

Variant: 001
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 TID #: TIDA-060002



TIDA-060002 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPC	1		TIDA-060002	Any	Printed Circuit Board	
2	C1, C14	2	6.8uF	T495D685K050ATE300	Kemet	CAP, TA, 6.8 uF, 50 V, +/- 10%, 0.3 ohm, SMD	7343-31
3	C2, C8	2	1uF	C2012X5R1H105K125AB	TDK	CAP, CERM, 1 uF, 50 V, +/- 10%, X5R, 0805	0805
4	C3, C4, C5, C6, C9, C10, C11, C12	8	0.1uF	C0603C104Z3VACTU	Kemet	CAP, CERM, 0.1 uF, 25 V, +80/-20%, Y5V, 0603	0603
5	C7	1	0.01uF	06031C103KAT2A	AVX	CAP, CERM, 0.01 uF, 100 V, +/- 10%, X7R, 0603	0603
6	C13, C15, C17, C20	4	0.1uF	GRM155R61E104KA87D	MuRata	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X5R, 0402	0402
7	C16	1	3.9pF	06035A3R9CAT2A	AVX	CAP, CERM, 3.9 pF, 50 V, +/- 6%, C0G/NP0, 0603	0603
8	C18	1	18pF	GRM1885C2A180JA01D	MuRata	CAP, CERM, 18 pF, 100 V, +/- 5%, C0G/NP0, 0603	0603
9	C19	1	47pF	GRM1885C1H470JA01D	MuRata	CAP, CERM, 47 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
10	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
11	H5, H6, H7, H8	4		2204	Keystone	HEX STANDOFF 4-40 ALUMINUM 3/4"	HEX STANDOFF 4-40 ALUMINUM 3/4"
12	H9	1		BDN18-6CB/A01	CTS Electrocomponents	HEATSINK CPU W/ADHESIVE 1.81"SQ	HEATSINK
13	J1, J2, J3	3		6095	Keystone	Standard Banana Jack, Uninsulated	Keystone_6095
14	J4, J5	2		142-0701-806	Cinch Connectivity	Connector, End launch SMA, 50 ohm, SMT	End launch SMA
15	L1, L2	2	80 ohm	HI1206N800R-10	Laird-Signal Integrity Products	Ferrite Bead, 80 ohm @ 100 MHz, 3 A, 1206	1206
16	L3	1	27nH	0805HQ-27NXJEB	Coilcraft	Inductor, Wirewound, Ceramic, 27 nH, 1.3 A, 0.07 ohm, SMD	0805
17	L4	1	51nH	0805HQ-51NXJEB	Coilcraft	Inductor, Wirewound, Ceramic, 51 nH, 1.0 A, 0.12 ohm, SMD	0805
18	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
19	R1, R5, R13, R17	4	40.2	ERJ-1TNF40R2U	Panasonic	RES SMD 40.2 OHM 1% 1W 2512	2512
20	R2, R6, R14, R18	4	143	RC0603FR-07143RL	Yageo America	RES, 143, 1%, 0.1 W, 0603	0603
21	R3, R7, R15, R19	4	576	RC0603FR-07576RL	Yageo America	RES, 576, 1%, 0.1 W, 0603	0603
22	R4, R8, R16, R20	4	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
23	R9, R24	2	100	CRCW2512100RFKKEG	Vishay-Dale	RES, 100, 1%, 1 W, AEC-Q200 Grade 0, 2512	2512
24	R10, R12, R21, R22	4	0	CRCW08050000Z0EA	Vishay-Dale	RES, 0, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
25	R11	1	49.9	CRCW080549R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
26	R23	1	15.0	CRCW201015R0FKEF	Vishay-Dale	RES, 15.0, 1%, 0.75 W, AEC-Q200 Grade 0, 2010	2010
27	R26, R27, R28, R29	4	49.9	CRCW040249R9FKED	Vishay-Dale	RES, 49.9, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
28	TP1	1		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
29	TP2, TP3, TP4, TP5	4		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
30	U1, U2, U3, U4	4		THS3491IRGT	Texas Instruments	High Voltage, Low Distortion, Current-Feedback Amplifier, RGT0016A (VQFN-16)	RGT0016A
31	C21	0	1000pF	GRM3195C2A102JA01D	MuRata	CAP, CERM, 1000 pF, 100 V, +/- 5%, C0G/NP0, 1206	1206
32	FID1, FID2, FID3, FID4, FID5, FID6	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
33	R25	0	0	CRCW20100000Z0EF	Vishay-Dale	RES, 0, 5%, 0.75 W, AEC-Q200 Grade 0, 2010	2010

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
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