

Variant: 001
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TIDA-01063 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		TIDA-01063	Any	Printed Circuit Board	
2	C1, C3, C4, C6, C9, C11	6	1000pF	C0603X102K5RACTU	Kemet	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603	0603
3	C2, C5, C10	3	0.01uF	06031C103JAT2A	AVX	CAP, CERM, 0.01 uF, 100 V, +/- 5%, X7R, 0603	0603
4	C7, C13, C15, C17, C21, C24, C25, C26, C27	9	0.1uF	CGA3E2X8R1E104K080AA	TDK	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X8R, AEC-Q200 Grade 0, 0603	0603
5	C8, C12, C14, C16, C18	5	1uF	C1608X5R1C105K	TDK	CAP, CERM, 1 uF, 16 V, +/- 10%, X5R, 0603	0603
6	C19, C22, C23	3	10uF	C0603C106M9PACTU	Kemet	CAP, CERM, 10 uF, 6.3 V, +/- 20%, X5R, 0603	0603
7	D1	1	3.3V	CDSOD323-T03SC	Bourns	Diode, TVS, Bi, 3.3 V, 400 W, SOD323, 2-Leads, Body 1.9x1.45mm, No Polarity Mark	SOD323, 2-Leads, Body 1.9x1.45mm, No Polarity Mark
8	D3	1	100V	BAT41ZFILM	STMicroelectronics	Diode, Schottky, 100 V, 0.2 A, SOD-123	SOD-123
9	D4	1	Green	150060GS75000	Würth Elektronik	LED, Green, SMD	LED 0603
10	J1, J3, J4	3	2x1	1727010	Phoenix Contact	Conn Term Block, 2POS, 3.81mm, TH	2POS Terminal Block
11	J2	1		SSW-110-22-F-D-VS-K	Samtec	Connector, Receptacle, 100mil, 10x2, Gold plated, SMD	10x2 Receptacle
12	L1, L2, L3, L4	4	21 ohm@100 Mhz	FBMJ2125HM210NT	Taiyo Yuden	Ferrite Bead, 21 ohm @ 100 MHz, 6 A, 0805	0805
13	R1, R3, R6, R7, R9, R11	6	249	RT0603BRD07249RL	Yageo America	RES, 249, 0.1%, 0.1 W, 0603	0603
14	R2, R5, R12, R14, R15	5	100k	RC0603FR-07100KL	Yageo America	RES, 100 k, 1%, 0.1 W, 0603	0603
15	R4	1	100	ERA-3AEB101V	Panasonic	RES, 100, 0.1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
16	R8	1	10.0k	RT0603DRE0710KL	Yageo America	RES, 10.0 k, 0.5%, 0.1 W, 0603	0603
17	R10	1	1.00k	RT0603DRE071KL	Yageo America	RES, 1.00 k, 0.5%, 0.1 W, 0603	0603
18	R13	1	390	RC0603FR-07390RL	Yageo America	RES, 390, 1%, 0.1 W, 0603	0603
19	R16, R18	2	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
20	TP1, TP3, TP8, TP9, TP10	5	White	5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
21	TP2, TP7	2	Yellow	5004	Keystone	Test Point, Miniature, Yellow, TH	Yellow Miniature Testpoint
22	TP4, TP6	2	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
23	TP5, TP11	2	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
24	U1	1		INA188D	Texas Instruments	INA188 Precision, Zero-Drift, Rail-to-Rail Out, High Voltage Instrumentation Amplifier, D0008A	D0008A
25	U2	1		LP5907MFX-3.3/NOPB	Texas Instruments	ULTRA LOW-NOISE, 250-mA LINEAR REGULATOR FOR RF AND ANALOG CIRCUITS REQUIRES NO BYPASS CAPACITOR, DBV0005A	DBV0005A
26	U3	1		LM2776DBVR	Texas Instruments	Switched Capacitor Inverter, DBV0006A	DBV0006A
27	U4	1		REF2025AIDDCR	Texas Instruments	Low-Drift, Low-Power, Dual-Output, VREF and VREF / 2 Voltage References, 3.0V, DDC0005A	DDC0005A
28	C20	0	10uF	C0603C106M9PACTU	Kemet	CAP, CERM, 10 uF, 6.3 V, +/- 20%, X5R, 0603	0603
29	D2	0	15V	CDSOD323-T15SC	Bourns	Diode, TVS, Bi, 15 V, 400 W, SOD323, 2-Leads, Body 1.9x1.45mm, No Polarity Mark	SOD323, 2-Leads, Body 1.9x1.45mm, No Polarity Mark
30	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
31	H1, H2, H3, H4	0		SJ-5303 (CLEAR)	3M	Bumpon, Hemisphere, 0.44 X 0.20, Clear	Transparent Bumpon
32	R17, R19	0	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603

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