

# PMP6010

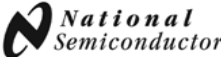
*PMP6010 BOM*



Literature Number:SLUr875

Assembly Bill of Materials

Document P/N: 980MRSSL60W-100A--400A



Project Name:	SSL60W
Project File:	MRSSL60W-Pcb004_RevA-Sch400_RevA.PrjPCB
Base ID:	MRSSL60W
PCB Revision:	-004A
Assembly Variant:	-100A
Schematic Rev:	-400A
Build Quantity:	100
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PCB Part Number:	551MRSSL60W-004A
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Item	Designator	Description	RoHS	Manufacturer	PartNumber	Quantity	Required	DigikeyPartNumber	Supplier 1	Supplier Part Number 1	Alternate Manufacturer	Alternate PartNumber
1	AA1, C23	DNP, Printed Circuit Board	O, Y	AVX, TBD		2	200		Newark			
2	C1	CAP .47UF 400V METAL POLYPRO	Y	EPCOS Inc	B32652A4474J	1	100	495-1315-ND				
3	C2, C3	CAP .10UF 305VAC EMI SUPPRESSION	Y		B32921C3104M	2	200	495-2318-ND				
4	C4, C14, C21	CAP, CERM, 0.1uF, 16V, +/-5%, X7R, 0603	Y	AVX	0603YC104JAT2A	3	300	478-3726-1-ND				
5	C5	CAP CER 10000PF 10% 500V X7R1206	Y	AVX	12067C103KAT2A	1	100	478-3806-1-ND				
6	C6, C7, C8	CAP ALUM 330UF 63V 20% RADIAL	Y	Nichicon	UVR1J331MPD	3	300	493-1126-ND				
7	C9	CAP CER 3300PF 500VAC X1/Y1 RAD	Y	Vishay	VY1332M59Y5UQ63V0	1	100	BC2377-ND				
8	C10	CAP CER 2.2UF 100V X7R 1210	Y	TDK	C3225X7R2A225K	1	100	445-4497-1-ND				
9	C11	CAP CER 2.2UF 50V X7R 10% 0805	Y	TDK	C2012X7R1H225K	1	100	445-5968-1-ND				
10	C12, C15	CAP ALUM 22UF 50V 20% RADIAL	Y	Nichicon	UVR1H220MDD	2	200	493-1104-ND				
11	C13	CAP, CERM, 1uF, 10V, +/-10%, X7R, 0805	Y	Kemet	C0805C105K8RACTU	1	100	399-1172-1-ND	Newark	64K2894		
12	C16	CAP, CERM, 2200pF, 50V, +/-10%, X7R, 0805	Y	AVX	08055C222KAT2A	1	100	478-1375-1-ND	Newark	19C6333		
13	C17	DNP	Y	AVX	DNP	1	100					
14	C18	CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0805	Y	Kemet	C0805C102K5RACTU	1	100	399-1147-1-ND	Newark	64K2881		
15	C19, C20	CAP, CERM, 0.47uF, 50V, +/-10%, X7R, 1206	Y	TDK	C3216X7R1H474K	2	200	445-1380-1-ND				
16	C22	CAP CER 10UF 25V X5R 1206	Y	MuRata	GRM31CR61E106KA12L	1	100	490-3373-1-ND				
17	D1, D2, D3, D4	RECTIFIER SIL 2A 1000V DO-214AA	Y	Micro Commercial	S2M-TP	4	400	S2M-TPMSCT-ND				
18	D5, D6	DIODE SIL 1A 1000V POWERLITE123	Y	Micro Commercial	SM400PL	2	200	SM4007PL-TPMSCT-ND		48K7498		
19	D7	DIODE SCHOTTKY 5A 100V DPAK	N	Vishay	STPS5H100B-TR	1	100	497-6587-1-ND				
20	D8	DIODE FAST 800V 1A SMA	Y	Micro Commercial	US1K-TP	1	100	US1K-TPMSCT-ND				
21	D9	Diode, Schottky, 20V, 0.5A, SOD-123	Y	ON Semiconductor	MBR0520LT1G	1	100	MBR0520LT1GOSCT-ND	Newark	48K7498		
22	D10	Diode, Schottky, 100V, 1.5A, SMA	Y	International Rectifier	10MQ100NTRPBF	1	100	VS-10MQ100NPBFCT-ND	Newark	63J8000		
23	D11	Diode, Zener, 15V, 500mW, SOD-123	Y	Diodes Inc.	MMSZ5245B-7-F	1	100	MMSZ5245B-FDICT-ND				
24	D12	Diode, Zener, 12V, 500mW, SOD-123	Y	Diodes Inc.	MMSZ5242B-7-F	1	100	MMSZ5242B-FDICT-ND				
25	D13	DIODE ZENER 3W 56V SMA	Y	Micro Commercial Co	3SMAJ5943B-TP	1	100	3SMAJ5943B-TPMSCT-ND				
26	D14	Diode, Schottky, 30V, 0.2A, SOT-23	Y	Diodes Inc.	BAT54-7-F	1	100	BAT54-FDICT-ND				
27	F1	FUSE SLOW 250VAC 2A RADIAL	Y	Belfuse	RST 2	1	100	507-1179-ND				
28	J1, J2, J3, J5, J6, J7	18 GA WIRE HOLE	NA	NA	NA	6	600					
29	L1	INDUCTOR 680UH 1A RADIAL	Y	TDK Corporation	SL1720-681K1R0-PF	1	100	445-3760-1-ND				
30	L3	CHOKE RFI SUPP 3.9MH 1A VERT	Y	Schaffner EMC	EV20-1.0-02-3M9	1	100	817-1033-ND				
31	MOV1	VARISTOR 175V C-III 20MM RADIAL	Y	Littelfuse	V175LS20CP	1	100	F3762-ND				
32	Q1, Q2	Transistor, NPN, 40V, 0.2A, SOT-23	Y	Diodes Inc.	MMBT3904-7-F	2	200	MMBT3904-FDICT-ND				
33	Q3	Transistor, PNP, 40V, 0.2A, SOT-23	Y	Diodes Inc.	MMBT3906-7-F	1	100	MMBT3906-FDICT-ND				
34	Q4	MOSFET N-CH 600V 8A TO220	Y	STmicroelectronics	STP10NM60N	1	100	497-9098-5-ND				
35	R1, R4	RES, 124k ohm, 1%, 0.25W, 1206	Y	Vishay-Dale	CRCW1206124KFKEA	2	200	541-124KFCT-ND	Newark	53K1962		
36	R2	RES 22K OHM 1W 5% 2512 SMD	Y	Vishay-Dale	CRCW251222K0JNEG	1	100	541-22KXCT-ND				
37	R3, R6	RES, 100 ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06031M50FKEA	2	200	541-1.50MHCT-ND				
38	R5	RES 47 OHM 1W 5% 2512 SMD	Y	Vishay-Dale	CRCW251247R0JNEG	1	100	541-47XCT-ND				
39	R7	RES, 47 ohm, 5%, 0.25W, 1206	Y	Vishay-Dale	CRCW120647R0JNEA	1	100	541-47ECT-ND	Newark	59M6997		
40	R8, R35, R36	RES, 100k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW0603100KFKEA	3	300	541-100KHCT-ND	Newark	42K3668		
41	R9	RES, 22 ohm, 5%, 0.25W, 1206	Y	Vishay-Dale	CRCW120622R0JNEA	1	100	541-22ECT-ND	Newark	59M6968		

42	R10, R13, R21, R23	RES, 10.0k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060310K0FKEA	4	400	541-10.0KHCT-ND	Newark	52K8062		
43	R11	RES, 51.1 ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060351R1FKEA	1	100	541-51.1HCT-ND	Newark	52K8594		
44	R12, R20, R34	RES, 33k ohm, 5%, 0.1W, 0603	Y	Vishay-Dale	CRCW060333K0JNEA	3	300	541-33KGCT-ND	Newark	59M6802		
45	R14	RES, 2.21k ohm, 1%, 0.25W, 1206	Y	Vishay-Dale	CRCW12062K21FKEA	1	100	541-2.21KFCT-ND	Newark	53K2061		
46	R15, R27, R31, R37	RES, 15.0k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060315K0FKEA	4	400	541-15.0KHCT-ND	Newark	52K8151		
47	R16, R22	RES, 10.0 ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060310R0FKEA	2	200	541-10.0HCT-ND	Newark	52K8073		
48	R17, R18, R19, R28	RES, 1.00 ohm, 1%, 0.25W, 1206	Y	Vishay-Dale	CRCW12061R00FNEA	4	400	541-1.00FCT-ND	Newark	51P0485		
49	R24, R30	RES, 1.00k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06031K00FKEA	2	200	541-1.00KHCT-ND	Newark	52K8015		
50	R25	RES, 100 ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW0603100RFKEA	1	100	541-100HCT-ND	Newark	52K8078		
51	R26	RES, 330 ohm, 5%, 0.1W, 0603	Y	Vishay-Dale	CRCW0603330RJNEA	1	100	541-330GCT-ND	Newark	59M6805		
52	R29, R32, R33	RES .47 OHM 1/4W 5% 1206 SMD	Y	Vishay-Dale	RCWL1206R470JNEA	3	300	RCWL.47HCT-ND				
53	T1	XFMR 3MSSL60W 750312593	Y	Wurth_Midcom	750312593	1	100					
54	U1, U2, U3	IC LED DRIVER LM3466	Y		LM3466	3	300					
55	U4	OPTOCPL PHOTOTRANS 1CH 600% 4SOP	Y	Vishay	TCMT1100	1	100	TCMT1100-ND				
56	U5	IC LED DRIVER LINEAR 8-SOIC	Y		UCC28810DR	1	100	296-23905-1-ND				
57	U6	Micropower, RRIO, CMOS Dual Op Amp	Y	Texas Instruments	TL103WIDR	1	100	296-18862-1-ND				

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