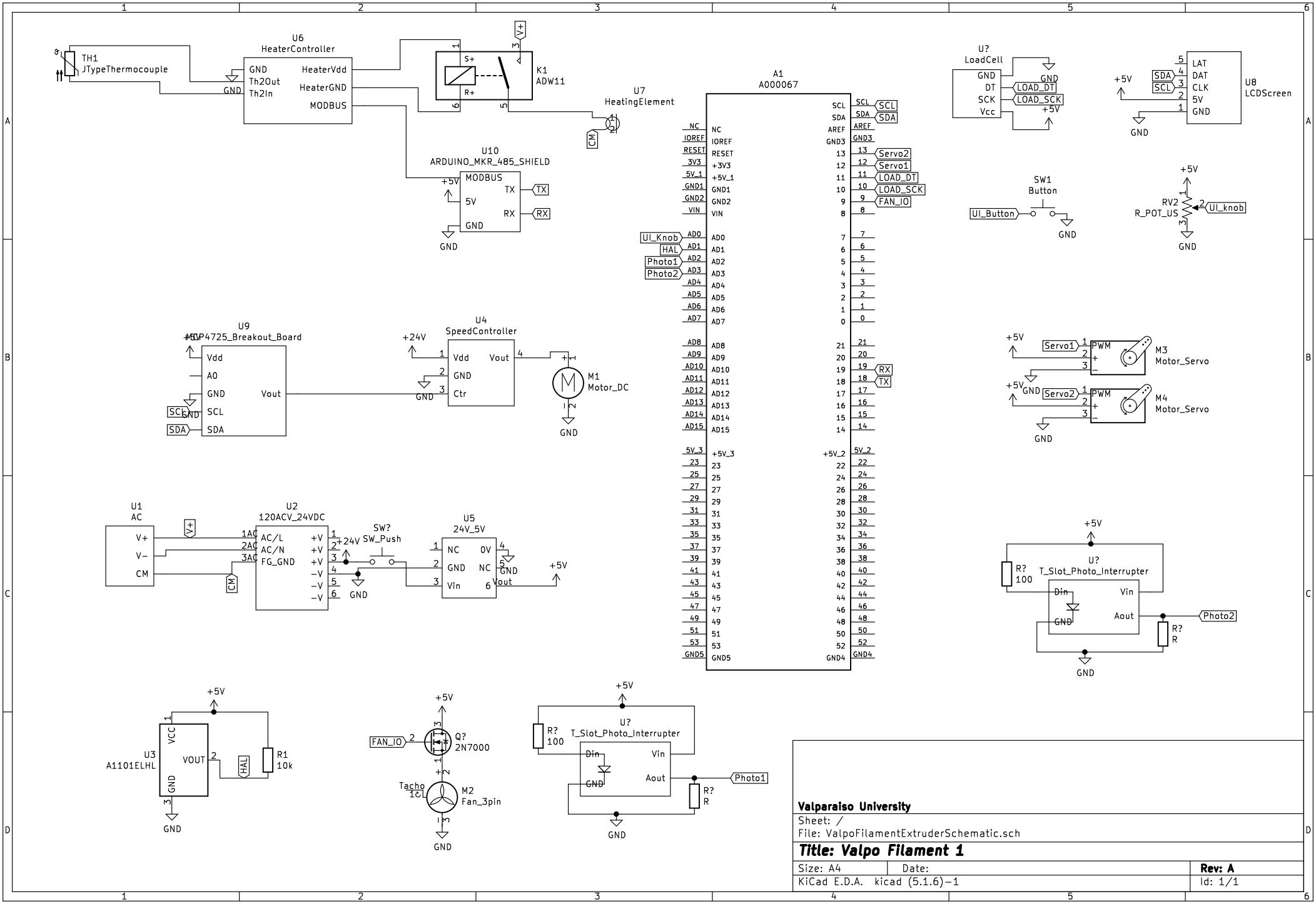
TH1
JTypeThermocouple
U6
HeaterController
GND
Th2Out
Th2In
HeaterVdd
HeaterGND
MODBUS
K1
ADW11
U7
HeatingElement
U10
ARDUINO_MKR_485_SHIELD
MODBUS
5V
GND
TX
RX
A1
A000067
U?
LoadCell
DT
SCK
Vcc
LOAD_DT
LOAD_SCK
U8
LCDScreen
LAT
DAT
CLK
5V
SDA
SCL
SW1
Button
UI_Button
RV2
R_POT_US
UI_knob
U9
MCP4725_Breakout_Board
Vdd
A0
Vout
U4
SpeedController
Ctr
M1
Motor_DC
M3
Motor_Servo
M4
Servo1
Servo2
PWM
U1
AC
V+
V−
CM
U2
120ACV_24VDC
AC/L
AC/N
FG_GND
SW?
SW_Push
U5
24V_5V
NC
OV
Vin
Vout
U?
T_Slot_Photo_Interrupter
Din
Aout
Photo2
R?
100
R?
R
U3
A1101ELHL
VCC
VOUT
HAL
R1
10k
Q?
2N7000
FAN_IO
Tacho
M2
Fan_3pin
Photo1
Valparaiso University
Sheet: /
File: ValpoFilamentExtruderSchematic.sch
Title: Valpo Filament 1
Size: A4
Date:
Rev: A
KiCad E.D.A. kicad (5.1.6)-1
Id: 1/1