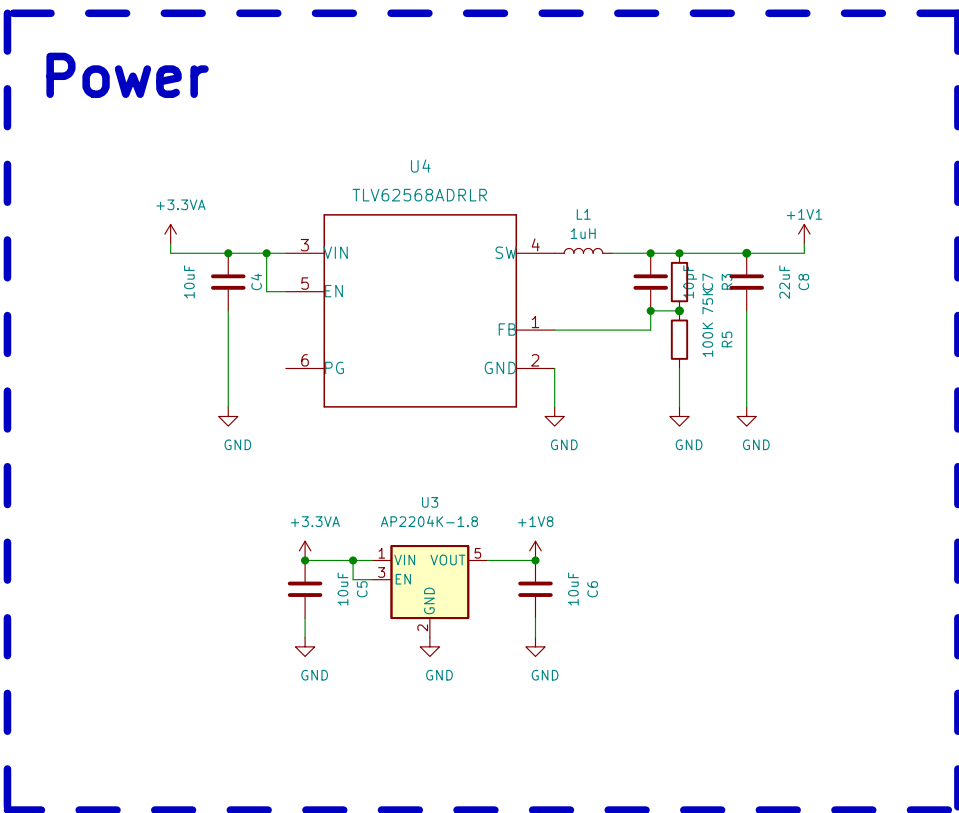


## M.2

The diagram illustrates the pin configuration for an M.2 connector. The central component is a yellow rectangular chip with various pins. The connections are as follows:

- Left Side (Pins 50-7):**
  - 50: PCIe\_RST
  - 52: PCIe\_CLK\_REQ
  - 54: PE\_WAKE
  - 49: PCIe\_TX\_N
  - 47: PCIe\_TX\_P
  - 45: PCIe\_RX\_N
  - 43: PCIe\_RX\_P
  - 33: PERn0/SATA-A+
  - 31: PERn0/SATA-A-
  - 29: PERn0/SATA-B+
  - 27: PERn0/SATA-B-
  - 25: PETp1
  - 23: PETn1
  - 21: PERp1
  - 19: PERn1
  - 17: PETp2
  - 15: PETn2
  - 13: PERp2
  - 11: PERn2
  - 9: PETp3
  - 7: PETn3
- Right Side (Pins 10, 69, 68):**
  - 10: PCIe\_LED
  - 69: PEDET
  - 68: SUSCLK
- Bottom (Pins 38, 58, 57):**
  - 38: DEVSLP
  - 58: REFCLKp
  - 57: REFCLKn
- Power and Ground:**
  - Top: +3.3VA, Bus\_M.2, Socket\_M
  - Bottom: GND, GND



# Coral Module

The diagram illustrates the internal circuitry of the Coral Module, centered around the G313-06329-00 chip. The chip is connected to various external components and power sources.

**Power Connections:**

- +1V8:** Connected to VIN of the G313-06329-00 chip and the VDD of the USB3\_Rx14 and USB3\_Rx1 chips.
- +3.3VA:** Connected to the VDD of the USB3\_Rx14 and USB3\_Rx1 chips.
- +1V8:** Connected to the VDD of the TPU\_USB\_SEL and TPU\_RST chips.
- +3.3VA:** Connected to the VDD of the TPU\_USB\_SEL and TPU\_RST chips.

**Chip Connections:**

- G313-06329-00:** The main chip, with pins 1 through 14 connected to various components.
- USB3\_Rx14 and USB3\_Rx1:** USB3 receiver chips connected to the USB3\_TX1 and USB3\_TX4 pins of the G313-06329-00 chip.
- TPU\_USB\_SEL and TPU\_RST:** TPU control chips connected to the TPU\_USB\_SEL and TPU\_RST pins of the G313-06329-00 chip.
- TPU\_USB\_DP and USB\_TPU1\_DN:** TPU control chips connected to the TPU\_USB\_DP and USB\_TPU1\_DN pins of the G313-06329-00 chip.

**Other Components:**

- C13, C16, C17:** Capacitors connected to the +1V8 power lines.
- R13, R14, R15, R16:** Resistors connected to the +1V8 power lines.
- C24, C25, C26, C27, C28, C29, C30:** Capacitors connected to the +3.3VA power lines.

