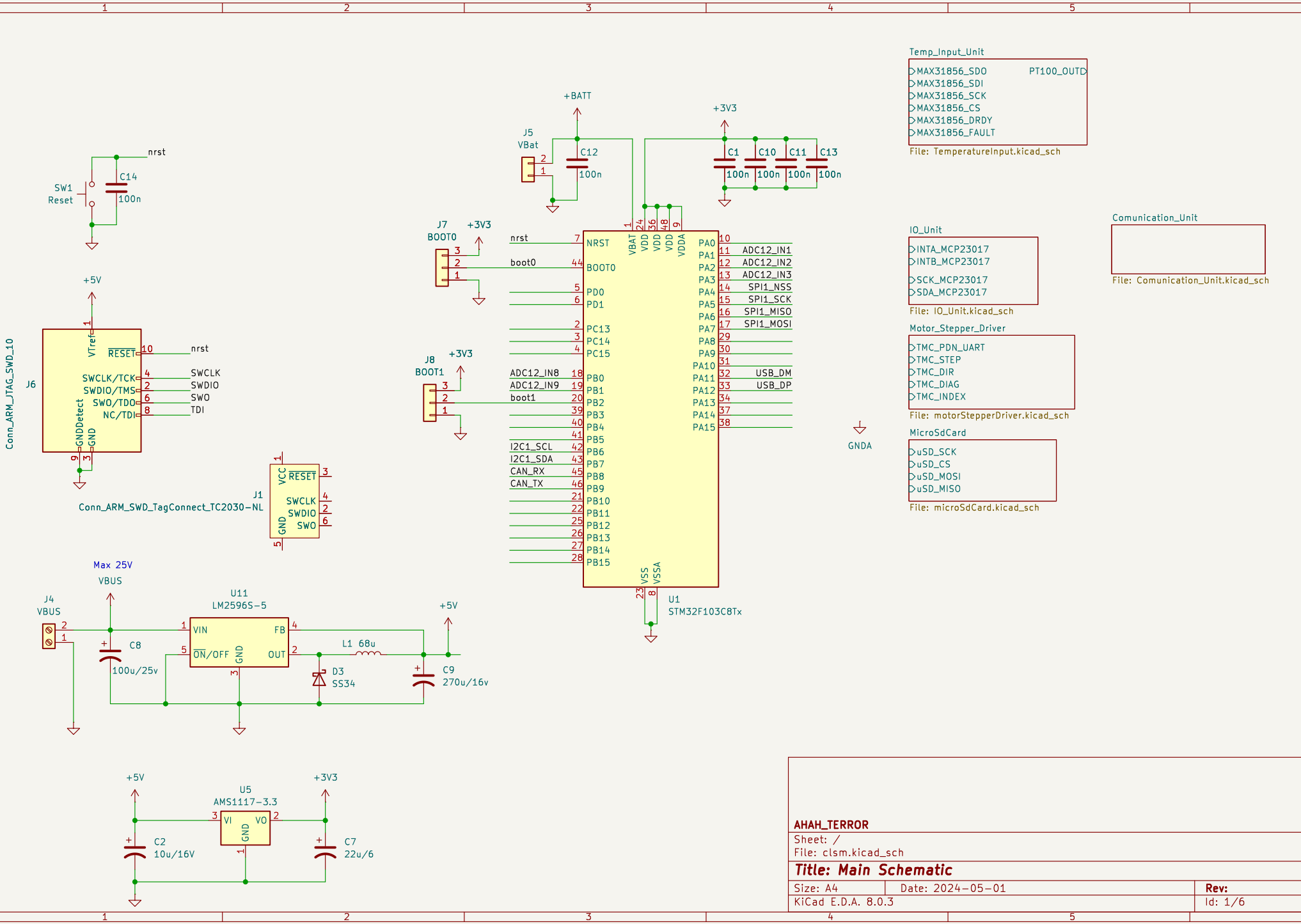
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MAX31856_SDI
MAX31856_SCK
MAX31856_CS
MAX31856_DRDY
MAX31856_FAULT
PT100_OUTD
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IO_Unit
INTA_MCP23017
INTB_MCP23017
SCK_MCP23017
SDA_MCP23017
File: IO_Unit.kicad_sch
Comunication_Unit
File: Comunication_Unit.kicad_sch
Motor_Stepper_Driver
TMC_PDN_UART
TMC_STEP
TMC_DIR
TMC_DIAG
TMC_INDEX
File: motorStepperDriver.kicad_sch
MicroSdCard
uSD_SCK
uSD_CS
uSD_MOSI
uSD_MISO
File: microSdCard.kicad_sch
+BATT
+3V3
+5V
nrst
SW1
Reset
C14
100n
J5
VBat
C12
C1
C10
C11
C13
J7
BOOT0
J8
BOOT1
boot0
boot1
J6
Conn_ARM_JTAG_SWD_10
SWCLK
SWDIO
SWO
TDI
J1
Conn_ARM_SWD_TagConnect_TC2030-NL
GNDA
U1
STM32F103C8Tx
ADC12_IN1
ADC12_IN2
ADC12_IN3
SPI1_NSS
SPI1_SCK
SPI1_MISO
SPI1_MOSI
USB_DM
USB_DP
I2C1_SCL
I2C1_SDA
CAN_RX
CAN_TX
Max 25V
VBUS
J4
U11
LM2596S-5
C8
100u/25v
L1 68u
D3
SS34
C9
270u/16v
U5
AMS1117-3.3
C2
10u/16V
C7
22u/6
AHAH_TERROR
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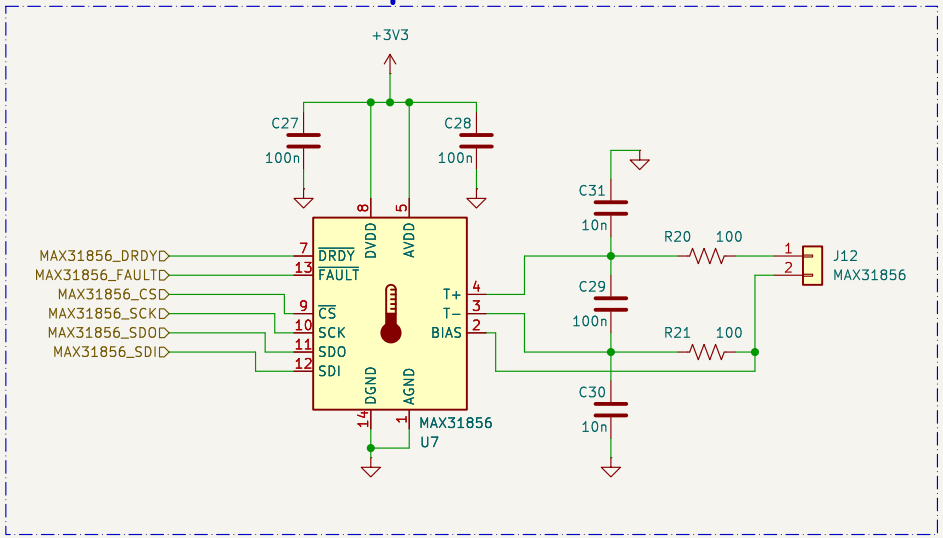
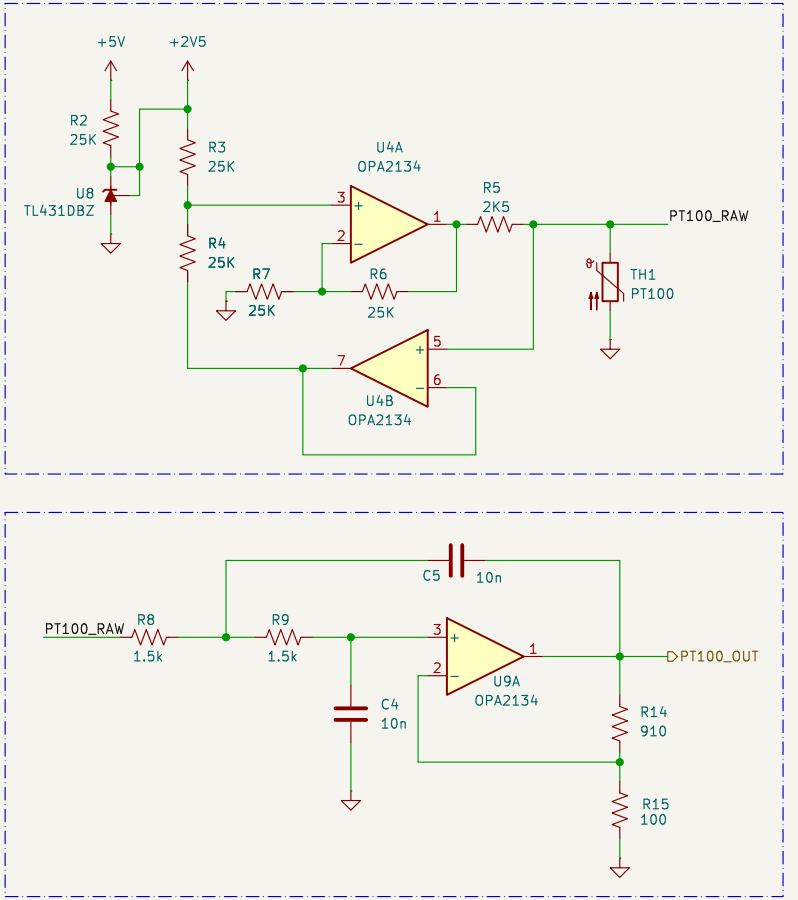
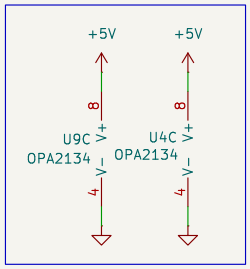
File: clsm.kicad_sch
Title: Main Schematic
Size: A4
Date: 2024-05-01
Rev:
KiCad E.D.A. 8.0.3
Id: 1/6

Universal Thermocouple Driver



RTD/PT100 Driver





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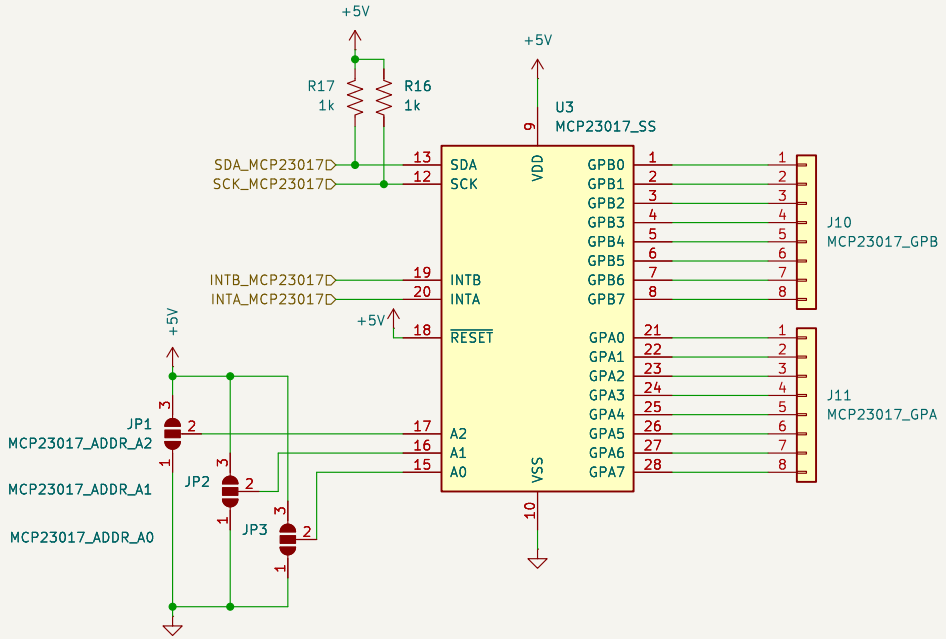
Size: A4	Date: 2024-05-23	Rev:
KiCad E.D.A. 8.0.3		Id: 2/6



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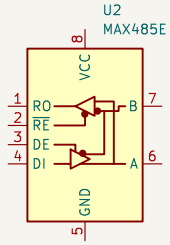
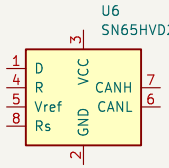
Size: A4	Date: 2024-05-23	**Rev:**
KiCad E.D.A. 8.0.3		Id: 3/6





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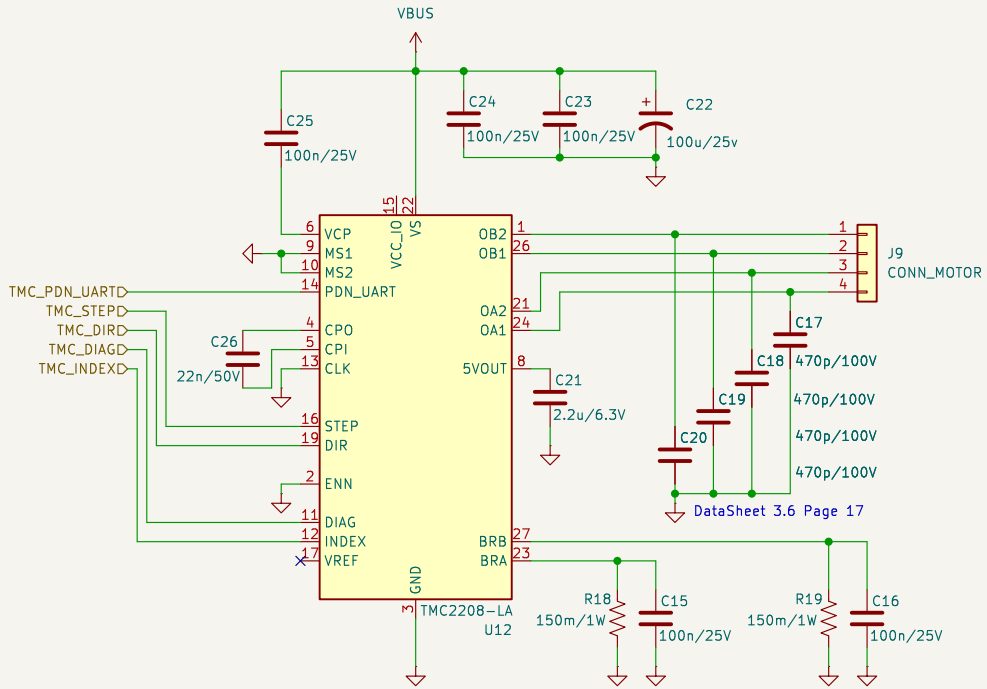
Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. 8.0.3		Id: 4/6



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Title: Motor Stepper Driver		
Size: A4	Date: 2024-05-23	**Rev:**
KiCad E.D.A. 8.0.3		Id: 6/6

Figure 4 shows a pinout for the standard SD card pinout and a micro SD card pinout.

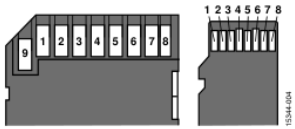


Figure 4. Standard SD Card and Micro SD Card Pinouts

The pinout for the standard SD card is described in Table 2.

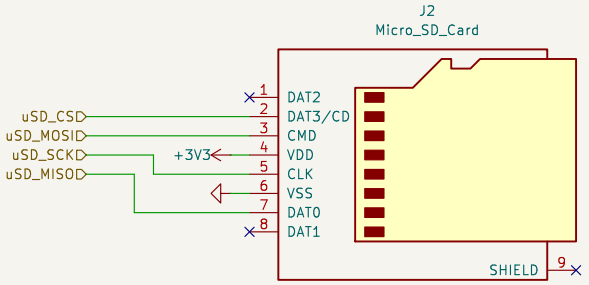
Table 2. Standard SD Card Functions

Pin No.	Name	SD Mode	SPI Mode
1	CS/DAT3	Data Line 3	Chip select
2	CMD/DI	Command line	MOSI
3	VSS1	Ground	Ground
4	VDD	Supply voltage	Supply voltage
5	CLK	Clock	Clock (SCK)
6	VSS2	Ground	Ground
7	DAT0	Data Line 0	MISO
8	DAT1	Data Line 1	Unused or IRQ
9	DAT2	Data Line 2	Unused

The pinout for the micro SD card is described in Table 3.

Table 3. Micro SD Card Functions

Pin No.	Name	SD Mode	SPI Mode
1	DAT2	Data Line 2	Unused
2	DAT3/CS	Data Line 3	Chip select
3	CMD	Command line	MOSI
4	VDD	Supply voltage	Supply voltage
5	CLK	Clock	Clock (SCK)
6	VSS	Ground	Ground
7	DAT0	Data Line 0	MISO
8	DAT1	Data Line 1	Unused or IRQ



AHAH_TERROR
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File: microSdCard.kicad_sch

Title: Micro SD Card Connector

Size: A4 | Date: 2024-05-23 | Rev:
KiCad E.D.A. 8.0.3 | Id: 7/6