

The image displays two circuit diagrams for the Hykker SE-0792 WiFi Plug with Power Meter.

Left Diagram (Internal Components):

- U1 BL0937:** An AC-to-DC converter. Its inputs are **AC-MEAS-HI** (pin 2) and **AC-MEAS-LO** (pin 3). Its output **VP** (pin 4) is connected to **+3V3**. Other pins include **Vdd** (pin 1), **SEL** (pin 8), **IN** (pin 3), **CF1** (pin 7), **CF** (pin 6), and **GND** (pin 5).
- R14 1k** and **R4 1k** are connected between **+3V3** and **SEL** (pin 8).
- R21 1k** is connected between **+3V3** and **CF** (pin 6).
- R21- Not soldered.** is noted.
- M ESP8266-EDGE1:** A microcontroller. Its **Vdd** (pin 8) is connected to **+3V3**. Its **GND** (pin 7) is connected to **GND**. Other pins include **ADC** (pin 1), **IO12** (pin 2), **IO15** (pin 3), **IO2** (pin 4), **IO5** (pin 5), **TX** (pin 6), **CHPD** (pin 14), **IO14** (pin 13), **IO13** (pin 12), **IO0** (pin 11), **IO4** (pin 10), **RX** (pin 9), and **RL** (pin 14).
- R13 10k** is connected between **+3V3** and **SEL** (pin 8).
- R6 10k** is connected between **+3V3** and **TX** (pin 6).
- RS-TX** and **RS-RX** are connected to the **TX** and **RX** pins, respectively.
- LED BLUE-half** is connected to **IO13** (pin 12) and **GND**.
- SW** is connected to **IO14** (pin 13) and **GND**.
- CF1** is connected to **IO15** (pin 3) and **GND**.

Right Diagram (External Connections):

- Q1 2N7002:** An N-channel MOSFET. Its **gate** (pin 1) is connected to **RL** (pin 14 of the microcontroller). Its **drain** (pin 2) is connected to **+3V3**. Its **source** (pin 3) is connected to **GND**.
- Q2 S8550:** An NPN transistor. Its **base** (pin 1) is connected to **+3V3**. Its **emitter** (pin 3) is connected to **GND**. Its **collector** (pin 2) is connected to **LED RED-half**.
- R23 1k** and **R24 10k** are connected between **+3V3** and the **base** (pin 1) of **Q2**.
- R5 3k3** is connected between **+3V3** and the **emitter** (pin 3) of **Q2**.
- SW1 ON/OFF** is connected to **+3V3** and **GND**.
- R2 10k** is connected between **+3V3** and **SW1**.
- LED** is connected to **+3V3** and **GND**.
- RS-TX** and **RS-RX** are connected to the **TX** and **RX** pins, respectively.

