

# Bill of Materials

**TI DESIGNS PMP10532**

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number	PCB Footprint	Note
1	3	SVP2, 15VP2, FB	Red	Test Point, TH, Miniature, Red	Keystone	5000	Keystone5000	
2	8	5VP, 15VN, 15VP, GND, IGND, IGND2, Vin, Vpri	Double	Terminal, Turret, TH, Double	Keystone	1502-2	Keystone1502-2	
3	2	15VN2, SW	White	Test Point, Miniature, White, TH	Keystone	5002	Keystone5002	
4	2	C1, C8	0.01uF	CAP, CERM, 0.01uF, 50V, +/-10%, X7R, 0603	TDK	C1608X7R1H103K	0603	
5	1	C2	10uF	CAP, CERM, 10uF, 25V, +/-10%, X7R, 1206	MuRata	GRM31CR71E106KA12L	1206	
6	3	C3, C13, C14	22uF	CAP, CERM, 22uF, 16V, +/-20%, X7R, 1210	TDK	C3225X7R1C226M	1210	
7	1	C4	1uF	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	TDK	C1608X7R1E105K080AB	0603	
8	2	C5, C6	4.7uF	CAP, CERM, 4.7uF, 50V, +/-10%, X7R, 1206	MuRata	GRM31CR71H475KA12L	1206	
9	1	C7	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	TDK	C1608X7R1H104K	0603	
10	4	C9, C10, C11, C12	4.7uF	CAP, CERM, 4.7uF, 25V, +/-20%, X7R, 0805	TDK Corporation	CGA4J1X7R1E475M125AC	0805	
11	1	C15	1000pF	CAP, CERM, 1000pF, 1000V, +/-10%, X7R, 1210	Vishay-Vitramon	VJ1210Y102KXGAT5Z	1210	
12	1	Cac	1000pF	CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0603	TDK	C1608X7R1H102K	0603	
13	1	Cr	0.01uF	CAP, CERM, 0.01uF, 50V, +/-10%, X7R, 0603	MuRata	GRM188R71H103KA01D	0603	
14	2	D1, D2	100V	Diode, Schottky, 100V, 1A, SOD-123FL	ON Semiconductor	MBR1H100SFT3G	SOD-123FL	
15	1	D3		Diodes Inc. 3A TrenchSBR 40Vrrm 3A lo 0.49Vf 180lr	Diodes Incorporated	SBRT3U40P1-7	powerDI123	
16	4	GND2, GND3, IGND3, IGND4	Black	Test Point, TH, Miniature, Black	Keystone	5001	Keystone5001	
17	1	R1	13.7k	RES, 13.7k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060313K7FKEA	0603	
18	1	R2	150k	RES, 150k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603150KFKEA	0603	
19	1	R3	324k	RES, 324k ohm, 1%, 0.1W, 0603	Yageo America	RC0603FR-07324KL	0603	
20	2	R4, R5	2.05k	RES, 2.05k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06032K05FKEA	0603	
21	1	R6	1.00k	RES, 1.00k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06031K00FKEA	0603	
22	1	Rfbb	20.5k	RES, 20.5 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060320K5FKEA	0603	
23	1	Rfbt	57.6k	RES, 57.6 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060357K6FKEA	0603	
24	1	Rr	37.4k	RES, 37.4 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060337K4FKEA	0603	
25	1	T1	40uH	Transformer, 45uH, Isat 2.5A, EFD20, 12 pin, SMT, 6:4:11:11	Würth Elektronik	750315039	Würth_EFD20_12pin_SMT	
26	1	U1		Wide Input 65V, 1.5A Synchronous Step-Down DC-DC Converter, DNT0012B	Texas Instruments	LM5160DNT	DNT0012B	

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