

Reference	Value	Footprint	Description
U2	L298HN	L298N:TO127P2020X500X2100-15	Dual full bridge motor driver, up to 46V, 4A, Multiwatt-15
U1	L7805	L78M05ABDT-TR:L78M05ABDTTR	Positive 1.5A 35V Linear Regulator, Fixed Output 5V, TO-220/TO-263/TO-252
R1	1K	Resistor_SMD:R_0805_2012Metric	Resistor
C2	220uF	PCV1E221MCL2GS:CAPAE830X1200N	Polarized capacitor, small US symbol
D1	LED	LED_SMD:LED_0805_2012Metric	Light emitting diode
J5	INPUT PINS	Connector_PinHeader_2.54mm:PinHeader_1x04_P2.54mm_Vertical	Generic connector, single row, 01x04, script generated (kicad-library-utils/schlib/autogen/connector/)
J4	ENA	Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_Vertical	Generic connector, single row, 01x02, script generated (kicad-library-utils/schlib/autogen/connector/)
J2	POWER	TerminalBlock:TerminalBlock_bornier-3_P5.08mm	Generic connector, single row, 01x03, script generated (kicad-library-utils/schlib/autogen/connector/)
J3	ENB	Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_Vertical	Generic connector, single row, 01x02, script generated (kicad-library-utils/schlib/autogen/connector/)
J1	JUMPER	Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_Vertical	Generic connector, single row, 01x02, script generated (kicad-library-utils/schlib/autogen/connector/)
C1	220uF	PCV1E221MCL2GS:CAPAE830X1200N	Polarized capacitor, small US symbol
D2	DIODE	Diode_SMD:D_0805_2012Metric	Diode symbol for simulation only. Pin order incompatible with official kicad footprints
D4	DIODE	Diode_SMD:D_0805_2012Metric	Diode symbol for simulation only. Pin order incompatible with official kicad footprints
D6	DIODE	Diode_SMD:D_0805_2012Metric	Diode symbol for simulation only. Pin order incompatible with official kicad footprints
D8	DIODE	Diode_SMD:D_0805_2012Metric	Diode symbol for simulation only. Pin order incompatible with official kicad footprints
D3	DIODE	Diode_SMD:D_0805_2012Metric	Diode symbol for simulation only. Pin order incompatible with official kicad footprints
D5	DIODE	Diode_SMD:D_0805_2012Metric	Diode symbol for simulation only. Pin order incompatible with official kicad footprints
D7	DIODE	Diode_SMD:D_0805_2012Metric	Diode symbol for simulation only. Pin order incompatible with official kicad footprints
D9	DIODE	Diode_SMD:D_0805_2012Metric	Diode symbol for simulation only. Pin order incompatible with official kicad footprints
J6	MOTOR_A	TerminalBlock:TerminalBlock_bornier-2_P5.08mm	Generic connector, single row, 01x02, script generated (kicad-library-utils/schlib/autogen/connector/)
J7	MOTOR_B	TerminalBlock:TerminalBlock_bornier-2_P5.08mm	Generic connector, single row, 01x02, script generated (kicad-library-utils/schlib/autogen/connector/)
H1	MountingHole_Pad	MountingHole:MountingHole_2.5mm_Pad_Via	Mounting Hole with connection
H2	MountingHole_Pad	MountingHole:MountingHole_2.5mm_Pad_Via	Mounting Hole with connection
H3	MountingHole_Pad	MountingHole:MountingHole_2.5mm_Pad_Via	Mounting Hole with connection
H4	MountingHole_Pad	MountingHole:MountingHole_2.5mm_Pad_Via	Mounting Hole with connection