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TIDA-00261-Stepper Motor BoosterPack

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

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