

Bill of Materials

TI DESIGNS

Designator	Description	Manufacturer	MFG PartNumber	Quantity
IPCB	Printed Circuit Board	Any	DRV8816EVM-CB	1
C1, C2, C4	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	TDK	C1608X7R1H104K	3
C3	CAP, AL, 100uF, 50V, +/-20%, 0.34 ohm, SMD	Panasonic	EEE-FK1H101P	1
C5	CAP, CERM, 0.1uF, 16V, +/-20%, X7R, 0603	Kemet	C0603C104M4RACTU	1
C6	CAP, CERM, 10uF, 10V, +/-10%, X7R, 0805	MuRata	GRM21BR71A106KE51L	1
C7	CAP, CERM, 1uF, 50V, +/-10%, X7R, 0805	MuRata	GRM21BR71H105KA12L	1
D1	LED, Green, SMD	Lite-On	LTST-C171GKT	1
D2	LED, Red, SMD	Lite-On	LTST-C170KRKT	1
J1	Terminal Block, 2-pin, 6-A, 3.5mm	OST	ED555/2DS	1
J2	Terminal Block, 4-pin, 6-A, 3.5mm	OST	ED555/4DS	1
J3	SOCKET .050" GRID SIP 4 POS R/A, TH	Mill-Max	851-43-004-20-001000	1
JP1, JP2, JP3	Header, Male 2-pin, 100mil spacing,	Sullins	PEC02SAAN	3
R1, R2	RES, 10k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW060310K0JNEA	2
R3, R4, R5, R6, R7	RES, 0 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06030000Z0EA	5
R8	RES, 47k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW060347K0JNEA	1
R9, R10	RES, 330 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW0603330RJNEA	2
R11	RES, 3.3k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW060333K30JNEA	1
R12	RES, 0.2 ohm, 1%, 2W, 2512	Stackpole Electronics Inc	CSRN2512FKR200	1
R13	RES, 100k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603100KFKEA	1
RP1, RP2	Potentiometer, 3/8 Cermet, SingleTurn, Flat	Bourns	3352T-1-503LF	2
SH-JP1, SH-JP2, SH-JP3	Shunt, 100mil, Gold plated, Black	3M	969102-0000-DA	3
TP1, TP2, TP3, TP4, TP5, TP6, TP7	PC Test Point, Miniature	Keystone	5019	7
U1	DMOS Dual 1/2-H Bridge Motor Driver	Texas Instruments	DRV8816PWP	1
U2	Mixed Signal MicroController, RSA0016B	Texas Instruments	MSP430G2131IRSA16	1
U3	IC, 60-V, 6-A IQ, 100-mA, LDO Voltage Regulator with Enable and Power-Good Functions	Texas Instruments	TPS7A1633DGN	1

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