

[illegible]

The schematic diagram illustrates the ESP32-C3 module and its connections. Key components and connections include:

- Decoupling Caps:** A series of capacitors (C6, C7, C8, C9, C10, C11) connected to the +3V3 supply for power decoupling.
- UART:** Connections for TX (pin 1), RX (pin 2), and other pins (pins 3, 4) to a UART module.
- Reset & Boot:** A reset circuit involving a 10k resistor (R1), a 1uF capacitor (C4), and a switch (SW1) connected to the EN pin.
- Pull-Ups:** Pull-up resistors (R4, R5) connected to the GPIO8 and GPIO2 pins to +3V3.
- Antenna:** An antenna (AE1) connected to the ANT pin (pin 1) via a 1.8nH inductor (L1).
- Crystal:** A 40MHz crystal (Y1) connected to the XTAL pins (pins 29, 30) with 10pF capacitors (C14, C15) for timing.
- GPIOs:** Various GPIO pins (GPIO0, GPIO19, GPIO18, etc.) connected to different modules or components.
- Power Supply:** The +3V3 supply is connected to the VDDA, VDD3P3, and VDD3P3\_RTC pins.

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