

Bill of Materials

TI DESIGNS



PMP10743

Item	Qty	Reference	Part Description	Manufacturer	Manufacturer Part Number
1	1	Cb	CAP, CERM, 0.1 μ F, 25 V, +/- 10%, X7R, 0603	MuRata	GRM188R71E104KA01D
2	2	Cff1	CAP, CERM, 82 pF, 50 V, +/- 5%, C0G/NP0, 0603	AVX	06035A820JAT2A
3	1	Cff2	CAP, CERM, 16 pF, 50 V, +/- 5%, C0G/NP0, 0603	MuRata	GRM1885C1H160JA01D
4	2	Cin1	CAP, Polymer, 68 μ F, 50 V, +/- 20%, 0.02 ohm, F12, SMD, 2-Leads, Body 10.5x10.5mm, Height 12.7mm SMD	Panasonic	50SVPF68M
5	1	Cin2, Cin3	CAP, CERM, 4.7 μ F, 50 V, +/- 10%, X7R, 1210	MuRata	GRM32ER71H475KA88L
6	3	Cin4	CAP, CERM, 0.22 μ F, 50 V, +/- 10%, X7R, 0603	TDK	C1608X7R1H224K080AB
7	1	Cin5, Cin6, Cin7, Cin8, Cout5, Cout6	CAP, CERM, 10 μ F, 16 V, +/- 20%, X5R, 0603	Taiyo Yuden	EMK107BBJ106MA-T
8	1	Cout1, Cout2, Cout3	CAP, CERM, 100 μ F, 10 V, +/- 20%, X5R, 1206 190	TDK	C3216X5R1A107M160AC
9	3	Cout4	CAP, CERM, 1 μ F, 16 V, +/- 10%, X5R, 0603	MuRata	GRM188R61C105KA93D
10	3	Css	CAP, CERM, 0.01 μ F, 16 V, +/- 10%, X7R, 0603	MuRata	GRM188R71C103KA01D
11	3	D1	Diode, Schottky, 45 V, 10 A, PowerDI5	Diodes Inc.	PDS1045-13
12	4	FID1, FID2, FID3	Fiducial mark. There is nothing to buy or mount.	N/A	N/A
13	4	H1, H2, H3, H4	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	B&F Fastener Supply	NY PMS 440 0025 PH
14	1	H5, H6, H7, H8	Standoff, Hex, 0.5"L #4-40 Nylon	Keystone	1902C
15	1	J1, J2	Header, 100mil, 2x1, Tin, TH	Sullins Connector Solutions	PEC02SAAN
16	1	JVout_1.8, JVout_3.3, JVout_5, TP9	Standard Banana Jack, Insulated, Red	Keystone	6091
17	2	L1	Inductor, Shielded Drum Core, Superflux, 5.5 μ H, 10 A, 0.0112 ohm, SMD	Würth Elektronik	744325550
18	1	R1	RES, 432 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW0603432KFKEA
19	1	R2	RES, 86.6 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060386K6FKEA
20	1	R3	RES, 59.0 k, 1%, 0.125 W, 0805	Vishay-Dale	CRCW080559K0FKEA
21	1	Rfbb1	RES, 9.53 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW06039K53FKEA
22	1	Rfbb2, Rfbb1	RES, 53.6 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060353K6FKEA
23	1	Rfbb3	RES, 40.2 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060340K2FKEA
24	1	Rfbb2	RES, 237 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW0603237KFKEA
25	1	Rfbb3	RES, 80.6 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060380K6FKEA
26	1	TP1, TP3, TP5, TP7	Standard Banana Jack, Insulated, Black	Keystone	6092
27	5	TP2, TP4, TP6, TP8	Test Point, Compact, Black, TH	Keystone	5006
28	1	TP10, Vout=1.8V, Vout=3.3V, Vout=5V	Test Point, Compact, Red, TH	Keystone	5005
29	1	U1	LMR14050SDDAR, DDA0008E	Texas Instruments	LMR14050SDDAR
30	1	U2, U3	2A Buck Simple Switcher Nano Module, SIL0008F	Texas Instruments	LMZ20502SIL

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