

TIDA-01036 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		TIDA-01036	Any	Printed Circuit Board	
C1, C4, C7, C13, C14, C15, C16, C17, C18, C28, C29, C30, C40, C41, C48, C49, C50, C51, C58, C59, C60, C63, C65, C69	24	0.1uF	C3216C0G2A104J160AC	TDK	CAP, CERM, 0.1 µF, 100 V, +/- 5%, C0G/NP0, 1206_190	1206_190
C2, C3, C8, C19, C21, C23, C36, C38, C42, C43, C52, C54, C62, C66	14	0.1uF	GRM155R71C104KA88D	MuRata	CAP, CERM, 0.1 µF, 16 V, +/- 10%, X7R, 0402	0402
C5, C6, C9, C20, C22, C24, C37, C39, C44, C45, C53, C55, C64, C67	14	10uF	ZRB18AD71A106KE01L	MuRata	CAP, CERM, 10 µF, 10 V, +/- 10%, X7T, 0603	0603
C31, C33, C35, C70, C71, C74, C76, C78, C79, C80, C81, C82, C86, C88, C90, C91, C93, C94	18	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 µF, 25 V, +/- 10%, X7R, 0603	0603
C32, C34, C72, C73, C75, C77, C83, C84, C85, C87, C89, C92	12	0.1uF	C0603C104J3RACTU	Kemet	CAP, CERM, 0.1 µF, 25 V, +/- 5%, X7R, 0603	0603
H1, H2, H3, H4	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
H5, H6, H7, H8	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
J1, J2, J6, J7	4		142-0701-801	Johnson	Connector, End launch SMA, 50 ohm, SMT	End Launch SMA
J3, J5	2		7006	Keystone	Binding Post, RED, TH	11.4x27.2mm
J4	1		7007	Keystone	Binding Post, BLACK, TH	11.4x27.2mm
L1, L2, L3, L4, L5, L6, L7, L8, L9, L10, L11, L12, L13, L14, L15, L16, L17, L18, L19, L20, L21, L22, L23, L24, L25, L26	26			Würth Elektronik eiSos GmbH	SMD EMI Suppression Ferrite Beads WE-CBF, Z= 10 Ohm	
R1, R2, R3, R25, R26, R37, R88, R89, R90, R105, R106, R107	12	590	CRCW0805590RFKEA	Vishay-Dale	RES, 590, 1%, 0.125 W, 0805	0805
R4, R13	2	300	CRCW0805300RJNEA	Vishay-Dale	RES, 300, 5%, 0.125 W, 0805	0805

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R5, R6, R14, R15, R27, R28, R33, R34, R38, R41, R76, R85	12	0	CRCW08050000Z0EA	Vishay-Dale	RES, 0, 5%, 0.125 W, 0805	0805
R7, R8, R9, R29, R30, R39, R82, R83, R84, R100, R101, R102	12	191	CRCW0805191RFKEA	Vishay-Dale	RES, 191, 1%, 0.125 W, 0805	0805
R10, R11, R12, R31, R32, R40, R79, R80, R81, R97, R98, R99	12	1.00	CRCW08051R00FKEA	Vishay-Dale	RES, 1.00, 1%, 0.125 W, 0805	0805
R16, R17, R18, R35, R36, R42, R73, R74, R75, R91, R92, R93	12	10.0	CRCW080510R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.125 W, 0805	0805
R19, R43, R44, R55, R56, R57	6	20.0k	RG1608P-203-B-T5	Susumu Co Ltd	RES, 20.0 k, 0.1%, 0.1 W, 0603	0603
R20, R23, R45, R47, R53, R54, R58, R60, R62, R70, R71, R72	12	49.9k	RG1608P-4992-B-T5	Susumu Co Ltd	RES, 49.9 k, 0.1%, 0.1 W, 0603	0603
R21, R49, R51, R64, R66, R68	6	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R22, R50, R52, R65, R67, R69	6	499	RG1608P-4990-B-T5	Susumu Co Ltd	RES, 499, 0.1%, 0.1 W, 0603	0603
R77, R78, R86, R87, R94, R95, R96, R103, R104, R108	10	1.00k	ERJ-P06F1001V	Panasonic	RES, 1.00 k, 1%, 0.25 W, 0805	0805
TP1, TP2, TP3, TP4, TP5, TP6	6	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
U1, U2, U3, U5, U6, U7	6		THS4551IDGKR	Texas Instruments	Low Power, Precision, 160MHz, Fully Differential Amplifier, DGK0008A	DGK0008A
U4, U8, U9, U10, U11, U12	6		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
C10, C11, C12, C25, C26, C27, C46, C47, C56, C57, C61, C68	0	16pF	GRM1885C2A160JA01D	MuRata	CAP, CERM, 16 pF, 100 V, +/- 5%, C0G/NP0, 0603	0603
FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
R24, R46, R48, R59, R61, R63	0	49.9k	RG1608P-4992-B-T5	Susumu Co Ltd	RES, 49.9 k, 0.1%, 0.1 W, 0603	0603

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