

Variant: 001
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TIDA-00339 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		TIDA-00339	Any	Printed Circuit Board	
2	C1	1	4.7uF	GRM21BR71A475KA73L	MuRata	CAP, CERM, 4.7 µF, 10 V, +/- 10%, X7R, 0805	0805
3	C2	1	0.47uF	GRM21BR72A474KA73L	MuRata	CAP, CERM, 0.47 µF, 100 V, +/- 10%, X7R, 0805	0805
4	C3	1	4.7uF	C1005X5R0J475M050BC	TDK	CAP, CERM, 4.7 µF, 6.3 V, +/- 20%, X5R, 0402	0402
5	C4	1	0.1uF	12061C104JAT2A	AVX	CAP, CERM, 0.1 µF, 100 V, +/- 5%, X7R, 1206	1206
6	C5	1	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2 µF, 100 V, +/- 10%, X7R, 1210	1210
7	C7	1	330pF	GRM155R72A331KA01D	MuRata	CAP, CERM, 330 pF, 100 V, +/- 10%, X7R, 0402	0402
8	D1, D2, D10	3	Green	150060VS75000	Würth Elektronik eiSos	LED, Green, SMD	LED_0603
9	D3	1	200V	RF071M2S	Rohm	Diode, Ultrafast, 200 V, 1 A, SOD-123	SOD-123
10	D4, D5, D6	3	30V	SMAJ30CA	Littelfuse	Diode, TVS, Bi, 30 V, 400 W, SMA	SMA
11	D7, D8, D9	3	Yellow	150060YS75000	Würth Elektronik eiSos	LED, Yellow, SMD	LED_0603
12	FID1, FID2, FID3	3		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
13	J1, J2	2		61300211121	Würth Elektronik eiSos	Header, 2.54 mm, 2x1, Gold, TH	Header, 2.54mm, 2x1, TH
14	J3	1		43-01205	Conec	M12 Socket, Backmounting, 4Pos, Gold, R/A, TH	M12 Socket, Backmounting, 4Pos, R/A, TH
15	J4, J6, J7, J8, J9	5		61300311121	Würth Elektronik eiSos	Header, 2.54 mm, 3x1, Gold, TH	Header, 2.54mm, 3x1, TH
16	J5	1		61300411121	Würth Elektronik eiSos	Header, 2.54 mm, 4x1, Gold, TH	Header, 2.54mm, 4x1, TH
17	J10, J12	2		SSW-110-23-F-D	Samtec	Connector, Receptacle, 100mil, 10x2, Gold plated, TH	10x2 Receptacle
18	J11	1		61301021121	Würth Elektronik eiSos	Header, 2.54 mm, 5x2, Gold, TH	Header, 2.54mm, 5x2, TH
19	R1, R2, R8	3	68.1	CRCW040268R1FKED	Vishay-Dale	RES, 68.1, 1%, 0.063 W, 0402	0402
20	R3, R4, R9	3	0	CRCW08050000Z0EAHP	Vishay-Dale	RES, 0, 5%, 0.333 W, 0805	0805
21	R5, R6, R7	3	150	CRCW0402150RFKED	Vishay-Dale	RES, 150, 1%, 0.063 W, 0402	0402
22	R10	1	4.75k	CRCW08054K75FKEA	Vishay-Dale	RES, 4.75 k, 1%, 0.125 W, 0805	0805
23	R11	1	20k ohm	3224J-1-203 E	Bourns	TRIMMER, 20K, 0.25W, SMD	4.8x3.71x4.6mm
24	R12	1	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
25	S1, S2	2		434121025816	Würth Elektronik eiSos	Switch, Tactile, SPST, 12 V, SMD	SMD, 6x3.9mm
26	U1	1		TPS7A1633DRBR	Texas Instruments	60-V, 5-µA IQ, 100-mA, Low-Dropout Voltage Regulator with Enable and Power-Good, DRB0008B	DRB0008B
27	U2	1		SN65HVD102RGBR	Texas Instruments	IO-LINK PHY for Device Nodes, RGB0020A	RGB0020A
28	C6	0	330pF	GRM155R72A331KA01D	MuRata	CAP, CERM, 330 pF, 100 V, +/- 10%, X7R, 0402	0402

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