

# Bill of Materials

**TI DESIGNS**

## PMP7672 BOM

Qty	Value	RefDes	Part Number	Manufacturer	Description	Size
2	0.1uF/X2	C1 C2	B32922C3104M	Epcos	CAP FILM 0.1UF 630VDC RADIAL	18mm x 5mm x 10.5mm
1	220uF/63V	C10	EEU-FC1J221	Panasonic	CAP ALUM 220UF 63V 20% RADIAL,105DegC	12.5mm(dia.)x 22mm (height)
1	330uF/63V	C11	EEU-FC1J331	Panasonic	CAP ALUM 330UF 63V 20% RADIAL,105DegC	12.5mm(dia.)x20m m (height)
1	1uF/100v	C12	Std	Std	CAP CER 1UF 100V 20% X7R 1206	1206
1	DNP	C13	BFC233820104	Vishay	CAP FILM 0.1UF 630VDC RADIAL	Leaded, Size<12mm(L)X6m m(W)x12mm(H), Pin distance: 10mm
1	0.047uF/310VAC	C3	BFC233820473	Vishay	CAP FILM 0.047UF 630VDC RADIAL	Leaded, Size<10mm(L)X5m m(W)x10.5mm(H), Pin distance: 7.5mm
1	3.3nF/630v	C4	FK26X7R2J332K	TDK	Capacitor, Ceramic, 630V, X7R,+/-10%	Leaded, Size<5.5mm(L)X3.5 mm(W) x6mm(H), Pin distance: 5mm
1	DNP	C5	STD	STD	Capacitor, 100pF Ceramic Chip, 50V, ±10%	805
1	10uF/35V	C6	Std	Std	CAP ALUM 10uF 35V 20% RADIAL	5mm(dia.)x7mm (height). Lead spacing 2.5mm
1	10pF	C7	Std	Std	CAP CER 22pF 16V 10% X7R 0805	805
1	6.8uF/16V	C8	Std	Std	CAP CER 6.8uF 16V 10% X7R 0805	805
1	2200pF/Y1	C9	Std	Std	Y1 CAP, 2200pF, 250VAC, - 25to105DegC,	Lead space, 10mm, 11.5mm Dia

1	DNP	C14	Std	Std	Capacitor, 0.1uFCeramic Chip, 50V, ±10%	805
1	1A/600V	D1	DF06S-T	Diodes Inc	Bridge Rectifier, 600V, 1A	DFS-4 Pin SMD Gullwing
1	0.2A, 200V	D2	BAS20LT1G	ON Semiconductor	DIODE SWITCHING 200V 200MA SOT23	SOT-23-3
1	1A, 1000V	D3	US1M-E3/61T	Vishay	Diode Ultrafast Rectifier, 1A, 1000V	SMA
1	SD101CW	D4	BAT54FILM	ST Micro	Diode, Schottky, 300mA, 40V	SOT-23-3
1	3A,400V	D5	ES3G-E3/57T	Vishay	Diode,ultra fast, 3A/400V	SMC
1	DNP	D6	1N4007	Std	Diode, General Purpose, 1A, 1000V	DO41
1	5A/300Vac (T)	F1	F5464CT-ND	Littlefuse	FUSE 5A 300V, SlowBlow, Radial	8.50mm(L) x 4.00mm(W) x 8.00mm(H)
1	30mH	L1	Custom	Custom	30mH/0.5A	EI-11.6
2	6.8mH/0.5A	L2-3	Custom	Custom	6.8mH/0.5A, size: 8mm*10mm	8mmx10mm
2	320VAC	MOV1-2	V10E300P	Littelfuse	VARISTR 300VRMS 2500A 10MM STRGT	10 mm
1	4A, 800V	Q1	SPD04N80C3	ST	MOSFET, N-ch, 800V, 4A	DPAK
2	16.2K	R1 R16	Std	Std	Resistor, Chip, 1/4 watt, ± 5%	1206
1	1.1K	R13	Std	Std	Resistor, Chip, 1/4 watt, ± 5%	805
1	1R	R14	Std	Std	Resistor, Chip, 1/4 watt, ± 1%	1206
1	DNP	R15	Std	Std	Resistor, Chip, 1/4 watt, ± 1%	805
1	68K 1W	R2	Std	Std	Resistor, Leaded,1/watt, ± 5%	Leaded 1W
1	150k	R4	Std	Std	Resistor, Leaded, 1/2 watt, ± 5%	Leaded 0.5W
1	150k	R5	Std	Std	Resistor, Chip, 1/4 watt, ± 5%	1206
1	0R	R12	Std	Std	Resistor, Chip, 1/4 watt, ± 5%	805
1	15E	R6	Std	Std	Resistor, Chip, 1/4 watt, ± 5%	1206
1	68k	R7	Std	Std	Resistor, Chip, 1/4 watt, ± 1%	1206
1	11k	R8	Std	Std	Resistor, Chip, 1/4 watt, ± 1%	1206
1	6.8k	R9	Std	Std	Resistor, Chip, 1/4 watt, ± 5%	1206
2	DNP	R10 R11	Std	Std	Resistor, Chip, 1/4 watt, ± 5%	805
2	DNP	R3 R20	Std	Std	Resistor, Chip, 1/4 watt, ± 5%	805
2	DNP	R17 R19	Std	Std	Resistor, Chip, 1/4 watt, ± 5%	805

1	DNP	R18	Std	Std	Resistor, Leaded, 1/2 watt, ± 5%	Leaded 0.5W
1	EDR3909	T1	EDR3909 10 Pin Horizontal	Custom	1.2mH CF139 core or equivalent	Custom
1	TPS92314A	U1	TPS92314A	TI	Off-Line Primary Side Sensing Controller with PFC	SOIC-8
1	DNP	U2	TL431CDBZR	TI	Analog Precision Shunt Regulator	SOT-23-3