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 TID #: TIDA-01526

TIDA-01526 REV E1 Bill of Materials



Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	PCB1	1		TIDA-01526	Any	Printed Circuit Board	
2	C1, C3, C5, C6, C7, C9	6	4700pF	GCM155R71H472KA37D	MuRata	CAP, CERM, 4700 pF, 50 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
3	C2, C4, C8	3	0.1uF	GCM188R71H104KA57D	MuRata	CAP, CERM, 0.1 µF, 50 V,+/- 10%, X7R, 0603	0603
4	C10, C11	2	1uF	885012206026	Würth Elektronik	CAP, CERM, 1 µF, 10 V,+/- 10%, X7R, 0603	0603
5	C12, C13	2	0.1uF	GRM155R71C104JA88D	MuRata	CAP, CERM, 0.1 µF, 16 V,+/- 5%, X7R, 0402	0402
6	J1, J2, J3	3		M20-8770342	Harwin	Header, 2.54mm, 3x1, Gold, SMT	Header, 2.54mm, 3x1, SMT
7	J5, J6	2		SSW-110-23-F-D	Samtec	Connector, Receptacle, 100mil, 10x2, Gold plated, TH	10x2 Receptacle
8	J7	1		61000418221	Würth Elektronik	Header, 2.54mm, 4x1, Gold, SMT	Header, 2.54mm, 4x1, SMT
9	J8, J9	2		ED555/4DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 4x1, TH	14x8.2x6.5mm
10	LBL1	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650"H x 0.200"W
11	R1, R2, R7	3	47	CRCW040247R0JNED	Vishay-Dale	RES, 47, 5%, 0.063 W, 0402	0402
12	R3, R4, R8, R9, R12, R14	6	100	CRCW0402100RFKED	Vishay-Dale	RES, 100, 1%, 0.063 W, 0402	0402
13	R5, R6, R10, R17, R18, R19, R20, R21, R22, R23, R25	11	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
14	R11, R15, R16, R24	4	4.7k	CRCW04024K70JNED	Vishay-Dale	RES, 4.7 k, 5%, 0.063 W, 0402	0402
15	R13	1	2.00k	Y16362K00000F9R	Vishay Foil Resistors	RES, 2.00 k, 1%, 0.1 W, 0603, +/- 0.2 ppm/K	0603
16	U1	1		ADS122U04IPW	Texas Instruments	24-Bit, 4-Channel, 2-kSPS, Delta-Sigma ADC with UART Interface, PW0016A (TSSOP-16)	PW0016A
17	U2	1		LP5907MFX-2.8/NOPB	Texas Instruments	250-mA Ultra-Low-Noise, Low-IQ LDO, DBV0005A (SOT-23-5)	DBV0005A
18	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
19	R26	0	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402

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