

# Part List

## Bill of Materials For TIDA-01596

Source Data From:

TIDA-01596.PrjPcb

Project:

TIDA-01596.PrjPcb

Variant:

001

Designator	Comment	LibRef	Footprint	Description
!PCB1	Printed Circuit Board	PCB		Printed Circuit Board
C1	T495C337K004ATE700	T495C337K004ATE700	6032-28	CAP, TA, 330 µF, 4 V, +/- 10%, 0.7 ohm, SMD
C2, C7	C0603X5R0J104K030BC	CMP-0009634-3	0201	CAP, CERM, 0.1 uF, 6.3 V, +/- 10%, X5R, 0201
C3	CL03A474KQ3NNNC	CMP-0009658-3	0201_033	CAP, CERM, 0.47 uF, 6.3 V, +/- 10%, X5R,
C4, C8	CL03A104KP3NNNC	CMP-0009655-3	0201	CAP, CERM, 0.1 uF, 10 V, +/- 10%, X5R, 0201
C5, C9	GRM033R61A152KA01D	CMP-0009705-2	0201	CAP, CERM, 1500 pF, 10 V, +/- 10%, X5R,
C6	GRM155R60J224KE01D	CMP-0006542-2	0402	CAP, CERM, 0.22 uF, 6.3 V, +/- 10%, X5R,
C12, C13, C14,	GRM033R60J103KA01D	CMP-0009689-3	0201	CAP, CERM, 0.01 uF, 6.3 V, +/- 10%, X5R,
FID1, FID2, FID3	Fiducial	Fiducial	Fiducial10-20	Fiducial mark. There is nothing to buy or mount.
H1, H2, H3, H4	NY PMS 440 0025 PH	NY PMS 440 0025 PH	NY PMS 440 0025 PH	Machine Screw, Round, #4-40 x 1/4, Nylon,
H5, H6, H7, H8	1902C	1902C	Keystone_1902C	Standoff, Hex, 0.5"L #4-40 Nylon
J1, J2, J3, J4, J6	61300211121	61300211121	WURTH_61300211121	Header, 2.54 mm, 2x1, Gold, TH
LBL1	Size: 0.65" x 0.20 "	THT-14-423-10	Label_650x200	Thermal Transfer Printable Labels, 0.650" W x
LEFT1	SSQ-110-03-T-D	BoosterPack_40pin_J1J3	BoosterPack_40pin_J1J3	Receptacle, 2.54mm, 10x2, Tin, TH
R1	CRCW020156K0FKED	CMP-0027281-2	0201	RES, 56.0 k, 1%, 0.05 W, 0201
R2, R4	RC0201JR-071R1L	CMP-0027060-3	0201	RES, 1.1, 5%, 0.05 W, 0201
R3	LVK24R050DER	CMP-0015394-2	LVK24	RES, 0.05, 0.5%, 1 W, 2412
R5, R6	RC0201FR-0724R9L	CMP-0027519-1	0201	RES, 24.9, 1%, 0.05 W, 0201
R7	AC07000002009JAC00	CMP-0014285-2	RESAD3200W80L2600D750	RES, 20, 5%, 7 W, Axial resistor
R8, R9	ERJ-1GE0R00C	CMP-0027011-3	0201	RES, 0, 5%, 0.05 W, 0201
RIGHT1	SSQ-110-03-T-D	BoosterPack_40pin_J2J4	BoosterPack_40pin_J2J4	Receptacle, 2.54mm, 10x2, Tin, TH
SH-J1, SH-J2,	60900213521	CMP-0003762-1	Wurth_60900213521	Shunt, 2.54mm, Gold, Red
TP1, TP2, TP3,	S1751-46	CMP-0075188-1	Harwin_S1751-46	Test Lead clips and hooks, SMT
U1	INA230AIRGTR	CMP-0075743-2	RGT0016C	28-V, Bi-Directional, Zero-Drift, Low-/High-Side,
U2, U4	TMP235DBZ	CMP-0013240-2	DBZ0003A_N	TMP235DBZ, DBZ0003A (SOP-3)
U3	ADS7142IRUGR	CMP-0065258-3	RUG0010A	Nanopower, Ultra-Small Size, Sensor Monitor
U6, U7, U8, U9,	LMT84LPGM	CMP-0013527-2	LPG0003A	Analog Temperature Sensor with Class-AB