

PMP8688

Quantity	Designator	Value	Description	PackageReference	PartNumber	Manufacturer
2	C1, C2	0.056uF	CAP, CERM, 0.056uF, 1000V, +/-10%, X7R, 1210	1210	C1210C563KDRACTU	Kemet
3	C3, C4, C5	10uF	CAP, CERM, 10uF, 25V, +/-20%, X7R, 1210	1210	C3225X7R1E106M	TDK
1	C6	10uF	CAP, CERM, 10uF, 50V, +/-10%, X7R, 1210	1210	GRM32ER71H106KA12L	MuRata
1	C7	1000pF	CAP, CERM, Safety,1000pF, 250V, +/-10%, X1Y2, 1808	1808	GA342DR7GF102KW02L	Vishay-Vitramon
1	C8	100pF	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	0603	C1608C0G1H101J	TDK
1	C9	0.022uF	CAP, CERM, 0.022uF, 50V, +/-10%, X7R, 0603	0603	C1608X7R1H223K	TDK
1	C10	0.33uF	CAP, CERM, 0.33uF, 16V, +/-10%, X7R, 0603	0603	C0603C334K4RACTU	Kemet
1	C11	22pF	CAP, CERM, 22pF, 50V, +/-5%, C0G/NP0, 0603	0603	C1608C0G1H220J	TDK
1	C12	0.022uF	CAP, CERM, 0.022uF, 50V, +/-10%, X8R, 0603	0603	C1608X8R1H223K	TDK
1	C13	0.056uF	CAP, CERM, 0.056uF, 16V, +/-10%, X7R, 0603	0603	GRM188R71C563KA01D	MuRata
1	D1	MURA120T3G	Diode, Ultrafast, 200V, 1A, SMA	SMA	MURA120T3G	ON Semiconductor
1	D2	110V	Diode, TVS, Uni, 110V, 400W, SMA	SMA	SMAJ110A	MDE Semiconductors
1	D3	US1M	Diode, Ultrafast, 1000V, 1A, SMA	SMA	US1M-13-F	Diodes Inc.
1	D4	10V	Diode, Zener, 10V, 300mW, SOD-523	SOD-523	BZT52C10T-7	Diodes Inc.
1	D5	BAV21W	Diode, Switching, 200V, 0.2A, SOD-123	SOD-123	BAV21W-7-F	Diodes Inc.
1	Q1	STQ1NK80ZR-AP	MOSFET, N-CH, 800V, 0.3A, 16 Ohm, TO-226AA	TO-226AA	STQ1NK80ZR-AP	STM
1	Q2	STD1NK80Z-1	MOSFET, N-CH, 800V, 1A, IPAK	IPAK	STD1NK80Z-1	ST
3	R1, R2, R3	1.0Meg	RES, 1.0Meg ohm, 5%, 0.25W, 1206	1206	CRCW12061M00JNEA	Vishay-Dale
1	R4	221	RES, 221 ohm, 1%, 0.1W, 0603	0603	CRCW0603221RFKEA	Vishay-Dale
2	R5, R11	60.4k	RES, 60.4k ohm, 1%, 0.1W, 0603	0603	CRCW060360K4FKEA	Vishay-Dale
2	R6, R8	10.0	RES, 10.0 ohm, 1%, 0.1W, 0603	0603	CRCW060310R0FKEA	Vishay-Dale
1	R7	49.9	RES, 49.9 ohm, 1%, 0.1W, 0603	0603	CRCW060349R9FKEA	Vishay-Dale
1	R9	1.00k	RES, 1.00k ohm, 1%, 0.1W, 0603	0603	CRCW06031K00FKEA	Vishay-Dale
1	R10	1.82	RES, 1.82 ohm, 1%, 0.125W, 0805	0805	CRCW08051R82FKEA	Vishay-Dale
1	R12	127k	RES, 127k ohm, 1%, 0.1W, 0603	0603	CRCW0603127KFKEA	Vishay-Dale
1	R13	10.0k	RES, 10.0k ohm, 1%, 0.1W, 0603	0603	CRCW060310K0FKEA	Vishay-Dale
1	R14	4.75k	RES, 4.75k ohm, 1%, 0.1W, 0603	0603	CRCW06034K75FKEA	Vishay-Dale
1	R15	56.2k	RES, 56.2k ohm, 1%, 0.1W, 0603	0603	CRCW060356K2FKEA	Vishay-Dale
1	R16	11.5k	RES, 11.5k ohm, 1%, 0.1W, 0603	0603	CRCW060311K5FKEA	Vishay-Dale
1	T1	750370140	Transformer, 6 mH, TH	Transfomer, 25x16x22.2 mm	750370140	Würth Elektronik eiSos
2	TP1, TP3	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone
2	TP2, TP4	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
1	TP5	5012	Test Point, White, Thru Hole	0.125 x 0.125 inch	5012	Keystone
1	U1	LM5021MM-1	AC-DC Current Mode PWM Controller, 8-pin MSOP	MUA08A	LM5021MM-1	Texas Instruments
1	U2	TCMT1107	IC, Photocoupler	MF4	TCMT1107	Vishay
1	U3	LMV431B	Low-Voltage (1.24V) Adjustable Precision Shunt Regulators, 3-pin SOT-23	MF03A	LMV431BIMFX	Texas Instruments

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