

Variant: 001
 Generated: 12/15/2017 11:41:26 AM
 TID #: TIDA-01608



TIDA-01608 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	PCB	1		TIDA-01608	Any	Printed Circuit Board	
2	C1, C5, C6	3	0.1uF	08055C104KAT2A	AVX	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0805	0805
3	C2, C3, C8, C9	4	33pF	08051A330JAT2A	AVX	CAP, CERM, 33 pF, 100 V,+/- 5%, COG/NP0, 0805	0805
4	C4, C7	2	22uF	GRM21BR61A226ME44L	MuRata	CAP, CERM, 22 uF, 10 V, +/- 20%, X5R, 0805	0805
5	D1	1	Green	LTST-C190GKT	Lite-On	LED, Green, SMD	1.6x0.8x0.8mm
6	D2	1	Red	LTST-C190CKT	Lite-On	LED, Red, SMD	Red LED, 1.6x0.8x0.8mm
7	H1, H2, H3, H4	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
8	H5, H6, H7, H8	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
9	J1, J3, J4, J5, J6	5		61300311121	Würth Elektronik	Header, 2.54 mm, 3x1, Gold, TH	Header, 2.54mm, 3x1, TH
10	J2	1		61300211121	Würth Elektronik	Header, 2.54 mm, 2x1, Gold, TH	Header, 2.54mm, 2x1, TH
11	J7	1		851-43-010-20-001000	Mill-Max Manufacturing Corp.	10-Pin 50-mil Connector of SM-USB-DIG	eg: 0603, used in PnP report
12	R1	1	35.7k	CRCW080535K7FKEA	Vishay-Dale	RES, 35.7k ohm, 1%, 0.125W, 0805	0805
13	R2	1	12.1k	CRCW080512K1FKEA	Vishay-Dale	RES, 12.1k ohm, 1%, 0.125W, 0805	0805
14	R3, R5	2	910	RC0603JR-07910RL	Yageo America	RES, 910, 5%, 0.1 W, 0603	0603
15	R4	1	10.0k	ERJ-3EKF1002V	Panasonic	RES, 10.0 k, 1%, 0.1 W, 0603	0603
16	R6, R7, R8, R9, R10, R11, R12, R13	8	10.0k	CRCW080510K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.125 W, 0805	0805
17	T1, T2	2		CB35-36-CY	Panduit	Terminal 50A Lug	CB35-36-CY
18	TP2, TP3, TP5, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18	14	SMT	5016	Keystone	Test Point, Compact, SMT	Testpoint_Keystone_ Compact
19	Tranzorb	1	24V	SMBJ24A-13-F	Diodes Inc.	Diode, TVS, Uni, 24V, 600W, SMB	SMB
20	U1	1		INA260AIPWR	Texas Instruments	High/Low-Side Digital Current/Power Monitor with Integrated 2mΩ Shunt Resistor, PW0016A (TSSOP-16)	PW0016A
21	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
22	U3, U4	2		P82B96DGKR	Texas Instruments	Dual Bidirectional Bus Buffer, 2 Channel Width, 2.0 to 15.0 V, -40 to 85 degC, 8-pin MSOP (DGK), Green (RoHS & no Sb/Br)	DGK0008A

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