



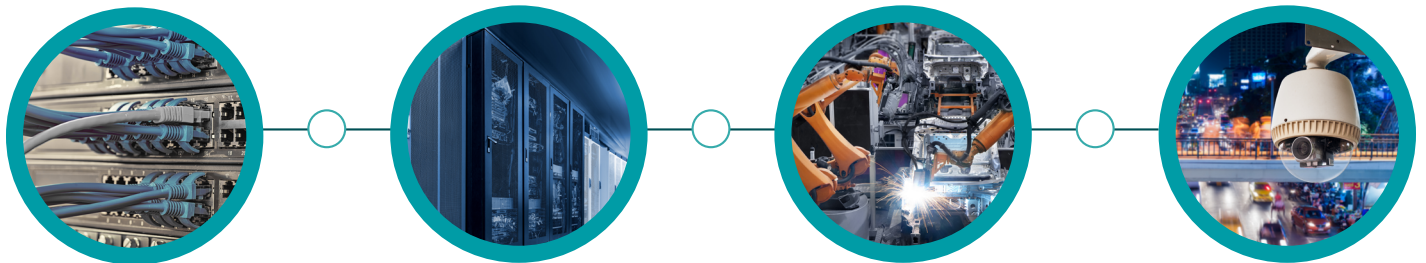
PULSE ELECTRONICS “JXD” SERIES:

ETHERNET CONNECTORS SUITABLE FOR INDUSTRIAL AND OUTDOOR APPLICATIONS

Pulse Electronics “JXD” series Pulsejacks’ are designed to meet the latest trends in industrial Ethernet connectivity. They provide a simple one stop connector and combined transformer solution in a small PCB footprint, supporting 100Base-Tx (Fast Ethernet) and 1000Base-T (1Gigabit) alongside IEEE802.3az, for Energy Efficient Ethernet (EEE).

Building on Pulse’s design experience, these latest “JXD” range of compact ICM’s are now fully RoHS and REACH compliant to the latest EU Directives for total lead-free construction, future proofing your equipment design.

The 100Mb, Fast Ethernet designs can also support all flavors of Industrial Ethernet and TSN protocols eg. EtherCAT, PowerLINK, Modbus and Profi-link, while the 1 Gigabit selection offers two connection schematics; for older current driven (analog front end) PHYs and for newer voltage driven (digital signal processing) PHYs which offer EEE. Designers can now realize single port layouts on one PCB offering latch-up or latch-down by using a simple accommodating PCB layout.



KEY APPLICATIONS

Industrial Automation, Process or Remote, Control and Monitoring, Campus, Factory or Rugged Communication Networks, Routers, Switches for SMB and SoHO markets.

FEATURED PRODUCTS

- JXD0-00xxNL Side Entry, 1x1, Tab Down
- JXD1-00xxNL Side Entry, 1x1, Tab Up
- JXD0-20xxNL Side Entry, 1x2, Tab-Down
- JXD0-40xxNL Side Entry, 1x4, Tab-Down

FEATURES & BENEFITS

- Exceeds IEEE802.3u (100BASE-TX) and 802.3ab (1000BASE-T) Standards
- Industrial operating temperature -40°C to +85°C
- Suitable for CAT 3, CAT 5 UTP or higher
- Easy PCB layout due to Dual Schematic options
- UL File Listing E216117
- Compact form factor optimizing board space
- Supports all major PHY manufactures

INTEGRATED CONNECTOR MODULES FOR INDUSTRIAL APPLICATIONS

PULSE ELECTRONICS "JXD" SERIES OF ETHERNET CONNECTORS ARE SUITABLE FOR ALL INDUSTRIAL AND OUTDOOR APPLICATIONS

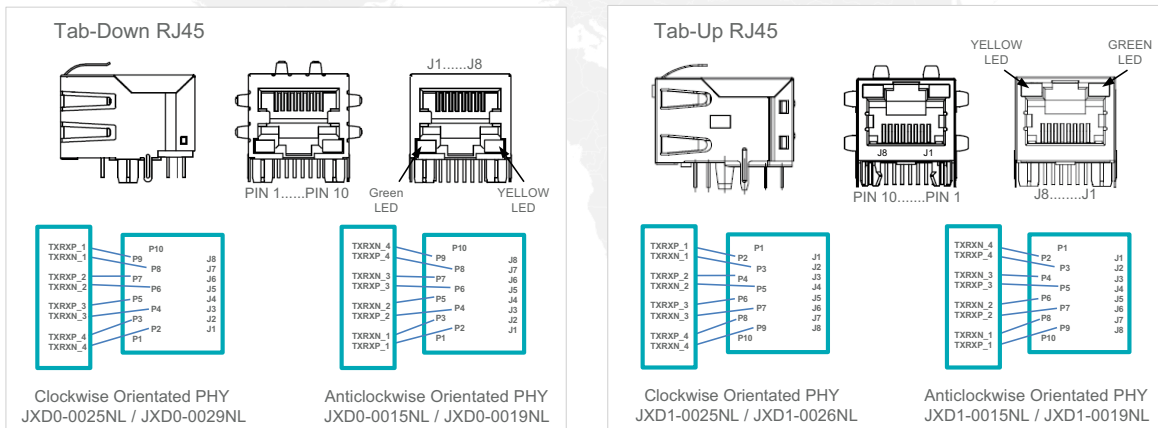
Industrial 100Base-Tx and 1000Base-T Ethernet Connector Modules

Part No.	Tab Location	Data Rate	No. Ports	EMI Fingers	PHY Style	LED Left/Right (pin style)
JXD0-0008NL	DOWN	100Base-Tx	1x1	YES	N/A	Green/Yellow (in-Line)
JXD1-0008NL	UP	100Base-Tx	1x1	YES	N/A	Green/Yellow (sides)
JXD0-0001NL	DOWN	1000Base-T	1x1	YES	AFE	Green/Yellow (in-Line)
JXD1-0001NL	UP	1000Base-T	1x1	YES	AFE	Yellow/Green (sides)
JXD0-0015NL*	DOWN	1000Base-T	1x1	YES	DSP	Green/Yellow (in-Line)
JXD0-0019NL*	DOWN	1000Base-T	1x1	NO	DSP	Green/Yellow (in-Line)
JXD0-0025NL*	DOWN	1000Base-T	1x1	YES	DSP	Green/Yellow (in-Line)
JXD0-0029NL*	DOWN	1000Base-T	1x1	NO	DSP	Green/Yellow (in-Line)
JXD1-0015NL*	UP	1000Base-T	1x1	YES	DSP	Yellow/Green (sides)
JXD1-0019NL*	UP	1000Base-T	1x1	NO	DSP	Yellow/Green (sides)
JXD1-0025NL*	UP	1000Base-T	1x1	YES	DSP	Yellow/Green (sides)
JXD1-0026NL*	UP	1000Base-T	1x1	NO	DSP	Yellow/Green (sides)
JXD0-2005NL	DOWN	100Base-Tx	1x2	YES	N/A	Green/Yellow (in-front)
JXD0-2015NL	DOWN	1000Base-T	1x2	YES	DSP	Green/Yellow (in-front)
JXD0-2019NL	DOWN	1000Base-T	1x2	NO	DSP	Green/Yellow (in-front)
JXD0-4005NL	DOWN	100Base-Tx	1x4	YES	N/A	Green/Yellow (in-front)
JXD0-4015NL	DOWN	1000Base-T	1x4	YES	DSP	Green/Yellow (in-front)

***Easy PCB Layout:**

Each ICM has been design with an easy PCB layout option as shown below -

No matter what orientation the PHY, or the desired Tab location, ALL complex routings are made inside the Pulsejacks, reducing EMI and simplifying PCB tracking.



• Catalog and Custom Solutions Available •