TIDA-01448
5V 1A DCDC module based on TPS561201

Designator	Description	Manufacturer	PartNumber	Quantity
PCB	Printed Circuit Board	Any	TIDA-01448	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
C9	CAP, CERM, 22 μF, 25 V, +/- 20%, X5R, 1206_190	TDK	C3216X5R1E226M160AB	1
J1	Header, 2.54 mm, 4x1, Gold, R/A, TH	Wurth Elektronik	61300411021	1
L1	Power Inductor,6*6*2.8mm	Coilank	ABG06B28M6R8	1
	Max,6.8uH,20%,2.94A,45mΩ Max,SMD			
L2	Power Inductor,3*3*1.5mm	Coilank	ABG03B15M6R8	1
	Max,6.8uH,20%,0.88A,193mΩ Max,SMD			
R2	RES, 47 k, 5%, 0.1 W, 0603	Vishay-Dale	CRCW060347K0JNEA	1
R3	RES, 56.2 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060356K2FKEA	1
R4	RES, 150 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW0603150KFKEA	1
R5	RES, 10.0 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060310K0FKEA	1
U1	4.5-V TO 28-V INPUT, 2-A OUTPUT, EMI FRIENDLY	Texas Instruments	TPS561201DDCR	1
	SYNCHRONUOUS STEP-DOWN CONVERTOR,			
	DDC0006A			

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