

Bill of Materials

<Parameter Title not found>

Source Data From: H bridge.PrjPcb
 Project: H bridge.PrjPcb
 Variant: None

Creation Date: 19-Oct-17 11:29:25 PM
 Print Date: 19-Oct-17 11:29:35 PM

Footprint	#Column Name E	LibRef	Designator	Description	Quantity
242431 Banana CAP 1812/4532 1.1MM CAP ALUM 8.3MM Radial Capacitor 12.5mm CAP 1206/3216 - 1.8MM DO214AC SMA SOD-123 ST DO214AB SMC		242431 C1812C474K5R ACTU UWX1H220MCL 1GB EEUFR1J681L CGA5L3X7S2A3 35K160AB US1G-13-F SD101AW-7-F SMCJ43CA	+5/+3.3V, Bat+, GND C1, C2, C9, C10, C11, C12 C3, C4, C5, C6, C7, C8, C13, C14, C15, C16, C17, C18 C20 C21, C22 D1, D2, D3, D4, D5, D14 D6, D7, D8, D9, D10, D11, D12, D13 D15, D16, D17, D18, D19, D20, D21, D22, D23	Banana PCB Connector Ceramic, Commercial-(CxxxxC), 0.47 uF, 10%, 50 V, CAP ALUM 22UF 20% 50V SMD CAP ALUM 680UF 20% 63V Through Hole CAP CER 3.3UF 100V X7S 1206 DIODE GEN PURP 400V 1A SMA DIODE SCHOTTKY 60V 15MA SOD123 TVS DIODE 43VWM 69.4VC SMC	3 6 12 1 2 6 8 9
MOLEX SD- 73100-0114 TE FSM4JSMA Cable Hole 6.54mm MOLEX KK 0022272021		5-1814400-1 FSM4JSMATR Cable Pad AWG 2 0022272021	DIR 1, DIR 2, PWM 1, PWM 2 DIS GND_H1, MOTOR2+, MOTOR2-, V+_H1 HCPWR, J3, J4	CONN SMA JACK R/A 50 OHM PCB SWITCH TACTILE SPST-NO 0.05A 24V CONN HEADER 2POS .100 VERT TIN	4 1 3
DIL14 DIL14 DIP8 DIP20		74AHC04N SN74AC08N LM2574N-ADJ Intersil HIP4081A 0705550041	IC1 IC2 IC3, IC6 IC4, IC5 J1, LOGIC_CON	IC GATE AND 4CH 2-INP 14-DIP IC Switched Adjustable Regulator Through hole 1.23 CONN HEADER 7POS .100 R/A 15AU	1 1 2 2
MOLEX SDA- 70555-7PIN MOLEX KK 0022232031 BOURNS SRR1280 LED-0 MOLEX KK 0022272061 Cable Hole 6.54mm Cable Hole 6.54mm INFINEON PG-HSOF-8- 1 - 7109D heatsink RES 0603/1608 RES 1206/3216 RES 1206/3216 RES 1206/3216 RES 1206/3216		0022232031 SRR1280-681K LED0 0022272061 Cable Pad AWG 2 Cable Pad AWG 2 IPT020N10N3AT MA1 ERJ-PA3J224V ERJ- 8ENF9531V ERJ- 8GEYJ5R1V ERJ- 8ENF1101V ERA-8AEB101V	J2 L1, L2 LED_DIS LOG1, LOG1, LOG2, LOG2 MOTOR1+ MOTOR1- Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8 R1, R2, R3, R4 R1, R2, R3, R4, R9, R15, R19 R5, R6, R7, R8, R11, R12, R13, R14, R17, R18 R10, R16 R20	CONN HEADER 3POS VERT TIN FIXED IND 680UH 750MA 1.3 OHM Typical INFRARED GaAs LED CONN HEADER 6POS .100 VERT TIN MOSFET N-CH 100V 300A 8HSOF RES SMD 220K OHM 5% 1/4W 0603 RES SMD 9.53K OHM 1% 1/4W 1206 RES SMD 5.1 OHM 5% 1/4W 1206 RES SMD 1.1K OHM 1% 1/4W 1206 RES SMD 100 OHM 0.1% 1/4W 1206	1 2 4 1 1 8 4 7 10 2 1

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Approved	Notes