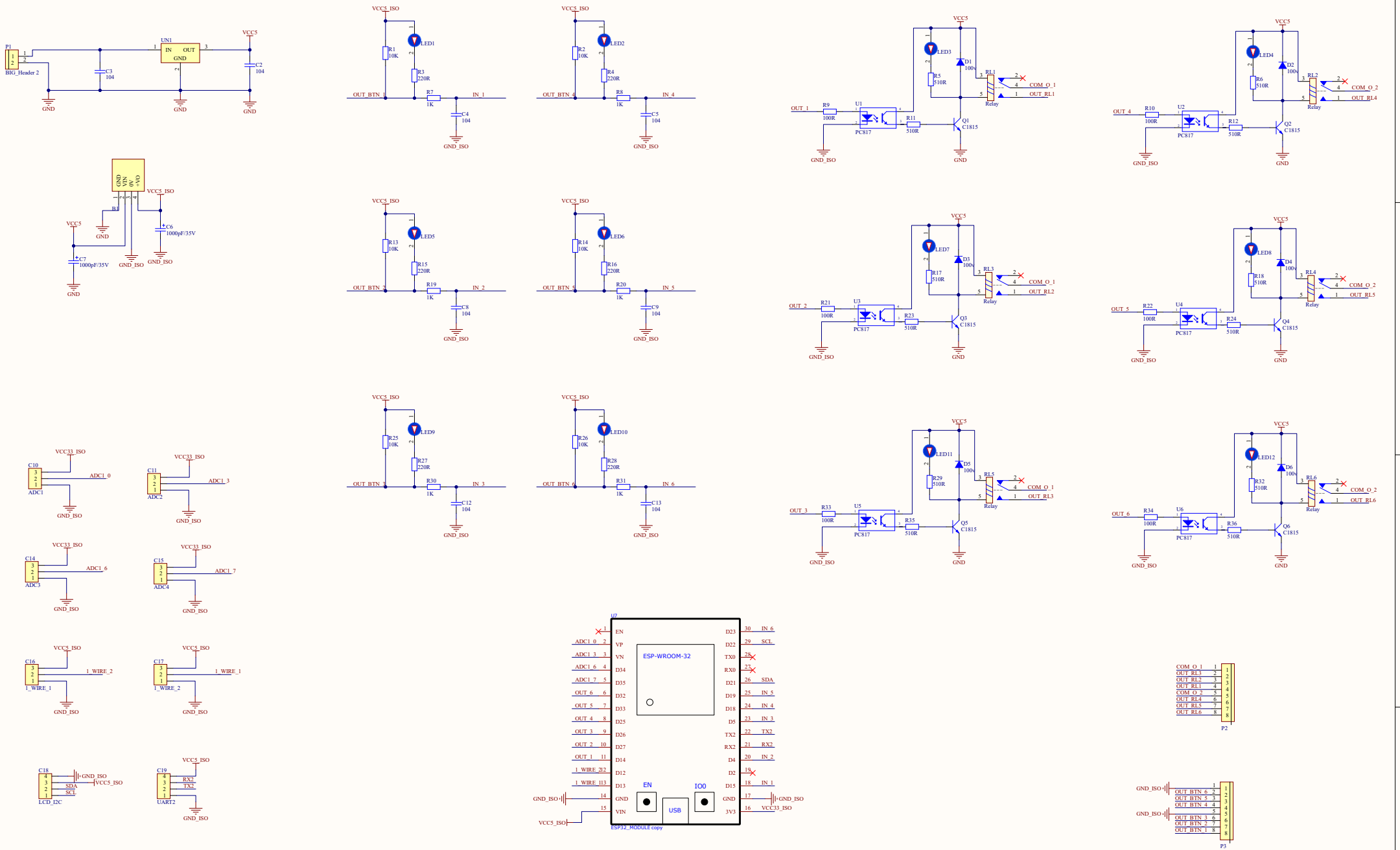
P1
BIG_Header 2
UN1
IN
OUT
GND
VCC5
C3
104
C2
104
GND
VCC5_ISO
LED1
R1
10K
R3
220R
R7
1K
C4
104
OUT_BTN_1
IN_1
GND_ISO
LED2
R2
10K
R4
220R
R8
1K
C5
104
OUT_BTN_4
IN_4
LED3
D1
100n
R5
510R
RL1
Relay
COM_O_1
OUT_RL1
OUT_1
R9
100R
U1
PC817
R11
510R
Q1
C1815
LED4
D2
100n
R6
510R
RL2
COM_O_2
OUT_RL4
OUT_4
R10
100R
U2
R12
510R
Q2
C1815
GND
VCC5_ISO
C6
1000pF/35V
C7
1000pF/35V
LED5
R13
10K
R15
220R
R19
1K
C8
104
OUT_BTN_2
IN_2
LED6
R14
10K
R16
220R
R20
1K
C9
104
OUT_BTN_5
IN_5
LED7
D3
100n
R17
510R
RL3
COM_O_1
OUT_RL2
OUT_2
R21
100R
U3
R23
510R
Q3
C1815
LED8
D4
100n
R18
510R
RL4
COM_O_2
OUT_RL5
OUT_5
R22
100R
U4
R24
510R
Q4
C1815
VCC33_ISO
C10
ADC1
ADC1_0
C11
ADC2
ADC1_3
C14
ADC3
ADC1_6
C15
ADC4
ADC1_7
C16
1_WIRE_1
1_WIRE_2
C17
C18
LCD_I2C
SDA
SCL
C19
UART2
RX2
TX2
LED9
R25
10K
R27
220R
R30
1K
C12
104
OUT_BTN_3
IN_3
LED10
R26
10K
R28
220R
R31
1K
C13
104
OUT_BTN_6
IN_6
LED11
D5
100n
R29
510R
RL5
COM_O_1
OUT_RL3
OUT_3
R33
100R
U5
R35
510R
Q5
C1815
LED12
D6
100n
R32
510R
RL6
COM_O_2
OUT_RL6
OUT_6
R34
100R
U6
R36
510R
Q6
C1815
U7
ESP-WROOM-32
EN
IO0
USB
ESP32_MODULE copy
P2
P3