

# PMP7759

*PMP7759 BOM*



Literature Number:SNVR018

# Engineering Bill of Materials

Project Name:	30W LED Power Supply
Project File:	NSC1030.PrjPCB
Base ID:	xxxxxx
PCB Revision:	
Assembly Variant:	-100A
Schematic Rev:	1
Build Quantity:	
Generated:	9/23/2009 11:52:12 AM



Date opened: 10/16/2009  
Time opened: 11:34:11 AM

PCB Part Number: 551xxxxx

Item	Designator	CompType	Value	PackageReference	Description	Manufacturer	PartNumber
1	BR1	Bridge Diode	5A	SMDIP	Bridge Diode, 40V, 5A	Central Semiconductor	CBRSDSH5-40
2	C100	Capacitor	4.7uF	1210	Ceramic, X7R, 50V, 10%	MuRata	GRM32ER71H475KA88L
3	C101	Capacitor	4.7uF	1210	Ceramic, X7R, 50V, 10%	MuRata	GRM32ER71H475KA88L
4	C102	Capacitor	4.7uF	1210	Ceramic, X7R, 50V, 10%	MuRata	GRM32ER71H475KA88L
5	C103	Capacitor	4.7uF	1210	Ceramic, X7R, 50V, 10%	MuRata	GRM32ER71H475KA88L
6	C104	Capacitor	0.1uF	0805	Ceramic, X7R, 50V, 20%	Kemet	C0805C104M5RACTU
7	C105	Capacitor	1uF	0805	Ceramic, X7R, 16V, 10%	MuRata	GRM21BR71C105KA01L
8	C106	Capacitor	0.47uF	0805	Ceramic, X7R, 16V, 10%	TDK	C2012X7R1C474K
9	C108	Capacitor	2.2uF	0805	Ceramic, X5R, 16V, 10%	MuRata	GRM219R61C225KA88D
10	C109	Capacitor	0.22uF	0805	Ceramic, X7R, 25V, 10%	TDK	C2012X7R1E224K
11	C110	Capacitor	22uF	1210	Ceramic, X5R, 25V, 10%	MuRata	GRM32ER61E226KE15L
12	C111	Capacitor	22uF	1210	Ceramic, X5R, 25V, 10%	MuRata	GRM32ER61E226KE15L
13	C112	Capacitor	0.47uF	0805	Ceramic, X7R, 16V, 10%	TDK	C2012X7R1C474K
14	C113	Capacitor	1uF	0805	Ceramic, X7R, 16V, 10%	MuRata	GRM21BR71C105KA01L
14	C114	Capacitor	470uF	10mmx20mm	AL Electrolytic, 50V, 20%	Panasonic	ECA-1HM471
16	D100	Diode	100V	DPAK	Vr = 100V, Io = 12A, Vf = 0.95V	Vishay	12CWQ10FNPBF
17	L100	Inductor	10uH	SER1360	Shielded E Core, 7.2A, 0.00983 Ohm	Coilcraft Inc.	SER1360-103KLB
18	Q100	MOSFET	60V	DPAK	N-Channel MOSFET	Vishay	SUD23N06-31
19	R100	Resistor	10.0	0805	1%, 0.125W	Vishay-Dale	CRCW080510R0FKEA
20	R101	Resistor	13.0k	0805	1%, 0.125W	Vishay-Dale	CRCW080513k0FKEA
21	R102	Resistor	14.3k	0805	1%, 0.125W	Vishay-Dale	CRCW080514k3FKEA
22	R103	Resistor	1.00k	0805	1%, 0.125W	Vishay-Dale	CRCW08051k00FKEA
23	R104	Resistor	1.00k	0805	1%, 0.125W	Vishay-Dale	CRCW08051k00FKEA
24	R105	Resistor	1.00k	0805	1%, 0.125W	Vishay-Dale	CRCW08051k00FKEA
25	R106	Resistor	10.0	0805	1%, 0.125W	Vishay-Dale	CRCW080510R0FKEA
26	R107	Resistor	0.05	2512	1%, 1W	Vishay-Dale	WSL2512R0600FEA
27	R108	Resistor	0.025	2512	1%, 1W	Vishay-Dale	WSL2512R0600FEA

Item	Designator	CompType	Value	PackageReference	Description	Manufacturer	PartNumber
28	R109	Resistor	10.0k	0805	1%, 0.125W	Vishay-Dale	CRCW080510k0FKEA
29	R110	Resistor	49.9k	0805	1%, 0.125W	Vishay-Dale	CRCW080549k9FKEA
30	R111	Resistor	32.4k	0805	1%, 0.125W	Vishay-Dale	CRCW080532k4FKEA
31	R112	Resistor	49.9k	0805	1%, 0.125W	Vishay-Dale	CRCW080549k9FKEA
32	R113	Resistor	10.0k	0805	1%, 0.125W	Vishay-Dale	CRCW080510k0FKEA
33	R114	Resistor	2.61k	0805	1%, 0.125W	Vishay-Dale	CRCW08052k61FKEA
34	U100	PWM IC		TSSOP EP		National Semiconductor	LM3424MH

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