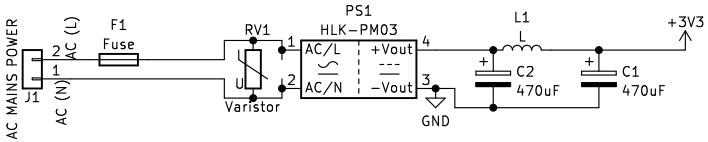
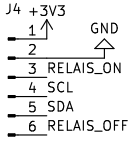


AC to 3.3V/5V DC converter



H5
MountingHole

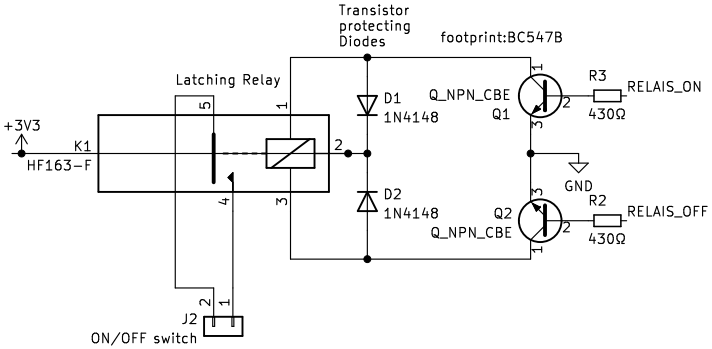
Transistor Q1 & Q2
pulldowns (optional)

FUSE 1A/300V, slow blow

R1 (wire-wound resistor, required) 12Ω / 2W
C1 and C11 is supposed to be only one CAP 22 uF but since is too big, we add two smaller 12 uF
UPDATE: In smaller round version 1.1 there was no place to put C1 so we excluded it from the board

C2 470µF/6.3V (solid-state capacitor)

L1 4.7µH max 60mΩ/2.2A



H1 MountingHole
H2 MountingHole
H3 MountingHole
H4 MountingHole

This mini-PCB goal is to connect any ESP32 board without batteries directly to the AC plug

Sheet:
File: 220AC-mini-C3-board.kicad_sch

Title: 220 AC to 3.3 DC converter with Latch Relay

Size: A4	Date: 2022-11-22	**Rev: 1.1**
KiCad E.D.A. kicad (7.0.0)		Id: 1/1