

BOM of TIDA-01447

Designator	Description	Manufacturer	PartNumber	Quantity	
PCB	Printed Circuit Board	Any	TIDA-01447	1	Install
C1	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X7R, 0805	MuRata	GRM21BR71E104KA01L	1	Install
C2	CAP, CERM, 10 µF, 25 V, +/- 10%, X7R, 1206	MuRata	GRM31CR71E106KA12L	1	Install
C3, C4	CAP, CERM, 22 µF, 10 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206_190	MuRata	GCM31CR71A226KE02	2	Install
C5	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X7R, 0603	MuRata	GRM188R71E104KA01D	1	Install
C6	CAP, CERM, 100 pF, 25 V, +/- 10%, X7R, 0603	AVX	06033C101KAT2A	1	Install
C9	CAP, CERM, 22 µF, 25 V, +/- 20%, X5R, 1206_190	TDK	C3216X5R1E226M160AB	1	Install
J1	Header, 2.54 mm, 4x1, Gold, R/A, TH	Würth Elektronik	61300411021	1	Install
L1	Power Inductor, 6*6*2.8mm Max, 6.8uH, 20%, 2.94A, 45mΩ Max, SMD	Coilank	ABG06B28M6R8	1	Install
L2	Power Inductor, 3*3*1.5mm Max, 6.8uH, 20%, 0.88A, 193mΩ Max, SMD	Coilank	ABG03B15M6R8	1	Install
R2	RES, 47 k, 5%, 0.1 W, 0603	Vishay-Dale	CRCW060347K0JNEA	1	Install
R3	RES, 33.2 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060333K2FKEA	1	Install
R4	RES, 150 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW0603150KFKEA	1	Not install
R5	RES, 10.0 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060310K0FKEA	1	Install
U1	4.5-V TO 28-V INPUT, 2-A OUTPUT, EMI FRIENDLY SYNCHRONOUS STEP-DOWN CONVERTOR, DDC0006A	Texas Instruments	TPS561201DDCR	1	Install

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