

Assembly Bill of Materials

Texas Instruments

Project Name: PMP9045
Project File: PMP9045E2.PrjPCB
Base ID: PMP9045

Item	Designator	Description	Manufacturer	PartNumber	Quantity	Supplier 1	Supplier Part Number 1
1	PCB	Printed Circuit Board	Any	PMP9045	1		
2	C1, C2	CAP, AL, 6.8uF, 400V, +/-20%, TH	NIC Components	NRE-AX6R8M400V8X10.8F	2		
3	C3	CAP, CERM, 100pF, 500V, +/-5%, C0G/NP0, 1206	Kemet	C1206C101JCGACTU	1	Digi-Key	399-7073-2-ND
4	C4	CAP, CERM, 10uF, 16V, +/-10%, X5R, 1210	AVX	1210YD106KAT2A	1	Digi-Key	478-1629-1-ND
5	C6, C7	CAP, AL, 1000uF, 6.3V, +/-20%, 0.009 ohm, TH	Nichicon	RL80J102MDN1KX	2	Digi-Key	493-4024-1-ND
6	D1	Diode, Switching-Bridge, 600V, 1A, TH		MB6S	1	Mouser	512-MB6S
7	D2	Diode, TVS, Uni, 170V, 600W, SMB	ST Microelectronics	SMBJ170A-TR	1	Digi-Key	497-6511-1-ND
8	D3	Diode, Ultrafast, 400V, 1A, SMA	Diodes Inc.	RS1G-13-F	1	Digi-Key	RS1G-FDICT-ND
9	D4	Diode, Switching, 200V, 0.2A, SOD-123	Diodes Inc.	BAV21W-7-F	1	Digi-Key	BAV21W-FDICT-ND
10	D5	Diode, Schottky, 40V, 10A, PowerDI5	Diodes Inc.	PDS1040L-13	1	Digi-Key	PDS1040LDICT-ND
11	H1, H2, H3, H4	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	B&F Fastener Supply	NY PMS 440 0025 PH	4	Digi-Key	H542-ND
12	H5, H6, H7, H8	Standoff, Hex, 0.5"L #4-40 Nylon	Keystone	1902C	4	Digi-Key	1902CK-ND
13	J1	Connector, Receptacle, USB Type A, TH	Molex	67329-8020	1	Digi-Key	67329-8020
14	L1	Inductor, Shielded Drum Core, Metal Composite, 1mH, 0.5A, 1.7 ohm, TH	Würth Elektronik eiSos	768772102	1	Digi-Key	732-3261-ND
15	L2		Taiyo Yuden	CBC3225T100MR	1		
16	R1	RES, 10 ohm, 5%, 0.25W, TH	TT Electronics/IRC	SPP1UL3R30JLF	1		
17	R2, R3	RES, 6.8k ohm, 5%, 0.125W, 0805	Vishay-Dale	CRCW08056K80JNEA	2	Mouser	71-CRCW08056K80JNEA
18	R4	RES, 1.20k ohm, 0.1%, 0.1W, 0603	Susumu Co Ltd	RG1608P-122-B-T5	1	Digi-Key	RG16P1.2KBCT-ND
19	R5	RES, 100k ohm, 0.1%, 0.1W, 0603	Yageo America	RT0603BRD07100KL	1	Mouser	603-RT0603BRD07100KL
20	R6	RES, 1.50k ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW12061K50FKEA	1	Digi-Key	541-1.50KFCT-ND
21	R7	RES, 120 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW0603120RJNEA	1	Digi-Key	541-120GCT-ND
22	R8	RES, 100k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603100KFKEA	1	Digi-Key	541-100KHCT-ND
23	R9	RES, 30k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW060330K0JNEA	1	Digi-Key	541-30KGCT-ND
24	R10	RES, 1.00Meg ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06031M00FKEA	1	Digi-Key	541-1.00MHCT-ND
25	R11	RES, 6.81k ohm, 1%, 0.1W, 0603	Yageo America	RC0603FR-076K81L	1	Digi-Key	311-6.81KHRCT-ND
26	T1	5V 1.5A Flyback Transformer	Elytone	YT29295	1	Elytone	YT29295
27	U1	LOW STAND-BY POWER, CV / CC PWM HV SWITCHER WITH PRIMARY SIDE REGULATION	Texas Instruments	UCC28910D	1		

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