

Diagram of the PM254V-12-08-H85 connector showing pin connections. GP43 is connected to pin 1, GP41 to pin 2, GP42 to pin 3, and GP44 to pin 4. Pins 5, 6, 7, and 8 are marked with an 'X' and are not connected. The ground symbol is connected to pin 1.

Pin connection diagram for the ZX-PM2.54-1-20PY connector. The diagram shows a 20-pin connector with pins numbered 1 to 20. Pins 1 through 10 are connected to GP45, GP46, GP27, GP28, GP29, GP30, GP31, GP32, GP33, and GP34 respectively. Pins 11 through 20 are connected to GP35, GP36, GP37, GP38, GP39, GP40, GP41, GP42, GP43, and GP44 respectively. The ground pin (pin 20) is connected to GND.

The schematic diagram illustrates the internal circuit of a USB-C to USB-A adapter. The USB-C connector on the left is connected to a USB-A connector on the right. The USB-C pins include USB-DP, USB-DM, 5VIN, 5V, R172, R33, and GND. The USB-A pins include 5VIN, USB-DM, USB-DP, and GND. The internal circuit features a USB2 chip, a 5V regulator (U1), a 1MΩ resistor (R33), and a 0402WGF5010TCE component (R171). The 5V regulator is connected to the 5VIN pin of the USB-C connector and the 5V pin of the USB-A connector. The 1MΩ resistor (R33) is connected between the 5V and GND pins of the USB-C connector. The 0402WGF5010TCE component (R171) is connected between the 5VIN and GND pins of the USB-A connector. The USB2 chip is connected to the USB-DP and USB-DM pins of both connectors. The GND pins of both connectors are connected to the GND pin of the USB2 chip.

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The schematic diagram illustrates a battery-powered system. It features a microcontroller (U30, DW01) connected to a battery (BAT+) and a battery switch (SW1, MSK-22D18G4 051). The system includes a power management section (POWERU2, TP4056) with a 100µF capacitor (C128) and a 2kΩ resistor (R156). A 100nF capacitor (C150) is connected to the battery. The system also includes a power management section (POWERU4, MT3608) with a 22µH inductor (L39) and a 220µF capacitor (C134). A 7.5kΩ resistor (R162) and a 1kΩ resistor (R160) are connected to the battery. The system includes a microcontroller (U30, DW01) with a 100nF capacitor (C150) and a 1kΩ resistor (R176). The system also includes a power management section (POWERU1, FS8205A) with a 1kΩ resistor (R176) and a 100nF capacitor (C150). The system includes a microcontroller (U30, DW01) with a 100nF capacitor (C150) and a 1kΩ resistor (R176). The system also includes a power management section (POWERU1, FS8205A) with a 1kΩ resistor (R176) and a 100nF capacitor (C150).

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