

Evaluates: ADM6100

General Description

The ADM6100 evaluation kit (EV kit) is a fully assembled and tested board that demonstrates the capabilities of the ADM6100 half-duplex power-over-data (PoD) transceiver. It enables the PoD communication up to 2.5Mbps and typically operates with a 24V DC power supply. In addition, the ADM6100 EV kit supports the standard RS-485 communication, as featured by the ADM6100 transceiver.

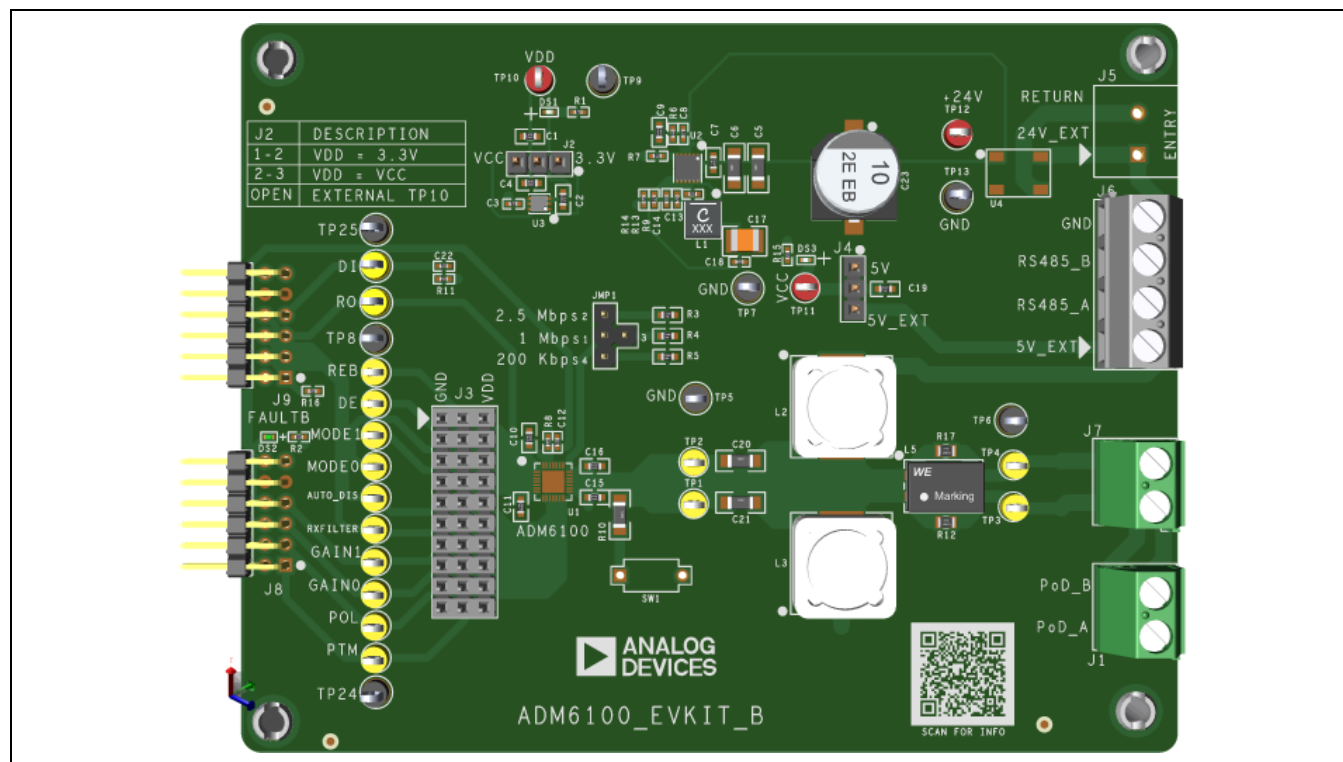
[Ordering Information](#) appears at the end of the data sheet.

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Features and Benefits

- Integrated PoD Encoding
 - Resistor-Controlled Encoding Frequency up to 2.5Mbps
 - Multiple TSYMBOL Options
 - DC Balance Maintained at Physical Layer
 - Supports 24V DC/1A PoD
 - On-Board Inductors to Support up to 1A Current Delivery
 - Receiver Gain Control
- RS-485 Backwards Compatibility Mode
 - Up to 20Mbps Data Rate
- Polarity Agnostic Operation
- $\pm 25V$ Protection on Pin A and Pin B
- Pmod Connectors for External MCU or FPGA Connection

ADM6100 Evaluation Board



Notes

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