

## TIDA-00940 Bill of Material



Designator	Description	Manufacturer	PartNumber	Quantity
C1, C2	CAP, CERM, 0.1 $\mu$ F, 50 V, +/- 10%, X7R, 0603	TDK	C1608X7R1H104K080AA	2
C3, C10, C12, C13	CAP, CERM, 0.01 $\mu$ F, 50 V, +/- 10%, X7R, 0603	TDK	C1608X7R1H103K	4
C4	CAP, CERM, 0.015 $\mu$ F, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	TDK	C1608X7R1H153K080AA	1
C5	CAP, CERM, 2200 pF, 100 V, +/- 5%, X7R, 0603	AVX	06031C222JAT2A	1
C6, C7	CAP, AL, 10 $\mu$ F, 400 V, +/- 20%, ohm, TH	Nichicon	UCY2G100MPD1TD	2
C8	CAP, CERM, 100 pF, 50 V, +/- 1%, C0G/NP0, 0603	AVX	06035A101FAT2A	1
C9	CAP, AL, 10 $\mu$ F, 35 V, +/- 20%, TH	Nichicon	UPW1A471MPD	1
C11	CAP, AL, 330 $\mu$ F, 25 V, +/- 20%, TH	Nichicon	UPW1E331MPD	1
D1, D2, D6	Diode, P-N, 1000 V, 1 A, TH	Fairchild Semiconductor	1N4007	3
D3	Diode, Schottky, 40 V, 2 A, SMB	Diodes Inc.	B240-13-F	1
D4	Diode, Zener, 18 V, 500 mW, SOD-123	ON Semiconductor	MMSZ4705T1G	1
D5	Diode, Ultrafast, 1000 V, 1 A, SMA	Diodes Inc.	US1M-13-F	1
F1	Fuse, 0.5 A, 250VAC/VDC, TH	Bel Fuse	RST 500	1
J1	Conn Term Block, 2POS, 5.08mm, TH	Phoenix Contact	1715721	1
J6	Header, 2.54 mm, 3x1, Gold, TH	Würth Elektronik	61300311121	1
L1	Inductor, Wirewound, Ferrite, 1 mH, 0.2 A, 2.3 ohm, TH	Bourns	5800-102-RC	1
L2	Inductor, Wirewound, Ferrite, 150uH, 0.75 A, 1.2 ohm, TH	BOURNS	RL622-151K-RC	1
L3	Inductor, Wirewound, Ferrite, 1 mH, 0.4 A, 1.2 ohm, TH	Würth Elektronik	7447471102	1
R1	RES, 0, 5%, 0.1 W, 0603	Vishay-Dale	CRCW06030000Z0EA	1
R2	RES, 135 k, 0.5%, 0.1 W, 0603	Yageo America	RT0603DRE07135KL	1
R3	RES, 10.0 k, 1%, 0.1 W, 0603	Yageo America	RC0603FR-0710KL	1
R4	RES, 47 k, 5%, 0.1 W, 0603	Vishay-Dale	CRCW060347K0JNEA	1
R5	RES, 51.0, 1%, 0.1 W, 0603	Yageo America	RC0603FR-0751RL	1
R6	RES, 100 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW0603100KFKEA	1
R7	RES, 3.9 k, 5%, 0.1 W, 0603	Vishay-Dale	CRCW06033K90JNEA	1
TP1, TP2, TP3, TP4, TP5, TP6	Test Point, Miniature, Red, TH	Keystone	5000	6
TP7, TP8	Test Point, Miniature, Black, TH	Keystone	5001	2
U1	700-V Lowest Quiescent Current Off-Line Switcher, D0007A	Texas Instruments	UCC28881DR	1
U2		Used in BOM report	TPS5405	1

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