

1Gigabit Connector modules for Energy Efficient Ethernet

Pulse introduces a series of 1x1, 1x2 and 1x4 1000BASE-T Ethernet Connectors for the IEEE 802.3az Standard for Energy Efficient Ethernet (EEE)

Pulse's new range of 1Gigabit Pulsejacks' are designed to meet the latest trend in Ethernet connectivity. The demand for Energy Efficiency and "greener" devices has created new Voltage driven PHYs compliant to IEEE802.3az, for Energy Efficient Ethernet (EEE). These new products operate with the leading voltage driven silicon and PHYs from all the major manufacturers.

Building on Pulse's latest "JXD" range of compact ICM's, the new series features two schematic options for easy PCB layout, LED and EMI.

Featured Products:

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

Applications:

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

Features and Benefits:

- Exceeds IEEE802.3u(100BASE-TX) and 802.3ab (1000BASE-T) Standards
- -40°C to +85°C operating temperature
- Suitable for CAT 3, CAT 5 UTP or higher
- Easy PCB layout due to Dual Schematic options
- UL File Listing E216177
- Compact form factor optimizing board space
- Supports all major PHY manufactures



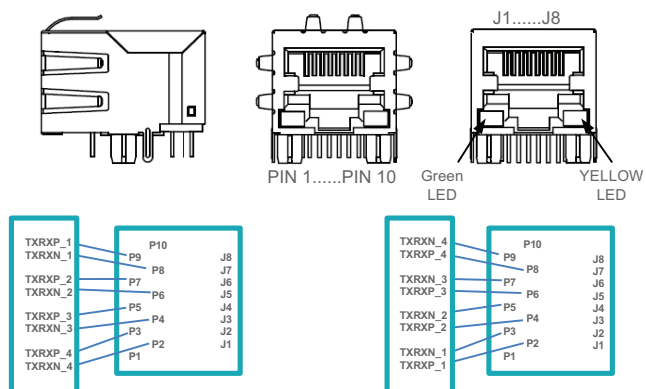
Industrial 1000Base-TX Ethernet Connector Modules

| PART No. | TAB LOCATITON | No. Ports | EMI FINGERS | PHY Style | LED Left/Right (pin style) |
|-------------|---------------|-----------|-------------|-----------|----------------------------|
| JXD0-0015NL | DOWN | 1x1 | YES | anti-c/w | Green/Yellow (in-Line) |
| JXD0-0019NL | DOWN | 1x1 | NO | anti-c/w | Green/Yellow (in-Line) |
| JXD0-0025NL | DOWN | 1x1 | YES | clock/w | Green/Yellow (in-Line) |
| JXD0-0029NL | DOWN | 1x1 | NO | clock/w | Green/Yellow (in-Line) |
| JXD1-0015NL | UP | 1x1 | YES | anti-c/w | Yellow/Green (sides) |
| JXD1-0019NL | UP | 1x1 | NO | anti-c/w | Yellow/Green (sides) |
| JXD1-0025NL | UP | 1x1 | YES | clock/w | Yellow/Green (sides) |
| JXD1-0026NL | UP | 1x1 | NO | clock/w | Yellow/Green (sides) |
| JXD0-2015NL | DOWN | 1x2 | YES | anti-c/w | Green/Yellow (in-front) |
| JXD0-2019NL | DOWN | 1x2 | NO | anti-c/w | Green/Yellow (in-front) |
| JXD1-2015NL | UP | 1x2 | YES | clock/w | Yellow/Green (in-front) |
| JXD1-2016NL | UP | 1x2 | NO | anti-c/w | Yellow/Green (in-front) |
| JXD0-4015NL | DOWN | 1x4 | YES | anti-c/w | Green/Yellow (in-front) |
| JXD2-0015NL | TOP ENTRY | 1x1 | NO | ~ | Yellow/Green (top) |

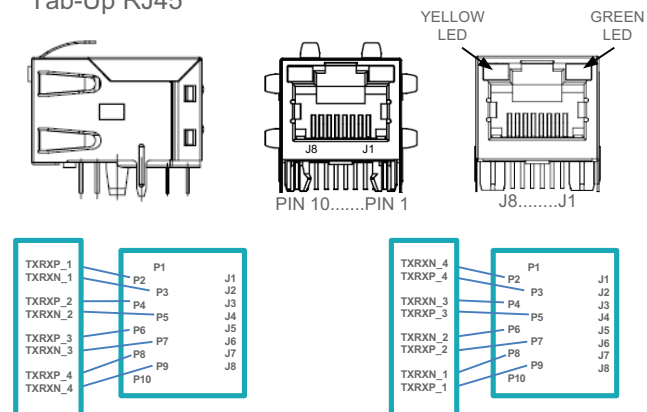
Easy PCB Layout:

Each part has been design with an easy PCB layout option. 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.

Tab-Down RJ45



Tab-Up RJ45



Mouser Electronics

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Pulse:

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