
PXle-8361

Specifications

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Contents

PXIe-8361 Specifications 3

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Definitions

Warranted specifications describe the performance of a model under stated operating conditions and are covered by the model warranty.

Characteristics describe values that are relevant to the use of the model under stated operating conditions but are not covered by the model warranty.

- **Typical** specifications describe the performance met by a majority of models.
- **Nominal** specifications describe an attribute that is based on design, conformance testing, or supplemental testing.
- **Measured** specifications describe the measured performance of a representative model.

Specifications are **Typical** unless otherwise noted.

Conditions

This document lists the system specifications for the PXIe-8361 (115760A**x**-01L) only.



Note The specific NI assembly number in parentheses follows the model number. Ensure the specifications of interest match the NI assembly number on either the front or back side of the module. **x** denotes all letter revisions of the assembly.

Specifications are typical at 25 °C unless otherwise noted, and are subject to change without notice.

PXIe-8361 Pinout

Use the pinout to connect to terminals on the PXIe-8361.

Figure 1. PXle-8361 connector pinout

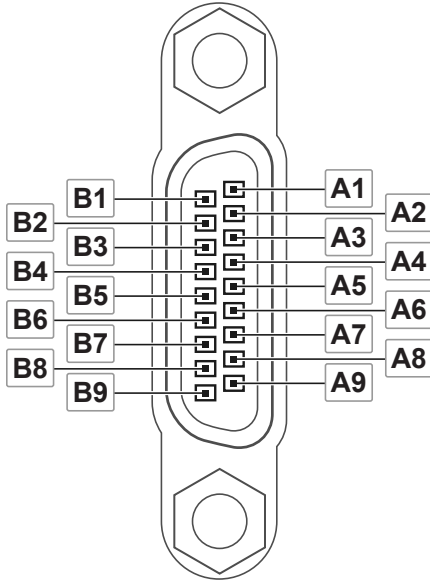


Table 1. Signal descriptions

Pin Number	Signal	Description	Note
A1	PERn0	Differential PCI Express receiver lane	—
A2	PERp0		—
A3	RSVD	Reserved	NC
A4	SB_RTN	Signal return for single-ended sideband signals	—
A5	CREFCLKn	Differential 100 MHz cable reference clock	—
A6	CREFCLKp		—
A7	PWR_RTN	Return for +3.3 V power	NC
A8	CPERST#	Cable PERST#	—
A9	GND	Ground reference for PCI Express transmitter lane	—
B1	GND	Ground reference for PCI Express receiver lane	—
B2	RSVD	Reserved	NC
B3	CWAKE#	Power management signal for Wakeup events (optional)	—
B4	CPRSNT#	Detects the following: <ul style="list-style-type: none"> whether a cable is installed whether the downstream subsystem is powered 	—

Pin Number	Signal	Description	Note
B5	GND	Ground reference for cable reference clock	—
B6	PWR	+3.3 V power	NC
B7	CPWRON	Upstream subsystem Power Valid notification	—
B8	PETn0	Differential PCI Express transmitter lane	—
B9	PETp0		—
NC = no connection			

Physical

Dimensions (L×W)	10.0 cm × 16.0 cm (3.9 in. × 6.3 in.)
Maximum cable length	7 m (23 ft)
Slot requirements	One PXI Express system slot
Compatibility	Fully compatible with the PXI-5 Express Hardware Specification, Revision 1.0
Weight	0.16 kg (0.35 lb) typical

Power Requirements

Power Rail	Typical Current	Maximum Current
+3.3 V	750 mA	1.2 A
+5 V	1 A	25 mA
+12 V	300 mA	800 mA
+5 V _{AUX}	110 mA	300 mA

Environmental Characteristics

Temperature

Operating	0 °C to 55 °C
Storage	-40 °C to 71 °C

Humidity

Operating	10% to 90%
Storage	5% to 95%

General environmental

Pollution Degree	2
Maximum altitude	2,000 m (800 mbar) (at 25 °C ambient)



Note Clean the PXIe-8361 with a soft nonmetallic brush. Make sure that the device is completely dry and free from contaminants before returning it to service.

Shock and vibration

Operating vibration	5 Hz to 500 Hz, 0.3 g RMS
Non-operating vibration	5 Hz to 500 Hz, 2.4 g RMS
Operating shock	30 g, half-sine, 11 ms pulse