

Bill of Materials

Ultra Small Brushed DC Motor Current Regulation TI Reference Design

TIDA-00786

Item	Qty	Reference	Value	Part Description	Manufacturer	PCB Footprint
1	1	!PCB		Printed Circuit Board	Any	
2	1	C1	10uF	CAP, CERM, 10 μ F, 25 V, +/- 20%,	MuRata	0603
3	1	C2	0.1uF	CAP, CERM, 0.1 μ F, 25 V, +/- 20%, X7R, 0402	Taiyo Yuden	0402
4	1	C3	22uF	CAP, CERM, 22 μ F, 25 V, +/- 20%, X5R, 1210	AVX	1210
5	1	DRV8871		H-Bridge PWM Motor Driver with Internal Current Sense, DDA0008H	Texas Instruments	DDA0008H
6	1	J1		Connector, DC Jack 2.5 mm	CUI Inc.	15.2x11x9mm
7	1	J2		Header, 100mil, 2x1, TH	Mill-Max	Header, 2x1,
8	1	R1	51k	RES, 51 k, 5%, 0.063 W, 0402	Vishay-Dale	0402
9	1	R2	10k	RES, 10 k, 5%, 0.063 W, 0402	Vishay-Dale	0402
10	1	R3	200kohm	Potentiometer, 10K Ohm, 0.25W, TH	Bourns	9.53x9.53mm
11	1	R4	15k	RES, 15 k, 5%, 0.063 W, 0402	Vishay-Dale	0402

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