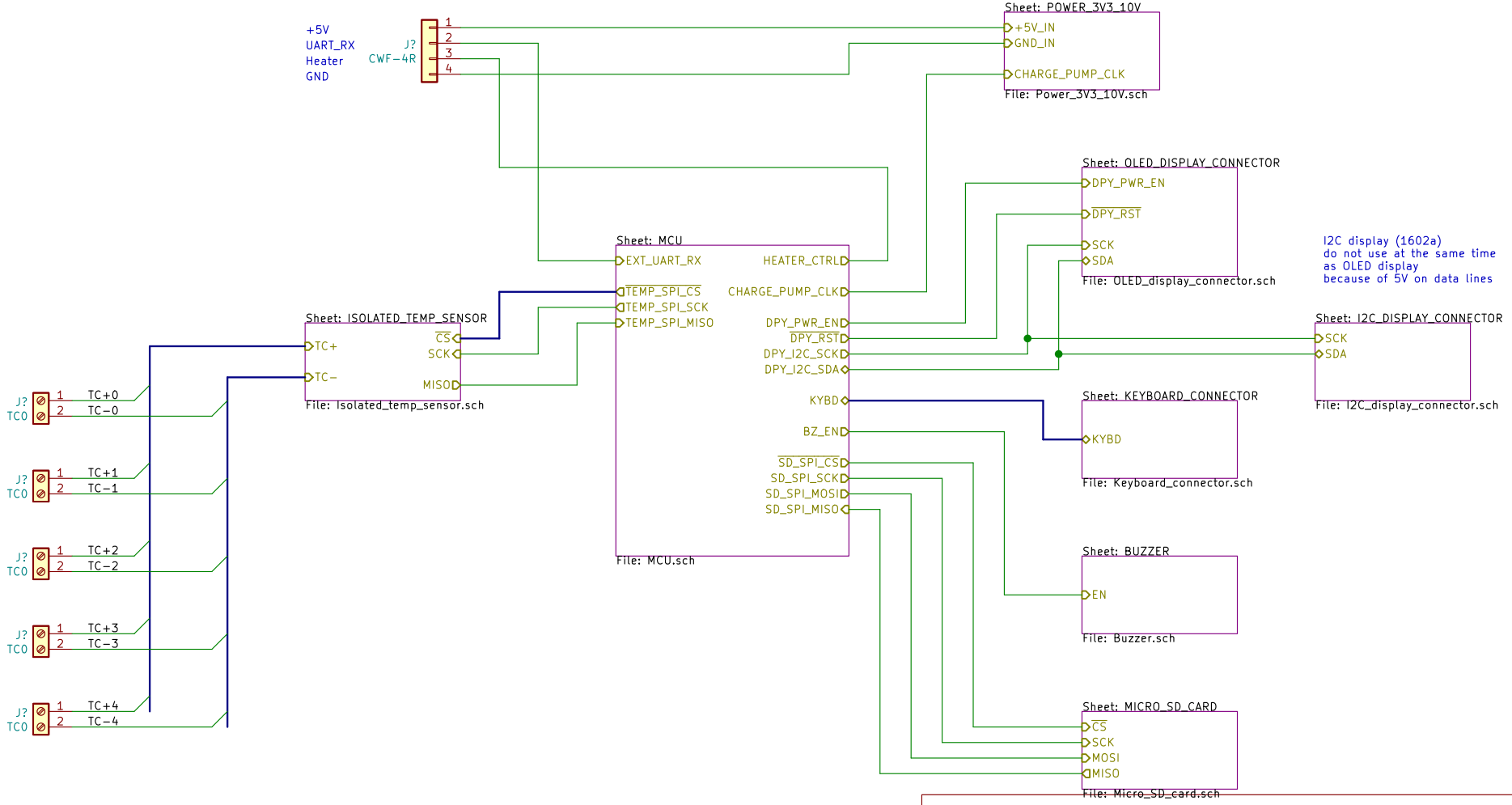
Controller

This board
1. Mesures furnace temperature
2. Controls load throught the 230V board
3. Provides user interface (display + keyboard)



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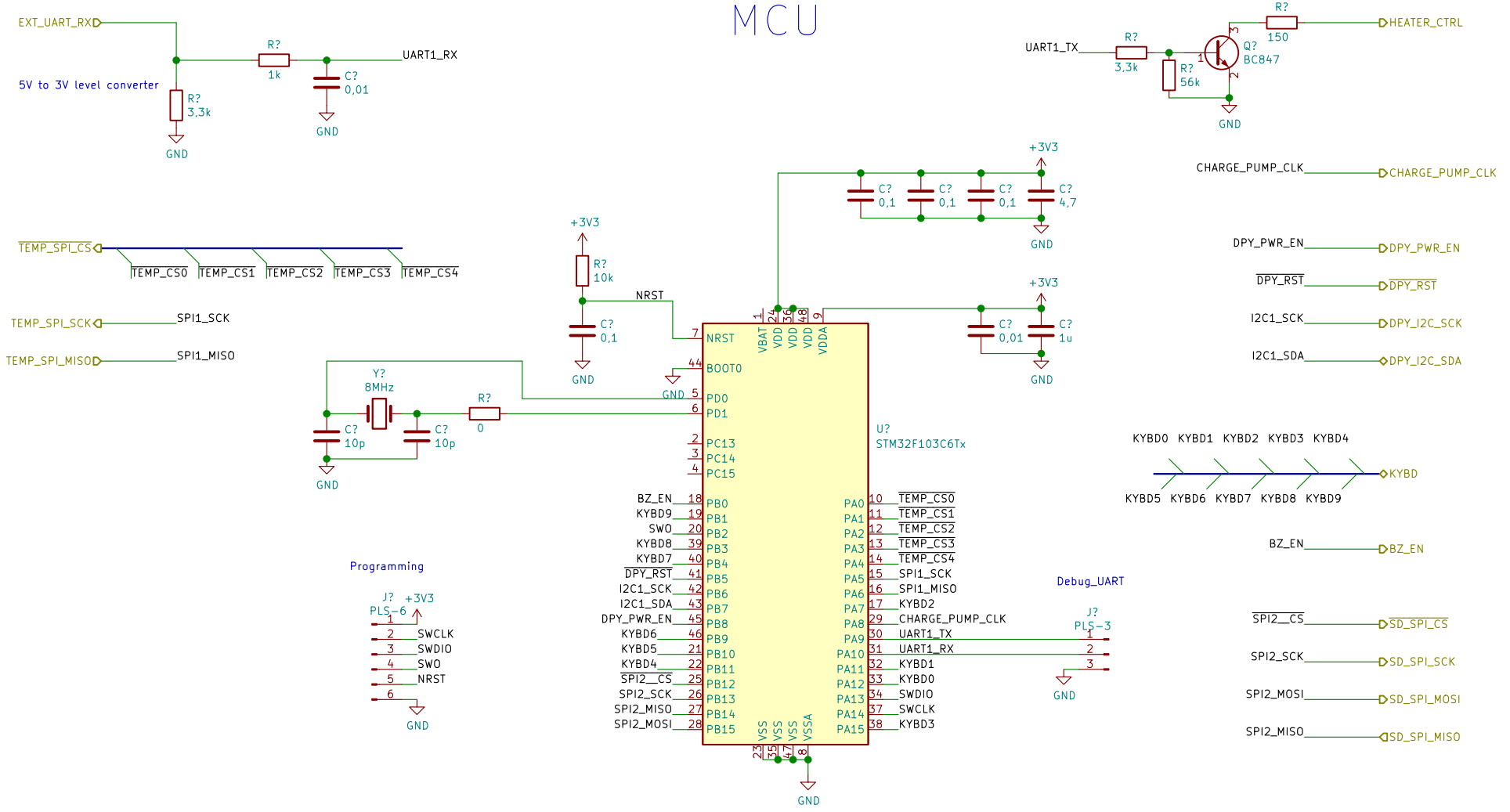
KiCad E.D.A. kicad (5.1.10)-1		Id: 1/18

MCU



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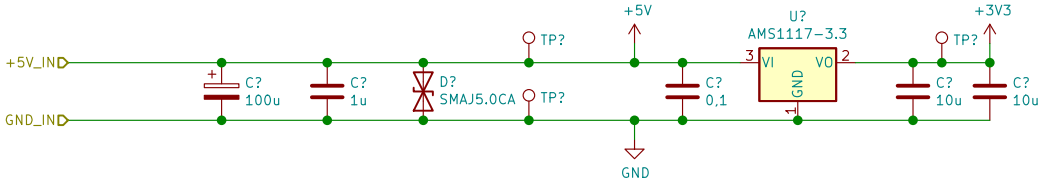
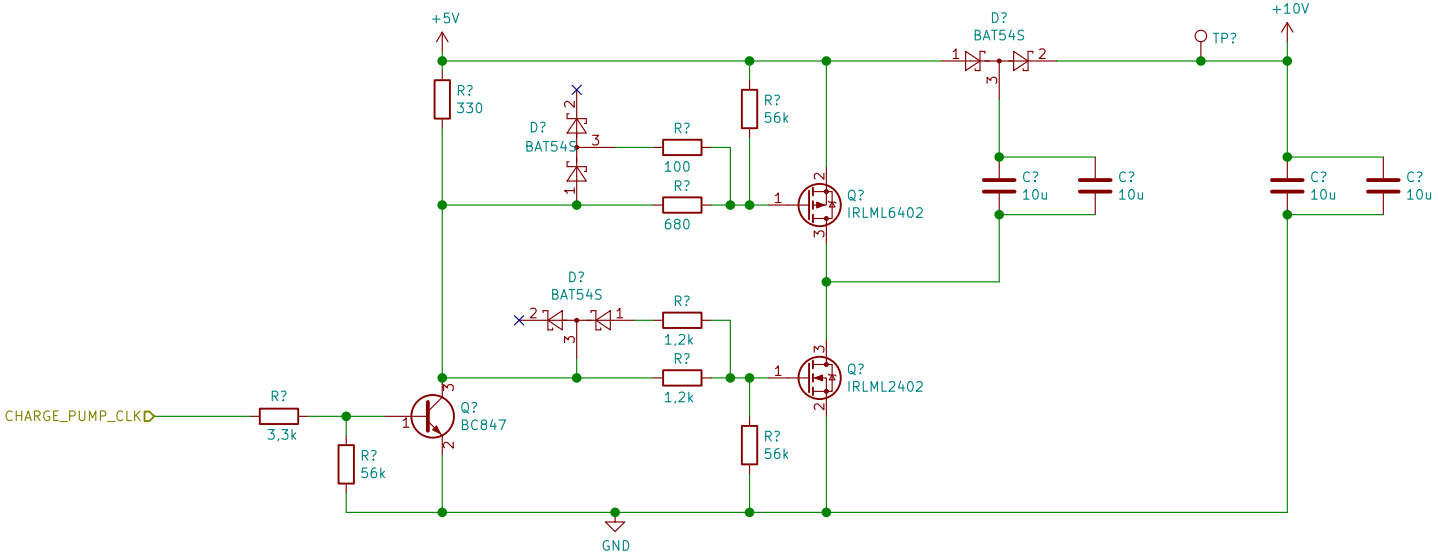
KiCad E.D.A. kicad (5.1.10)-1		Id: 2/18

Power sources 3V3 and 10V





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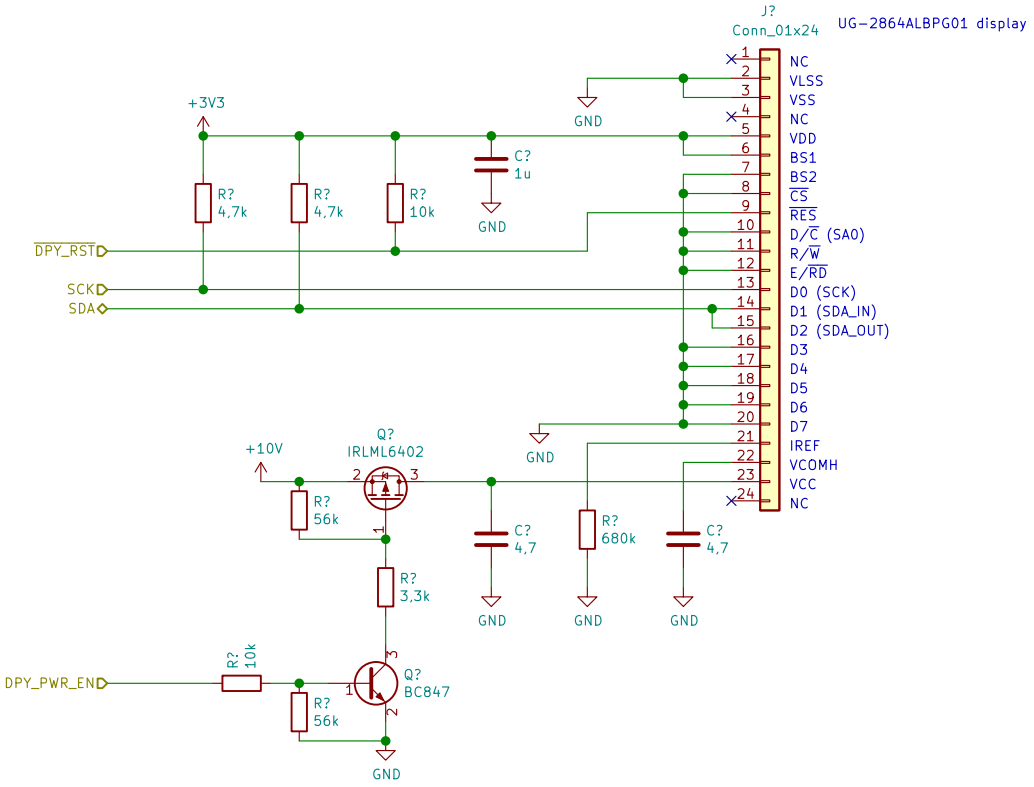
KiCad E.D.A. kicad (5.1.10)-1	Id: 3/18
	Rev:

Connector fo OLED display



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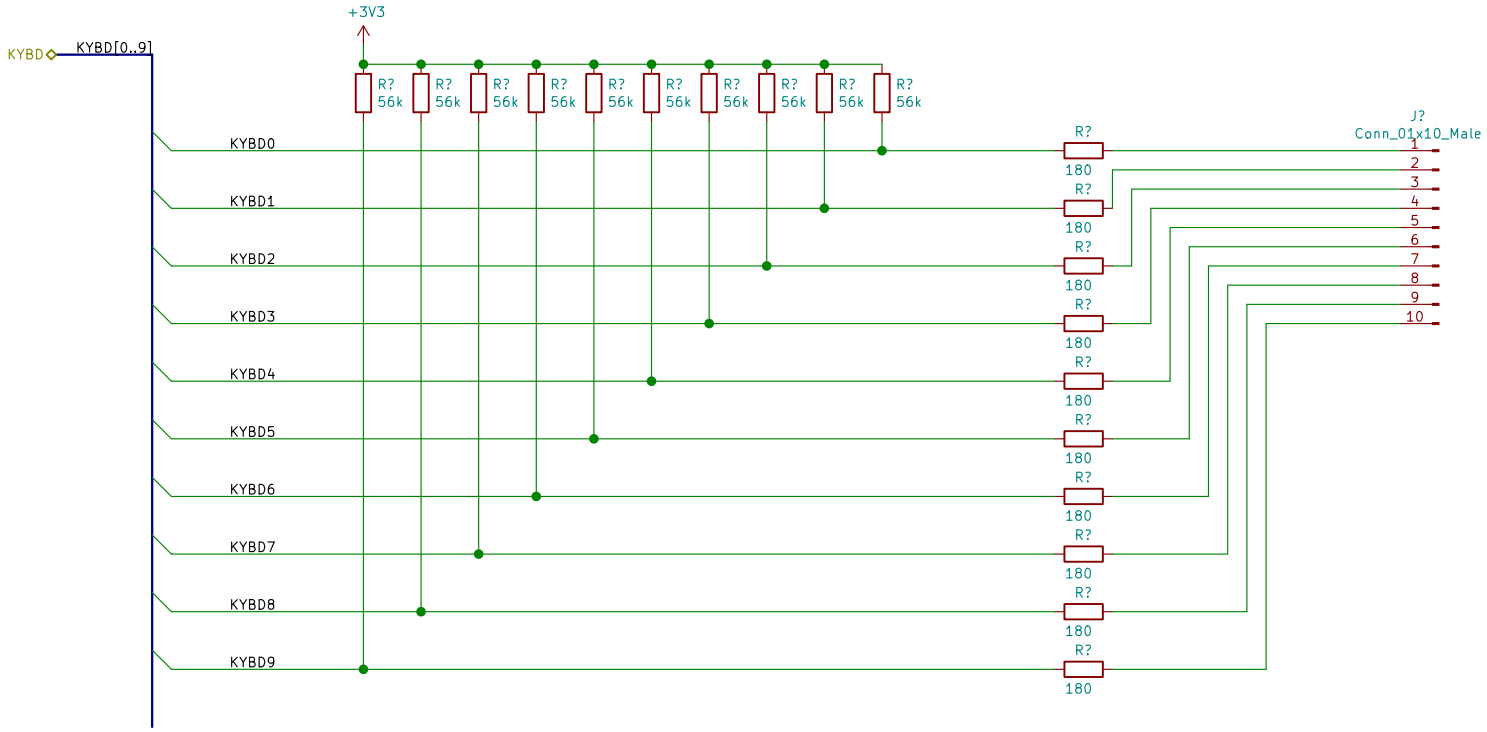
KiCad E.D.A. kicad (5.1.10)-1	Id: 4/18

Connector for matrix keyboard



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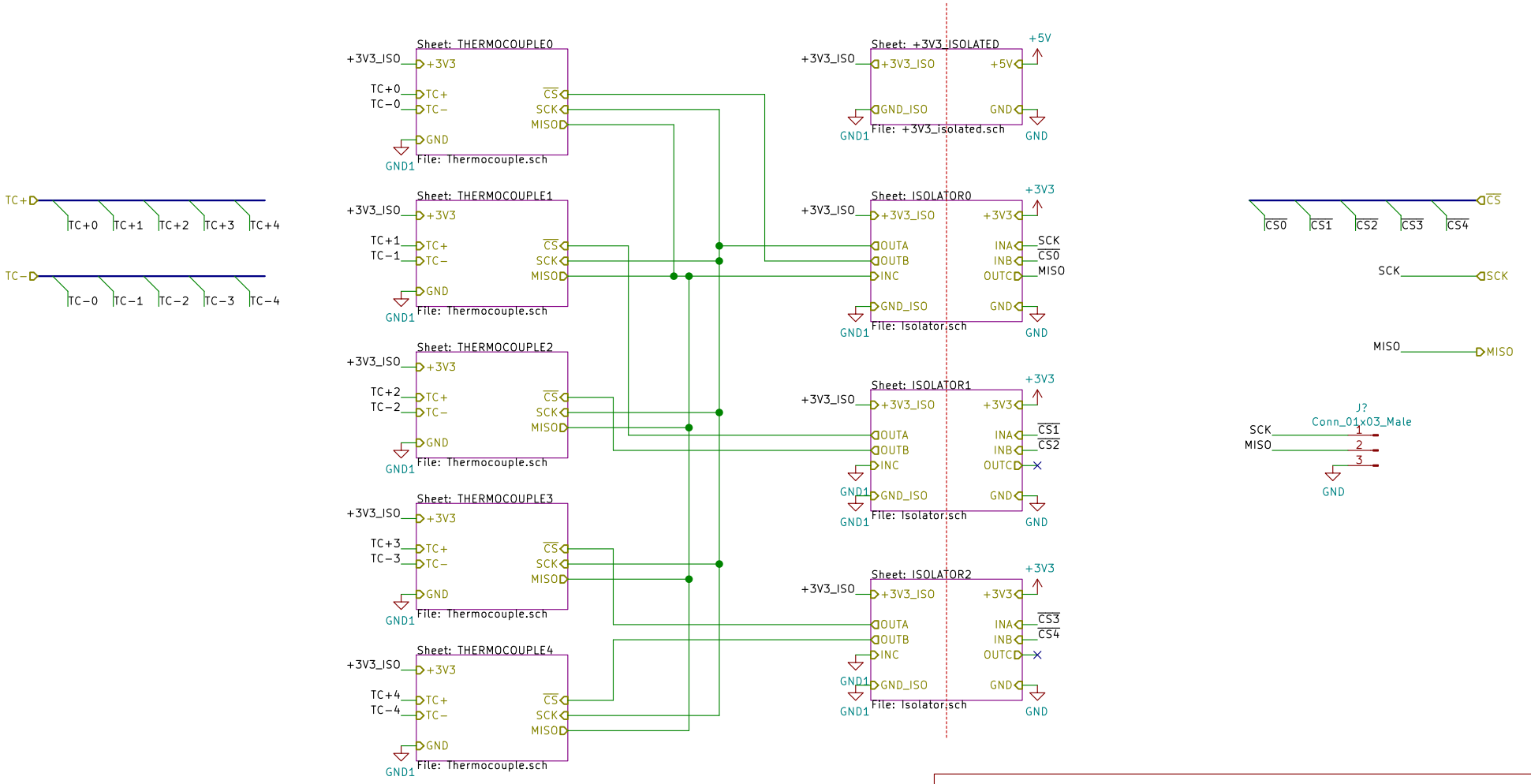
KiCad E.D.A. kicad (5.1.10)-1		Id: 5/18

Isolated 5x temperature sensor



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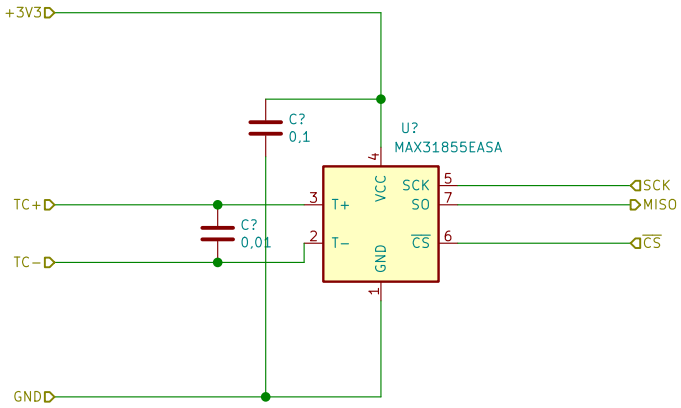
KiCad E.D.A. kicad (5.1.10)-1		Id: 6/18

Thermocouple sensor



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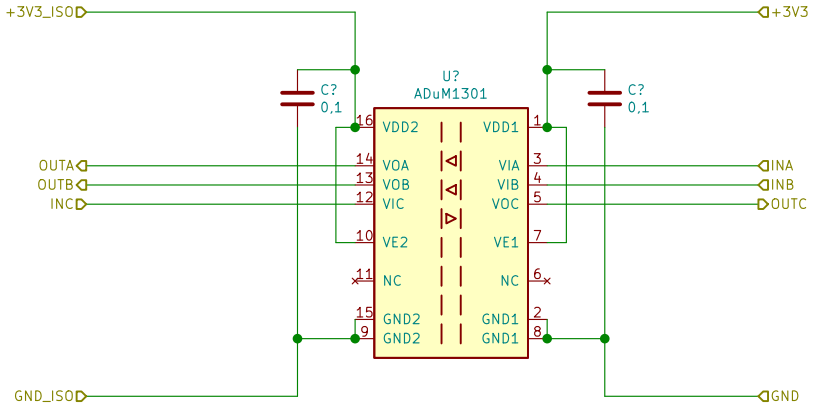
KiCad E.D.A. kicad (5.1.10)-1		Id: 7/18

Isolator for thermocouple



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File: Isolator.sch

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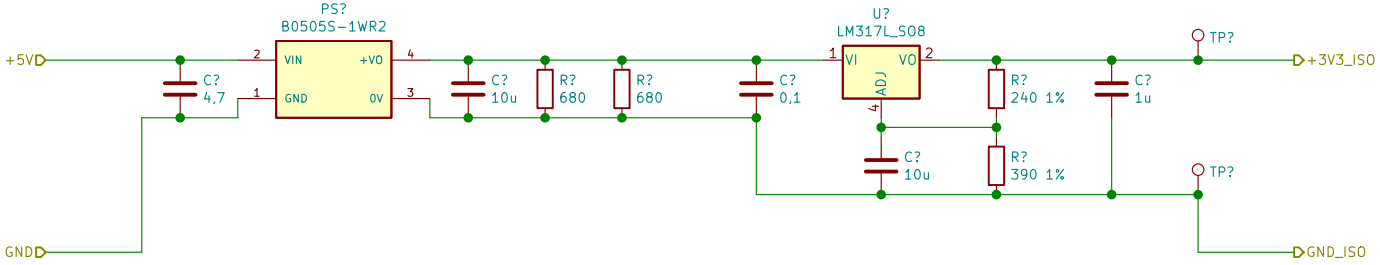
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.10)-1		Id: 8/18

Isolated +3V3 power source



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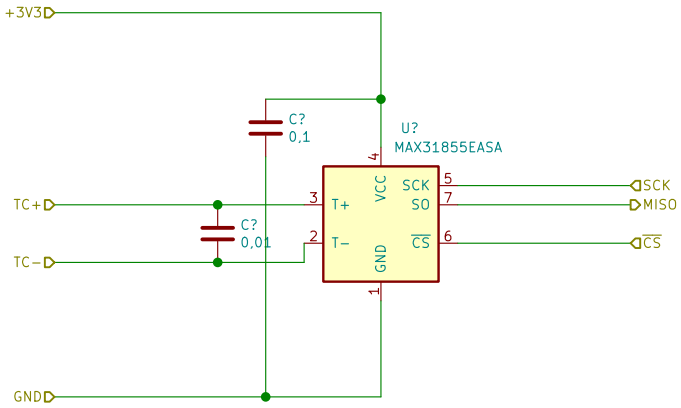
KiCad E.D.A. kicad (5.1.10)-1		Id: 9/18

Thermocouple sensor



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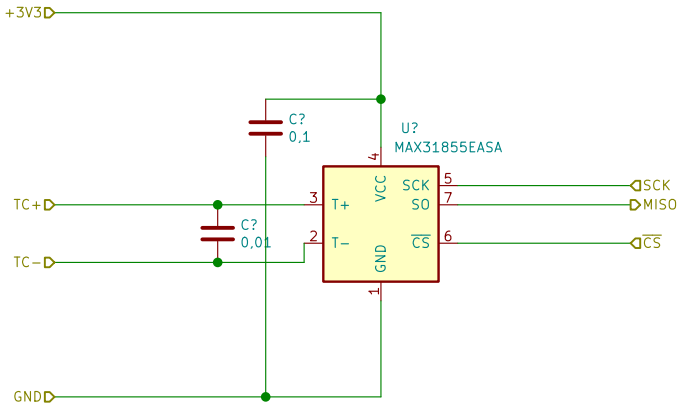
KiCad E.D.A. kicad (5.1.10)-1		Id: 10/18

Thermocouple sensor



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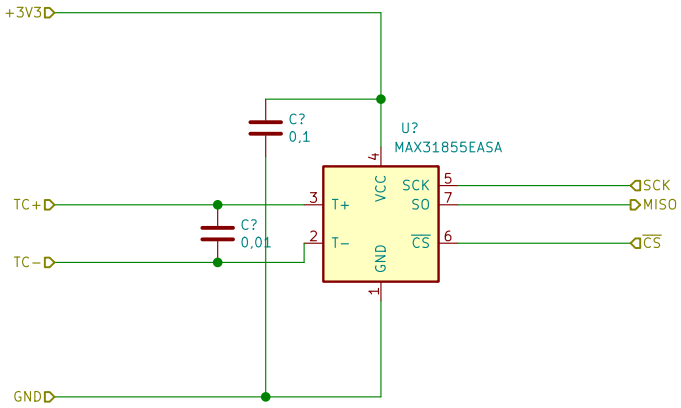
Thermocouple sensor



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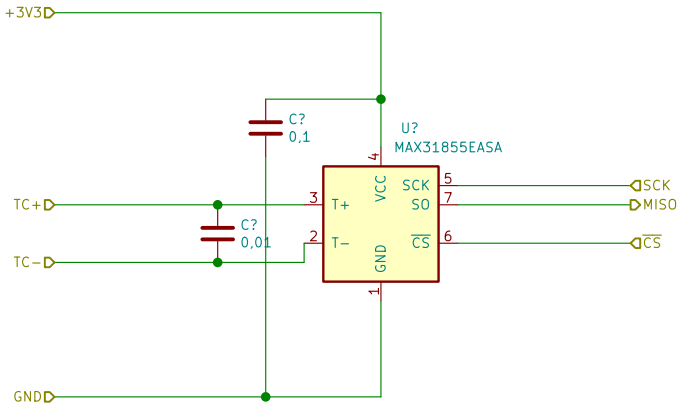
Thermocouple sensor



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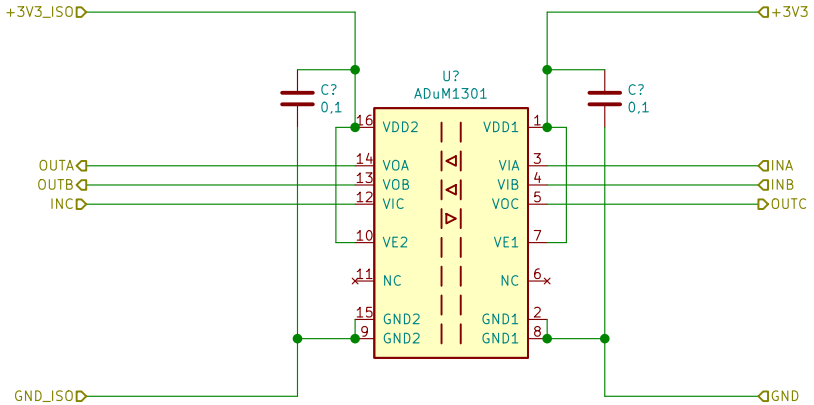
Isolator for thermocouple



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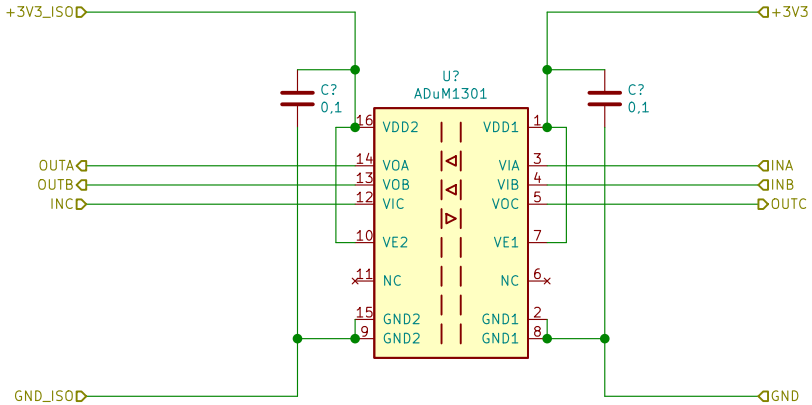
File: Isolator.sch

Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.10)-1		Id: 14/18

Isolator for thermocouple



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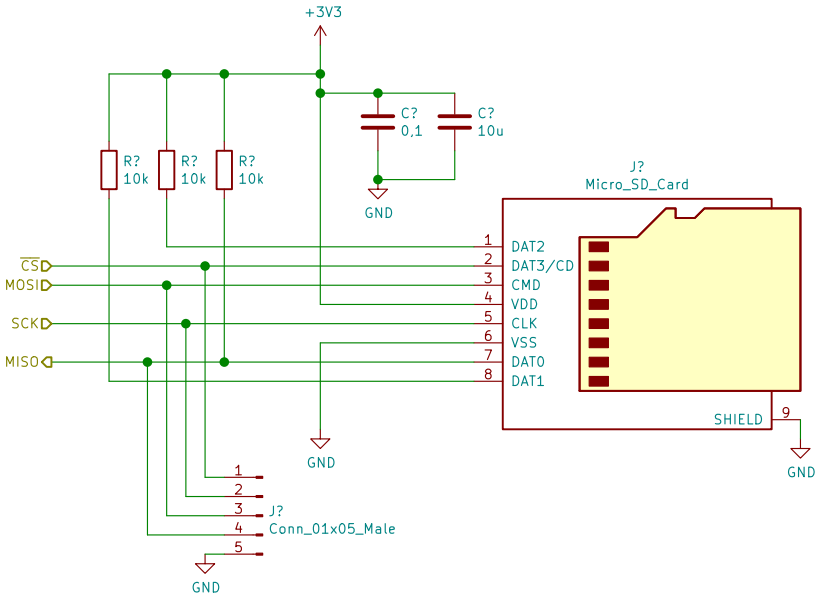
KiCad E.D.A. kicad (5.1.10)-1		Id: 15/18

Micro-SD card connector



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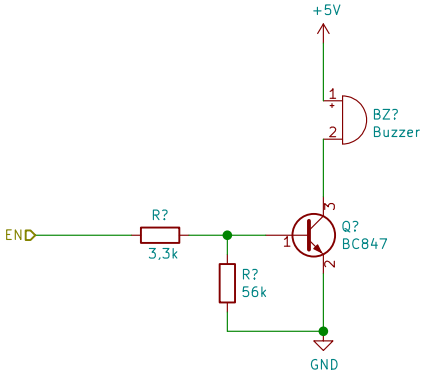
KiCad E.D.A. kicad (5.1.10)-1		Id: 16/18

Buzzer



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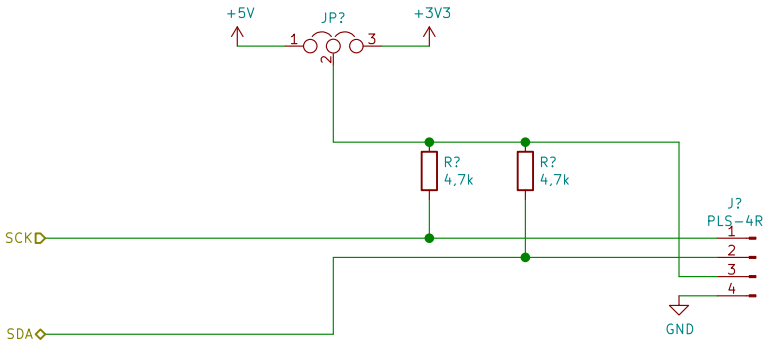
KiCad E.D.A. kicad (5.1.10)-1		Id: 17/18

I2C display connector
for OLED or LCD display



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