

Bill of Materials

TI DESIGNS

TIDA-00629 - IEC ESD, EFT, Surge Protected CAN

Item	Qty	Reference	Value	Manufacturer	Manufacturer Part Number	PCB Footprint
1	8	C1,C4,C6,C9,C11,C14,C16,C20	68pF	ANY	ANY 5V+ Rated	0603
2	4	C2,C7,C12,C17	0.1uF	ANY	ANY 5V+ Rated	0402
3	4	C3,C8,C13,C18	4.7nF_DNI	ANY	ANY 5V+ Rated	0402
4	4	C5,C10,C15,C19	15pF_DNI	ANY	ANY 5V+ Rated	0402
5	1	C21	47uF	ANY	ANY 5V+ Rated	7343
6	1	C22	22uF	ANY	ANY 5V+ Rated	7343
7	1	C23	68uF	ANY	ANY 5V+ Rated	1210
8	1	C24	10uF	ANY	ANY 5V+ Rated	0805
9	1	C25	1uF	ANY	ANY 5V+ Rated	1206
10	1	C26	0.1uF	ANY	ANY 5V+ Rated	1206
11	1	C27	0.01uF	ANY	ANY 5V+ Rated	0805
12	4	C28,C29,C30,C31	0.01uF	ANY	ANY 5V+ Rated	0603
13	8	JMP1,JMP5,JMP7,JMP11,JMP13,JMP17,JMP19,JMP23	Header 2x3 Tee	Samtec	HTSW-150-08-G-S	berg2x3tee
14	12	JMP2,JMP3,JMP6,JMP8,JMP9,JMP12,JMP14,JMP15,JMP18,JMP20,JMP21,JMP24, JMP25	Header 1x2	Samtec	HTSW-150-08-G-S	berg1x2
15	4	JMP4,JMP10,JMP16,JMP22	Header 1x4	Samtec	HTSW-150-08-G-S	berg1x4
16	4	L1,L2,L3,L4	ACT45B Choke	TDK	ACT45B-101-2P-TL003	IND_ACT45B_SMT_4p5x3p2mm
17	4	R1,R17,R33,R49	4.7k	ANY	ANY (1% Tolerance)	0603
18	4	R2,R19,R35,R51	0	ANY	ANY (1% Tolerance)	0603
19	4	R3,R20,R36,R52	10k	ANY	ANY (1% Tolerance)	0603
20	8	R4,R14,R18,R32,R34,R48,R50,R64	0	ANY	ANY (1% Tolerance)	0805
21	8	R5,R16,R21,R31,R37,R47,R53,R63	49.9	ANY	ANY (1% Tolerance)	0603
22	8	R6,R10,R22,R26,R38,R42,R54,R58	0_DNI	ANY	ANY (1% Tolerance)	0603
23	8	R7,R12,R23,R28,R39,R44,R55,R60	49.9_DNI	ANY	ANY (1% Tolerance)	0603
24	2	R8,R11	60.4_DNI	ANY	ANY (1% Tolerance)	0603
25	4	R9,R25,R41,R57	120	ANY	ANY (1% Tolerance)	0603
26	4	R13,R29,R45,R61	10k_DNI	ANY	ANY (1% Tolerance)	0603
27	4	R15,R30,R46,R62	453	ANY	ANY (1% Tolerance)	0603
28	6	R24,R27,R40,R43,R56,R59	60_DNI	ANY	ANY (1% Tolerance)	0603
29	16	U1,U2,U4,U5,U6,U7,U12,U14,U15,U16,U22,U23,U24,U26,U30,U32	SM712	Bourns	SM712-TP	SOT_23_321
30	4	U3,U10,U19,U28	CAN Transceiver	Texas Instruments	SN65HVD257D	SOIC 8 Pin
31	6	U8,U13,U17,U21,U25,U31	SURGE SUPP TBU 200MA 850VIMP SMD	Bourns	TBU-CA085-200-WH	DFN_3_157X256
32	2	U9,U11	VARISTOR 185V 2.5KA DISC 10MM	Bourns	MOV-10D201K	VAR_DISC_3p8x12p5mm
33	2	U18,U20	PROTECTOR SINGLE BIDIRECT 240V	Bourns	TISP4240M3BJR-S	do-214aa
34	2	U27,U29	GDT 360V 1KA SURFACE MOUNT	Bourns	2031-42T-SM-RPLF	GDT_SM_2031-xxT

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