

PMP7761

PMP7761 BOM



Literature Number:SNVR022

NSC1018 LM3409 24Vin to 14V@6A buck LED driver
8/21/2009

Designator	Value	Manufacturer Part #	Footprint	Description	Manufacturer
C1	10uF	C5750X7R1H106M	2220	Ceramic, X7R, 50V, 20%	TDK
C2	10uF	C5750X7R1H106M	2220	Ceramic, X7R, 50V, 20%	TDK
C3	1uF	GRM219R61A105MA01D	0805	Ceramic, X5R, 10V, 20%	MuRata
C4	1uF	GRM219R61A105MA01D	0805	Ceramic, X5R, 10V, 20%	MuRata
C5	470pF	VJ0805Y471KXACW1BC	0805	Ceramic, X7R, 50V, 10%	Vishay-Bccomponents
C6	22uF,25V	C3225X5R1E226	2220	Ceramic, X7R, 50V, 20%	TDK
C7	1uF	GRM219R61A105MA01D	0805	Ceramic, X5R, 10V, 20%	MuRata
C8	390pF	08055A391JAT2A	0805	Ceramic, C0G/NP0, 50V, 5%	AVX
D1		12CWQ04FNPBF	DPAK	Vr = 40V, Io = 12A, Vf = 0.68V	Vishay-Semiconductor
D4	0.65V	BAT54-7-F	SOT-23	Vr = 30V, Io = 0.2A, Vf = 0.65V	Diodes Inc.
L1	15uH	PB2020_153NL	PB2020	Shielded Drum Core, 1.7A, 0.066 Ohm	Pulse Engineering
Q1	SI4431BDY	SI4431BDY	SOIC-8	P-channel MOSFET	Vishay
Q2	SI4431BDY	SI4431BDY	SOIC-8	P-channel MOSFET	Vishay
Q3	SI4431BDY	SI4431BDY	SOIC-8	P-channel MOSFET	Vishay
R2	150k	CRCW0805150kFKEA	0805	1%, 0.125W	Vishay-Dale
R1	10.0k	CRCW080510k0FKEA	0805	1%, 0.125W	Vishay-Dale
R5	30.1k	CRCW080530k1FKEA	0805	1%, 0.125W	Vishay-Dale
R8	10.0k	CRCW080510k0FKEA	0805	1%, 0.125W	Vishay-Dale
R9	1.00k	CRCW08051k00FKEA	0805	1%, 0.125W	Vishay-Dale
R10	3.83	CRCW08053R83FNEA	0805	1%, 0.125W	Vishay-Dale
R11	249k	CRCW0805249kFKEA	0805	1%, 0.125W	Vishay-Dale
T11		PA1005100NL	p8208	Pulse current sense transformer SMT	Pulse Engineering
U1		LM3409	MSOP-10	Constant current PFET LED driver	National

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