

Assembly Bill of Materials

Texas Instruments

Project Name:	10W UCC28720 5V 2A
Project File:	PMP9135_REV.PrjPcb
Base ID:	PMP9135
Schematic Rev:	E2
Assembly Variant:	-001
Build Quantity:	100
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Item	Designator	Description	RoHS	Manufacturer	PartNumber	Quantity	Required	Supplier 1	Supplier Part Number 1	Supplier 2	Supplier Part Number 2	Alternate Manufacturer	Alternate PartNumber
1	IPC1	Printed Circuit Board	O	Any	PMP9135	1	100						
2	C3	CAP, CERM, 10uF, 16V, +/-10%, X5R, 1210	Y	AVX	1210YD106KAT2A	1	100	Digi-Key	478-1629-1-ND	Mouser	581-1210YD106K		
3	C4	CAP, CERM, 100pF, 500V, +/-5%, C0G/NP0, 1206	Y	Kemet	C1206C101JCGACTU	1	100	Digi-Key	399-7073-2-ND	Mouser	80-C1206C101JCG		
4	C5	CAP, CERM, 1000pF, 300V, +/-20%, Y5U, Radial Disc 7.5mm, Is=7.5	Y	Vishay-Bccomponents	VY2102M29Y5UG63V7	1	100	Digi-Key	BC2752-ND	Mouser	72-VY2102M29Y5UG63V7		
5	C7, C8	CAP, [Technology], xxxF, xxV, +/-xx%, xxOhm ESR, [MountType]	RoHS Compliant	Nichicon	RNE0J122MDN1PX	2	200						
6	C9	CAP, CERM, 0.1uF, 50V, +/-5%, X7R, 0805	Y	AVX	08055C104JAT2A	1	100	Digi-Key	478-3352-1-ND	Mouser	581-08055C104J		
7	C10, C11	CAP, AL, 10uF, 400V, +/-20%, TH	Y	Nichicon	UVK2G4R7MPD	2	200	Digi-Key	UVK2G4R7MPD-ND	Mouser	647-UVK2G4R7MPD		
8	D1	Diode, Switching-Bridge, 600V, 1A, TH	Y		MB6S	1	100	Mouser	512-MB6S				
9	D2	Diode, Switching, 200V, 0.2A, SOD-123	Y	Diodes Inc.	BAV21W-7-F	1	100	Digi-Key	BAV21W-FDICT-ND	Mouser	621-BAV21W-F		
10	D3	Diode, TVS, Uni, 170V, 600W, SMB	Y	ST Microelectronics	SMBJ170A-TR	1	100	Digi-Key	497-6511-1-ND	Mouser	511-SMBJ170A-TR		
11	D4	Diode, [Type], xxxV, x.xxA, [PackageReference]	RoHS Compliant	Diodes Inc	DFLR1600-7	1	100						
12	D5	Diode, Schottky, 40V, 3.5A, DPAK	RoHS Compliant	Diodes Inc	PDS1040L-13	1	100						
13	H1, H2, H5, H6	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Y	B&F Fastener Supply	NY PMS 440 0025 PH	4	400	Digi-Key	H542-ND				
14	H3, H4, H7, H8	Standoff, Hex, 0.5"L #4-40 Nylon	Y	Keystone	1902C	4	400	Digi-Key	1902CK-ND				
15	J1	CONN USB 3.0 RCPT ST A R/A	RoHS Compliant	FCI	10117835-002LF	1	100						
16	L	Test Point, Compact, Red, TH	Y	Keystone	5005	1	100	Digi-Key	5005K-ND				
17	L1	Inductor, Wirewound, Ferrite, 1mH, 2.4A, 0.1 ohm, TH	RoHS Compliant	Würth Electronics Inc		1	100						
18	N	Test Point, Compact, Black, TH	Y	Keystone	5006	1	100	Digi-Key	5006K-ND				
19	Q1	Transistor, NPN, 400V, 1.5A, TO-92AP	RoHS Compliant	STMicroelectronics	2STL2580	1	100						
20	R1	RES 6.8 OHM 1W 5% AXIAL	RoHS Compliant	TT Electronics/IRC	SPP1UL6R80JLF	1	100						
21	R2	RES, 6.8k ohm, 5%, 0.125W, 0805	Y	Vishay-Dale	CRCW08056K80JNEA	1	100	Mouser	71-CRCW08056K80JNEA	Farnell	1537444		
22	R3	RES, 0 ohm, 5%, 0.125W, 0805	Y	Rohm	MCR10EZPJ000	1	100	Digi-Key	RHM0.0ARCT-ND				
23	R4	RES, 39k ohm, 5%, 0.1W, 0603	Y	Vishay-Dale	CRCW060339K0JNEA	1	100	Mouser	71-CRCW0603J-39K-E3	Farnell	1514761		
24	R5	RES, 1.50k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06031K50FKEA	1	100	Digi-Key	541-1.50KHCT-ND	Mouser	71-CRCW0603-1.5K-E3		
25	R6	RES, 2.20 ohm, 1%, 0.125W, 0805	Y	Panasonic	ERJ-6RQF2R2V	1	100	Digi-Key	P2.2DCT-ND	Mouser	667-ERJ-6RQF2R2V		
26	R7	RES, 100k ohm, 1%, 0.25W, 1206	Y	Yageo America	RC1206FR-07100KL	1	100	Digi-Key	311-100KFRCT-ND	Mouser	603-RC1206FR-07100KL		
27	R8	RES, 4.7 ohm, 5%, 0.125W, 0805	Y	Vishay-Dale	CRCW08054R70JNEA	1	100	Digi-Key	541-4.7ACT-ND	Mouser	71-CRCW08054R70JNEA		
28	R9	RES, 33 ohm, 5%, 0.1W, 0603	Y	Vishay-Dale	CRCW060333R0JNEA	1	100	Digi-Key	541-33GCT-ND	Mouser	71-CRCW0603J-33-E3		
29	R10	RES, 1.50k ohm, 1%, 0.25W, 1206	Y	Vishay-Dale	CRCW12061K50FKEA	1	100	Digi-Key	541-1.50KCT-ND	Mouser	71-CRCW1206-1.5K-E3		
30	R11	RES, 100k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW0603100KFKEA	1	100	Digi-Key	541-100KHCT-ND	Mouser	71-CRCW0603-100K-E3		
31	R12	RES, 27k ohm, 5%, 0.1W, 0603	Y	Yageo America	RC0603JR-0727KL	1	100	Digi-Key	311-27KGRCT-ND	Mouser	603-RC0603JR-0727KL		
32	R14	RES, 6.81k ohm, 1%, 0.1W, 0603	Y	Yageo America	RC0603FR-076K81L	1	100	Digi-Key	311-6.81KGRCT-ND	Mouser	603-RC0603FR-076K81L		
33	T1		Y		EFD20 10W	1	100						
34	U1	CONSTANT-VOLTAGE, CONSTANT-CURRENT CONTROLLER WITH PRIMARY SIDE REGULATION, D0007A	Y	Texas Instruments	UCC28720D	1	100					None	
35	C1, C2	CAP, [Technology], xxxF, xxV, +/-xx%, xxOhm ESR, [MountType]	RoHS Compliant	Nichicon	UVR2G100MHD	0	0						
36	C6	CAP, CERM, 2200pF, 50V, +/-10%, X7R, 0805	Y	AVX	08055C222KAT2A	0	0	Digi-Key	478-1375-1-ND	Mouser	581-08055C222K		
37	L2	Inductor, Wirewound, Ferrite, 10uH, 0.3A, 0.9 ohm, SMD	Y	TDK	CPL2512T100M	0	0	Digi-Key	445-4176-1-ND	Mouser	810-CPL2512T100M		
38	R13	RES, 180 ohm, 5%, 0.125W, 0805	Y	Vishay-Dale	CRCW0805180RJNEA	0	0	Digi-Key	541-180ACT-ND	Mouser	71-CRCW0805180RJNEA		

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