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TIDA-00457 REV E2 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB1	1		TIDA-00457	Any	Printed Circuit Board	
2	C1, C3	2	2700pF	GRM155R72A272KA01D	MuRata	CAP, CERM, 2700pF, 100V, +/-10%, X7R, 0402	0402
3	C2	1	0.027uF	C0603C273K1RACTU	Kemet	CAP, CERM, 0.027uF, 100V, +/-10%, X7R, 0603	0603
4	C4, C5	2	0.22uF	GRM155R60J224KE01D	MuRata	CAP, CERM, 0.22uF, 6.3V, +/-10%, X5R, 0402	0402
5	C9, C18	2	4.7uF	C1005X5R0J475M050BC	TDK	CAP, CERM, 4.7uF, 6.3V, +/-20%, X5R, 0402	0402
6	C10	1	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1210	1210
7	C11, C13	2	330pF	GRM155R72A331KA01D	MuRata	CAP, CERM, 330pF, 100V, +/-10%, X7R, 0402	0402
8	C12	1	0.1uF	12061C104JAT2A	AVX	CAP, CERM, 0.1uF, 100V, +/-5%, X7R, 1206	1206
9	C14	1	2200pF	GRM155R70J222KA01D	MuRata	CAP, CERM, 2200pF, 6.3V, +/-10%, X7R, 0402	0402
10	C15	1	0.47uF	GRM155R60J474KE19D	MuRata	CAP, CERM, 0.47uF, 6.3V, +/-10%, X5R, 0402	0402
11	C16, C17	2	0.1uF	C1005X5R0J104K	TDK	CAP, CERM, 0.1uF, 6.3V, +/-10%, X5R, 0402	0402
12	D1	1	Yellow	LY L29K-J1K2-26-Z	OSRAM	LED, Yellow, SMD	LED, 1.3x0.65x0.8mm
13	D2	1	Green	LG L29K-G2J1-24-Z	OSRAM	LED, Green, SMD	1.7x0.65x0.8mm
14	J2	1		09 0431 212 04	Binder-Connector	M12 Socket, 4Pos, TH	M12 Conn D12x14.3
15	J3	1		850-10-004-40-001000	Mill-Max	Header, 4x1, 50mil, R/A, SMT	Header, 50mil, R/A,SMT
16	J4	1		09 3432 88 04	Binder-Connector	M12-A Socket, 4Pos, TH	M12-A Socket, 4Pos, TH
17	R1, R3	2	4.12k	RG1608P-4121-B-T5	Susumu Co Ltd	RES, 4.12k ohm, 0.1%, 0.1W, 0603	0603
18	R2	1	75.0	RN73C2A75RBTDF	TE Connectivity	RES, 75.0, 0.1%, 0.1 W, 0805	0805
19	R4	1	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0 ohm, 5%, 0.063W, 0402	0402
20	R5, R6, R8	3	47	CRCW040247R0JNED	Vishay-Dale	RES, 47 ohm, 5%, 0.063W, 0402	0402
21	R13, R14	2	820	CRCW0402820RJNED	Vishay-Dale	RES, 820 ohm, 5%, 0.063W, 0402	0402
22	R15	1	47k	CRCW040247K0JNED	Vishay-Dale	RES, 47k ohm, 5%, 0.063W, 0402	0402
23	R16	1	4.7k	CRCW04024K70JNED	Vishay-Dale	RES, 4.7k ohm, 5%, 0.063W, 0402	0402
24	S2	1		SKRKAEE010	Alps	Switch, Push Button, SMD	2.9x2x3.9mm SMD
25	U1	1		ADS1220IRVA	Texas Instruments	Low-Power, Low-Noise, 24-Bit Analog-to-Digital Converter for Small Signal Sensors, RVA0016A	RVA0016A
26	U2	1		SN65HVD101RGB	Texas Instruments	IO-LINK PHY for Device Nodes, RGB0020A	RGB0020A
27	U3	1		MSP430FR5738IRGE	Texas Instruments	24 MHz Mixed Signal Microcontroller, 1024 B SRAM and 17 GPIOs, -40 to 85 degC, RGE0024G	RGE0024G
28	J1	0		61300211121	Wurth Elektronik	Header, 2.54 mm, 2x1, Gold, TH	Header, 2.54mm, 2x1, TH

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265