

Bill of Materials

TI DESIGNS
PMP9300_Power

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer
C16, C19	5	10µF	0805	0805	CGA4J1X7R0J106K125AC	TDK Corporation
C3	1	0.1uF	CAP, CERM, 0.1uF, 6.3V, +/-10%, X7R, 0402	0402	GRM155R70J104KA01D	MuRata
C4, Cb	2	0.1uF	CAP, CERM, 0.1uF, 16V, +/-10%, X7R, 0402	0402	GRM155R71C104KA88D	MuRata
C6, C14	2	1.0µF	CAP CER 1UF 50V 10% X7R 0805	0805	C2012X7R1H105K125AB	TDK Corporation
C7	1	10uF	CAP, CERM, 10uF, 50V, +/-10%, X7R, 1210	1210	GRM32ER71H106KA12L	MuRata
C9, C20	2	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603	06035C104KAT2A	AVX
C10	1	2.2uF	CAP, CERM, 2.2uF, 10V, +/-10%, X7R, 0603	0603	GRM188R71A225KE15D	MuRata
C11	1	4.7uF	CAP CER 4.7UF 6.3V 10% X7R 0805	0805	C2012X7R0J475K085AB	TDK Corporation
C12	1	0.022uF	CAP, CERM, 0.022uF, 16V, +/-10%, X7R, 0402	0402	C1005X7R1C223K	TDK
C17	1	1uF	CAP, CERM, 1uF, 6.3V, +/-10%, X7R, 0603	0603	GRM188R70J105KA01D	MuRata
C18	1	0.1uF	CAP, CERM, 0.1uF, 10V, +/-10%, X7R, 0402	0402	GRM155R71A104KA01D	MuRata
CA	1	1000pF	CAP, CERM, 1000pF, 100V, +/-10%, X7R, 0402	0402	GRM155R72A102KA01D	MuRata
ComC1	1		CHOKO COMM MODE 360 OHM .22A SMD	0805 (2012 Metric), 4 Lead	ACM2012-361-2P-T002	TDK Corporation
D1	1	500mV @ 1A	Diode, Schottky, 100V, 1A, PowerDI123	2-SMD, Flat Lead	DFLS160-7	Diodes Inc
J1, J2, J3	3		Header, 2mm, 2x1, Tin, TH	Header, 2mm, 2x1	TMM-102-01-T-S	Samtec
J4	1		Header, 2mm, 3x1, Tin, TH	Header, 2mm, 3x1	TMM-103-01-T-S	Samtec
L2	1	10uH	INDUCTOR POWER 10UH .76A SMD	0.118 X 0.118 inch	VLS3012T Series	TDK
L3	1	4.7uH	INDUCTOR 4.7UH 200MA 20% SMD	0805	LBR2012T4R7M	Taiyo Yuden
L4	1	2.2uH	Inductor, Shielded, Ferrite, 2.2uH, 0.8A, 0.23ohm, SMD	0805	LQM21PN2R2NGC	MuRata
R2	1	36.5k	RES 36.5K OHM 1/20W 1% 0201 SMD	0201	CRCW020136K5FKED	Vishay Dale
R3, R7	2	5.1	SMD	0201	ERJ-1GEJ5R1C	Panasonic Electronic Components

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R4, R5	2	1	SMD	0201	ERJ-1GEJ1R0C	Panasonic Electronic Components
R6	1	10	SMD	0201	CRCW020110R0FNED	Vishay Dale
RA	1	10k	0201 SMD	0201	CRCW020110K0FKED	Vishay Dale
Rf1	1	8.06k	0201 SMD	0201	ERJ-1GEF8061C	Panasonic Electronic Components
Rf2	1	49.9k	0201 SMD	0201	CRCW020149K9FKED	Vishay Dale
U2	1		Constant On-Time Buck	SDA12B	LM34919C	Texas Instruments
U3	1		2.05 to 6 V Input and 1.8 V	DRY0006A	TPS62231DRYR	Texas Instruments

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