







Operation

Latching relays are toggled by either the RLC6 (only 1-7) or the ESP32. To toggle a relay, follow this logic:

- 1) Energize the DIRECTION relay to SET or leave off to RESET
- 2) Wait 100ms
- 3) Energize the latching relay
- 4) Wait 100ms
- 5) De-energize the latching relay and the DIRECTION relay if on.

Terminal block J5 is meant for GPIO inputs, the ESP32 has internal pullups.

The ADS1115 has 4 16bit analog inputs available for general use. The default 12C address is 0x48H

Header strip J6 brings spare I/O from the ESP32 out and may be used in accordence with the Doit V1 spec.

Note:

If ADS1115 analog board is not populated add 4.7k I2C pullup resistors, see page 1.

16 Point Latching relay, I/O and Analog Baord RCL6 Connections and Operation Sheet: /RLC6/ File: rlc6.kicad sch Title: ESP32 Latching Relay Board Size: A4 Date: 2023-05-08 Rev: 1.0 KiCad E.D.A. kicad 7.0.6

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