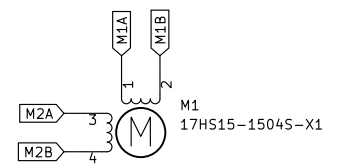
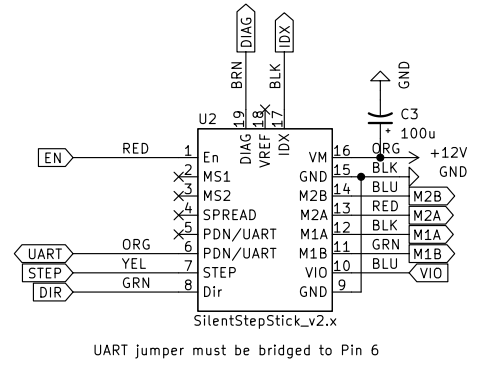
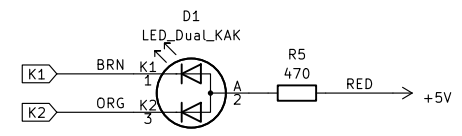


- D2 (5) = TMC Index (one pulse per each microstep)
- D3 (6) = TMC Diagnostics (HIGH = error)
- D4 (7) = TMC Motor Enable
- D5 (8) = TMC Comms. SoftwareSerial Rx
- D6 (9) = TMC Comms. SoftwareSerial Tx
- D7 (10) = TMC Motor Step Output
- D8 (11) = TMC Motor Direction Output
- D9 (12) = TMC I/O Power
- D10 (13) = LED Cathode 1
- D11 (14) = LED Cathode 2
- D12 (15) = Data from DS18B20
- A7 (19) = Power Monitor

For accurate voltage measurement R3 and R4 do not need to be precision resistors but you should measure their actual values before soldering them in. The values should be entered in the firmware source code.



K.Brown	
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File: BullsEyeFocuser.kicad_sch	
Title: BullsEye Focuser	
Size: A4	Date: 2021-05-25
KiCad E.D.A. kicad 5.99.0-unknown-a397e85589~131~ubuntu18.04.1	Rev: 2
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