

Variant: 001
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TIDA-00992A REV Rev A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB1	1		TIDA-00992A	Any	Printed Circuit Board	
2	C1, C2	2	0.1uF	VJ1206Y104KBBAT4X	Vishay-Vitramon	CAP, CERM, 0.1 μ F, 100 V, +/- 10%, X7R, 1206	1206
3	C3	1	0.1uF	GRM188R72A104KA35J	MuRata	CAP, CERM, 0.1 μ F, 100 V, +/- 10%, X7R, 0603	0603
4	C4	1	4.7uF	GRM32ER71K475KE14L	MuRata	CAP, CERM, 4.7 μ F, 80 V, +/- 10%, X7R, 1210	1210
5	D1	1	28.2V	1.5SMC33CA-E3/57T	Vishay-Dale	Diode, TVS, Bi, 28.2 V, 1500 W, DO-214AB (no polarity)	DO-214AB (no polarity)
6	D2	1	70V	BAS 170W E6327	Infineon Technologies	Diode, Schottky, 70 V, 0.07 A, AEC-Q101, SOD-323	SOD-323
7	D3	1	Green	LNJ337W83RA	Panasonic	LED, Green, SMD	1.6x0.8mm
8	D4	1	60V	PMEG6010CEJ,115	NXP Semiconductor	Diode, Schottky, 60 V, 1 A, SOD-323F	SOD-323F
9	D5	1	9.1V	BZT52C9V1S-7-F	Diodes Inc.	Diode, Zener, 9.1 V, 200 mW, SOD-323	SOD-323
10	J1, J2, J3, J4	4		7693	Keystone	Terminal screw, vertical, snap-in	7693
11	J5	1		HTSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	Header, 100mil, 2x1, TH
12	Q1	1	100V	CSD19532Q5B	Texas Instruments	MOSFET, N-CH, 100 V, 17 A, SON 5x6mm	SON 5x6mm
13	Q2	1	60V	NTR5198NLT1G	ON Semiconductor	MOSFET, N-CH, 60 V, 1.7 A, SOT-23	SOT-23
14	R1, R2, R4	3	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
15	R3	1	20.0k	RG1608P-203-B-T5	Susumu Co Ltd	RES, 20.0 k, 0.1%, 0.1 W, 0603	0603
16	TP1, TP2	2		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
17	TP3, TP4	2		5004	Keystone	Test Point, Miniature, Yellow, TH	Yellow Miniature Testpoint
18	U1	1		LM5050Q1MKX-1/NOPB	Texas Instruments	High Side OR-ing FET Controller, DDC0006A	DDC0006A
19	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial

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