

Driver BOM rev3.01

Item	Qty	Reference(s)	Value	Footprint	Manuf PN	DK PN	Ordered
1	6	C1, C6, C7, C8, C10, C11	0.1uF	Capacitors_SMD:C_0603	GRM188R72A104KA35D	490-3285-1-ND	10
2	2	C2, C4	1uF	Capacitors_SMD:C_0603	GCM188R71E105KA64J	490-GCM188R71E105KA64JCT-ND	5
3	2	C3, C5	100uF	Capacitors_SMD:CP_Elec_8x10	UUD1V101MNL1GS	493-2290-1-ND	
4	1	C9	1uF	Capacitors_SMD:CP_Elec_4x5.8	UCD1H010MCL1GS	493-14564-1-ND	2
5	1	Con1	HP45_connector	Electronics:HP45_SMD_connector			
6	3	IC1, IC3, IC6	HEF4017	Housings_SOIC:SOIC-16_3.9x9.9mr	HEF40175BT,652	1727-7103-ND	4
7	2	IC2, IC4	TLC59213	Housings_SSOP:TSSOP-20_4.4x6.5r	TLC59213AIPWR	296-27313-1-ND	2
8	1	IC5	HCF4081	Housings_SOIC:SOIC-14_3.9x8.7mr	HCF4081M013TR	497-1140-1-ND	
9	1	IC7	LM311	Housings_SOIC:SOIC-8_3.9x4.9mm	LM311DR	296-1388-1-ND	2
10	2	J1, J2	CONN_01X16	Socket_Strips:Socket_Strip_Straight_1x16_Pitch2.54mm			
11	2	Q1, Q2	Q_NMOS_GSD	TO_SOT_Packages_SMD:SOT-23	BSS138L	BSS138LCT-ND	4
12	1	Q3	Q_NMOS_SGD	Electronics:SO-8_PowerPAK	SIR404DP-T1-GE3	SIR404DP-T1-GE3CT-ND	2
13	6	R1, R2, R3, R4, R9, R10	2.2k	Resistors_SMD:R_0603	ERJ-PA3F2201V	P2.2KBYCT-ND	10
14	1	R5	1.2k	Resistors_SMD:R_0603	ERJ-PA3F1201V	P1.2KBYCT-ND	5
15	2	R6, R8	10k	Resistors_SMD:R_0603	ERJ-PA3F1002V	P10KBYCT-ND	5
16	3	R7, R11, R12	330	Resistors_SMD:R_0603	ERJ-3EKF3300V	P330HCT-ND	3

Controller BOM rev3.01

U1						MC7805CD2TR4GOSCT-ND	2
C1, C2		100uF				493-2113-1-ND	6
D1, D2, D3, D4						CD0603-B0240RCT-ND	5