

optocoupler version

**PMP31288 REV Bill of Materials**

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C4	2	DNP	DNP	TDK	CAP, CERM,	1210
C2	1	10uF	C3225X7R1H106M250AC	TDK	CAP, CERM, 10 uF, 50 V, +/- 20%, X7R, 1210	1210
C5	1	0.047uF	08055C473KAT2A	AVX	CAP, CERM, 0.047 uF, 50 V, +/- 10%, X7R, 0805	0805
C6	1	1uF		Kemet	DNP	0805
C7	1	0.1uF	C0805C104J5RACTU	Kemet	CAP, CERM, 0.1 uF, 50 V, +/- 5%, X7R, 0805	0805
C9	1	DNP	DNP	MuRata	CAP, CERM,	0603
C10	1	390pF	C0603C391K5RACTU	Kemet	CAP, CERM, 390 pF, 50 V, +/- 10%, X7R, 0603	0603
C13, C20	2	33uF	UCS2W330MHD6	Nichicon	CAP, AL, 33 uF, 450 V, +/- 20%, TH	D18xL20mm
C14	1	DNP	DNP	AVX	CAP, CERM,	0805
C15	1	0.1uF	B32913C5104K000	TDK	CAP, Film, 0.1 uF, 1000 V, +/- 10%, TH	26.5x7mm
C16, C17	2	DNP	GCM31MR71E105KA37L	MuRata	DNP	1206
C18	1	330uF	EEE-FK1E331P	Panasonic	CAP, AL, 330 uF, 25 V, +/- 20%, 0.16 ohm, AEC-Q200 Grade 2, SMD	SMT Radial F
C19	1	2200pF	GRM188R71H222KA01D	MuRata	CAP, CERM, 2200 pF, 50 V, +/- 10%, X7R, 0603	0603
C21	1	1uF	GRM21BR71H105KA12L	MuRata	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 0805	0805
D1	1	100V	1N4148W-7-F	Diodes Inc.	Diode, Ultrafast, 100 V, 0.15 A, SOD-123	SOD-123
D2	1	1000V	US1M-13-F	Diodes Inc.	Diode, Ultrafast, 1000 V, 1 A, SMA	SMA
D6	1	100V	MMDL914-TP	Micro Commercial Component	Diode, Switching, 100 V, 0.2 A, SOD-323	SOD-323
D7, D8	2	1000V	S1MB-13-F	Diodes Inc.	Diode, Standard Recovery Rectifier, 1000 V, 1 A, SMB	SMB
D9	1	1000V	APT30DQ100	Microsemi	Diode, Ultrafast, 1000 V, 30 A, TH	TO-247-2
D10	1	75V	BAV99-7-F	Diodes Inc.	Diode, Switching, 75 V, 0.3 A, SOT-23	SOT-23
J1	1		691214110002S	Würth	2 Position Wire to Board Terminal Block Horizontal with Board 0.138" (3.50mm) Through Hole	HDR2
L1	1	220uH		Würth	WE-TI HV Radial Leaded Wire Wound Inductor (High Voltage) 220uH	RADIAL
L2	1	470uH	MSS1514V-474	Coilcraft	Inductor, Drum Core, Ferrite, 470 uH,	14.8x8.6x14.8mm
MP1	1		HSS-B20-NP-06	CUI Devices	Heat Sink TO-220 Aluminum 2.9W @ 75°C Board Level	HEATSINK_19MM0_9MM52
Q4	1		STP80N240K6	STMicroelectronics	N-Channel 800V Through Hole TO-220	TO-220AB
R1	1	0	CRCW08050000Z0EAHP	Vishay-Dale	RES, 0, 5%, 0.333 W, 0805	0805
R6	1	499	RC0603FR-07499RL	Yageo	RES, 499, 1%, 0.1 W, 0603	0603
R8, R10, R22	3	DNP	RC0603FR-07140KL	Yageo	RES,	0603
R9, R11, R18, R40	4	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R12, R17, R23, R25	4	499k	CRCW1206499KFKEA	Vishay-Dale	RES, 499 k, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R14	1	1k	CRCW06031K00FKEAC	Vishay	1 kOhms ±1% 0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Thick Film	0603
R26	1	10	CRCW080510R0JNEA	Vishay-Dale	RES, 10, 5%, 0.125 W, 0805	0805
R27	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R28	1	0.82	ERJ-8RQFR82V	Panasonic	RES, 0.82, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R29	1	TBD	Z35092238209J6BC10_VM	Vishay	Industrial Axial Cemented Leaded Wirewound Resistors 5% 6W	AXIAL
R30	1	49.9	RC0603FR-0749R9L	Yageo	RES, 49.9, 1%, 0.1 W, 0603	0603
R31	1	DNP	DNP	Panasonic	RES, 0.56, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R32, R33, R41, R42	4	1.0Meg	CRCW12061M00JNEA	Vishay-Dale	RES, 1.0 M, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R34	1	3.01k	RC0603FR-073K01L	Yageo	RES, 3.01 k, 1%, 0.1 W, 0603	0603
R35	1	143k	CRCW0603143KFKEA	Vishay-Dale	RES, 143 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R36	1	10.0k	RCG060310K0FKEA	Vishay Draloric	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R37	1		V20H510AUTO	Littelfuse	820V 10kA Varistor 1 Circuit Through Hole Disc 20mm	RADIAL

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R38, R39	2		CRCW08054K99FKEAHP	Vishay Dale	Res Thick Film 0805 4.99K Ohm 1% 1/3W 100ppm/C Molded SMD SMD Paper T/R	0805
R43	1	34.0k	RC0603FR-0734KL	Yageo	RES, 34.0 k, 1%, 0.1 W, 0603	0603
TP1, TP4, TP5, TP6	4		5000	Keystone Electronics	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP3	1		5125	Keystone Electronics	Test Point, Multipurpose, Brown, TH	Brown Multipurpose Testpoint
TP7	1		5127	Keystone Electronics	Test Point, Multipurpose, Blue, TH	Blue Multipurpose Testpoint
TP8	1		5001	Keystone Electronics	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		UCC28750XDBV	Texas Instruments	Continuous Conduction Mode (CCM) Secondary Side Regulated (SSR) Current-Mode Offline Flyback Controller	SOT23-6
U2	1		FOD817A	Fairchild Semiconductor	Optocoupler, 5 kV, 80-160% CTR, TH	DIP, 4-Leads, Body 6.86x4.83mm, Pitch 2.54mm
U4	1		TL431AQDBZR	Texas Instruments	Adjustable Precision Shunt Regulator, 34 ppm / degC, 100 mA, -40 to 125 degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br)	DBZ0003A
XF1	1	TR5	56000001009	Littelfuse	Fuse Holder, TR5, TH	TR5 Fuse Holder

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