



On the TR25 badge, IO1 is connected to the audio DAC output (SPKR) and IO2 is used to drive the SAO's LED's. This is contrary to the SAO standard. R2 is provided to allow a compliant badge to drive the LED's through IO1, whilst attenuating the SPKR signal if the TR25 badge is driving the LED's from IO2.

R1 provides a pull down to detect the SAO is present. It has a relatively low value to overcome the nominal 45k pull up in the ESP32-S3's GPIO pin.

Sheet: /
File: tr25-sao-r1.kicad_sch

Title:

Size: A4
KiCad E.D.A. 9.99.0-unknown

Date:

Rev:

Id: 1/1