

# Bill of Materials

**TI DESIGNS**
**TIDA-00740**

Item	Qty	Reference	Part Description	Manufacturer	Manufacturer Part Number
1	1	!PCB	Printed Circuit Board	Any	BOOST-DRV8711
2	1	C1	CAP ALUM 100UF 100V 20%	Panasonic Electronic	ECA-2AM101
3	1	C2	CAP, CERM, 0.01uF, 100V, +/-10%, X7R, 0603	Components	C1608X7R2A103K
4	1	C3	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0603	TDK	GRM188R72A104KA35D
5	1	C4	CAP CER 1UF 50V 10% X7R 0805	MuRata	CL21B105KBFNNNE
6	1	C5	CAP, CERM, 0.1uF, 25V, +/-10%,	Samsung Electro-	C1608X7R1E104K
7	1	C6	CAP, CERM, 1uF, 16V, +/-10%,	Mechanics America, Inc	C1608X7R1C105K
8	1	C7	CAP, CERM, 1000pF, 16V, +/-10%,	TDK	C0603C102K4RACTU
9	1	C8	CAP CER 1UF 100V 10% X7R 1206	TDK	HMK316B7105KL-T
10	2	D1, D2	LED, Red, SMD	Kemet	LTST-C170KRKT
11	2	J1, J2	CONN HEADER FEMALE 10POS.1"	Taiyo Yuden	PPTC101LFBN-RC
12	1	J5	TERMINAL BLOCK 5.08MM VERT	Lite-On	OSTTA024163
13	1	J6	Terminal Block, 4x1, 5.08mm, TH	Sullins Connector	OSTTA044163
14	4	Q1, Q2, Q3,Q4	Dual 60-V N-Channel NexFET™ Power MOSFETs	Solutions	CSD88537ND
15	2	R1, R2	RES, 0.05 ohm, 1%, 3W, 2512	On Shore Technology	CRA2512-FZ-R050ELF
16	1	R3	RES, 3.3k ohm, 5%, 0.1W, 0603	Inc	CRCW06033K30JNEA
17	2	R4, R5	RES, 330 ohm, 5%, 0.1W, 0603	On Shore Technology	CRCW0603330RJNEA
18	1	R6	TRIMMER 100K OHM 0.5W PC PIN	Inc	3386P-104TLF-ND
19	1	U1	Stepper Motor Pre-Driver with On-Chip 1/256 Micro-Stepping Indexer and Stall Detect	Texas Instruments	DRV8711DCP

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