

Bill of Materials

Source Data From:

TIDA-01519.PrjPcb

Project:

TIDA-01519.PrjPcb

Variant:

001

Footprint	Comment	LibRef	Designator	Description	Quantity
0402	C1005X7R1H104K050BB	CMP-0006297-1	C2, C13, C57	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0402	3
0402	C1005X7R1C103K050BA	CMP-0006292-2	C4, C33, C58	CAP, CERM, 0.01 uF, 16 V, +/- 10%, X7R, 0402	3
0402	C0402C101J3GACTU	CMP-0006233-1	C5, C35	CAP, CERM, 100 pF, 25 V, +/- 5%, C0G/NP0, 0402	2
0603	C1608X5R0J226M080AC	CMP-0007001-1	C6, C36, C40, C42	CAP, CERM, 22 uF, 6.3 V, +/- 20%, X5R, 0603	4
0201_055	GRM035R60J405MEBQ	CMP-0064910-1	C9	CAP, CERM, 4 uF, 6.3 V, +/- 20%, X5R, 0201	1
0201	GRM033R71C102KA01D	CMP-0009745-1	C10	CAP, CERM, 1000 pF, 16 V, +/- 10%, X7R, 0201	1
0201	GRM033R71A822KA01D	CMP-0009743-1	C11	CAP, CERM, 8200 pF, 10 V, +/- 10%, X7R, 0201	1
0402	GRM155R71C183KA01D	CMP-0006645-2	C12	CAP, CERM, 0.018 uF, 16 V, +/- 10%, X7R, 0402	1
0402L	GJM1555C1HR60BB01D	CMP-0006369-2	C16	CAP, CERM, 0.6pF, 50 V, +/- 18%, C0G/NP0, 0402	1
0402L	GRM1555C1H1R0CA01D	CMP-0006427-2	C17	CAP, CERM, 1 pF, 50 V, +/- 5%, C0G/NP0, 0402	1
0402L	GRM1555C1H3R6CA01D	CMP-0006463-2	C18, C23	CAP, CERM, 3.6 pF, 50 V, +/- 5%, C0G/NP0, 0402	2
0402L	GRM1555C1H101JA01D	CMP-0006410-1	C19, C25	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0402	2
0402L	GRM1555C1H2R7CA01D	CMP-0006450-2	C20	CAP, CERM, 2.7 pF, 50 V, +/- 5%, C0G/NP0, 0402	1
0402L	GRM1555C1H6R2CA01D	CMP-0006487-2	C21	CAP, CERM, 6.2 pF, 50 V, +/- 5%, C0G/NP0, 0402	1
0402L	GRM1555C1H3R3CA01D	CMP-0006462-2	C22	CAP, CERM, 3.3 pF, 50 V, +/- 5%, C0G/NP0, 0402	1
0603	GRM188R70J105KA01D	CMP-0007360-2	C24	CAP, CERM, 1 uF, 6.3 V, +/- 10%, X7R, 0603	1
0402	CL05B222JB5NNNC	CMP-0006344-2	C26, C27	CAP, CERM, 2200 pF, 50 V, +/- 5%, X7R, 0402	2
0402	GRM1555C1E120JA01D	CMP-0006375-2	C28, C29, C30, C31	CAP, CERM, 12 pF, 25 V, +/- 5%, C0G/NP0, 0402	4
0603	885012206052	CMP-0006831-1	C32	CAP, CERM, 1 uF, 16 V, +/- 10%, X7R, 0603	1
0402	C0402C102K5RACTU	CMP-0006235-2	C34	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0402	1
0402L	GRM155R70J104KA01D	CMP-0006623-2	C37, C38, C39, C41, C43, C44,	CAP, CERM, 0.1 uF, 6.3 V, +/- 10%, X7R, 0402	7
0402	GRM155R61A104KA01D	CMP-0006562-2	C46	CAP, CERM, 0.1 uF, 10 V, +/- 10%, X5R, 0402	1
0603	GRM188R71A224KA01D	CMP-0007369-2	C47	CAP, CERM, 0.22 uF, 10 V, +/- 10%, X7R, 0603	1
2220_200	GRM55DR72E105KW01L	CMP-0009465-2	C48, C49	CAP, CERM, 1 uF, 250 V, +/- 10%, X7R, 2220	2

SM_RADIAL_6.3AMM	UUD1A101MCL1GS	CMP-0011108-1	C50	CAP, AL, 100 uF, 10 V, +/- 20%, 0.44 ohm, SMD	1
0805_HV	C2012X5R1A476M125AC	CMP-0007825-2	C51	CAP, CERM, 47 uF, 10 V, +/- 20%, X5R, 0805	1
0603	GRM188R60J105KA01D	CMP-0007302-2	C52, C53	CAP, CERM, 1 uF, 6.3 V, +/- 10%, X5R, 0603	2
1206_190	C3216X5R1A107M160AC	CMP-0008649-1	C54	CAP, CERM, 100 uF, 10 V, +/- 20%, X5R, 1206_1	1
0603	C1608X5R1A106M080AC	CMP-0007003-2	C55	CAP, CERM, 10 uF, 10 V, +/- 20%, X5R, 0603	1
0603	C1608X7R1C105K080AC	CMP-0007037-2	C56	CAP, CERM, 1 uF, 16 V, +/- 10%, X7R, 0603	1
0402_065	CMP-0006204-2	CMP-0006204-2	C59, C62	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X5R, 0402	2
0402	GRM155R61A105KE15D	CMP-0006563-2	C60, C63	CAP, CERM, 1 uF, 10 V, +/- 10%, X5R, 0402	2
0402	CMP-0006467-2	CMP-0006467-2	C61	CAP, CERM, 47 pF, 50 V, +/- 1%, C0G/NP0, 0402	1
0402	CMP-0006313-2	CMP-0006313-2	C64	CAP, CERM, 0.015 uF, 25 V, +/- 10%, X7R, AEC-	1
WL-SMCW_GREEN	150060VS75000	CMP-0002894-1	D1	LED, Green, SMD	1
WL-SMCW_YELLOW	150060YS75000	CMP-0002892-2	D2	LED, Yellow, SMD	1
WL-SMCW_RED	150060RS75000	CMP-0002947-1	D3	LED, Red, SMD	1
MINI-SMA	CGRM4007-G	CMP-0029018-1	D4, D8	Diode, P-N, 1000 V, 1 A, MINI-SMA	2
DO-41	UF4004TA	CMP-0029185-1	D5, D7	Diode, Ultrafast, 400 V, 1 A, TH	2
WL-SMCW_Blue	150060BS75000	CMP-0002946-2	D6	LED, Blue, SMD	1
ANTENNA_HELICAL	ANTENNA_HELICAL	CMP-0001735-1	E1	PCB Antenna. There is nothing to buy or mount.	1
Bumpon_SJ5003Black	SJ-5003 (BLACK)	CMP-0003619-1	H1, H2, H3, H4	Bumpon, Hemisphere, 0.44 X 0.20, Black	4
WURTH_61300311121	61300311121	CMP-0054796-1	J1	Header, 2.54 mm, 3x1, Gold, TH	1
Samtec_HTSW-102-09-x-S	HTSW-102-09-G-S	CMP-0075626-1	J2, J3, J4, J10, J11	Header, 100mil, 2x1, Gold, TH	5
Sullins_Gxx03SAAN	GBC03SAAN	CMP-0054577-1	J5	Header, 2.54 mm, 3x1, Gold, TH	1
Phoenix_1725669	1725669	CMP-0055500-1	J6	Terminal Block, 3x1, 2.54 mm, TH	1
Linx_CONSMA001-SMD-G	CONSMA001-SMD-G	CMP-0055834-1	J7	Jack, SMA, PCB, Gold, SMT	1
CONN_GRPB052VWVN-RC	GRP B052VWVN-RC	CMP-0002340-1	J8	Header, 50mil, 5x2, Gold, TH	1
Samtec_HTSW-102-09-x-S	CMP-0075626-1	CMP-0075626-1	J9	Header, 100mil, 2x1, Gold, TH	1
Wurth_691214310002	691214000000	CMP-0054822-1	J12, J13	Terminal Block, 2x1, 3.81mm, 24-16 AWG, 10A, 3	2
0603	BLM18HE152SN1D	CMP-0003349-1	L1, L8	Ferrite Bead, 1500 ohm @ 100 MHz, 0.5 A, 0603	2
LQW15A_00_10	LQW15AN11NG00D	CMP-0058773-1	L2	Inductor, Wirewound, 11 nH, 0.5 A, 0.14 ohm, SM	1
LQW15A_00_10	LQW15AN7N5G00D	CMP-0058805-1	L3, L7	Inductor, Wirewound, 7.5 nH, 0.57 A, 0.13 ohm, S	2
LQW15A_00_10	LQW15AN6N8G00D	CMP-0058802-1	L4, L5	Inductor, Wirewound, 6.8 nH, 0.7 A, 0.09 ohm, SM	2
LQW15A_00_10	LQW15AN18NJ00D	CMP-0058782-1	L6	Inductor, Wirewound, 18 nH, 0.37 A, 0.27 ohm, SF	1
0805L	MLZ2012N6R8LT000	CMP-0062727-1	L9	Inductor, Multilayer, Ferrite, 6.8 uH, 0.11 A, 0.25 c	1
SDR0302	SDR0302-102KL	CMP-0055905-1	L10	Inductor, Drum Core, Ferrite, 1 mH, 0.07 A, 26 oh	1

SRR7045	SRR7045-681M	CMP-0056467-1	L11	Inductor, Drum Core, Ferrite, 680 uH, 0.2 A, 1.6 o	1
Label_650x200	THT-14-423-10	CMP-0003625-1	LBL1	Thermal Transfer Printable Labels, 0.650" W x 0.2	1
SOT-23	SI2323DS	CMP-0000092-1	Q2	MOSFET, P-CH, -20 V, -3.7 A, SOT-23	1
0201	RC0201DR-072KL	CMP-0028171-1	R7	RES, 2.00 k, 0.5%, 0.05 W, 0201	1
0201	RC0201DR-0710KL	CMP-0028133-1	R8	RES, 10.0 k, 0.5%, 0.05 W, 0201	1
0402	CRCW04021K13FKED	CMP-0026076-2	R9	RES, 1.13 k, 1%, 0.063 W, 0402	1
0201	RC0201FR-7D1K74L	CMP-0027972-1	R10	RES, 1.74 k, 1%, 0.05 W, 0201	1
0603	RT0603DRE0745K3L	CMP-0025303-2	R11	RES, 45.3 k, 0.5%, 0.1 W, 0603	1
0603	RC0603FR-07226KL	CMP-0022921-1	R12	RES, 226 k, 1%, 0.1 W, 0603	1
0603	CRCW0603432KFKEA	CMP-0022420-2	R13	RES, 432 k, 1%, 0.1 W, 0603	1
0402L	CRCW04020000Z0ED	CMP-0026822-1	R14, R15	RES, 0, 5%, 0.063 W, 0402	2
0201	RC0201JR-0791RL	CMP-0027180-3	R16, R17, R23	RES, 91, 5%, 0.05 W, 0201	3
0201	RC0201FS-7D100RL	CMP-0028070-1	R18	RES, 100, 1%, 0.05 W, 0201	1
0402	CRCW040247K5FKED	CMP-0026395-1	R19, R20	RES, 47.5 k, 1%, 0.063 W, 0402	2
0402	CRCW040229K4FKED	CMP-0026225-1	R21	RES, 29.4 k, 1%, 0.063 W, 0402	1
0402	CRCW040210K0FKED	CMP-0025958-2	R22	RES, 10.0 k, 1%, 0.063 W, 0402	1
0402	CRCW04028K66FKED	CMP-0026591-1	R24	RES, 8.66 k, 1%, 0.063 W, 0402	1
0402	CMP-0026162-1	CMP-0026162-1	R25, R26, R29	RES, 20.0 k, 1%, 0.063 W, 0402	3
0402	CMP-0026178-1	CMP-0026178-1	R27	RES, 22.1 k, 1%, 0.063 W, 0402	1
0402	CMP-0026158-1	CMP-0026158-1	R28	RES, 200 k, 1%, 0.063 W, 0402	1
0402	CMP-0026227-1	CMP-0026227-1	R30	RES, 2.00 k, 1%, 0.063 W, 0402	1
0402	CMP-0026298-1	CMP-0026298-1	R31, R36	RES, 33.2 k, 1%, 0.063 W, 0402	2
0805_HV	CRCW08050000Z0EA	CMP-0020442-1	R32	RES, 0, 5%, 0.125 W, 0805	1
0805_HV	ERJ-6GEY0R00V	CMP-0020616-2	R33, R34, R35	RES, 0, 5%, 0.125 W, 0805	3
0805_HV	RMCF0805JT15M0	CMP-0020831-2	R38	RES, 15 M, 5%, 0.125 W, AEC-Q200 Grade 0, 08	1
0603	CRCW06033M65FKEA	CMP-0022392-2	R39	RES, 3.65 M, 1%, 0.1 W, 0603	1
AC03	AC03000001009JACCS	CMP-0014284-2	RF1	RES, 10, 5%, 3 W, TH, 2-Leads, Axial, Dia 5.5mm	1
SW_B3U-1000P	B3U-1000P	CMP-0002150-2	S1, S2	SWITCH TACTILE SPST-NO 0.05A 12V	2
SNT-100-BK-G	969102-0000-DA	969102-0000-DA	SH-J1, SH-J2, SH-J3, SH-J4,	Shunt, 100mil, Gold plated, Black	8
Keystone_5019	VDDS	CMP-0055162-1	TP1	Test Point, Miniature, SMT	1
Keystone_5019	VDDR	CMP-0055162-1	TP2	Test Point, Miniature, SMT	1
Keystone_5019	5019	CMP-0055162-1	TP3, TP6, TP7, TP8, TP12,	Test Point, Miniature, SMT	7
Keystone_5019	OP+3V3	CMP-0055162-1	TP4	Test Point, Miniature, SMT	1

Keystone_5019	GND	CMP-0055162-1	TP5, TP11	Test Point, Miniature, SMT	2
Keystone_5019	USR_BTN	CMP-0055162-1	TP9	Test Point, Miniature, SMT	1
Keystone_5019	ADC_IN	CMP-0055162-1	TP10	Test Point, Miniature, SMT	1
Keystone_5019	LDO_IN	CMP-0055162-1	TP15	Test Point, Miniature, SMT	1
DGK0008A_L	TLV2313IDGKR	CMP-0076753-1	U1	Low-Power, Rail-to-Rail In/Out, 500-uV Typical Of	1
InvenSense_ICS-40300	ICS-40300	CMP-0076754-1	U2	High SPL Analog Microphone with Extended Low	1
RGZ0048A_NV	CC1310F128RGZR	CMP-0076688-1	U5	SimpleLink(TM) Sub-1 GHz Ultra-Low Power Wire	1
DPY0002A	TPD1E10B06DPYR	CMP-0043093-1	U6, U7, U8, U9	ESD in 0402 Package with 10 pF Capacitance and	4
D0007A_N	UCC28881DR	CMP-0074092-1	U10	700-V Lowest Quiescent Current Off-Line Switche	1
DRV0006A	TPS780330220DRVR	CMP-0036008-5	U11	Single Output Dual Level Fixed LDO, 150 mA, Fix	1
DDC0006A_N	TPS27081ADDCR	CMP-0066662-2	U12, U14	1.2V - 8V, 3A PFET High Side Load Switch w/ Lev	2
DGK0008A_N	LM2903DGKR	CMP-0065406-1	U13	Dual Differential Comparator, DGK0008A (VSSOF	1
Epson_FC-12M	FC-12M 32.7680KA-A3	CMP-0004587-1	Y1	Crystal, 32.768 kHz, 12.5pF, SMD	1
TXC_8Q	8Q-24.000MEEV-T	CMP-0004625-2	Y2	Crystal, 24 MHz, 8 pF, SMD	1

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