Variant: None
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TIDA-060008 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB1	1		TIDA-060008	Any	Printed Circuit Board	
2	C1	1	10uF	EMK212BJ106KG-T	Taiyo Yuden	CAP, CERM, 10 µF, 16 V,+/- 10%, X5R, 0805	0805
3	C3, C6, C7, C13	4	0.1uF	GCM188R71C104KA37J	MuRata	CAP, CERM, 0.1 µF, 16 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
4	C4, C5	2	10uF	GRM21BC80J106KE19L	MuRata	CAP, CERM, 10 µF, 6.3 V,+/- 10%, X6S, 0805	0805
5	C8, C9, C10, C11, C14	5	0.1uF	GCM188R71C104KA37J	MuRata	CAP, CERM, 0.1 µF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
6	C15	1	0.22uF	GRM188R70J224KA88D	MuRata	CAP, CERM, 0.22 µF, 6.3 V,+/- 10%, X7R, 0603	0603
7	D, REB_DE, V+	3		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
8	D1	1	7V, 12V	SM712.TCT	Semtech	Asymmetrical TVS Diode for Extended Common-Mode RS-485, SOT-23	SOT-23
9	DIN1, DIN2	2		TSW-102-07-T-S	Samtec	Header, 2.54 mm, 2x1, Tin, TH	Header, 2.54 mm, 2x1, TH
10	EN1	1		TSW-104-07-G-S	Samtec	Header, 100mil, 4x1, Gold, TH	4x1 Header
11	FID1, FID2, FID3	3		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
12	H1, H2, H3, H4	4		SJ-5303 (CLEAR)	3M	Bumpon, Hemisphere, 0.44 X 0.20, Clear	Transparent Bumpon
13	LBL1	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650 x 0.200 inch
14	P1	1		1734354-1	TE Connectivity	Receptacle, D-Sub, 9 Position, R/A, TH	Receptacle, D-Sub, 9 Position, R/A, TH
15	R1, R2, R4, R5, R40, R41	6	4.7k	ERJ-3GEYJ472V	Panasonic	RES, 4.7 k, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
16	R3	1	120	CRCW0603120RJNEA	Vishay-Dale	RES, 120, 5%, 0.1 W, 0603	0603
17	R7	1	10.0k	RMCF0603FT10K0	Stackpole Electronics Inc	RES, 10.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
18	U2	1		ISOW7842DWER	Texas Instruments	High-Performance, 5000-VRMS Reinforced Quad-Channel Digital Isolators With Integrated High-Efficiency, Low-Emissions DC-DC Converter, DWE0016A (SOIC-16)	DWE0016A
19	U3	1		THVD1410D	Texas Instruments	3.3-V to 5-V RS-485 Transceivers With +/-18-kV IEC ESD Protection, D0008A (SOIC-8)	D0008A
20	U4	1		TRS3232EID	Texas Instruments	3-V to 5.5-V Multichannel RS-232 Line Driver / Receiver with ±15-kV IEC ESD Protection, -40 to 85 degC, 16-Pin SOIC (D), Green (RoHS & no Sb/Br)	D0016A
21	U5	1		SN74LVC1G123DCUR	Texas Instruments	Single Retriggerable Monostable Multivibrator with Schmitt-Trigger Inputs, DCU0008A, LARGE T&R	DCU0008A

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