1 A, DF-S	DF-S
D102	1	130V	SMCJ130A-TR	STMicroelectronics	Diode, TVS, Uni, 130 V, 209 Vc, 1500 W, 7.5 A, SMC	SMC
D103	1	600V	US1J-13-F	Diodes Inc.	Diode, Ultrafast, 600 V, 1 A, SMA	SMA
D104	1	200V	US1D-E3/61T	Vishay-Semiconductor	Diode, Ultrafast, 200 V, 1 A, AEC-Q101, SMA	SMA
D105	1	60V	MBRB2060CTT4G	ON Semiconductor	Diode, Schottky, 60 V, 20 A, DDPAK	DDPAK
F100	1		37212000001	Littelfuse	Fuse, 2 A, 250VAC/VDC, TH	TR5 fuse 8.5mm DIA
L100	1	47uH	744732681	Würth Elektronik	Inductor, Unshielded Drum Core, Metal Composite, 47 uH,	D9.0xL8.0mm
L101	1	20mH	744823220	Würth Elektronik	Coupled inductor, 20 mH, 1.5 A, 0.27 ohm, TH	13x22x17.5mm
Q100	1	600V	IPD60R600P7SAUMA1	Infineon Technologies	MOSFET, N-CH, 600 V, 6 A, DPAK	DPAK
R100	1	0	CRCW12100000Z0EAHP	Vishay-Dale	RES, 0, 1%, 0.75 W, AEC-Q200 Grade 0, 1210	1210
R101, R111	2	10	CRCW120610R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.25 W, 1206	1206
R102, R103, R106	3	1.5Meg	CRCW12061M50JNEA	Vishay-Dale	RES, 1.5 M, 5%, 0.25 W, 1206	1206
R104	1		B72210S2271K101	EPCOS	VARISTOR 430V 3.5KA DISC 10MM	RADIAL
R105, R108, R112	3	4.99Meg	CRCW06034M99FKEA	Vishay-Dale	RES, 4.99 M, 1%, 0.1 W, 0603	603
R107	1	500	Used in BOM report	Used in BOM report	RES, xxx ohm, x%, xW, [PackageReference]	Used in PnP output and some BOM reports
R109, R110	2	68,1	CRCW120668R1FKEA	Vishay-Dale	RES, 68.1, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R113	1	22	CRCW120622R0JNEA	Vishay-Dale	RES, 22, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R114	1	147k	CRCW0603147KFKEA	Vishay-Dale	RES, 147 k, 1%, 0.1 W, 0603	603
R115	1	2k	Used in BOM report	Used in BOM report	RES, xxx ohm, x%, xW, [PackageReference]	Used in PnP output and some BOM reports
R116	1	10	CRCW080510R0JNEA	Vishay-Dale	RES, 10, 5%, 0.125 W, 0805	805

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R117	1	1.69k	CRCW06031K69FKEA	Vishay-Dale	RES, 1.69 k, 1%, 0.1 W, 0603	603
R118	1	2.00k	CRCW08052K00FKEA	Vishay-Dale	RES, 2.00 k, 1%, 0.125 W, 0805	805
R119	1	4.02k	CRCW06034K02FKEA	Vishay-Dale	RES, 4.02 k, 1%, 0.1 W, 0603	603
R120	1	0.39	ERJ-8RQFR39V	Panasonic	RES, 0.39, 1%, 0.25 W, 1206	1206
R121	1	35.7k	CRCW060335K7FKEA	Vishay-Dale	RES, 35.7 k, 1%, 0.1 W, 0603	603
R122	1	2	ERJ-6GEYJ2R0V	Panasonic	RES, 2.0, 5%, 0.125 W, 0805	805
R123	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	603
R124, R128	2	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	603
R125	1	32.4k	CRCW060332K4FKEA	Vishay-Dale	RES, 32.4 k, 1%, 0.1 W, 0603	603
R126	1	6.34k	RC0603FR-076K34L	Yageo	RES, 6.34 k, 1%, 0.1 W, 0603	603
R127	1	DNP	DNP	Vishay-Dale	RES, 1%, 0.1 W, 0603	603
R129	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	603
T100	1		750319816	Würth Electronics	TRANSFORMER	PTH_TRANSFORMER_32MM25_27MM05
TP100, TP101, TP102, TP103, TP105	5		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP104, TP106	2		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U100	1		UCC28742DBVR	Texas Instruments	High-Efficiency Low-Cost Flyback Controller with Secondary-Side Regulation, DBV0006A (SOT-23-6)	DBV0006A
U101	1		FOD817ASD	Fairchild Semiconductor	Optocoupler, 5 kV, 80-160% CTR, SMT	DIP-4L Gullwing
U102	1		ATL431LIBQDBZR	Texas Instruments	High Bandwidth Low-Iq Programmable Shunt Regulator, DBZ0003A (SOT-23-3)	DBZ0003A

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