TIDA-00949 Bill of Material



Designator	Description	Manufacturer	PartNumber	Quantity
!PCB	Printed Circuit Board	Any	TIDA-00949	1
C1	CAP, CERM, 0.1 μF, 25 V, +/- 10%, X7R, 0805	MuRata	GRM21BR71E104KA01L	1
C2	CAP, CERM, 10 µF, 25 V, +/- 10%, X7R, 1206	MuRata	GRM31CR71E106KA12L	1
C3, C4	CAP, CERM, 22 µF, 10 V, +/- 10%, X7R, AEC-Q200	MuRata	GCM31CR71A226KE02	2
	Grade 1, 1206_190			
C5	CAP, CERM, 0.1 μF, 25 V, +/- 10%, X7R, 0603	MuRata	GRM188R71E104KA01D	1
C6	CAP, CERM, 100 pF, 25 V, +/- 10%, X7R, 0603	AVX	06033C101KAT2A	1
J1	Header, 2.54 mm, 4x1, Gold, R/A, TH	Wurth Elektronik	61300411021	1
JP1, R3	RES, 100 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW0603100KFKEA	2
L1	Inductor, Shielded, Ferrite, 22 µH, 3.3 A, SMD	TAI-TECH ADVANCED	THPC6045MF-220M	1
		ELECTRONICS		
R1	RES, 0, 5%, 0.1 W, 0603	Vishay-Dale	CRCW06030000Z0EA	1
R2	RES, 510 k, 5%, 0.1 W, 0603	Vishay-Dale	CRCW0603510KJNEA	1
R4	RES, 118 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW0603118KFKEA	1
R5	RES, 22.0 k, 1%, 0.1 W, 0603	Yageo America	RC0603FR-0722KL	1
U1	4.5-V TO 28-V INPUT, 2-A OUTPUT, EMI FRIENDLY	Texas Instruments	TPS54202DDCR	1
	SYNCHRONUOUS STEP-DOWN CONVERTOR,			
	DDC0006A			

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