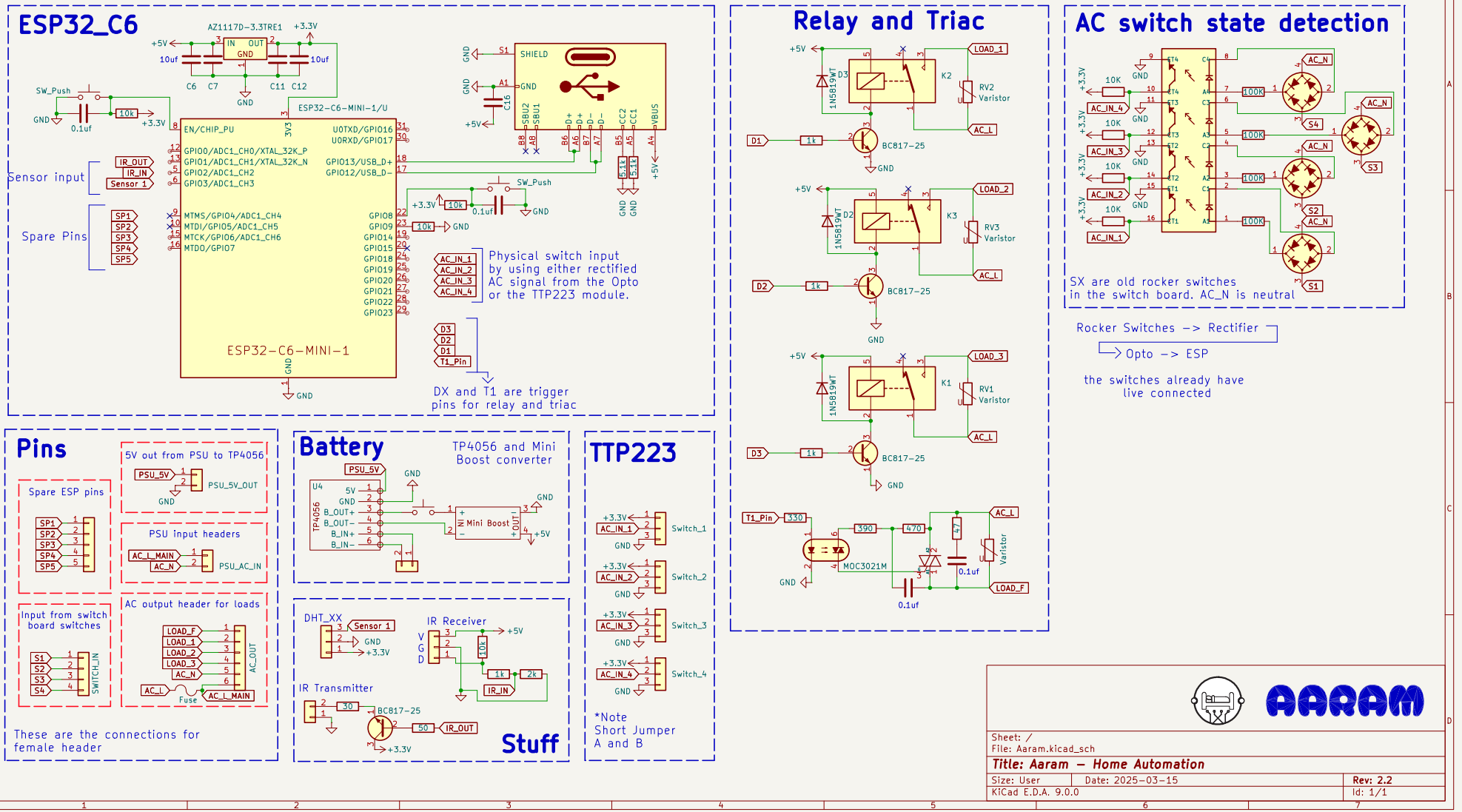
ESP32_C6
AZ1117D-3.3TRE1
ESP32-C6-MINI-1/U
ESP32-C6-MINI-1
SW_Push
Sensor input
Spare Pins
IR_OUT
IR_IN
Sensor 1
SP1
SP2
SP3
SP4
SP5
SHIELD
Physical switch input
by using either rectified
AC signal from the Opto
or the TTP223 module.
AC_IN_1
AC_IN_2
AC_IN_3
AC_IN_4
DX and T1 are trigger
pins for relay and triac
D3
D2
D1
T1_Pin
Relay and Triac
1N5819WT
BC817-25
LOAD_1
LOAD_2
LOAD_3
LOAD_F
AC_L
RV1 Varistor
RV2 Varistor
RV3 Varistor
MOC3021M
AC switch state detection
SX are old rocker switches
in the switch board. AC_N is neutral
Rocker Switches -> Rectifier
Opto -> ESP
the switches already have
live connected
Pins
Spare ESP pins
5V out from PSU to TP4056
PSU_5V
PSU_5V_OUT
PSU input headers
AC_L_MAIN
AC_N
PSU_AC_IN
Input from switch
board switches
S1
S2
S3
S4
SWITCH_IN
AC output header for loads
AC_OUT
Fuse
AC_L_MAIN
These are the connections for
female header
Battery
TP4056 and Mini
Boost converter
TP4056
Mini Boost
TTP223
Switch_1
Switch_2
Switch_3
Switch_4
*Note
Short Jumper
A and B
DHT_XX
IR Receiver
IR Transmitter
IR_IN
IR_OUT
Stuff
AARAM
Sheet: /
File: Aaram.kicad_sch
Title: Aaram – Home Automation
Size: User
Date: 2025-03-15
Rev: 2.2
KiCad E.D.A. 9.0.0
Id: 1/1