

TIDA-00907 REV E2 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
PCB1	1		TIDA-00907	Any	Printed Circuit Board	
C1, C8, C9, C10, C20, C22	6	1uF	C0603C105K3RACTU	Kemet	CAP, CERM, 1 μ F, 25 V, +/- 10%, X7R, 0603_095	0603_095
C2, C3, C4, C14, C15, C16	6	1000pF	06031C102JAT2A	AVX	CAP, CERM, 1000 pF, 100 V, +/- 5%, X7R, 0603	0603
C5, C6, C7	3	0.01uF	C2012C0G1E103J	TDK	CAP, CERM, 0.01 μ F, 25 V, +/- 5%, C0G/NP0, 0805	0805
C11, C12, C13, C21, C23	5	0.1uF	885012205037	Wurth Elektronik	CAP, CERM, 0.1 μ F, 16 V, +/- 10%, X7R, 0402	0402
C17	1	0.1uF	GRM188R71C104KA01D	MuRata	CAP, CERM, 0.1 μ F, 16 V, +/- 10%, X7R, 0603	0603
C18	1	1uF	C0603C105K3RACTU	Kemet	CAP, CERM, 1 μ F, 25 V, +/- 10%, X7R, 0603	0603
C19	1	10uF	GRM21BR61C106KE15L	MuRata	CAP, CERM, 10uF, 16V, +/-10%, X5R, 0805	0805
D1, D2	2	Green	150060GS75000	Wurth Elektronik	LED, Green, SMD	LED_0603
J1	1		TSW-110-25-T-D-RA	Samtec	Header, 2.54mm, 10x2, Tin, R/A, TH	Header, 2.54mm, 10x2, R/A, TH
J2, J3, J4, J5, J6	5		TMM-102-01-F-S	Samtec	Header, 2mm, 2x1, Gold, TH	Header, 2mm, 2x1, TH
R1, R16, R20, R22, R28, R29, R30	7	0	ERJ-3GEY0R00V	Panasonic	RES, 0, 5%, 0.1 W, 0603	0603
R2	1	200k	CRCW0603200KFKEA	Vishay-Dale	RES, 200 k, 1%, 0.1 W, 0603	0603
R3, R4, R5, R9, R10, R11	6	27.1	RT0603DRE0727R1L	Yageo America	RES, 27.1, 0.5%, 0.1 W, 0603	0603
R15, R18, R19, R24, R25, R26	6	20.0	RC0603FR-0720RL	Yageo America	RES, 20.0, 1%, 0.1 W, 0603	0603
R32, R37	2	750	CRCW0603750RJNEA	Vishay-Dale	RES, 750, 5%, 0.1 W, 0603	0603
U1, U2, U3	3		ADS1203IPWT	Texas Instruments	Motor Control, Current Measurement, 1-Bit, 10MHz, 2nd-Order, Delta-Sigma Modulator, PW0008A	PW0008A
U4	1		TLV1117LV33DCYR	Texas Instruments	Single Output LDO, 1 A, Fixed 3.3 V Output, 2 to 5.5 V Input, 4-pin SOT-223 (DCY), -40 to 125 degC, Green (RoHS & no Sb/Br)	DCY0004A
U5	1		LSF0108PWR	Texas Instruments	8 Channel Bidirectional Multi-Voltage Level Translator for Open-Drain and Push-Pull Application, PW0020A	PW0020A
R17, R21, R23, R34, R35, R36	0	10k	RC0603JR-0710KL	Yageo America	RES, 10 k, 5%, 0.1 W, 0603	0603