

TIDA-00893

Bill Of Materials Wednesday, February 15, 2017

NOTE: ALL PARTS MUST BE BOTH ROHS AND REACH COMPLIANT

Item	Reference	Quantity	Value	Description	Package Reference	Manufacturer Part Number	Manufacturer	PCB Footprint	Digi-Key Part Number	Notes
1	C6, C9	0	DNI	CAP CER 0603	0603			0603		Placeholder footprints on PCB only that could be used to load the outputs during lab testing.
2	C3, C7, C10	3	0.1uF	CAP CER 0.1UF 100V X7R 0603	0603	GRM188R72A104KA35D	Murata Electronics North America	0603	490-3285-1-ND	
3	C2, C5	2	1uF	CAP CER 1UF 35V X7R 0603	0603	C1608X7R1V105K080AC	TDK Corporation	0603	445-7414-1-ND	
4	C8	1	0.1uF	CAP CER 0.1UF 100V X7R 0805	0805	CGA4J2X7R2A104K125AA	TDK Corporation	0805	445-5827-1-ND	
5	C1, C4	2	10uF	CAP CER 10UF 35V X5R 0805	0805	C2012XSR1V106K085AC	TDK Corporation	0805	445-14417-1-ND	
6	D1	0	DNI	TVS DIODE 24VWM 50VC SC70	soT23	PESD1CAN-4X	Nexperia USA Inc.	soT23	1727-1306-1-ND	
7	D2, D3	2	GREEN LED	LED GREEN DIFFUSED 0805 SMD	0805	HSMG-C170	Broadcom Limited	LED_HSM8_C170DRA	516-1434-1-ND	
8	JMP1	1	0.1" Header (2x5)	Dual Row Header, 0.100" T/H GLD	Dual Row Header, 0.100" T/H GLD	HTSW-150-08-G-D	Samtec	HDR_THVT_2X5_100		
9	JMP2	1	0.1" Header (1x4)	Single Row Header, 0.100" T/H GLD	Single Row Header, 0.100" T/H GLD	HTSW-150-08-G-S	Samtec	HDR_THVT_1X4_100		
10	L1	1	100uH	Common Mode Choke / Filter - M2022	M2022	ACT458-101-2P-7L000	TDK Corporation	M2022_Common-Mode_Choke	445-3959-1-ND	
12	R10, R14	2	0	RES SMD 0.0 OHM JUMPER 1/4W 0603	0603	CRCW0603000020EAHP	Vishay Dale	0603	541-0.058CT-ND	
11	R12, R13	0	DNI 0	RES SMD 0.0 OHM JUMPER 1/4W 0603	0603	CRCW0603000020EAHP	Vishay Dale	0603	541-0.058CT-ND	
13	R15, R16	2	249	RES SMD 249 OHM 1% 1/10W 0603	0603	ERJ-3EKF2490V	Panasonic Electronic Components	0603	P249HCT-ND	
14	R1, R2, R3	3	4.99K	RES SMD 4.99K OHM 1% 1/10W 0603	0603	ERJ-3EKF4991V	Panasonic Electronic Components	0603	P4.99KHCT-ND	
11	R7, R8, R9	0	DNI 4.99K	RES SMD 4.99K OHM 1% 1/10W 0603	0603	ERJ-3EKF4991V	Panasonic Electronic Components	0603	P4.99KHCT-ND	
15	R4, R11	0	0	RES SMD 0.0 OHM JUMPER 1/4W 1206	1206	ERJ-AGEV0R00V	Panasonic Electronic Components	1206	P0.0ECT-ND	
16	R5, R6	2	60.4	RES SMD 60.4 OHM 1% 1/2W 1210	1210	ERJ-14NF60R4U	Panasonic Electronic Components	1210	P60.4AACT-ND	
17	U1	1	ISOW7841DWR	IC QUAD ISOLATOR 16SOICW	DW00168HV	ISOW7841FDWE	Texas Instruments Inc.	DW00168HV	296-45472-1-ND	
18	U2	1	TCAN1042	IC TXRX CAN FAULT PROTECT BSOIC	D8	TCAN1042HGVDQR1	Texas Instruments Inc.	D8	296-43936-1-ND	

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