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PMP9487 REVA

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
!PCB1	1		Printed Circuit Board		PMP9487	Any		
C1	1	1200pF	CAP, CERM, 1200 pF, 50 V, +/- 10%, X7R, 0805	0805	08055C122KAT2A	AVX		
C2, C3	2	2.2uF	CAP, CERM, 2.2 uF, 35 V, +/- 10%, X7R, 0805	0805	C2012X7R1V225K085A C	TDK		
C4	1	68uF	CAP, AL, 68 uF, 63 V, +/- 20%, 0.35 ohm, SMD	SMT Radial G	EEE-FK1J680UP	Panasonic		
C5, C8	2	4.7uF	CAP, CERM, 4.7 uF, 50 V, +/- 10%, X7R, 1206	1206	GRM31CR71H475KA12 L	MuRata		
C6, C7	2	0.1uF	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0805	0805	08055C104KAT2A	AVX		
C9	1	22uF	CAP, CERM, 22 uF, 16 V, +/- 20%, X7R, 1210	1210	C3225X7R1C226M	TDK		
C10	1	0.1uF	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0805	0805	C2012X7R2A104K	TDK		
C11	1	100pF	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	0603	06035A101JAT2A	AVX		
C12	1	4700pF	CAP, CERM, 4700 pF, 50 V, +/- 10%, X7R, 0603	0603	C0603C472K5RACTU	Kemet		
C13	1	1uF	CAP, CERM, 1uF, 16V, +/-10%, X5R, 0603	0603	GRM188R61C105KA93 D	MuRata		
C14, C15	2	0.022uF	CAP, CERM, 0.022 uF, 50 V, +/- 10%, X7R, 0805	0805	C0805C223K5RACTU	Kemet		
C16	1	100pF	CAP, CERM, 100 pF, 50 V, +/- 10%, X7R, 0402	0402	CC0402KRX7R9BB101	Yageo America		
C17, C18	2	47uF	CAP, CERM, 47uF, 10V, +/-10%, X7R, 1210	1210	GRM32ER71A476KE15 L	MuRata		
C19, C22	2	0.1uF	CAP, CERM, 0.1uF, 16V, +/-10%, X7R, 0402	0402	GRM155R71C104KA88 D	MuRata		
C20	1	3.3uF	CAP, CERM, 3.3uF, 50V, +/-20%, X7R, 1210	1210	C3225X7R1H335M	TDK		
C21	1	10uF	CAP, CERM, 10uF, 50V, +/-10%, X7R, 1210	1210	GRM32ER71H106KA12 L	MuRata		
C23	1	0.047uF	CAP, CERM, 0.047 uF, 50 V, +/- 10%, X7R, 0603	0603	C1608X7R1H473K	TDK		
C24	1	2.2uF	CAP, CERM, 2.2uF, 10V, +/-10%, X5R, 0402	0402	C1005X5R1A225K050B C	TDK		
C25	1	4.7uF	CAP, CERM, 4.7 uF, 50 V, +/- 10%, X5R, 0805	0805	C2012X5R1H475K125A B	TDK		
C26	1	22uF	CAP, CERM, 22 uF, 6.3 V, +/- 10%, X7R, 1210	1210	C1210C226K9RACTU	Kemet		
C27	1	4.7uF	CAP, CERM, 4.7 uF, 10 V, +/- 10%, X7R, 0805	0805	GRM21BR71A475KA73 L	MuRata		
CX1	1	10uF	CAP, CERM, 10 uF, 25 V, +/- 20%, X7R, 1210	1210	C3225X7R1E106M250A C	TDK		
CX2	1	1000pF	CAP, CERM, 1000 pF, 100 V, +/- 5%, X7R, 0603	0603	06031C102JAT2A	AVX		
D1	1	60V	Diode, Schottky, 60V, 1A, SMA	SMA	B160-13-F	Diodes Inc.		
D2	1	30V	Diode, Schottky, 30V, 1A, SMB	SMB	10BQ030TRPBF	International Rectifier		
FID4, FID5, FID6	3		Fiducial mark. There is nothing to buy or mount.	Fiducial	N/A	N/A		
H1, H2, H3, H4	4		Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw	NY PMS 440 0025 PH	B&F Fastener Supply		
H5, H6, H7, H8	4		Standoff, Hex, 0.5"L #4-40 Nylon	Standoff	1902C	Keystone		
L1	1	47uH	Inductor, Shielded Drum Core, Ferrite, 47uH, 2.7A, 0.076 ohm, SMD	WE-PD-XL	744770147	Würth Elektronik eiSos		
L2	1	33uH	Coupled inductor, 33uH, 1.73A, 0.143 ohm, +/-20%, SMD	7.4x4.55x7.4mm	DRQ74-330-R	Coiltronics		
L3	1	56uH	Coupled inductor, 56uH, 1.53A, 0.198 ohm, +/-20%, SMD	MSD1260	MSD1260-563MLB	Coilcraft		
L4	1	10uH	Inductor, Shielded Drum Core, Ferrite, 10uH, 5.35A, 0.0189 ohm, SMD	DR125	DR125-100-R	Coiltronics		
L5	1	6.8uH	Inductor, Shielded, Ferrite, 6.8uH, 1.05A, 0.131 ohm, SMD	4.0x2.0x4.0mm	VLCF4020T-6R8N1R0	TDK		
LBL1	1		Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650"H x 0.200"W	THT-14-423-10	Brady		
R1	1	4.70	RES, 4.70, 1%, 0.25 W, 1206	1206	RC1206FR-074R7L	Yageo America		
R2	1	4.99	RES, 4.99 ohm, 1%, 0.125W, 0805	0805	CRCW08054R99FKFA	Vishay-Dale	Equivalent	Any
R3	1	22.1k	RES, 22.1k ohm, 1%, 0.1W, 0603	0603	CRCW060322K1FKFA	Vishay-Dale	Equivalent	Any
R4	1	150k	RES, 150 k, 1%, 0.1 W, 0603	0603	CRCW0603150KFKEA	Vishay-Dale		
R5	1	84.5k	RES, 84.5 k, 1%, 0.1 W, 0603	0603	CRCW060384K5FKFA	Vishay-Dale		
R6	1	49.9	RES, 49.9, 1%, 0.1 W, 0603	0603	RC0603FR-0749R9L	Yageo America		
R7	1	25.5k	RES, 25.5 k, 1%, 0.1 W, 0603	0603	RC0603FR-0725K5L	Yageo America		
R8	1	6.04k	RES, 6.04 k, 0.5%, 0.1 W, 0603	0603	RT0603DRE076K04L	Yageo America		
R9, R20	2	10.0k	RES, 10.0 k, 1%, 0.1 W, 0603	0603	RC0603FR-0710KL	Yageo America		
R10, R14	2	1.00Meg	RES, 1.00 M, 1%, 0.1 W, 0603	0603	CRCW06031M00FKFA	Vishay-Dale		
R11, R17	2	0	RES, 0 ohm, 5%, 0.063W, 0402	0402	ERJ-2GE0R00X	Panasonic	Equivalent	Any
R12	1	590k	RES, 590 k, 1%, 0.1 W, 0603	0603	CRCW0603590KFKEA	Vishay-Dale		
R13	1	49.9k	RES, 49.9k ohm, 1%, 0.063W, 0402	0402	CRCW040249K9FKED	Vishay-Dale	Equivalent	Any
R15	1	432k	RES, 432 k, 1%, 0.1 W, 0603	0603	CRCW0603432KFKEA	Vishay-Dale		
R16	1	82.5k	RES, 82.5 k, 1%, 0.1 W, 0603	0603	CRCW060382K5FKFA	Vishay-Dale		
R18	1	10.0k	RES, 10.0k ohm, 1%, 0.125W, 0805	0805	CRCW080510K0FKFA	Vishay-Dale		
R19	1	20.0k	RES, 20.0 k, 1%, 0.1 W, 0603	0603	CRCW060320K0FKFA	Vishay-Dale		
TP1, TP3, TP7	3	Red	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint	5010	Keystone		
TP2, TP4, TP6, TP8, TP12, TP13, TP15, TP16	8	Double	Terminal, Turret, TH, Double	Keystone1502-2	1502-2	Keystone	Equivalent, Equivalent, E	Any, Any, Any, Any, [NoValue],
TP5, TP9, TP10	3	Black	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint	5011	Keystone		
TP11, TP14	2	Orange	Test Point, Multipurpose, Orange, TH	Orange Multipurpose Testpoint	5013	Keystone		
U1	1		High Voltage Switch Mode Regulator, 8-pin LLP, Pb-Free	SDC08A	LM5001SDX/NOPB	National Semiconductor		
U2	1		3.5 - 36V 3A Step-Down Converters with Low Quiescent Current, PWP0016F	PWP0016F	LM43603PWP	Texas Instruments		None
U3	1		High Frequency 1.5A Load - Step-Down DC-DC Regulator, 5-pin SOT-23	MF05A	LM2831YMF	Texas Instruments		
FID1, FID2, FID3	0		Fiducial mark. There is nothing to buy or mount.	Fiducial	N/A	N/A		

Notes:

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