

Bill of Materials

Ref Designator	QTY	Value	Description	Part Number	Manufacturer
BR1	1	400V	RECT BRIDGE GP 400V 0.5A MINIDI	RH04-T	DIODES INC (VA)
C1, C2, C3, C8, C9, C10, C11	7	0.22uF	CAP CER 0.22UF 630V 20% X7T 1812	CGA8M1X7T2J224M200KC	TDK CORPORATION
C6, C7	2	470uF	CAP ALUM 470UF 63V 20% SMD	EEV-FK1J471M	PANASONIC
C12	1	0.1uF	CAP CER 10000PF 16V 10% X7R 0603	GRM188R71C103KA01D	MURATA ELECTRONICS (VA)
C13	1	0.22uF	CAP CER 0.22UF 25V 10% X7R 0603	GRM188R71E224KA88D	MURATA ELECTRONICS (VA)
C14	1	330pF	CAP CER 330PF 50V 10% X7R 0603	GRM188R71H331KA01D	MURATA ELECTRONICS (VA)
C15	1	33nF	CAP CER 0.033UF 25V 20% X7R 0603	C1608X7R1E333M	TDK CORPORATION (VA)
C16	1	1uF	CAP CER 1UF 25V X7R 10% 0603	GRM188R71E105KA12D	MURATA ELECTRONICS (VA)
D1	1	400V	DIODE ULT FAST 400V 3A SMC	STTH3R04S	STMICROELECTRONICS
D2	1	15V	DIODE ZENER 15V 500MW SOD123	MMSZ4702T1G	ON SEMICONDUCTOR (VA)
D19	1	4.7V	DIODE ZENER 4.7V 500MW SOD123	BZT52C4V7-13-F	DIODES INC
D20	1	62V	DIODE ZENER 62V 225MW SOT23-3	BZX84C62LT1G	ON SEMICONDUCTOR (VA)
D21	1	70V	DIODE ARRAY 70V 250MA SOT23	BAW56-V-GS08	VISHAY
F1	1	1A	FUSE 1A 125V 6125 FAST SSQ	SSQ 1	BEL FUSE INC
L1, L2	2	1mH	INDUCTOR 1MH 500MA SMD	SRR1208-102KL	BOURNS INC
L3	1	270uH	INDUCTOR POWER 270UH 1.6A SMD	7447709271	WURTH ELECTRONICS INC
Q1, Q4	2	300V	TRANSISTOR, PNP, 300V, 0.2A, SOT-23	MMBTA92	FAIRCHILD
Q2	1	250V	MOSFET N-CH 250V 790MA SOT223	IRFL214TRPBF	VISHAY SILICONIX
Q3	1	250V	MOSFET N-CH 250V 4.4A DPAK	FDD6N25TM	FAIRCHILD
Q5	1	60V	MOSFET N-CH 60V 260MA SOT-23	2N7002ET1G	ON SEMICONDUCTOR (VA)
R1	1	49.9k	RES 49.9K OHM 1/10W 1% 0603 SMD	CRCW060349K9FKEA	VISHAY DALE
R2	1	825	RES 825 OHM 1/10W 1% 0603 SMD	CRCW0603825RFKEA	VISHAY DALE
R3	1	402k	RES 402K OHM 1/4W 1% 1206 SMD	CRCW1206402KFKEA	VISHAY DALE
R4, R5	2	220	RES 220 OHM 1W 5% 2512 SMD	CRCW2512220RJNEG	VISHAY DALE
R6	1	332k	RES 332K OHM 1/4W 1% 1206 SMD	CRCW1206332KFKEA	VISHAY DALE
R7	1	33.2k	RES 33.2K OHM 1/10W 1% 0603 SMD	CRCW0603332KFKEA	VISHAY DALE
R8	1	4.99	RES 4.99 OHM 1/10W 1% 0603 SMD	CRCW06034R99FKEA	VISHAY DALE
R9, R10	2	100k	RES 100K OHM 1/10W 1% 0603 SMD	CRCW0603100KFKEA	VISHAY DALE
R11	1	1k	RES 1.00K OHM 1/8W 1% 0805 SMD	CRCW08051K00FKEA	VISHAY DALE
R12	1	332k	RES 332K OHM 1/10W 1% 0603 SMD	CRCW0603332KFKEA	VISHAY DALE
R13	1	1k	RES 1.00K OHM 1/10W 1% 0603 SMD	CRCW06031K00FKEA	VISHAY DALE
R14, R15	2	0.24	RES 0.24 OHM 1/2W 1% 1210 SMD	MCR25JZHFLR240	ROHM
R16	1	15k	RES 15.0K OHM 1/10W 1% 0603 SMD	CRCW060315K0FKEA	VISHAY DALE
U1	1		Non-Isolated, Buck PFC LED Driver with Digital Ref Controller	TPS92074DDCRNOPB	TEXAS INSTRUMENTS

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