

Variant: 001
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PMP23431 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C2, C3, C4, C5, C6, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21	18	2.2uF	UMJ316AB7225KLHT	Taiyo Yuden	CAP, CERM, 2.2 µF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
2	C7, C8, C9	3	47uF	EEU-EE2G470S	Panasonic	CAP, AL, 47 uF, 400 V, +/- 20%, TH	18x20mm
3	C22, C23, C24, C25, C26, C27	6				CAP CER 2200PF 2KV X7R 1812	
4	C28, C29	2				Cap Ceramic 10uF 50V X7R 10% Pad SMD 1206 +125°C Automotive T/R	
5	C31, C32	2	0.1uF	C2225C104KFRACU	Kemet	CAP, CERM, 0.1 uF, 1500 V, +/- 10%, X7R, 2225	2225
6	D1, D2, D5	3	600V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600 V, 1 A, AEC-Q101, SMA	SMA
7	D3, D8, D9	3		SZ1SMB5956BT3G	On Semiconductor	3 W Zener Voltage Regulator, 2-Pin SMB, Pb-Free, Tape and Reel	SMB-2-403A-03_H
8	D4	1	100V	SMBJ100A-13-F	Diodes Inc.	Diode, TVS, Uni, 100 V, 162 Vc, SMB	SMB
9	D6	1				DIODE AVALANCHE 1300V 1A DO214AC	
10	D13, D14	2	150V	BAV20WS-TP	Micro Commercial Compon	Diode, P-N, 150 V, 0.2 A, SOD-323	SOD-323
11	D15	1	20V	DDZ20CQ-7	Diodes Inc.	Diode, Zener, 20 V, 500 mW, AEC-Q101, SOD-123	SOD-123
12	GND, SGND1, SGND2, SGND3	5		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
13	Q2	1		STW12N120K5	STMicroelectronics	N-Channel 1200 V 12A (Tc) 250W (Tc) Through Hole TO-247-3	TO-247-3
14	Q3	1		MMBT3904LT1G	On Semiconductor	General Purpose Transistor, NPN Silicon, 3-Pin SOT-23, Pb-Free, Tape and Reel	SOT-23-3-318-08
15	Q5	1		MMBT2907ALT3G	On Semiconductor	General Purpose Transistor, PNP Silicon, 3-Pin SOT-23, Pb-Free, Tape and Reel	SOT-23-3-318-08
16	R2, R5, R8, R11, R12, R13	6	470k	CRCW1206470KJNEA	Vishay-Dale	RES, 470 k, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
17	R6, R7, R9	3	300k	CRCW1206300KJNEA	Vishay-Dale	RES, 300 k, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
18	R25	1	0	RMCF0603ZTOR00	Stackpole Electronics Inc	RES, 0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
19	R26	1	5.60k	ERJ3EKF5601V	Panasonic	RES, 5.60 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
20	R27	1	37.4k	ERA-3AEB3742V	Panasonic	RES, 37.4 k, 0.1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
21	R28	1				RES SMD 1.2K OHM 0.1% 1/10W 0603	
22	R29	1				Automotive Metal Thin Film Chip Resistor, 0603, 332kΩ, 0.1%, 25ppm/°C, 0.1W, 100V	
23	R31	1			Panasonic		
24	R32	1	13.3k	CRCW060313K3FKEA	Vishay-Dale	RES, 13.3 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
25	S1, S2, S3, VDD, VIN	5		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
26	T1	1		750320469	Würth Electronics	TRANSFORMER	PTH14
27	U1	1		UCC28730QDRQ1	Texas Instruments	Zero Standby PSR Flyback Controller with CVCC and Wake-Up Monitoring, Automotive, D0007A (SOIC-7)	D0007A
28	C30	0	100pF	CGA3E2NP01H101J080AA	TDK	CAP, CERM, 100 pF, 50 V, +/- 5%, COG/NPO, AEC-Q200 Grade 0, 0603	0603
29	R1, R3, R4	0	10.0k	ERJ-8ENF1002V	Panasonic	RES, 10.0 k, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
30	R21	0	0	RMCF0603ZTOR00	Stackpole Electronics Inc	RES, 0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603

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