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TIDA-00946 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB1	1		TIDA-00946/7	Any	Printed Circuit Board	
2	C1	1	0.1uF	GRM188R70J104KA01D	MuRata	CAP, CERM, 0.1 µF, 6.3 V, +/- 10%, X7R, 0603	0603
3	C2	1	0.1uF	885012206071	Würth Elektronik	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X7R, 0603	0603
4	C3	1	10uF	GMK316AB7106KL	Taiyo Yuden	CAP, CERM, 10 µF, 35 V, +/- 10%, X7R, 1206	1206
5	C4, C5	2	22uF	GRM21BZ71A226ME15L	MuRata	CAP, CERM, 22 µF, 10 V, +/- 20%, X7R, 0805	0805
6	C6	1	22pF	GRM1885C1H220JA01D	MuRata	CAP, CERM, 22 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
7	J1	1		61300411021	Würth Elektronik	Header, 2.54 mm, 4x1, Gold, R/A, TH	Header, 2.54 mm, 4x1, R/A, TH
8	L1	1	22uH	THPC6045MF-220M	Tai-Tech	Inductor, Ferrite, 22 µH, 1.9 A, 0.096 ohm, SMD	6x6mm
9	R1	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
10	R2	1	562k	CRCW0603562KFKEA	Vishay-Dale	RES, 562 k, 1%, 0.1 W, 0603	0603
11	R3	1	200k	CRCW0603200KFKEA	Vishay-Dale	RES, 200 k, 1%, 0.1 W, 0603	0603
12	R4	1	51	CRCW060351R0JNEA	Vishay-Dale	RES, 51, 5%, 0.1 W, 0603	0603
13	R5	1	102k	CRCW0603102KFKEA	Vishay-Dale	RES, 102 k, 1%, 0.1 W, 0603	0603
14	R6	1	26.7k	CRCW0603267KFKEA	Vishay-Dale	RES, 26.7 k, 1%, 0.1 W, 0603	0603
15	U1	1		TPS54202DDCR	Texas Instruments	4.5-V TO 28-V INPUT, 2-A OUTPUT, EMI FRIENDLY SYNCHRONOUS STEP-DOWN CONVERTOR, DDC0006A	DDC0006A

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