

TIDA-01141 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
PCB1	1		TIDA-01141	Any	Printed Circuit Board	
C1, C6	2	1uF	C0603C105K8PACTU	Kemet	CAP, CERM, 1 μ F, 10 V, +/- 10%, X5R, 0603	0603
C3, C8, C9, C10	4	1000pF	06031C102JAT2A	AVX	CAP, CERM, 1000 pF, 100 V, +/- 5%, X7R, 0603	0603
C4, C5	2	0.1uF	GRM188R71C104KA01D	MuRata	CAP, CERM, 0.1 μ F, 16 V, +/- 10%, X7R, 0603	0603
C7	1	0.01uF	06031C103JAT2A	AVX	CAP, CERM, 0.01 μ F, 100 V, +/- 5%, X7R, 0603	0603
J1	1		TSW-106-08-G-S-RA	Samtec	Header, 100mil, 6x1, Gold, R/A, TH	6x1 R/A Header
R1	1	5.11k	RC0603FR-075K11L	Yageo America	RES, 5.11 k, 1%, 0.1 W, 0603	0603
R2	1	24.3k	CRCW060324K3FKEA	Vishay-Dale	RES, 24.3 k, 1%, 0.1 W, 0603	0603
R3	1	14.3k	CRCW060314K3FKEA	Vishay-Dale	RES, 14.3 k, 1%, 0.1 W, 0603	0603
R4	1	4.12k	CRCW06034K12FKEA	Vishay-Dale	RES, 4.12 k, 1%, 0.1 W, 0603	0603
R5	1	1.00k	CRCW08051K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.125 W, 0805	0805
R7, R9	2	4.75	CRCW06034R75FKEA	Vishay-Dale	RES, 4.75, 1%, 0.1 W, 0603	0603
R10	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R11, R13	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R12, R14	2	3.32Meg	CRCW06033M32FKEA	Vishay-Dale	RES, 3.32 M, 1%, 0.1 W, 0603	0603
R15	1	3.32k	CRCW06033K32FKEA	Vishay-Dale	RES, 3.32 k, 1%, 0.1 W, 0603	0603
U1	1		INA240A2PW	Texas Instruments	Wide Common-Mode Range, Voltage Output, High or Low-Side Bi-Directional Zero-Drift Current Shunt Monitor, PW0008A	PW0008A
U2	1		LM393AD	Texas Instruments	Dual Comparator, D0008A	D0008A
U?	1		LM4041A12IDBZR	Texas Instruments	Precision Micropower Shunt Voltage Reference, 0.1% accuracy, 1.2 V, 15 ppm / degC, 12 mA, -40 to 85 degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br)	DBZ0003A

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