

# USB-C PD monitor

**ESP01s microcontroller**

**Programmer can power PD monitor**

**INA219 current sensing**

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The diagram shows a step-down converter circuit. The input is labeled **PWR\_FLAG** and **VIN**. The IC is **U5 AP6203WU**. The input pin **IN** (pin 3) is connected to **VIN**. The enable pin **EN** (pin 2) is connected to ground through capacitor **C3 10μ**. The feedback pin **FB** (pin 1) is connected to the output through a voltage divider consisting of resistor **R8 1k** and diode **D2 red**. The output is labeled **+3.3V**. The switching node (pin 5) is connected to the output through inductor **L1 4μ7** and capacitor **C4 100n**. The bootstrap pin **BW** (pin 6) is connected to the switching node through capacitor **C5 22μ**. The output filter capacitor **C6 22μ** is connected to the output. The ground pin **GND** (pin 4) is connected to ground.

	U6	U7	U8
	~	~	~
	JLPCPB	JLPCPB	JLPCPB

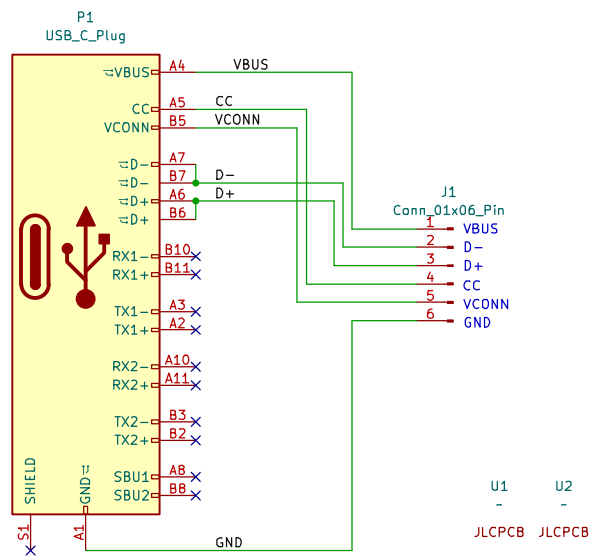
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# USB-C plug breakout



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