

TIDA-03030 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB1	1		TIDA-03030	Any	Printed Circuit Board	
2	C2, C3	2	0.1uF	GCM155R71C104KA55D	MuRata	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, 0402	0402
3	C4, C5	2	1uF	GCM188R71C105KA64D	MuRata	CAP, CERM, 1 uF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
4	C6	1	3000pF	GRM1885C1H302JA01D	MuRata	CAP, CERM, 3000 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
5	D1, D2	2	Green	150060GS75000	Würth Elektronik	LED, Green, SMD	LED_0603
6	D3, D6	2	Blue	150060BS75000	Würth Elektronik	LED, Blue, SMD	LED_0603
7	D4	1	7.5V	SMAJ7.5CA	Littelfuse	Diode, TVS, Bi, 7.5 V, 400 W, SMA	SMA
8	D5	1	30V	MBR130T1G	ON Semiconductor	Diode, Schottky, 30 V, 1 A, SOD-123	SOD-123
9	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
10	H5, H6, H7, H8	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
11	H9, H10, H11, H12	4		SJ-5303 (CLEAR)	3M	Bumpon, Hemisphere, 0.44 X 0.20, Clear	Transparent Bumpon
12	J1, J2, J3, J4, J5, J8	6		HTSW-103-09-G-S	Samtec	Header, 100mil, 3x1, Gold, TH	Header, 3x1, 2.54mm, TH
13	J6, J9	2		961102-6404-AR	3M	Header, 2.54mm, 2x1, TH	Header, 2.54mm, 2x1, TH
14	J7	1		282841-2	TE Connectivity	Terminal Block, 2x1, 5.08mm, TH	10.16x15.2x9mm
15	J10	1		20-0000016-01	Lintes Technology	Connector, Receptacle, USB Type C, R/A, SMT	Connector, Receptacle, USB Type C, SMT
16	J11	1		15-91-2040	Molex	Header, 100mil, 2x2, Tin, SMT	2x2 100mil Tin Header
17	J12	1		SJ-43515TS-SMT-TR	CUI Inc.	Audio Jack, 3.5mm, Stereo, R/A, SMT	3.5 mm Audio Jack Connector, Body 17 x 6 mm
18	J13	1		0473460001	Molex	Connector, Receptacle, Micro-USB Type B, R/A, Bottom Mount SMT	7.5x2.45x5mm
19	Q1	1	30V	CSD17571Q2	Texas Instruments	MOSFET, N-CH, 30 V, 7.6 A, SON 2x2mm	SON 2x2mm
20	R1, R5	2	200k	CRCW0402200KFKED	Vishay-Dale	RES, 200 k, 1%, 0.063 W, 0402	0402
21	R2, R4, R6, R8, R15	5	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
22	R3	1	909k	CRCW0402909KFKED	Vishay-Dale	RES, 909 k, 1%, 0.063 W, 0402	0402
23	R7, R10	2	909	RC0603FR-07909RL	Yageo America	RES, 909, 1%, 0.1 W, 0603	0603
24	R9, R11	2	4.7k	CRCW04024K7QJNED	Vishay-Dale	RES, 4.7 k, 5%, 0.063 W, 0402	0402
25	R12, R13	2	845	CRCW0603845RFKEA	Vishay-Dale	RES, 845, 1%, 0.1 W, 0603	0603
26	R14	1	10.2k	CRCW080510K2FKEA	Vishay-Dale	RES, 10.2 k, 1%, 0.125 W, 0805	0805
27	SH-J1, SH-J2, SH-J3, SH-J4, SH-J5, SH-J6, SH-J7, SH-J8, SH-J9, SH-J10	10	1x2	SNT-100-BK-G	Samtec	Shunt, 100mil, Gold plated, Black	Shunt
28	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10	10		5116	Keystone	Test Point, Miniature, Green, TH	Green Miniature Testpoint
29	TP11, TP12, TP13, TP14, TP15	5	Blue	5117	Keystone	Test Point, Miniature, Blue, TH	Blue Miniature Testpoint
30	TP16, TP17, TP18, TP19, TP20, TP21	6		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
31	U1, U3	2		SN74LVC1G04YZ/R	Texas Instruments	Single Inverter Gate, YZV0004ADAD	YZV0004ADAD
32	U2	1		TUSB3201RWBR	Texas Instruments	USB Type-C Configuration Channel Logic and Port Control, RWB0012A	RWB0012A
33	U4	1		TSSUSBA224RSWR	Texas Instruments	USB 2.0 High-Speed (480Mbps) and Audio Switches with Negative Signal Capability, 3 / 4 ohm RON, -40 to 85 degC, 10-Pin UQFN (RSW), Green (RoHS & no Sb/Br)	RSW0010A
34	U5	1		TS3A226AEYFFR	Texas Instruments	Autonomous Audio Headset Switch with Reduced GND Switch RON and FM Capability, YFF0009AEAJ	YFF0009AEAJ
35	U6	1		TPS259230DRCR	Texas Instruments	12-V eFuse with Over Voltage Protection and Blocking FET Control, DRC0010J	DRC0010J
36	U7	1		TLV73333PDQNR	Texas Instruments	Capacitor-Free, 300-mA, Low-Dropout Regulator, DQN0004A	DQN0004A
37	U8	1		TPD6E05U06RVZR	Texas Instruments	1, 4, 6 Channel ESD Protection Device for Super-Speed (up to 6 Gbps) Interface, RVZ0014A	RVZ0014A
38	C7, C8	0	1uF	C3216X7R1H105K160AB	TDK	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 1206	1206
39	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial

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