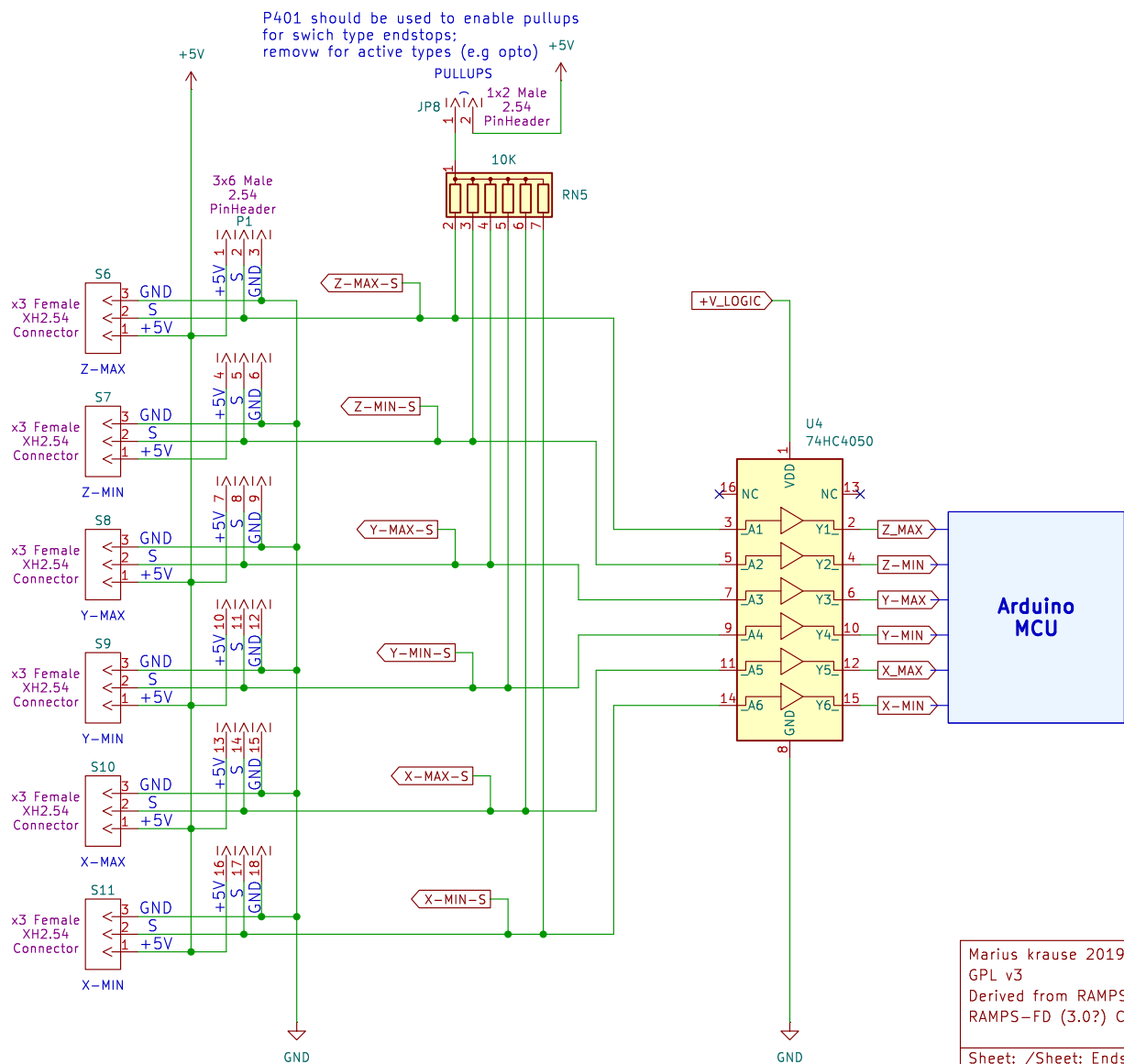


Marius krause 2019
 GPL v3
 Derived from RAMPS-FD 2.2 by Bob Cousins github.com/bobc/bobc_hardware
 RAMPS-FD (3.0?) Code: -Baisen- by ..

Sheet: /Sheet: EmergencyStop_Buf1/
 File: e-stop_buf1.kicad_sch

Title: RAMPS-FD (RAMPS for Arduino Due)

Size: A4	Date: 2025-07-7	Rev: (v3.0?)
KiCad E.D.A. 9.0.1		Id: 3/12

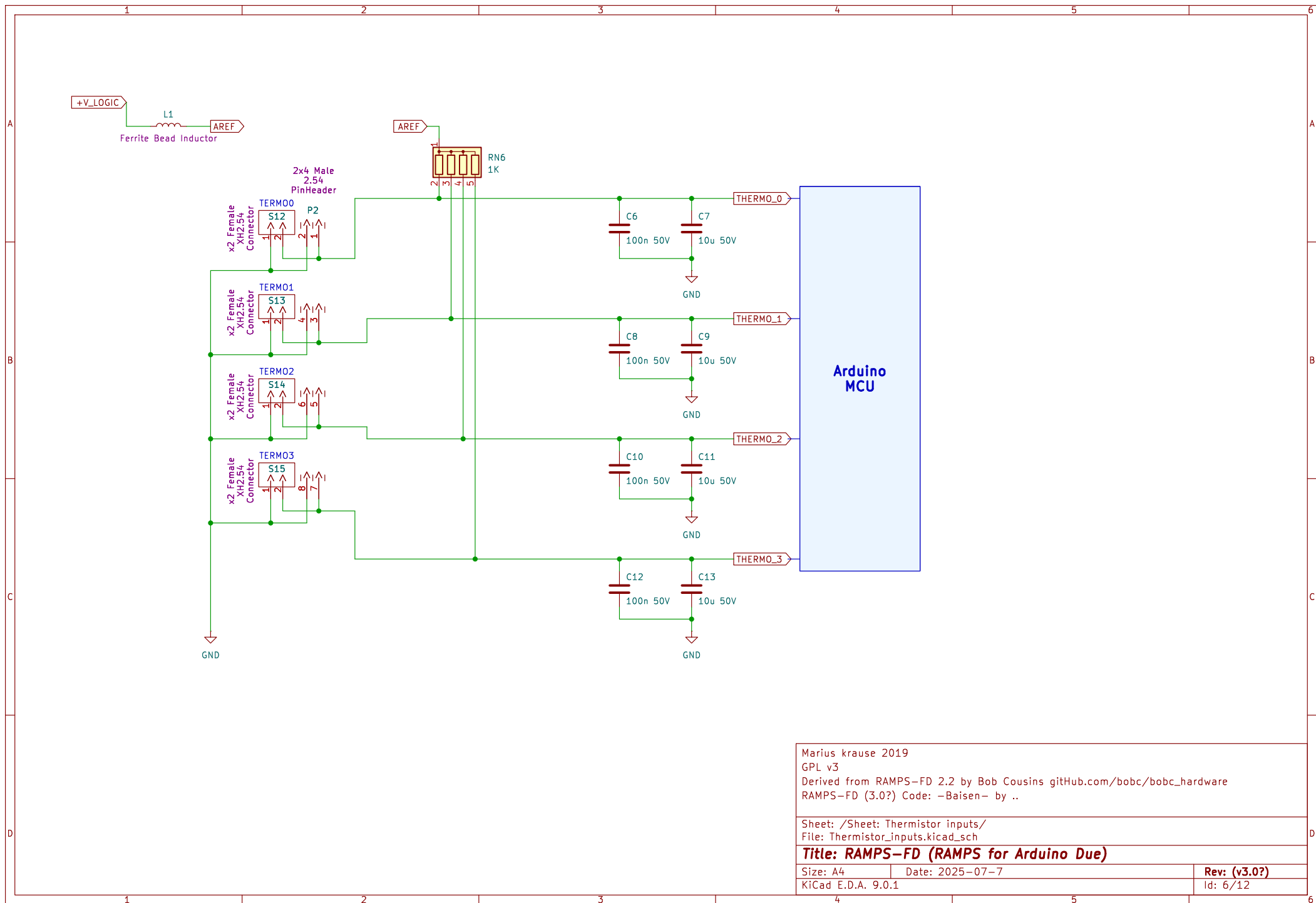


Marius krause 2019
 GPL v3
 Derived from RAMPS-FD 2.2 by Bob Cousins github.com/bobc/bobc_hardware
 RAMPS-FD (3.0?) Code: -Baisen- by ..

Sheet: /Sheet: Endstop Inputs/
 File: con_inputs.kicad_sch

Title: RAMPS-FD (RAMPS for Arduino Due)

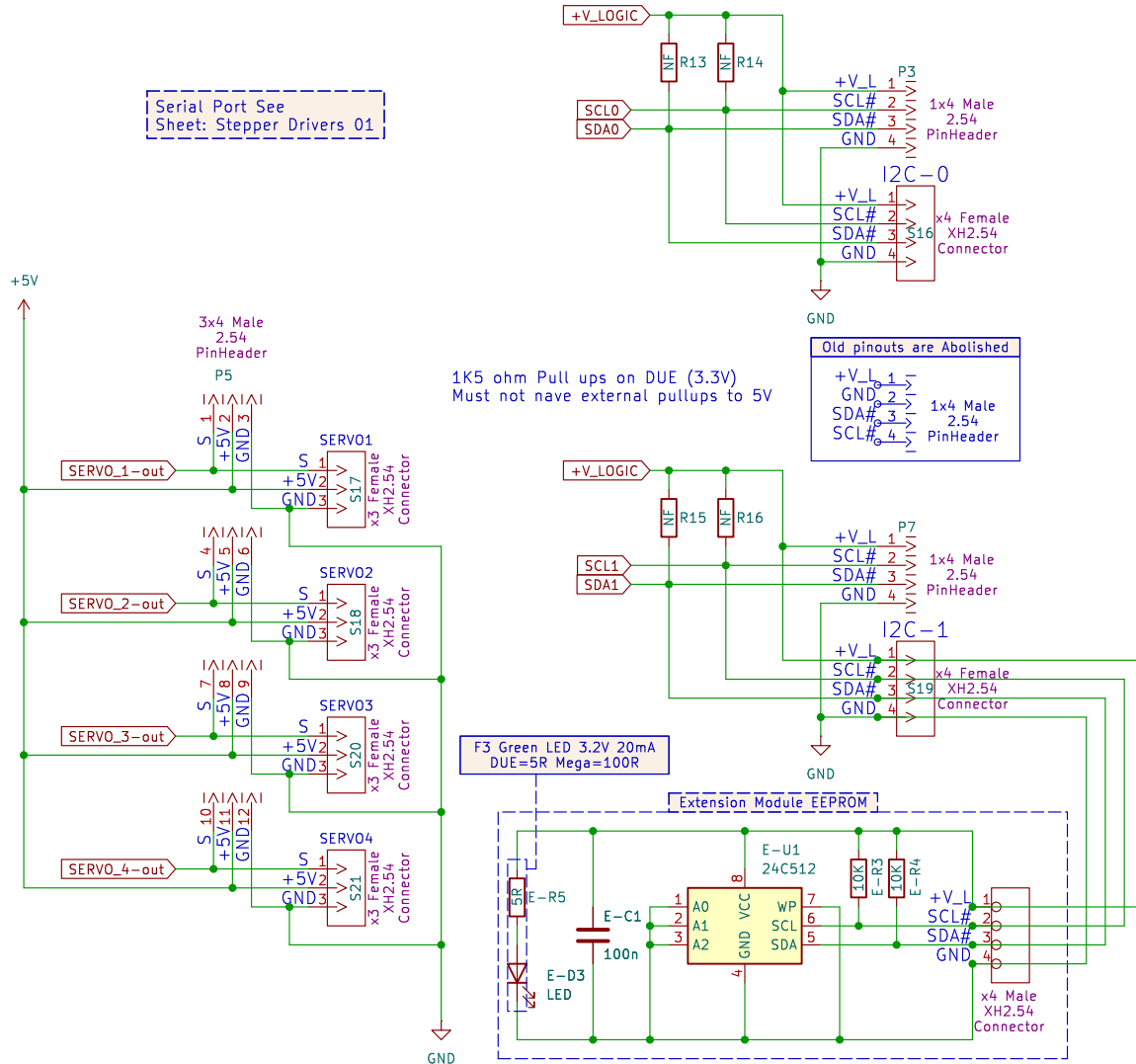
Size: A4	Date: 2025-07-7	Rev: (v3.0?)
KiCad E.D.A. 9.0.1		Id: 5/12



Marius krause 2019 GPL v3 Derived from RAMPS-FD 2.2 by Bob Cousins github.com/bobc/bobc_hardware RAMPS-FD (3.0?) Code: -Baisen- by ..		
Sheet: /Sheet: Thermistor inputs/ File: Thermistor_inputs.kicad_sch		
Title: RAMPS-FD (RAMPS for Arduino Due)		
Size: A4	Date: 2025-07-7	Rev: (v3.0?)
KiCad E.D.A. 9.0.1		Id: 6/12

NB: On Arduino DUE: IOs on this page are not 5V tolerant. Do not exceed 3.3V

Serial Port See
Sheet: Stepper Drivers 01



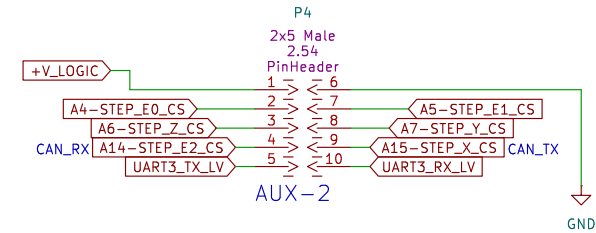
1K5 ohm Pull ups on DUE (3.3V)
Must not have external pullups to 5V

Old pinouts are Abolished
+V_L 1
GND 2
SDA# 3
SCL# 4
1x4 Male
2.54
PinHeader

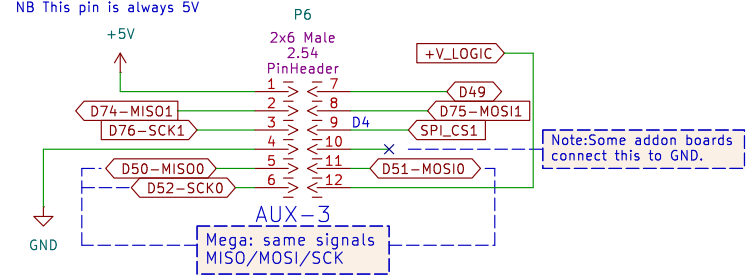
I2C-1
+V_L 1
SCL# 2
SDA# 3
GND 4
x4 Female
XH2.54
Connector

F3 Green LED 3.2V 20mA
DUE=5R Mega=100R

Extension Module EEPROM

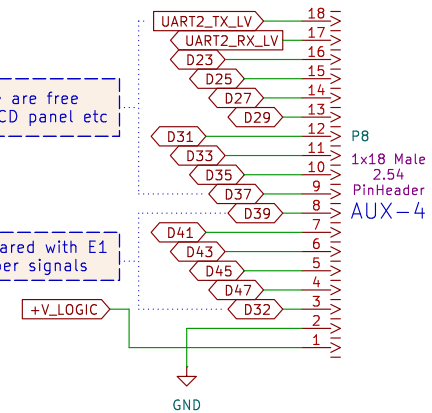


NB This pin is always 5V



These are free
for LCD panel etc

These are shared with E1
and E2 stepper signals



Marius krause 2019
GPL v3
Derived from RAMPS-FD 2.2 by Bob Cousins github.com/bobc/bobc_hardware
RAMPS-FD (3.0?) Code: -Baisen- by ..

Sheet: /Sheet: Misc Connectors/
File: con_misc.kicad_sch

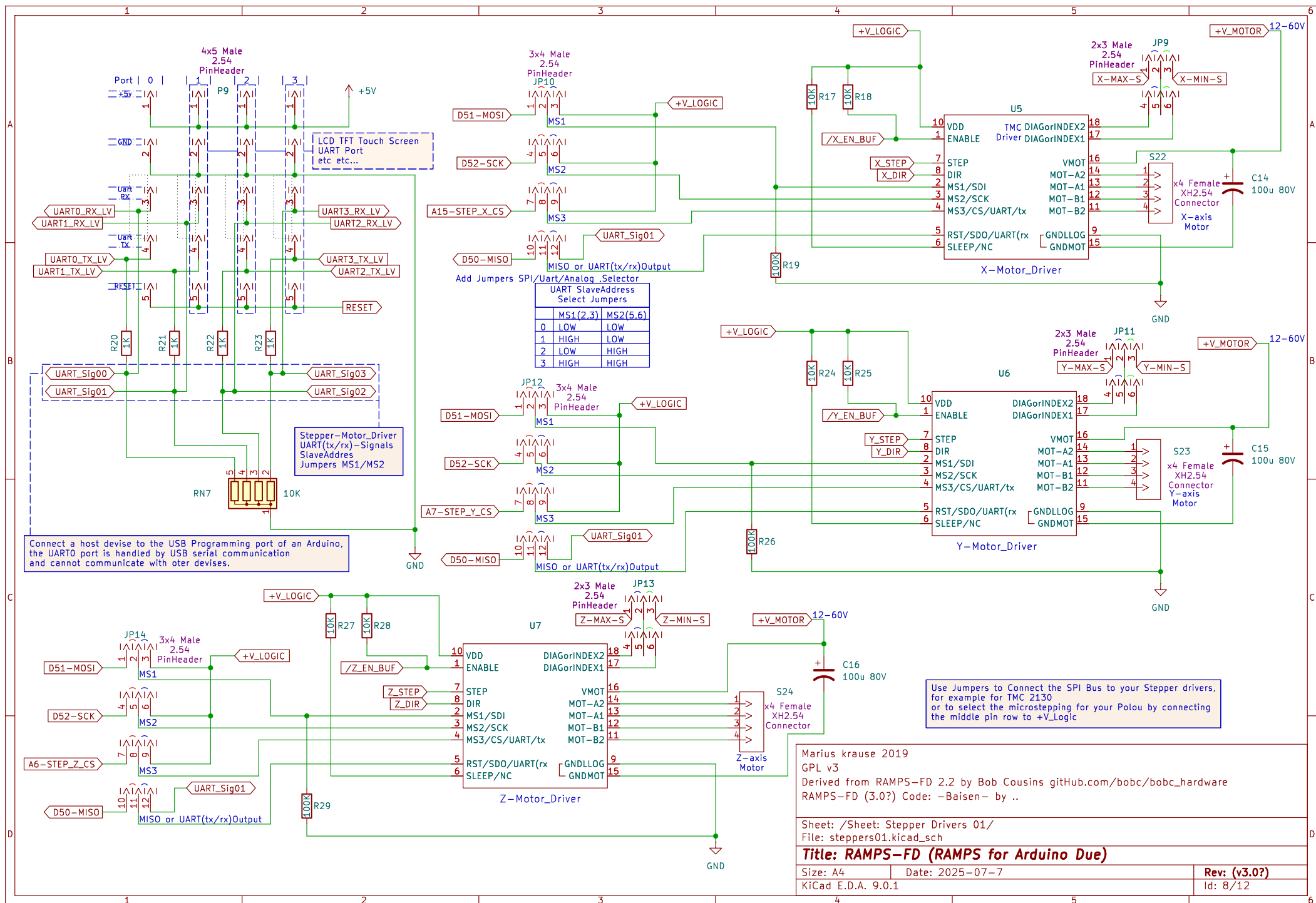
Title: RAMPS-FD (RAMPS for Arduino Due)

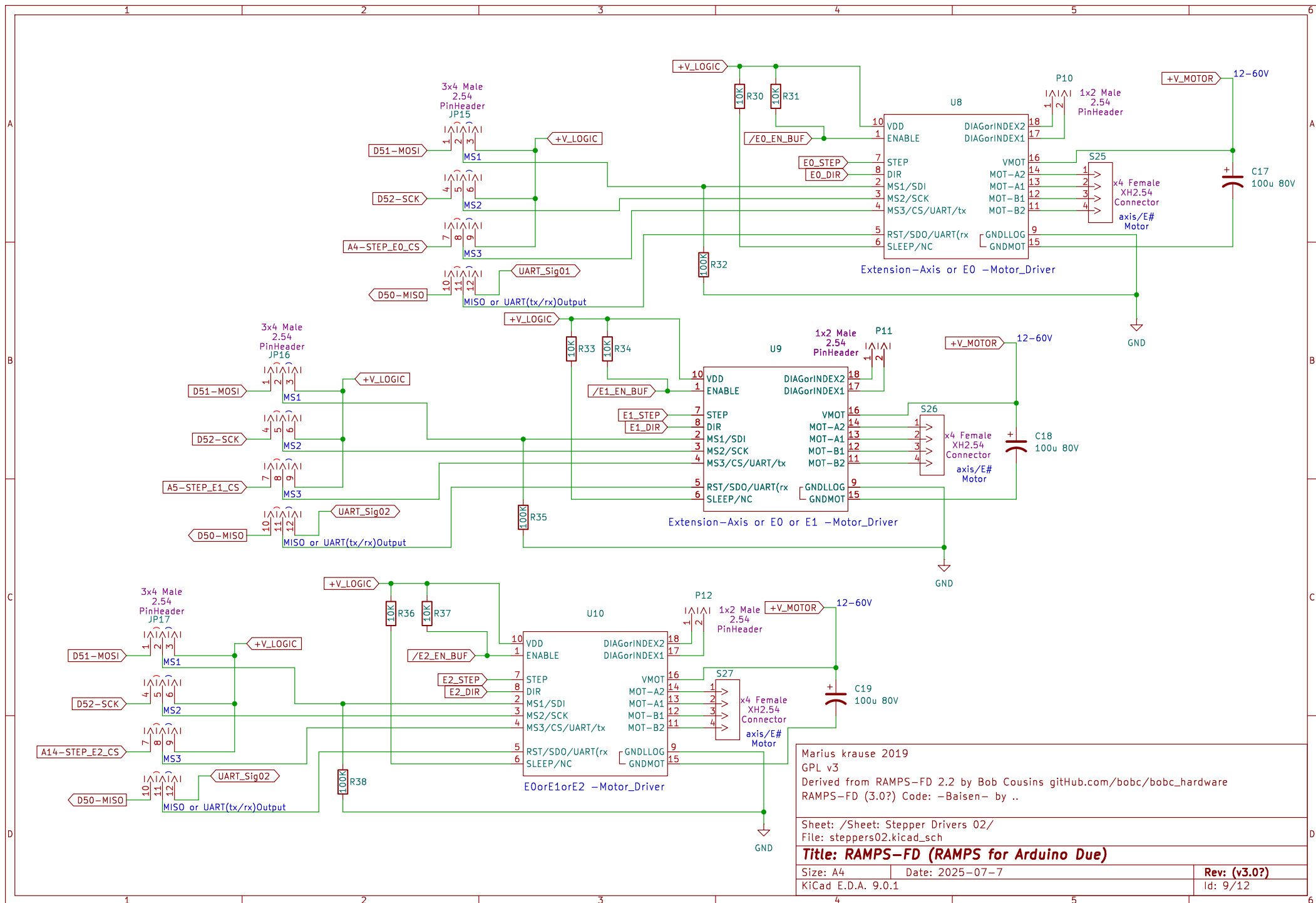
Size: A4 Date: 2025-07-7

KiCad E.D.A. 9.0.1

Rev: (v3.0?)

Id: 7/12



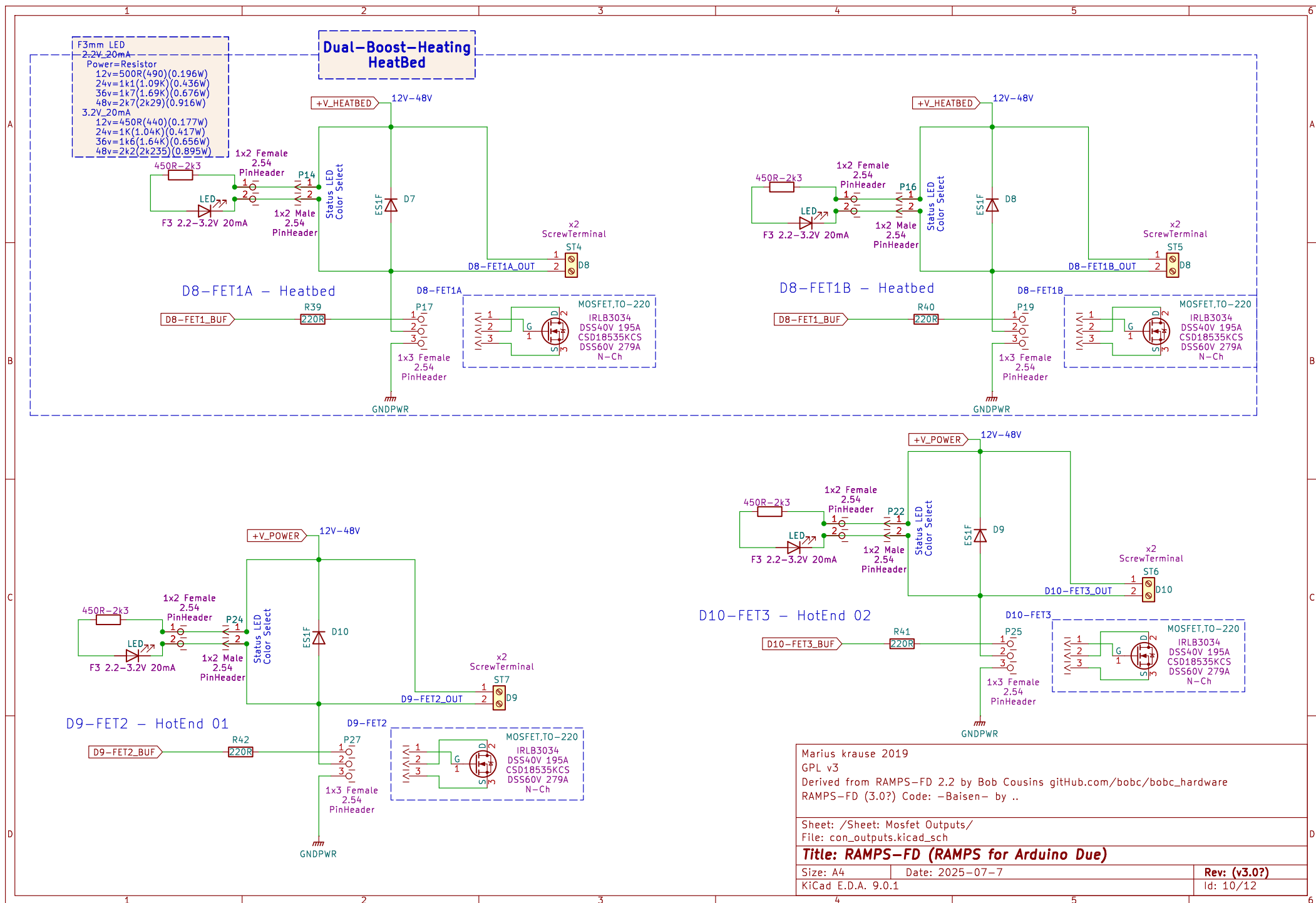


Marius krause 2019
 GPL v3
 Derived from RAMPS-FD 2.2 by Bob Cousins github.com/bobc/bobc_hardware
 RAMPS-FD (3.0?) Code: -Baisen- by ..

Sheet: /Sheet: Stepper Drivers 02/
 File: steppers02.kicad_sch

Title: RAMPS-FD (RAMPS for Arduino Due)

Size: A4	Date: 2025-07-7	Rev: (v3.0?)
KiCad E.D.A. 9.0.1		Id: 9/12



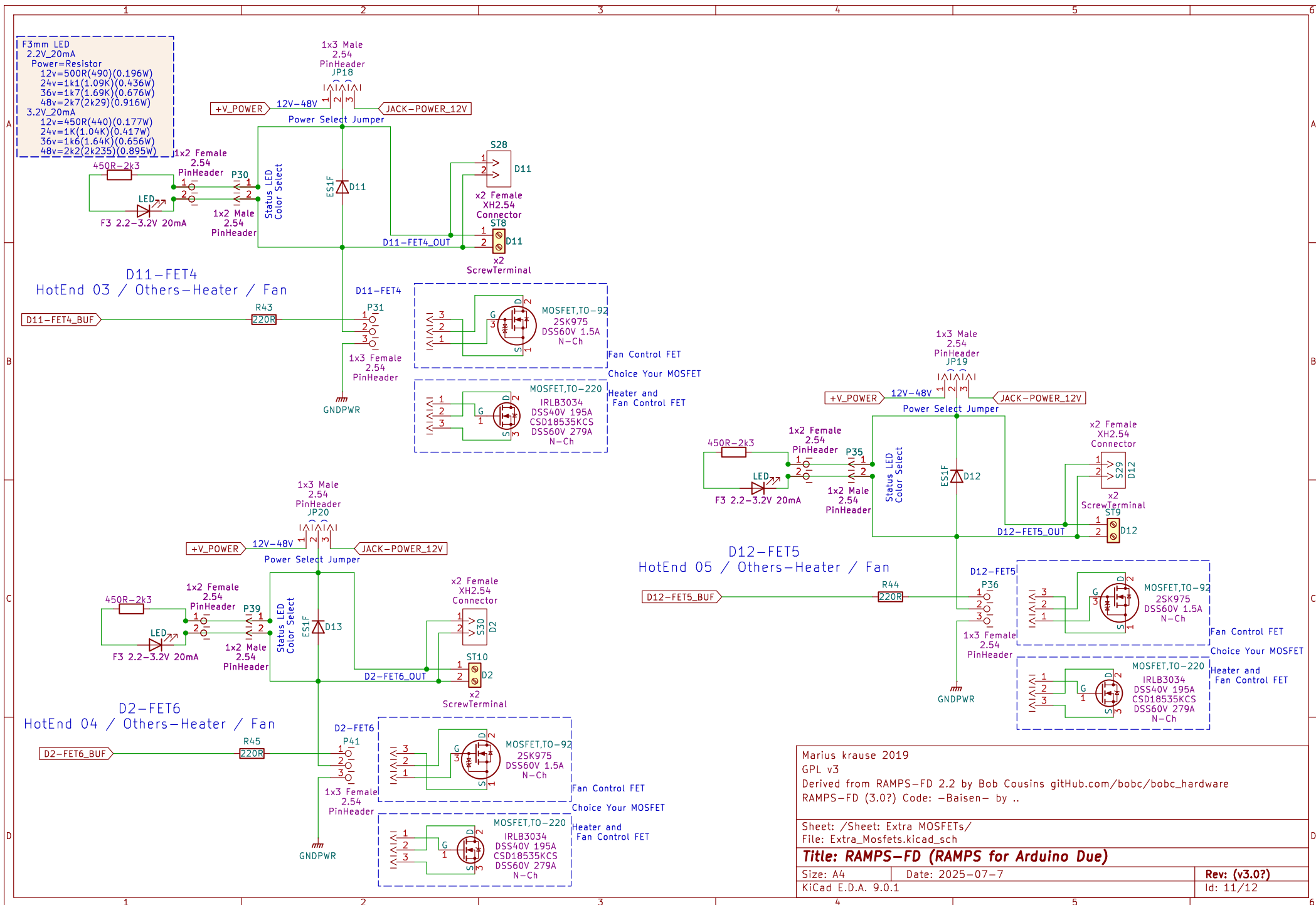
Marius krause 2019
GPL v3
Derived from RAMPS-FD 2.2 by Bob Cousins github.com/bobc/bobc_hardware
RAMPS-FD (3.0?) Code: -Baisen- by ..

Sheet: /Sheet: Mosfet Outputs/
File: con_outputs.kicad_sch

Title: RAMPS-FD (RAMPS for Arduino Due)

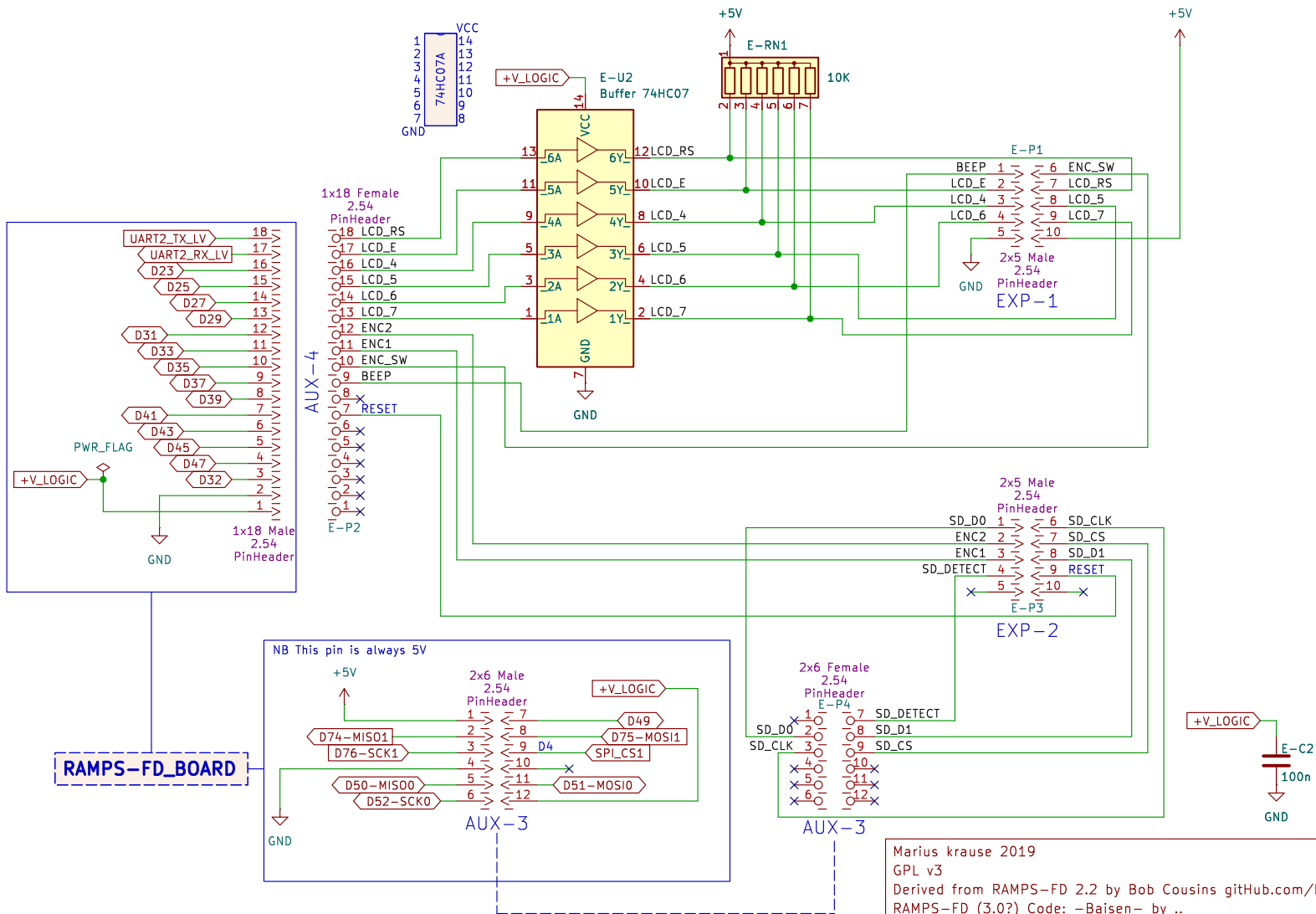
Size: A4
Date: 2025-07-7
KiCad E.D.A. 9.0.1

Rev: (v3.0?)
Id: 10/12



Marius krause 2019
GPL v3
Derived from RAMPS-FD 2.2 by Bob Cousins github.com/bobc/bobc_hardware
RAMPS-FD (3.0?) Code: -Baisen- by ..

Sheet: /Sheet: Extra MOSFETs/ File: Extra_Mosfets.kicad_sch	
Title: RAMPS-FD (RAMPS for Arduino Due)	
Size: A4	Date: 2025-07-7
KiCad E.D.A. 9.0.1	Rev: (v3.0?) Id: 11/12



Marius krause 2019
 GPL v3
 Derived from RAMPS-FD 2.2 by Bob Cousins github.com/bobc/bobc_hardware
 RAMPS-FD (3.0?) Code: -Baisen- by ..

Sheet: /Sheet: EXP-LCD_Adapter/
 File: exp-adapter.kicad_sch

Title: RAMPS-FD (RAMPS for Arduino Due)

Size: A4	Date: 2025-07-7	Rev: (v3.0?)
KiCad E.D.A. 9.0.1		Id: 12/12