

PMP22487 REV C Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	2.2uF	GCM31CR71H225KA55L	MuRata	CAP, CERM, 2.2 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
C4	1	100uF	EEHZA1E101XV	Panasonic	CAP, Polymer Hybrid, 100 uF, 25 V, +/- 20%, 30 ohm, 6.3x7.7 SMD	6.3x7.7
C5	1	1uF	GCM188R71E105KA64D	MuRata	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C100, C101, C102	3	3.3uF	CGA5L3X7S2A335M160AB	TDK	CAP, CERM, 3.3 uF, 100 V, +/- 20%, X7S, AEC-Q200 Grade 1, 1206_190	1206_190
D1, D100	2	100V	1N4148WS-HG3-08	Vishay-Semiconductor	Diode, Switching, 100 V, 150 A, AEC-Q101, SOD-323	SOD-323
D2, D3	2	200V	ES1D-E3/61T	Vishay-Semiconductor	Diode, Ultrafast, 200 V, 1 A, AEC-Q101, SMA	SMA
D101	1	5.1V	MMSZ4689-HE3-08	Vishay-Semiconductor	Diode, Zener, 5.1 V, 500 mW, AEC-Q101, SOD-123	SOD-123
J1, J2	2		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
L1	1	150uH	CLF10060NIT-151M-D	TDK	Inductor, Shielded, Ferrite, 150 uH, 1.05 A, 0.288 ohm, AEC-Q200 Grade 0, SMD	10.1x10x6.3mm
Q1	1		SQJA20EP-T1_GE3	Vishay	MOSFET N-CH 200V PWRPAK SO-8L	PowerPAK SO-8L Single
R1	1	6.04k	CRCW04026K04FKED	Vishay-Dale	RES, 6.04 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R2	1	2.43k	CRCW04022K43FKED	Vishay-Dale	RES, 2.43 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R4	1	0	ERJ-2GE0R00X	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
R5	1	1.00k	CRCW04021K00FKED	Vishay-Dale	RES, 1.00 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R6	1	1.00	ERJ-8RQF1R0V	Panasonic	RES, 1.00, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R7	1	4.99k	ERJ-6ENF4991V	Panasonic	RES, 4.99 k, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
R8, R9	2	5.76k	ERJ-6ENF5761V	Panasonic	RES, 5.76 k, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
R100, R101, R102	3	1.00Meg	CRCW06031M00FKEA	Vishay-Dale	RES, 1.00 M, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
TP1, TP2	2		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP3	1		5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
TP4, TP5, TP6	3		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		UCC28730QDRQ1	Texas Instruments	Zero Standby PSR Flyback Controller with CVCC and Wake-Up Monitoring, Automotive, D0007A (SOIC-7)	D0007A
C2	0	22pF	CGA3E2C0G1H220J080AA	TDK	CAP, CERM, 22 pF, 50 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0603	0603
R3	0	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
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