

Variant: 001  
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TIDA-010947 REV E1.2 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	PCB	1		TIDA-010947	Any	Printed Circuit Board	
2	C1, C8, C10, C11, C15	5	100nF	LMK063BJ104KP-F	Taiyo Yuden	CAP CER 0.1UF 10V X5R 0201	0201
3	C2	1	0.47uF	CL03A474KQ3NNNC	Samsung Electro-Mechanics	CAP, CERM, 0.47 uF, 6.3 V, +/- 10%, X5R, 0201	0201
4	C3, C6	2	10uF	ZRB15XC80J106ME05D	Murata	10uF ±20% 6.3V Ceramic Capacitor X6S 0402 (1005 Metric)	0402
5	C4, C5, C9	3	1uF	CL03A105MP3NSNC	Samsung Electro-Mechanics	CAP, CERM, 1 uF, 10 V, +/- 20%, X5R, 0201	0201
6	C7	1	0.01uF	GRM033R60J103KA01D	MuRata	CAP, CERM, 0.01 uF, 6.3 V, +/- 10%, X5R, 0201	0201
7	C12, C24, C25	3		JMK063BC6105MP-F	Taiyo Yuden	1uF ±20% 6.3V Ceramic Capacitor X6S 0201 (0603 Metric)	0201
8	C13, C14	2	330pF	CGA1A2X7R1H331K030BA	TDK	CAP, CERM, 330 pF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0201	0201
9	C16, C17	2	1000pF	CGA2B2X8R1H102K050BA	TDK	CAP, CERM, 1000 pF, 50 V, +/- 10%, X8R, AEC-Q200 Grade 0, 0402	0402
10	C18, C19	2	10pF	C0402C100K4GACTU	Kemet	CAP, CERM, 10 pF, 16 V, +/- 10%, C0G, 0402	0402
11	C20, C21, C22, C23	4	5pF	GRM1555C1H5R0CA01D	MuRata	CAP, CERM, 5 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
12	FB1	1		MPZ1005S121HT000	TDK	FERRITE BEAD 120 OHM 0402 1LN	0402
13	J1	1		SM05B-SRSS-TB(LF)(SN)	JST Manufacturing	Header (Shrouded), 1 mm, 5x1, Tin, R/A, SMT	Header (Shrouded), 1 mm, 5x1, R/A, SMT
14	R1, R3, R6, R10	4	0	RC0402JR-070RL	Yageo America	RES, 0, 5%, 0.063 W, 0402	0402
15	R2	1	47.0k	RK73H1HTTC4702F	KOA Speer	RES, 47.0 k, 1%, 0.05 W, AEC-Q200 Grade 0, 0201	0201
16	R4	1	0	ERJ-1GN0R00C	Panasonic	RES, 0, 5%, .05 W, AEC-Q200 Grade 0, 0201	0201
17	R5	1	100k	RG1005P-104-B-T5	Susumu Co Ltd	RES, 100 k, 0.1%, 0.063 W, 0402	0402
18	R7, R9, R15, R22	4	100k	RC0201DR-07100KL	Yageo America	RES, 100 k, 0.5%, 0.05 W, 0201	0201
19	R8, R13, R17, R19, R20, R21, R23, R24	8	10k	RT0402BRB0710KL	Yageo	10 kOhms ±0.1% 0.063W, 1/16W Chip Resistor 0402 (1005 Metric) Thin Film	0402
20	R11, R18	2	100	RMCF0402JT100R	Stackpole Electronics Inc	RES, 100, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
21	R12, R16	2	5.00k	PNM0402E5001BST1	Vishay-Dale	RES, 5.00 k, 0.1%, 0.05 W, 0402	0402
22	R25	1	10.0k	RC0201DR-0710KL	Yageo America	RES, 10.0 k, 0.5%, 0.05 W, 0201	0201
23	TP1, TP2	2		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
24	U1	1		TPS7A0533PYKAR	Texas Instruments	1µA, ultra-low Iq, 200mA low-dropout (LDO) regulator in a small-size package, YKA0004AAAA (DSBGA-4)	YKA0004AAAA
25	U2	1		MSPM0G3507SRHB	Texas Instruments	Mixed-Signal Microcontrollers with CAN-FD Interface, VQFN32	VQFN32
26	U3	1		REF35330QDBVR	Texas Instruments	650-nA quiescent current, 12-ppm/°C drift, ultra-low-power precision voltage reference 6-SOT-23 -40 to 125	SOT23-6
27	U4	1		TMAG6180EDGKRQ1	Texas Instruments	Hall Effect Magnetic Sensor VSSOP8	VSSOP8
28	U6	1		TLV9062IDSGR	Texas Instruments	10-MHz, Low-Noise, RRIO, CMOS Operational Amplifier for Cost-Sensitive Systems, DSG0008A (WSON-8)	DSG0008A
29	U7	1		THVD1454DRC	Texas Instruments	THVD1454DRC	VSON10
30	U8	1		TXU0101DTQR	Texas Instruments	Single-Bit Fixed Direction Voltage-Level Translator with Schmitt-Trigger Inputs and 3-State Outputs	X2SON6

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