

PACS

Sheet: /Power/
File: PACS_1.0_power.kicad_sch

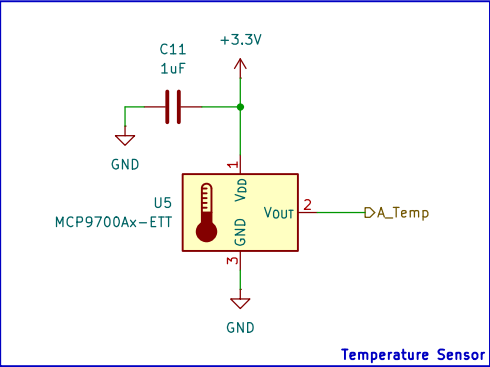
Title: Power

Size: A4
KiCad E.D.A. 8.0.6

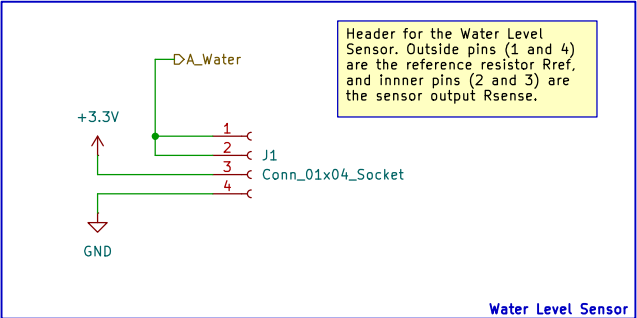
Date: 2024-12-04

Rev: 1.0

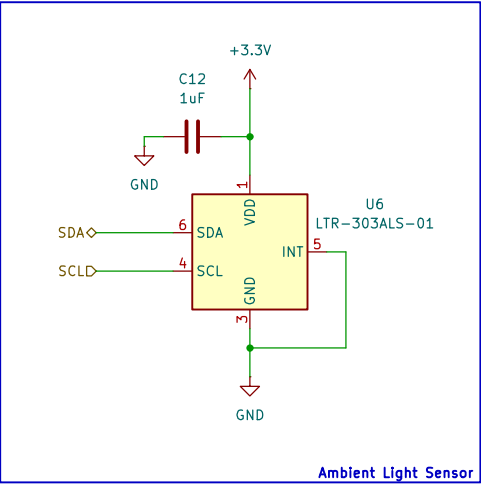
Id: 2/5



Temperature Sensor



Water Level Sensor



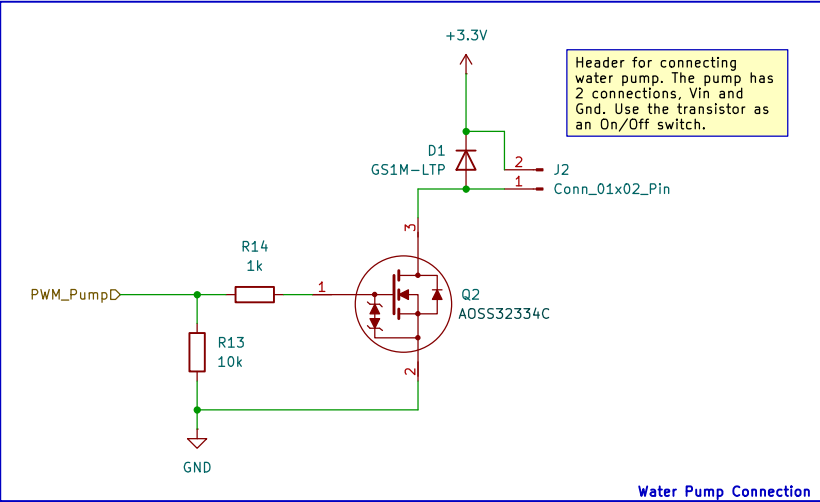
Ambient Light Sensor

PACS

Sheet: /Sensors/
File: PACS_1.0_sensors.kicad_sch

Title: Sensors

Size: A4	Date: 2024-12-04	Rev: 1.0
KiCad E.D.A. 8.0.6		Id: 3/5



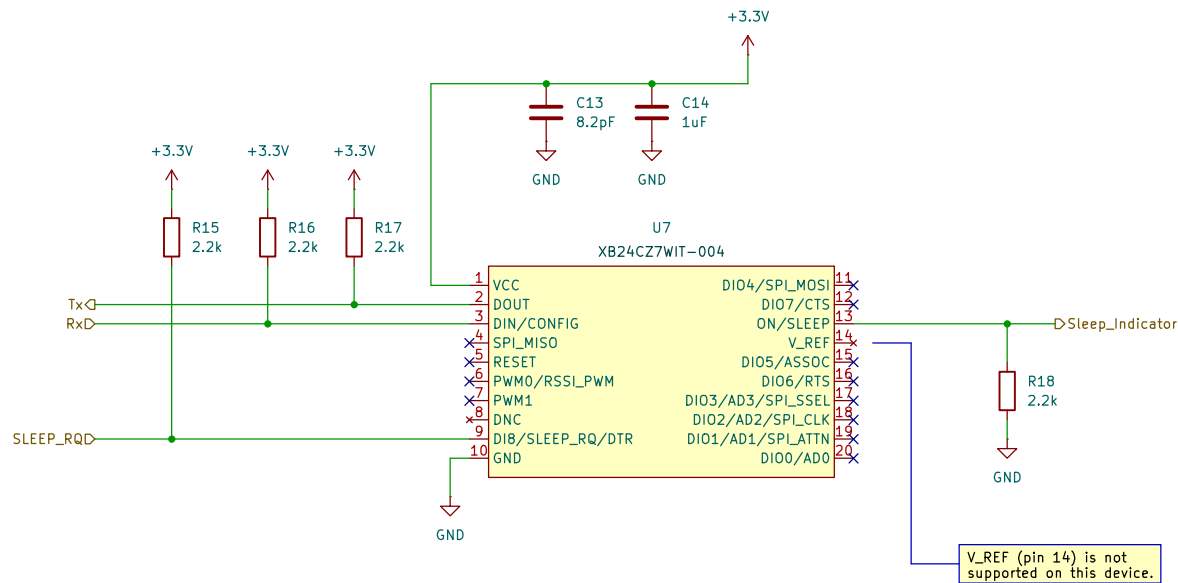
Water Pump Connection

PACS

Sheet: /Actuators/
File: PACS_1.0_actuators.kicad_sch

Title: Water Pump

Size: A4	Date: 2024-12-04	Rev: 1.0
KiCad E.D.A. 8.0.6		Id: 4/5



Module Sleep Information

- We are using SM = 5 (Sleep Mode 5): Cyclic Sleep with Pin Wake-up Mode.
- For SM = 5, a High to Low transition on SLEEP_RQ wakes the module for a set time. The module ignores a Low to High transition.
- ON_SLEEP Low means the module is asleep.

General Module Info

- When module is NOT transmitting data, signal should idle High for UART.
- Leave any unused pins disconnected.
- Internal resistance for pull-ups and pull-downs is 29k.
- No handshaking/flow-control on MCU so not using CTS/RTS.

PACS

Sheet: /Zigbee Module/
File: PACS_1.0_zigbee.kicad_sch

Title: Zigbee Module

Size: A4	Date: 2024-12-04	Rev: 1.0
KiCad E.D.A. 8.0.6		Id: 5/5