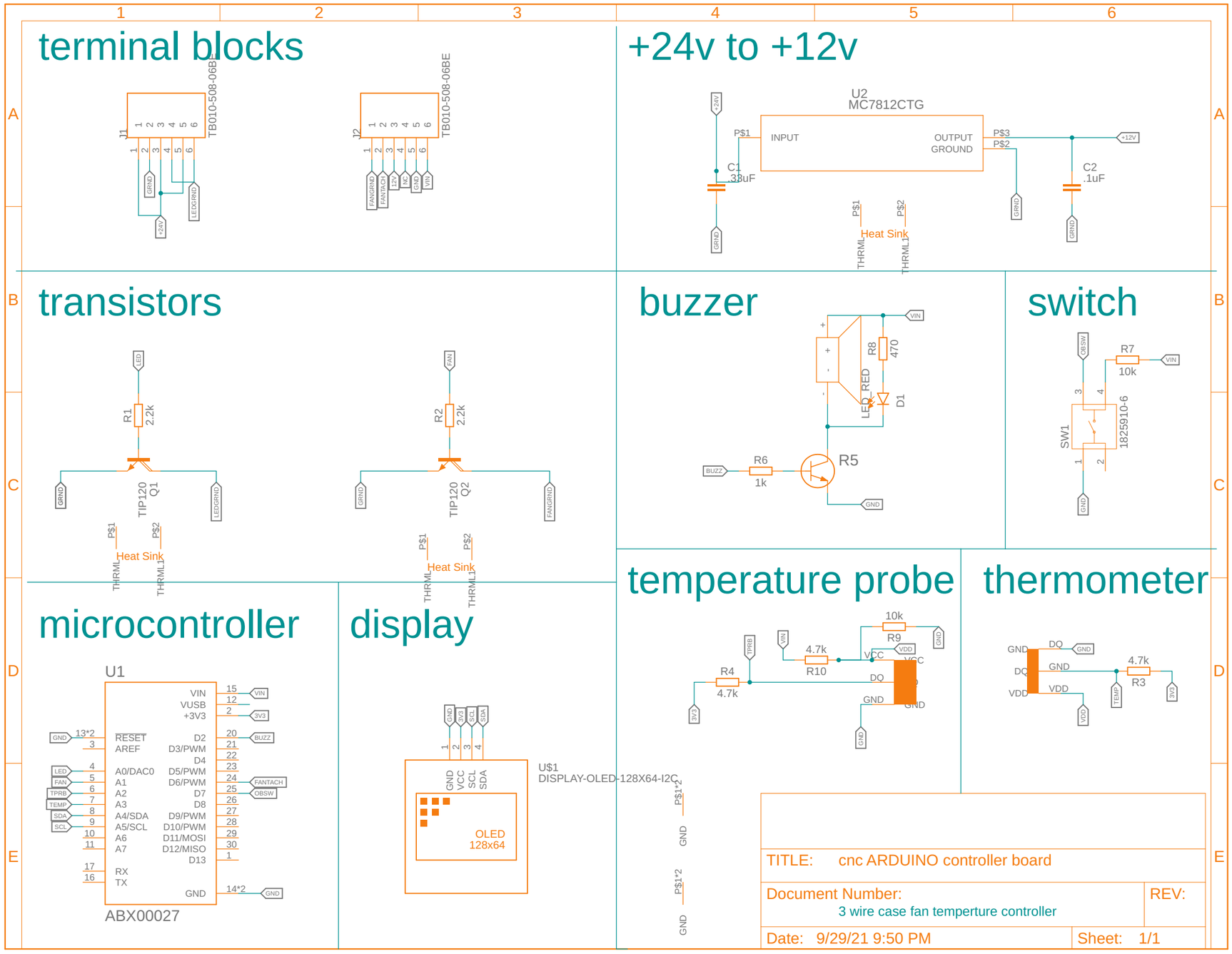
terminal blocks
J1
TB010-508-06BE
GRND
+24V
LEDGRND
J2
TB010-508-06BE
FANGRND
FANTACH
12v
NC
GND
VIN
+24v to +12v
U2
MC7812CTG
INPUT
OUTPUT
GROUND
P$1
P$2
P$3
C1
.33uF
C2
.1uF
+12V
GRND
Heat Sink
THRML
THRML1
transistors
LED
FAN
R1
2.2k
R2
2.2k
TIP120
Q1
TIP120
Q2
LEDGRND
FANGRND
buzzer
VIN
R8
470
LED_RED
D1
R6
1k
R5
BUZZ
GND
switch
OBSW
R7
10k
SW1
1825910-6
microcontroller
U1
ABX00027
VIN
VUSB
+3V3
RESET
AREF
A0/DAC0
A1
A2
A3
A4/SDA
A5/SCL
A6
A7
RX
TX
D2
D3/PWM
D4
D5/PWM
D6/PWM
D7
D8
D9/PWM
D10/PWM
D11/MOSI
D12/MISO
D13
GND
FANTACH
DBSW
BUZZ
display
U$1
DISPLAY-OLED-128X64-I2C
GND
VCC
SCL
SDA
OLED
128x64
temperature probe
R4
4.7k
R10
4.7k
R9
10k
VCC
DQ
GND
VDD
TPRB
thermometer
R3
4.7k
TEMP
TITLE: cnc ARDUINO controller board
Document Number:
3 wire case fan temperture controller
REV:
Date: 9/29/21 9:50 PM
Sheet: 1/1