

The diagram shows a USB power supply circuit. It starts with a USB connector providing 5V, D-, D+, ID, and GND signals. The 5V line passes through a 0.5A fuse (F1, MF-MSMF050) and a 1kΩ resistor (R1) before reaching the USB module (MUSB-SB-NE-S175). The USB module has pins for 5V, D-, D+, ID, and GND. The 5V line is also connected to an LED (LED1) through a current-limiting resistor (R2, 1kΩ) and a diode (D1, BLMSD2K25NLD) to the GND line. The LED is labeled "LED for checking the operation". The GND line is connected to the module's GND pin and the LED's cathode. The module's D- and D+ pins are connected to the USB connector's D- and D+ pins. The ID pin is connected to the USB connector's ID pin. The module's 5V pin is connected to the USB connector's 5V pin.

Title: EN715 ExpansionBoard

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