

PMP22819 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB	1		PMP22819	Any	Printed Circuit Board	
C1, C2, C19, C21	4	470pF	GRM2165C2A471JA01D	MuRata	CAP, CERM, 470pF, 100V, +/-5%, C0G/NP0, 0805	0805
C3, C4, C5, C22, C23	5		EEH-ZS1J151V	Panasonic	HYBRID CAPACITOR, SMD 63V150UF 1	RADIAL
C6, C7, C8, C9, C10, C24, C25, C26, C27, C28, C35, C36, C37, C38, C39, C40	16	10uF	C3225X7R1E106M250AC	TDK	CAP, CERM, 10 uF, 25 V, +/- 20%, X7R, 1210	1210
C11, C13, C29, C31	4	0.47uF	GRM188R71E474KA12D	MuRata	CAP, CERM, 0.47uF, 25V, +/-10%, X7R, 0603	0603
C12, C16, C18, C30, C33	5	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	0603
C14, C32	2	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	0603
C15	1	0.1uF	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0603	0603
C17	1	0.047uF	GRM188R71E473KA01D	MuRata	CAP, CERM, 0.047uF, 25V, +/-10%, X7R, 0603	0603
C20	1	0.022uF	C0603C223K3RACTU	Kemet	CAP, CERM, 0.022uF, 25V, +/-10%, X7R, 0603	0603
C34	1	0.01uF	GRM188R71C103KA01D	MuRata	CAP, CERM, 0.01uF, 16V, +/-10%, X7R, 0603	0603
D1, D3, D4, D5	4	0.57V	PMEG6010CEH,115	NXP Semiconductor	Diode, Schottky, 60V, 1A, SOD-123F	SOD-123F
J1, J2, J3, J4	4		575-4	Keystone	Standard Banana Jack, Uninsulated, 5.5mm	Keystone_575-4
L1, L2	2	3.3uH	IHLP6767GZER3R3MA1	Vishay-Dale	INDUCTOR POWER 3.3UH 54A SMD	IHLP-6767G
LBL1	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650 x 0.200 inch
Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8	8	40V	BSC022N04LSATMA1	Infineon Technologies	MOSFET, N-CH, 40 V, 100 A, PG-TDSON-8	PG-TDSON-8
R1, R2, R19, R23	4	7.5	ERJ-12ZYJ7R5U	Panasonic	RESISTOR 7.5 OHM 3/4W 5% 2010	2010
R3, R24	2	0.0015	ERJ-M1WTF1M5U	Panasonic	RES, 0.0015 ohm, 1%, 1W, 2512	2512
R4, R7, R8, R13, R14, R15, R27, R28, R30, R31, R32	11	0	ERJ-3GEY0R00V	Panasonic	RES, 0 ohm, 5%, 0.1W, 0603	0603
R5, R6, R25, R26	4	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100 ohm, 1%, 0.1W, 0603	0603
R10	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9k ohm, 1%, 0.1W, 0603	0603
R11, R29	2	3.3	CRCW06033R30JNEA	Vishay-Dale	RES, 3.3 ohm, 5%, 0.1W, 0603	0603
R12	1	15.0k	RC0603FR-0715KL	Yageo America	RES, 15.0k ohm, 1%, 0.1W, 0603	0603
R16, R33	2	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0k ohm, 1%, 0.1W, 0603	0603
R17, R34	2	39.0k	RC0603FR-0739KL	Yageo America	RES, 39.0k ohm, 1%, 0.1W, 0603	0603
R18	1	15.0k	CRCW060315K0FKEA	Vishay-Dale	RES, 15.0k ohm, 1%, 0.1W, 0603	0603
R20	1	2.67k	CRCW06032K67FKEA	Vishay-Dale	RES, 2.67k ohm, 1%, 0.1W, 0603	0603
R21	1	23.2k	CRCW060323K2FKEA	Vishay-Dale	RES, 23.2k ohm, 1%, 0.1W, 0603	0603
R22	1	604	CRCW0805604RFKEA	Vishay-Dale	RES, 604 ohm, 1%, 0.125W, 0805	0805
TP1, TP3	2	Red	5000	Keystone	Test Point, TH, Miniature, Red	Keystone5000
TP2, TP4	2	Black	5001	Keystone	Test Point, TH, Miniature, Black	Keystone5001
TP5, TP6, TP7, TP8, TP9, TP10	6	White	5002	Keystone	Test Point, TH, Miniature, White	Keystone5002
U1, U2	2		LM5122MH/NOPB	Texas Instruments		
FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R9	0	158k	CRCW0603158KFKEA	Vishay-Dale	RES, 158k ohm, 1%, 0.1W, 0603	0603

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