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TIDA-01053 REV E1 Bill of Materials



Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C2, C4, C23, C27	4	5pF	GRM1885C2A5R0CA01D	MuRata	CAP, CERM, 5 pF, 100 V, +/- 5%, C0G/NP0, 0603	0603
2	C7, C10	2	10uF	UMK325AB7106KM-T	Taiyo Yuden	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, 1210	1210
3	C8, C11	2	0.1uF	GRM188R72A104KA35D	MuRata	CAP, CERM, 0.1 uF, 100 V, +/- 10%, X7R, 0603	0603
4	C9, C12	2	0.01uF	GRM188R71E103KA01D	MuRata	CAP, CERM, 0.01 uF, 25 V, +/- 10%, X7R, 0603	0603
5	C33, C38	2	0.1uF	C0603C104J3RACTU	Kemet	CAP, CERM, 0.1 uF, 25 V, +/- 5%, X7R, 0603	0603
6	C34, C35	2	1000pF	C0603C102J5GAC	Kemet	CAP, CERM, 1000 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
7	C36, C37, C39	3	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, 0603	0603
8	C40	1	10uF	GRM21BR71A106KE51L	MuRata	CAP, CERM, 10uF, 10V, +/-10%, X7R, 0805	0805
9	C41	1	1uF	GRM188R71A105KA61D	MuRata	CAP, CERM, 1uF, 10V, +/-10%, X7R, 0603	0603
10	C42	1	47uF	GRM32ER71A476KE15L	MuRata	CAP, CERM, 47 uF, 10 V, +/- 10%, X7R, 1210	1210
11	C1t1, C1t2, C1t3	3	1000pF	C1608C0G2A102J080AA	TDK	CAP, CERM, 1000 pF, 100 V, +/- 5%, C0G/NP0, 0603	0603
12	FDA1	1		THS4551IRGTR	Texas Instruments	Low Power, Precision, 160MHz, Fully Differential Amplifier, RGT0016A	RGT0016A
13	J1, J2, J3, J4, J12, J13, J14, J15	8		CONSUMA001-SMD-G	Linx Technologies	Jack, SMA, PCB, Gold, SMT	SMA Jack
14	J5, J6, J7	3		6095	Keystone	Standard Banana Jack, Uninsulated	Keystone_6095
15	L1, L2	2	31 ohm	MI1206K310R-10	Laird-Signal Integrity Products	Ferrite Bead, 31 ohm @ 100 MHz, 1.5 A, 1206	1206
16	R1, R7, R21, R24	4	52.3	RC0603FR-0752R3L	Yageo America	RES, 52.3, 1%, 0.1 W, 0603	0603
17	R19, R20, R32, R33, R36, R37, R38	7	0	ERJ-2GE0R00X	Panasonic	RES, 0, 5%, 0.063 W, 0402	0402
18	R39, R41, RF1, RF2, RF3, RF4, RI1, RI2, RI3, RI4	10	1.00k	RT0603BRB071KL	Yageo America	RES, 1.00 k, 0.1%, 0.1 W, 0603	0603
19	R42	1	499	RG1608P-4990-B-T5	Susumu Co Ltd	RES, 499, 0.1%, 0.1 W, 0603	0603
20	R43	1	20.0k	RG1608P-203-B-T5	Susumu Co Ltd	RES, 20.0 k, 0.1%, 0.1 W, 0603	0603
21	R44, R45	2	49.9k	RG1608P-4992-B-T5	Susumu Co Ltd	RES, 49.9 k, 0.1%, 0.1 W, 0603	0603
22	R46, R47	2	0.22	ERJ-3RQFR22V	Panasonic	RES, 0.22 ohm, 1%, 0.1W, 0603	0603
23	R1t1, R1t2, R1t3, R1t4	4	20.0	RT0603BRD0720RL	Yageo America	RES, 20.0, 0.1%, 0.1 W, 0603	0603
24	TP28, TP29, TP30	3		5015	Keystone	Test Point, Miniature, SMT	Testpoint_Keystone_Miniature
25	U1, U2	2		OPA625IDBVR	Texas Instruments	High Bandwidth, High Precision, Low Noise and Distortion Amplifier with Ultra-Fast Transition time Low Power mode, DBV0006A (SOT-6)	DBV0006A
26	U3	1		REF6050IDGKR	Texas Instruments	High-Precision Voltage Reference with Integrated High-Bandwidth Buffer, DGK0008A (VSSOP-8)	DGK0008A
27	U4	1		OPA376AIDBVR	Texas Instruments	Precision, Low Noise, Low Iq Operational Amplifier, 2.2 to 5.5 V, -40 to 125 degC, 5-pin SOT23 (DBV0005A), Green (RoHS & no Sb/Br)	DBV0005A
28	C1, C32	0	130pF	GRM1885C2A131JA01D	MuRata	CAP, CERM, 130 pF, 100 V, +/- 5%, C0G/NP0, 0603	0603
29	C6, C24, C25, C29, C30	0	1000pF	C1608C0G2A102J080AA	TDK	CAP, CERM, 1000 pF, 100 V, +/- 5%, C0G/NP0, 0603	0603
30	C22	0	68pF	GRM1885C2A680JA01D	MuRata	CAP, CERM, 68 pF, 100 V, +/- 5%, C0G/NP0, 0603	0603
31	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
32	R4, R10	0	124	RC0603FR-07124RL	Yageo America	RES, 124, 1%, 0.1 W, 0603	0603
33	R27	0	249	CRCW0603249RFKEA	Vishay-Dale	RES, 249, 1%, 0.1 W, 0603	0603