

Assembly Bill of Materials

Texas Instruments

Project Name:	Power Supply 4A
Project File:	PMP9332.PrjPcb
Base ID:	PMP9332
Schematic Rev:	E1
Assembly Variant:	None
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	Cbp	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0603	Y	MuRata	GRM188R71E104KA01D	1	100	Digi-Key	490-1524-1-ND	Mouser	81-GRM39X104K25		
2	Ccc	CAP, CERM, 0.22uF, 25V, +/-10%, X7R, 0603	Y	MuRata	GRM188R71E224KA88D	1	100	Digi-Key	490-3290-1-ND	Mouser	81-GRM188R71E224KA88		
3	Ccomp1	CAP, CERM, 0.082uF, 50V, +/-10%, X7R, 0603	Y	MuRata	GRM188R71H823KA93D	1	100	Mouser	81-GRM188R71H823KA93				
4	Ccomp2	CAP, CERM, 300pF, 50V, +/-5%, COG/NPO, 0603	Y	MuRata	GRM1885C1H301JA01D	1	100	Digi-Key	490-1438-1-ND	Mouser	81-GRM185C1H301JA01D		
5	Cin	CAP, AL, 100uF, 63V, +/-20%, 0.35 ohm, SMD	Y	Panasonic	EEE-FK1J101P	1	100	Digi-Key	PCE3819CT-ND	Mouser	667-EEE-FK1J101P		
6	Cout1, Cout2	CAP ALUM 390UF 25V 20% SMD	Y	Nichicon	PCV1E391MCL2GS	2	200	Digi-Key	493-4544-1-ND	Farnell	9189122		
7	Cramp	CAP, CERM, 100pF, 50V, +/-5%, COG/NPO, 0603	Y	MuRata	GRM1885C1H101JA01D	1	100	Digi-Key	490-1427-1-ND	Mouser	81-GRM39C101J50		
8	Csep	CAP, CERM, 4.7uF, 25V, +/-20%, X5R, 0805	Y	MuRata	GRM21BR61E475MA12L	1	100	Digi-Key	490-5422-1-ND	Mouser	81-GRM21BR61E475MA2L		
9	D1	Diode, Schottky, 45V, 16A, DDPAK	Y	Vishay-Semiconductor	MBRB1645PBF	1	100						
10	H1, H2, H3, H4	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				
11	H5, H6, H7, H8	Standoff, Hex, 0.5"L #4-40 Nylon	Y	Keystone	1902C	4	400	Digi-Key	1902CK-ND				
12	Lin	Inductor, Shielded E Core, Ferrite, 2.7uH, 13A, 0.00236 ohm, SMD	Y	Coilcraft	SER1360-272KLB	1	100						
13	Lout	INDUCTOR POWER 12UH 5.6A SMD	Y	Bourns	SRR1280-120M	1	100	Digi-Key	SRR1280-120MCT-ND	Mouser			
14	M1	MOSFET, N-CH, 60V, 50A, PG-TDSON-8	Y	Infineon Technologies	BSC100N06LS3 G	1	100	Digi-Key	BSC100N06LS3 GCT-ND	Mouser	726-BSC100N06LS3G	None	
15	Rbp	RES, 20.0 ohm, 1%, 0.063W, 0402	Y	Vishay-Dale	CRCW040220R0FKED	1	100	Digi-Key	541-20.0LCT-ND	Mouser	71-CRCW0402-20-E3		
16	Rcomp	RES, 2.26k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06032K28FKEA	1	100	Digi-Key	541-2.26KHCT-ND	Mouser	71-CRCW0603-2.26K-E3		
17	Rfadj	RES, 34.8k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060334K8FKEA	1	100	Digi-Key	541-34.8KHCT-ND	Mouser	71-CRCW0603-34.8K-E3		
18	Rfb1	RES, 10.0k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060310K0FKEA	1	100	Digi-Key	541-10.0KHCT-ND	Mouser	71-CRCW0603-10K-E3		
19	Rfb2	RES, 84.5k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060384K5FKEA	1	100	Digi-Key	541-84.5KHCT-ND	Mouser	71-CRCW0603-84.5K-E3		
20	Rramp	RES, 1.00k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06031K00FKEA	1	100	Digi-Key	541-1.00KHCT-ND	Mouser	71-CRCW0603-1.0K-E3		
21	Rsense	RES, 0.01 ohm, 1%, 3W, 2512	Y	Bourns	CRA2512-FZ-R010ELF	1	100	Digi-Key	CRA2512-FZ-R010ELFCT-ND	Mouser	652-CRA2512FZR010ELF		
22	Ruvlo1	RES, 40.2k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060340K2FKEA	1	100	Digi-Key	541-40.2KHCT-ND	Mouser	71-CRCW0603-40.2K-E3		
23	Ruvlo2	RES, 100k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW0603100KFKEA	1	100	Digi-Key	541-100KHCT-ND	Mouser	71-CRCW0603-100K-E3		
24	U1	IC, REG CTRLR, BST, FLYBK, CM, 10MSOP	Y	Texas Instruments	LM3481MM	1	100	Digi-Key	LM3481MM/NOBCT-ND				

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