

[illegible]

**USB CHARGING PORT CONTROLLER**

The schematic shows the **TPS2547RTER** IC (IC2) connected to a USB port and a battery. The IC has two main sections: a USB port interface and a battery management section.

**USB Port Interface:**

- Inputs:** IN (pin 1), DM\_OUT (pin 2), DP\_OUT (pin 3), ILIM\_SEL (pin 4).
- Outputs:** OUT (pin 12), DM\_IN (pin 11), DP\_IN (pin 10), STATUS (pin 9).
- Internal Components:** EN (pin 5), CT11 (pin 6), CT12 (pin 7), CT13 (pin 8).

**Battery Management Section:**

- Inputs:** ILIM\_HI (pin 17), ILIM\_LO (pin 16), ILIM\_LG (pin 15), GND (pin 14), FAULT (pin 13).
- Outputs:** PWR\_CTRL\_OUT (pin 1), USB\_ILM- (pin 2), USB\_ILM+ (pin 3), STATUS (pin 4).
- Internal Components:** PWR\_CTRL\_OUT (pin 1), USB\_ILM- (pin 2), USB\_ILM+ (pin 3), STATUS (pin 4).

**Mounting Holes:** H1, H2, H3, H4.

**USB-F1 Connector:** MH1, MH2, MH3, MH4.

**Internal Components:** PWR\_CTRL\_OUT, USB\_ILM-, USB\_ILM+, STATUS, EN, CT11, CT12, CT13, ILIM\_HI, ILIM\_LO, ILIM\_LG, GND, FAULT, PWR\_CTRL\_OUT, USB\_ILM-, USB\_ILM+, STATUS, EN, CT11, CT12, CT13, ILIM\_HI, ILIM\_LO, ILIM\_LG, GND, FAULT.

**RF**

**OSCILLATOR**

**RESET**

**BOOT**

Charge Abort Bluetooth System

Vaneck DJOU'OU MVONDO

**VMTech**

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**Title: CABS**

Size: A4 Date: 2024-09-14

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