

The image displays six circuit diagrams for a LoRaWAN node, arranged in a 2x3 grid. The top row contains 'Switch', 'DC-DC3.3V', and 'MCU' diagrams. The bottom row contains 'Charger', 'Low Power', and a 'Pin Header' diagram. Each diagram is a detailed schematic showing components, their values, and connections. The 'Switch' diagram shows a USB port connected to solar and battery inputs. The 'DC-DC3.3V' diagram shows a buck converter for 3.3V regulation. The 'MCU' diagram shows an ESP32-S3-WROOM-1 with various pins connected. The 'Charger' diagram shows a USB-to-battery charging circuit. The 'Low Power' diagram shows a MOSFET-based power switch. The 'Pin Header' diagram shows connections for VIN, GND, S3_TXD, S3_RXD, IO0, and RESET.

Switch

power on/off switch
MS22D28G15

DC-DC3.3V

MCU

Charger

Low Power

Pin Header

22-05-7068-06

Version	V1.0
Date	20241025
Designer	Peter

[illegible]

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Modifier Charlin