

Variant: 001  
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TIDA-060033 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		TIDA-060033	Any	Printed Circuit Board	
2	C1, C4	2	1uF	C2012X5R1H105K125AB	TDK	CAP, CERM, 1 uF, 50 V, +/- 10%, X5R, 0805	805
3	C2, C5	2	10uF	GRT31CR61H106KE01L	MuRata	CAP, CERM, 10 uF, 50 V, +/- 10%, X5R, AEC-Q200 Grade 1, 1206	1206
4	C3	1	0.01uF	06031C103KAT2A	AVX	CAP, CERM, 0.01 uF, 100 V, +/- 10%, X7R, 0603	603
5	C6, C11, C14	3	0.1uF	C1608X5R1H104K080AA	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X5R, 0603	603
6	H1, H2, H3, H4	4		PMSSS 440 0025 PH	B&F Fastener Supply	MACHINE SCREW PAN PHILLIPS 4-40	Machine Screw, 4-40, 1/4 inch
7	H5	1		BDN14-3CB/A01	CTS Electrocomponents	HEATSINK CPU W/ADHESIVE 1.41"SQ	35.814x35.814mm
8	H6, H7, H8, H9	4		2204	Keystone	HEX STANDOFF 4-40 ALUMINUM 3/4"	HEX STANDOFF 4-40 ALUMINUM 3/4"
9	J1, J2	2		142-0701-806	Cinch Connectivity	Connector, End launch SMA, 50 ohm, SMT	End launch SMA
10	J3, J4, J5	3		6095	Keystone	Standard Banana Jack, Uninsulated	Keystone_6095
11	L1, L2	2	80 ohm	HI1206N800R-10	Laird-Signal Integrity Products	Ferrite Bead, 80 ohm @ 100 MHz, 3 A, 1206	1206
12	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
13	R1, R18	2	2.10k	CRCW08052K10FKEA	Vishay-Dale	RES, 2.10 k, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	805
14	R3, R21	2	100	CRCW0805100RFKEA	Vishay-Dale	RES, 100, 1%, 0.125 W, 0805	805
15	R4, R25	2	8.06k	CRCW12068K06FKEA	Vishay-Dale	RES, 8.06 k, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
16	R5, R23	2	3.9	ERJ-6RQF3R9V	Panasonic	RES, 3.90, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	805
17	R6, R10, R24	3	0	CRCW0805000Z0EA	Vishay-Dale	RES, 0, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	805
18	R7, R20	2	2.00k	CRCW12062K00FKEA	Vishay-Dale	RES, 2.00 k, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
19	R9, R15	2	6.04k	ERJ-8ENF6041V	Panasonic	RES, 6.04 k, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
20	R11, R14	2	100	RHC2512F100R	Vishay-Dale	RES SMD 100 OHM 1% 2W 2512	2512
21	R12	1	54.9	CRCW080554R9FKEA	Vishay-Dale	RES, 54.9, 1%, 0.125 W, 0805	805
22	R13	1	499	CRCW0805499RFKEA	Vishay-Dale	RES, 499, 1%, 0.125 W, 0805	805
23	R16	1	49.9	CRCW080549R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	805
24	R22	1	0	CRCW0603000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	603
25	TP1	1		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
26	TP2	1		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
27	TP3	1		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
28	TP4	1		5014	Keystone	Test Point, Multipurpose, Yellow, TH	Yellow Multipurpose Testpoint
29	U1	1		THS3491IRGT	Texas Instruments	High Voltage, Low Distortion, Current-Feedback Amplifier, RGT0016A (VQFN-16)	RGT0016A
30	U2, U3	2		THS3491IDDAR	Texas Instruments	900MHz High Power Output Current Feedback Amplifier, DDA0008D (SOIC-8)	DDA0008D
31	C7, C12	0	0.1uF	C1608X5R1H104K080AA	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X5R, 0603	603
32	C8, C13	0	1000pF	GRM3195C2A102JA01D	MuRata	CAP, CERM, 1000 pF, 100 V, +/- 5%, COG/NP0, 1206	1206
33	C9	0	1000pF	GRM2165C1H102JA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 5%, COG/NP0, 0805	805
34	C10	0	100pF	12061A101JAT2A	AVX	CAP, CERM, 100 pF, 100 V, +/- 5%, COG/NP0, 1206	1206
35	FID1, FID2, FID3, FID4, FID5, FID6	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
36	R2, R19	0	4.42k	CRCW08054K42FKEA	Vishay-Dale	RES, 4.42 k, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	805
37	R8, R17	0	3.40k	CRCW12063K40FKEA	Vishay-Dale	RES, 3.40 k, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206

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