

TIDA-010050 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB	1		TIDA-010050	Any	Printed Circuit Board	
C1, C2, C14	3	1uF	GRM155C81A105KA12D	MuRata	CAP, CERM, 1 uF, 10 V, +/- 10%, X6S, 0402	0402
C3, C4, C15	3	680pF	GRM155R71H681KA01D	MuRata	CAP, CERM, 680 pF, 50 V, +/- 10%, X7R, 0402	0402
C5, C6, C9, C10, C11, C12, C16, C17, C18	9	100pF	GRM1555C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
C7, C8, C19	3	390pF	GRM1555C1H391JA01D	MuRata	CAP, CERM, 390 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
C13	1	1000pF	GRM155R61H102KA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 10%, X5R, 0402	0402
J1, J2	2		SSQ-110-23-L-D	Samtec	Receptacle, 2.54mm, 10x2, Gold, TH	Receptacle, 2.54mm, 10x2, TH
J3	1		61300211121	Würth Elektronik	Header, 2.54 mm, 2x1, Gold, TH	Header, 2.54mm, 2x1, TH
L1, L2	2	235uH	GT1128-0	Gemphil Technologies	Inductor, 235uH, TH	D5.7mm
Q1, Q2, Q3	3	-12V	CSD23285F5	Texas Instruments	MOSFET, P-CH, -12 V, -3.3 A, YJK0003A (PICOSTAR-3)	YJK0003A
R1, R2, R15	3	47k	CRCW040247K0JNED	Vishay-Dale	RES, 47 k, 5%, 0.063 W, 0402	0402
R3, R4, R16	3	1.0k	CRCW04021K00JNED	Vishay-Dale	RES, 1.0 k, 5%, 0.063 W, 0402	0402
R5, R6, R19	3	470	CRCW0402470RJNED	Vishay-Dale	RES, 470, 5%, 0.063 W, 0402	0402
R7, R8, R9, R10, R17, R18	6	330k	CRCW0402330KJNED	Vishay-Dale	RES, 330 k, 5%, 0.063 W, 0402	0402
R11, R12, R13, R14, R20	5	0	MCR01MZPJ000	Rohm	RES, 0, 5%, 0.063 W, 0402	0402
U1	1		SN74AUP2G00DQER	Texas Instruments	Low-Power Dual 2-Input Positive-NAND Gate, DQE0008A, LARGE T&R	DQE0008A
U3	1		SN74AUP1T00DCKR	Texas Instruments	Low Power, 1.8/2.5/3.3-V In, 3.3-V CMOS Out, Single 2-Input Positive-NAND Gate, DCK0005A, LARGE T&R	DCK0005A

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