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TIDA-01451 REV A Bill of Materials

Item	Quantity	Reference	Description	Manufacturer Part Number	MFG	Supplier Part Number	PCB Footprint	Notes
1	1	C1		06031C102JAT2A	AVX	478-3698-1-ND	603	
2	20	C2,C9,C12,C15,C18,C21,C25,C27,C37,C40,C42,C47,C49,C50,C51,C52,C53,C54,C55,C56		06033C105KAT2A	AVX	478-10046-1-ND	603	
3	1	C7		0805YD106KAT2A	AVX	478-5165-1-ND	0805_HV	
4	16	C8,C10,C13,C16,C19,C22,C26,C29,C30,C38,C41,C43,C45,C48,C72,C73		C0603C104J3RACTU	Kemet	399-1282-1-ND	603	
5	11	C11,C14,C17,C20,C23,C24,C28,C36,C39,C44,C46		C0402C102J3RACTU	Kemet	399-7752-1-ND	402	
6	1	C31		GRM31CR60J157ME11L	MuRata	55V9931	1206_190	
7	5	C57,C60,C63,C66,C69		1206YD226MAT2A	AVX	478-5332-1-ND	1206_190	
8	5	C58,C61,C64,C67,C70		0402YC104KAT2A	AVX	478-7888-1-ND	402	
9	5	C59,C62,C65,C68,C71		C2012X5R1A476M125AC	TDK	445-8239-1-ND	0805_HV	
10	14	D1,D2,D3,D4,D5,D6,D7,D8,D9,D10,D11,D12,D13,D14		BR1111C-TR	Stanley Electric Co., LTD	404-1000-1-ND	1111C_Red	
11	4	H1,H2,H3,H4	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	NY PMS 440 0025 PH	B&F Fastener Supply	H542-ND		
12	4	H5,H6,H7,H8	Standoff, Hex, 0.5"L #4-40 Nylon	1902C	Keystone	1902CK-ND		
13	4	H9,H10,H11,H12	Bump, Hemisphere, 0.44 X 0.20, Clear	SJ-5303 (CLEAR)	3M	SJ5303-7-ND		
14	1	JPX1	CONN JUMPER SHORTING .100 GOLD (SHUNT)	QPC02SXGN-RC	Sullins Connectors Solutions	S9337-ND		
15	1	JP1	VERTICAL PC TAIL PIN HEADER .100 SILVER	M20-9990246	HARWIN INC.	952-2262-ND	th2vj_100_093x190x425	
16	3	J1,J5,J6		ED120/2DS	On-Shore Technology	ED1609-ND	On-Shore_ED120_2DS	
17	2	J2,J3		PPTC102LFBN-RC	Sullins Connector Solutions	S7078-ND	Sullins_xPxC102LFBN-RC	
18	1	J4		NPPC122KFMS-RC	Sullins Connector Solutions	S5721-ND	Sullins_NPPC122KFMS	
19	1	J7		PJ-202BH	CUI Inc.	CP-202BH-ND	jack_power_3p	
20	1	J8		1001-001-01000	CnC Tech	1175-1263-ND	CON_THRT_USB_A_F	
21	1	L1		SLF6045T-3R3N2R8-3PF	TDK	445-4570-1-ND	SLF6045	
22	1	L2		SRP4020TA-2R2M	Bourns	SRP4020TA-2R2MCT-ND	SRP4020TA	
23	1	L3		IHL2525EZER2R2M01	Vishay-Dale	IHL2525EZER2R2M01-ND	IHL2525EZ	
24	2	L4,L5		IHL2020CZER1R5M11	Vishay-Dale	541-1235-1-ND	IHL2020CZ	
25	2	Q1,Q2		BC817-16L1G	ON Semiconductor	BC817-16L1GOSCT-ND	SOT-23	
26	1	R1	RES SMD 590 OHM 1% 1/8W 0805	RC0805FR-07590RL	Yageo	311-590CTR-ND	0805_HV	
27	1	R2		CRCW08051M00FKEA	Vishay-Dale	541-1.00MCT-ND	0805_HV	
28	1	R5		CRCW1206715RFKEA	Vishay-Dale	541-715FCT-ND	1206	
29	5	R6,R7,R14,R19,R20		ERJ-8ENF2210V	Panasonic	P221FCT-ND	1206	
30	6	R8,R9,R10,R11,R12,R13		CRCW0603110RJNEA	Vishay-Dale	541-110GCT-ND	603	
31	2	R15,R25		CRCW06037R15FKEA	Vishay-Dale	541-7.15HHCT-ND	603	
32	1	R21		CRCW1206100KFKEA	Vishay-Dale	541-100KFCT-ND	1206	
33	9	R22,R23,R24,R60,R61,R62,R63,R64,R65		CRCW120657R6FKEA	Vishay-Dale	541-57.6FCT-ND	1206	
34	1	R66		CRCW040254K9FKED	Vishay-Dale	541-54.9KLCT-ND	402	
35	5	R67,R69,R71,R73,R75		CRCW040210K0FKED	Vishay-Dale	541-10.0KLCT-ND	402	
36	1	R68		CRCW040233K2FKED	Vishay-Dale	541-33.2KLCT-ND	402	
37	1	R70		CRCW040213K7FKED	Vishay-Dale	541-13.7KLCT-ND	402	
38	1	R72		CRCW04024K53FKED	Vishay-Dale	541-4.53KLCT-ND	402	
39	1	R74		CRCW04023K16FKED	Vishay-Dale	541-3.16KLCT-ND	402	
40	1	R76		CRCW060310K7FKEA	Vishay-Dale	541-10.7KHCT-ND	603	
41	1	R77		CRCW06034K02FKEA	Vishay-Dale	541-4.02KHCT-ND	603	
42	2	R78,R79		CSR1206FK10L0	Stackpole Electronics Inc	CSR1206FK10L0CT-ND	1206	
43	1	R80		3386P-1-102LF	Bourns	3386P-102LF-ND	Bourns_3386P	
44	1	R81		CRCW06035K60JNEA	Vishay-Dale	541-5.6KGCT-ND	603	
45	5	S1,S2,S3,S4,S5		FSM4JSMA	TE Connectivity	450-1129-ND	SW_FSM4JSMA	
46	2	TP1,TP2		5001	Keystone	36-5001-ND	Keystone5001	
47	5	TP3,TP4,TP5,TP6,TP7		5000	Keystone	36-5000-ND	Keystone5000	
48	2	TP8,TP9		5002	Keystone	36-5002-ND	Keystone5002	
49	1	U1		PTPS259541DSGT	Texas Instruments		PWSON_8DSG	
50	9	U2,U3,U4,U5,U6,U9,U12,U13,U14		TPS22918QDBVR01	Texas Instruments		DBV0006A_N	
51	1	U7		TPS22945DCKR	Texas Instruments		DCK0005A_N	
52	1	U8		TPS22976DPUR	Texas Instruments		DPUR0014A	
53	1	U10		TPS2065DDBVR	Texas Instruments		DBV0005A_N	
54	1	U11		NHD-C12832A1Z-FSW-FBW-3V3	Newhaven Display International	NHD-C12832A1Z-FSW-FBW-3V3-ND	NHD-C12832A1Z-FSW-FBW-3V3	
55	2	U15,U17		TPS562201DDCR	Texas Instruments		DDC0006A_N	
56	3	U16,U18,U19		TPS564201DDCR	Texas Instruments		DDC0006A_N	
57	1	U20		INA215AIDCKR	Texas Instruments		DCK0006A_N	
58	1	U21		INA212AIDCKR	Texas Instruments		DCK0006A_N	

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