

Assembly Bill of Materials

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Project Name:	LM5017 Capacitor Drop
Project File:	PMP9310.PrjPCB
Base ID:	PMP9304
Schematic Rev:	A
Assembly Variant:	001
Build Quantity:	1
Generated:	2/3/2014 9:57:13 AM

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	C1, C5	CAP, CERM, 10uF, 100V, +/-20%, X7S, 2220	Y	TDK	C5750X7S2A106M	1	1	Digi-Key	445-5212-1-ND				
2	C5	CAP, CERM, 22uF, 100V, +/-20%, X7S, 2220	Y	TDK	CKG57NX7S2A226M500JH	1	1	Digi-Key					
3	C4	CAP, CERM, 2700pF, 25V, +/-10%, X7R, 0603	Y	MuRata	GRM188R71E272KA01D	1	1	Digi-Key	GRM188R71E272KA01D-ND	Mouser	81-GRM188R71E272KA1D		
4	C6	CAP, CERM, 4.7uF, 6.3V, +/-10%, X5R, 0603	Y	Kemet	C0603C475K9PACTU	1	1	Digi-Key	399-3482-1-ND	Mouser	80-C0603C475K9P		
5	C7	CAP, Film, 0.39uF, 630V, +/-10%, TH	Y	EPCOS Inc	B32923C3394K	1	1	Farnell					
6	C8	CAP, AL, 220uF, 100V, +/-20%, 0.16 ohm, SMD	Y	Nippon Chemi-Con	EMVH101GDA221MMN0S	1	1	Digi-Key	565-2345-1-ND	Mouser	661-MVH100M221M		
7	C9, Cvcc	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	Y	MuRata	GRM188R71C105KA12D	2	2	Digi-Key	490-3900-1-ND	Mouser	81-GRM188R71C105KA12		
8	C10	CAP, CERM, 1uF, 25V, +/-10%, X5R, 0603	Y	MuRata	GRM188R61E105KA12D	1	1	Digi-Key	490-3897-1-ND	Mouser	81-GRM188R61E105KA12		
9	Cbt	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	Y	AVX	06035C104KAT2A	1	1	Digi-Key	478-5052-1-ND	Mouser	581-06035C104KAT2A		
10	D1	Diode, P-N, 1000V, 1A, SOD-123	Y	Comchip Technology	CGRM4007-G	1	1	Digi-Key	641-1330-1-ND	Mouser	750-CGRM4007-G		
11	D2	Diode, Zener, 7.5V, 500mW, SOD-123	Y	ON Semiconductor	MMSZ4693T1G	1	1	Digi-Key					
	D4	Diode, Zener, 62V, 500mW, SOD-123	Y	ON Semiconductor	MMSZ5265BT1G	1	1	Digi-Key					
13	D3	Diode, Zener, 10V, 550mW, SOD-123	Y	ON Semiconductor	1SMB5925BT3G	1	1	Mouser	863-1SMB5925BT3G	Farnell	1431168		
14	D5	Diode, Schottky, 60V, 1A, SOD-123F	Y	IXYS Semiconductor	PMEG0100CEH,115	1	1	Digi-Key	568-4104-1-ND	Farnell	1510694		
15	D6	Diode, Zener, 62V, 550mW, SOD-123	Y	ON Semiconductor	1SMB5944BT3G	1	1	Mouser	863-1SMB5944BT3G	Newark	71J9222		
16	EN, SW	Test Point, Miniature, White, TH	Y	Keystone	5002	2	2	Digi-Key	5002K-ND	Newark	82H9632		
17	FID1, FID2, FID3	Fiducial mark. There is nothing to buy or mount.		N/A	N/A	3	3						
18	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	4	Digi-Key	H542-ND				
19	H5, H6, H7, H8	Standoff, Hex, 0.5"L #4-40 Nylon	Y	Keystone	1902C	4	4	Digi-Key	1902CK-ND				
20	L1	Inductor, Shielded Drum Core, Ferrite, 270uH, 1.2A, 0.42 ohm, SMD	Y	Coilcraft	MSS1278-274KLB	1	1						
21	LBL1	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	Y	Brady	THT-14-423-10	1	1	Farnell	2065596	Newark	97C5133		
22	R1, R2, R4	RES, 200 ohm, 1%, 0.25W, 1206	Y	Yageo America	RC1206FR-07200RL	3	3	Digi-Key	311-100FRCT-ND	Mouser	603-RC1206FR-07100RL		
23	R5	RES, 30.9k ohm, 1%, 0.1W, 0603	Y	Yageo America	RC0603FR-0730K9L	1	1	Digi-Key	311-30.9KHRCT-ND	Mouser	603-RC0603FR-0730K9L		
24	R6	RES, 200k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW0603200KFKEA	1	1	Digi-Key	541-200KHCT-ND	Mouser	71-CRCW0603-200K-E3		
25	R7, R8	RES, 1.00 ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06031R00FKEA	2	2	Mouser	71-CRCW06031R00FKEA	Farnell	1616871		
26	R9	RES, 50.5k ohm, 0.1%, 0.1W, 0603	Y	Yageo America	RT0603BRD0750KSL	1	1						
27	RB	RES, 6.04k ohm, 0.1%, 0.1W, 0603	Y	Vishay-Dale	CRCW0603604FKEA	1	1	Digi-Key	541-6.04KHCT-ND	Mouser	71-CRCW0603-6.04K-E3		
28	RON	RES, 328k ohm, 0.5%, 0.1W, 0603	Y	Yageo America	RT0603DRE07328KL	1	1						
29	RT	RES, 10.0k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060310K0FKEA	1	1	Digi-Key	541-10.0KHCT-ND	Mouser	71-CRCW0603-10K-E3		
30	TP3, TP4	Test Point, Multipurpose, Black, TH	Y	Keystone	5011	2	2	Digi-Key	5011K-ND				
31	U1	Dual 5A Compound Gate Driver with Negative Output Voltage Capability, 8-pin Narrow SOIC	Y	National Semiconductor	LM5110-1MX	1	1						
32	VI+, VI-, VO+, VO-	Terminal, Turret, TH, Double	Y	Keystone	1502-2	4	4	Digi-Key	1502-2K-ND				
33	VIN	Test Point, Miniature, Red, TH	Y	Keystone	5000	1	1	Digi-Key	5000K-ND				

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