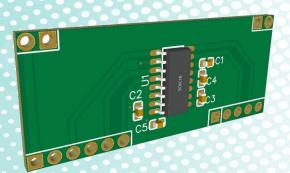


Power Meter Monitor

Model: PMM0915 Document version: 1.2 Date: October 2020



UART/TTL to RS232 Converter Module

KEY FEATURES AND SPECIFICATIONS

- Compatible with 3.3V and 5.0V power supply and signals
- Operates up to 250 Kbits/s
- Operating temperature: -40 to 80°C
- Very high EMC and EMI performance
- Electrical interference and noise is greatly reduced by the presence of a large copper area
- Low Supply Current: 300 μA (Typical)
- ESD Protection for RS-232 Bus Pins ±15-kV IEC ESD
- Module size: 43mm X 18mm X 3mm
- Vertical and horizontal mounting options, compatible with standard DIP/SIP pinout
- RoHS Compliant
- Proven PCB Layout

BOARD PINOUT

• Fully Assembled and Tested

12 13 14 15 PMM RS232 MOD V1.3 Image: Comparison of the second sec

DESCRIPTION

PMM0915 is a TTL to RS232 converter module via MAX232 TTL to RS-232 Interface chipset which allows ICs to use RS-232 differential signaling for robust long-distance serial communications. This module allows for data transmission and communication of a CPU/MCU with any RS232 device either using full mode (full duplex) or null mode (half duplex).

PMM0915 has \pm 15-kV IEC ESD protection pin to pin and operate at data signaling rates up to 250 Kbit/s and a maximum of 30-V/µs driver output slew rate. Moreover, it has the ability to work under difficult environmental conditions.

WIKING KS-232 WUDULE

The wiring is done through two options:

- From the RS232 device
 - 3 wires (null mode (half duplex)): TX, RX and Ground.
- 5 wires (full mode (full duplex)): TX, RX, CTS, RTS and Ground From the UART device
 - 3 wires (null mode (half duplex)): TX, RX and Ground.

• 5 wires (full mode (full duplex)): TX, RX, CTS, RTS and Ground The wires should ideally be twisted and shielded within one cable, this method is important as it runs for longer where there is a lot of electrical noise. The shield or the common ground is labeled as E in output side of the module.

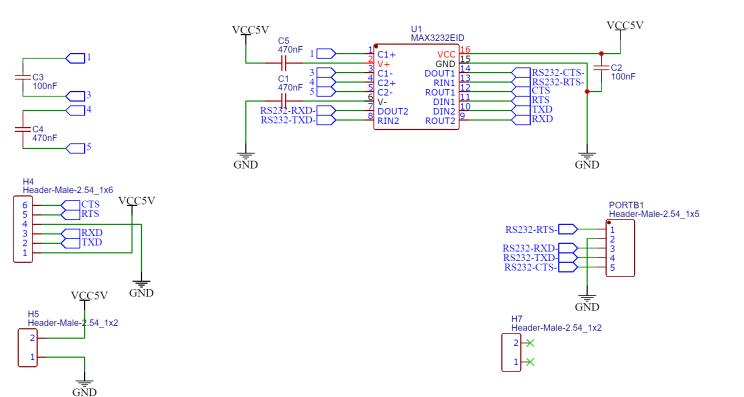
BOARD PINOUT DESCRIPTION

PINs	DESCRIPTION
1	CTS OUTPUT
2	TX OUTPUT
3	RX OUTPUT
4	SHIELD/COMMON GROUND
5	RTS OUTPUT
6	TTL/UART CTS
7	TTL/UART RTS
8	TTL/UART GND
9	TTL/UART RX
10	TTL/UART TX
11,15	(VCC) POWER SUPPLY: 5VDC OR
	3.3VDC
12,13	NOT CONNECTED
14	COMMON GROUND

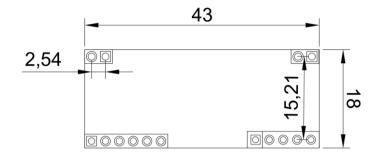


SCHEMATIC DIAGRAM

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DIMENSIONS (mm)





ORDERING INFORMATION

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 Part Number
 Description

 PMM0915
 UART/TTL to RS232 Converter Module

CUSTOMIZED REQUIREMENT

For any customized inquiries and orders, contact us on **info@Pmm-usa.us**

