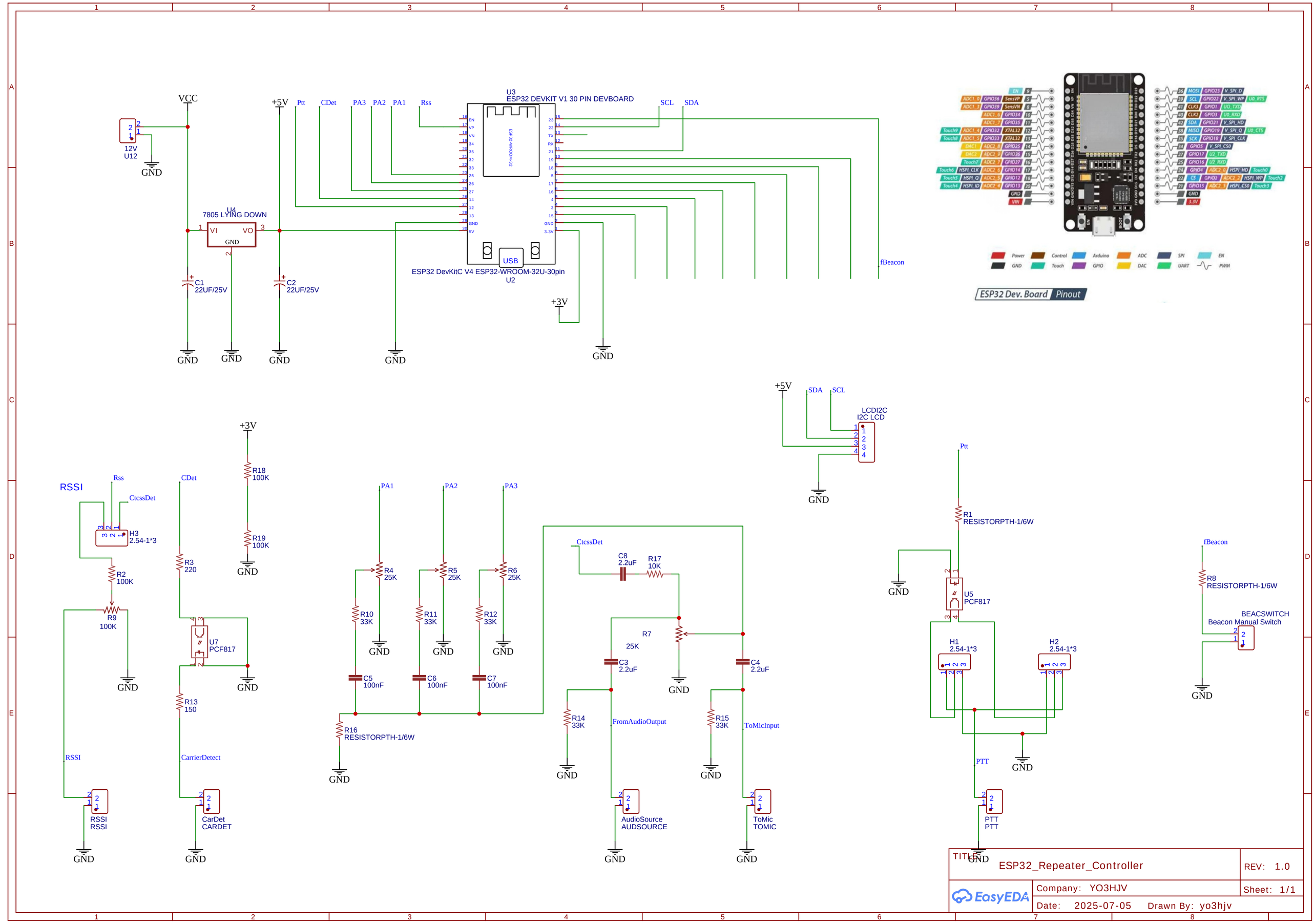
ES1
ESP32-WEMOS-D1-MINI SMALL
U3
ESP32 DEVKIT V1 30 PIN DEVBOARD
ESP32 DevKitC V4 ESP32-WROOM-32U-30pin
U2
U4
7805 LYING DOWN
12V
U12
VCC
+5V
+3V
GND
Ptt
CDet
PA3
PA2
PA1
Rss
SCL
SDA
fBeacon
C1
22UF/25V
C2
22UF/25V
LCDI2C
I2C LCD
RSSI
CtcssDet
H3
2.54-1*3
R2
100K
R9
100K
R3
220
R13
150
U7
PCF817
R18
100K
R19
100K
R4
25K
R5
25K
R6
25K
R10
33K
R11
33K
R12
33K
C5
100nF
C6
100nF
C7
100nF
R16
RESISTORPTH-1/6W
C8
2.2uF
R17
10K
R7
25K
C3
2.2uF
C4
2.2uF
R14
33K
R15
33K
FromAudioOutput
ToMicInput
CarrierDetect
RSSI
RSSI
CarDet
CARDET
AudioSource
AUDSOURCE
ToMic
TOMIC
R1
RESISTORPTH-1/6W
U5
PCF817
H1
2.54-1*3
H2
2.54-1*3
PTT
PTT
R8
RESISTORPTH-1/6W
BEACSWITCH
Beacon Manual Switch
ESP32 Dev. Board Pinout
TITLE
ESP32_Repeater_Controller
REV: 1.0
Company: YO3HJV
Sheet: 1/1
Date: 2025-07-05
Drawn By: yo3hjv
EasyEDA