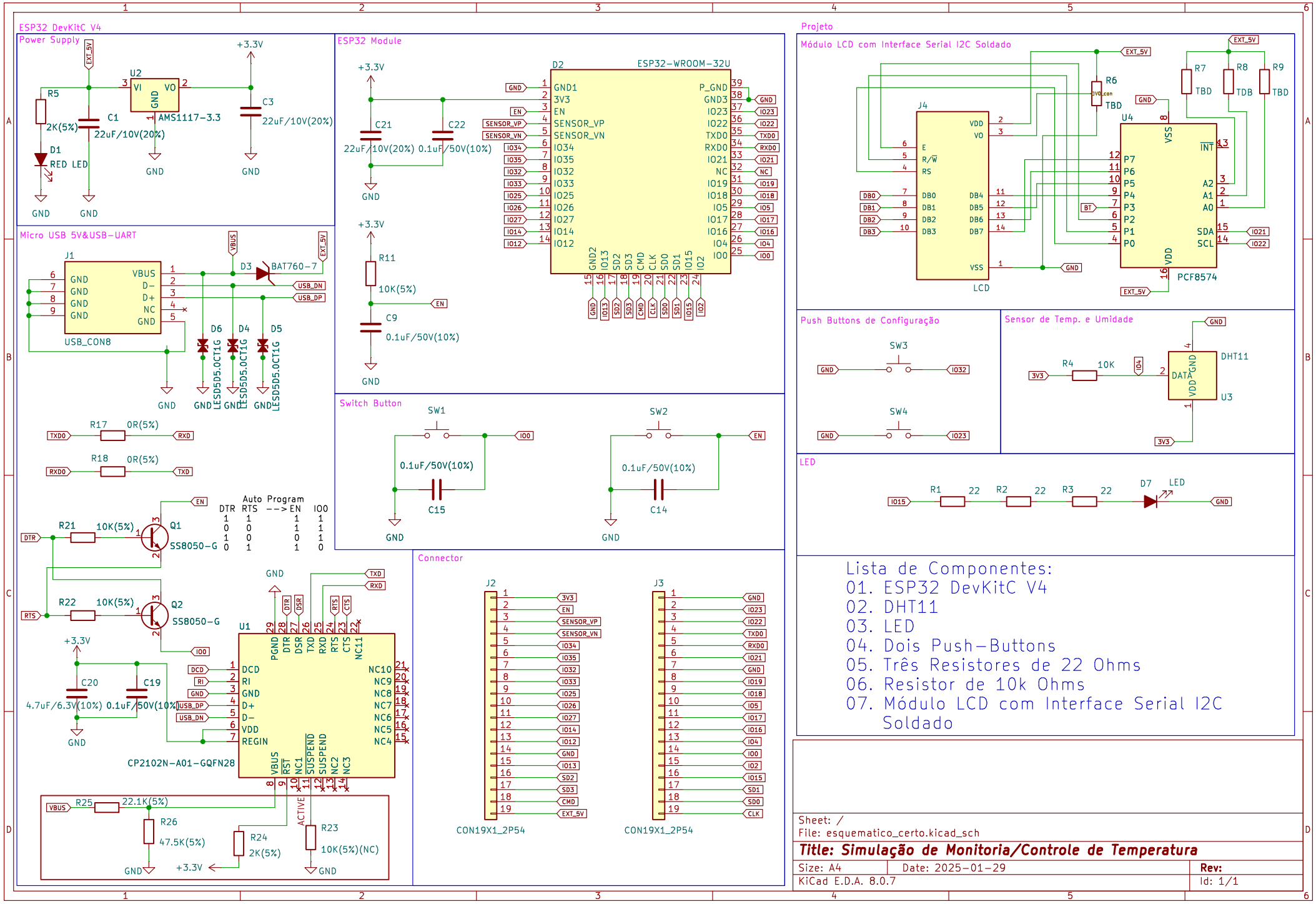
ESP32 DevKitC V4
Power Supply
U2
AMS1117-3.3
R5
2K(5%)
C1
22uF/10V(20%)
C3
22uF/10V(20%)
D1
RED LED
+3.3V
GND
ESP32 Module
D2
ESP32-WROOM-32U
C21
22uF/10V(20%)
C22
0.1uF/50V(10%)
R11
10K(5%)
C9
0.1uF/50V(10%)
Micro USB 5V&USB-UART
J1
USB_CON8
D3
BAT760-7
D6
D4
D5
LESD5D5.0CT1G
R17
0R(5%)
R18
0R(5%)
Auto Program
DTR RTS --> EN IO0
1 1 1 1
0 0 1 1
1 0 0 1
0 1 1 0
R21
10K(5%)
Q1
SS8050-G
R22
10K(5%)
Q2
SS8050-G
U1
CP2102N-A01-GQFN28
C20
4.7uF/6.3V(10%)
C19
0.1uF/50V(10%)
R25
22.1K(5%)
R26
47.5K(5%)
R24
2K(5%)
R23
10K(5%)(NC)
ACTIVE
Switch Button
SW1
SW2
0.1uF/50V(10%)
C15
C14
Connector
J2
J3
CON19X1_2P54
Projeto
Módulo LCD com Interface Serial I2C Soldado
J4
LCD
U4
PCF8574
R6
TBD
R7
TBD
R8
TDB
R9
TBD
Push Buttons de Configuração
SW3
SW4
Sensor de Temp. e Umidade
DHT11
U3
R4
10K
LED
R1
22
R2
22
R3
22
D7
LED
Lista de Componentes:
01. ESP32 DevKitC V4
02. DHT11
03. LED
04. Dois Push-Buttons
05. Três Resistores de 22 Ohms
06. Resistor de 10k Ohms
07. Módulo LCD com Interface Serial I2C Soldado
Sheet: /
File: esquematico_certo.kicad_sch
Title: Simulação de Monitoria/Controle de Temperatura
Size: A4
Date: 2025-01-29
Rev:
KiCad E.D.A. 8.0.7
Id: 1/1