1Gigabit Connector modules for Energy Efficient Ethernet

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

Pulse's new range of 1000BASE-T Ethernet Connector Modules 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 Pulse 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

Features and Benefits:

- Designed to meet IEEE802.3ab (1000BASE-T) standards
- -40C to +85C operating temperature
- 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

Applications:

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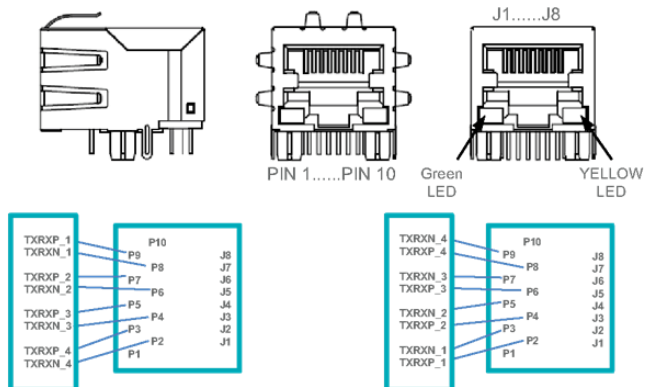

JXD

JXD

JXD

JXD0-2

JXD1-2

JXD0-4

Industrial 1000BASE-T Ethernet Connector Modules

PART No.	TAB LOCATITON	No. Ports	EMI TABS	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	anti-c/w	Yellow/Green (in-front)
JXD1-2016NL	UP	1x2	NO	clock/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 designed for easy PCB layout no matter what orientation of PHY or Tab location is desired, as all complex routing is made inside the Pulsejacks, reducing EMI and leading for a simple PCB layout.
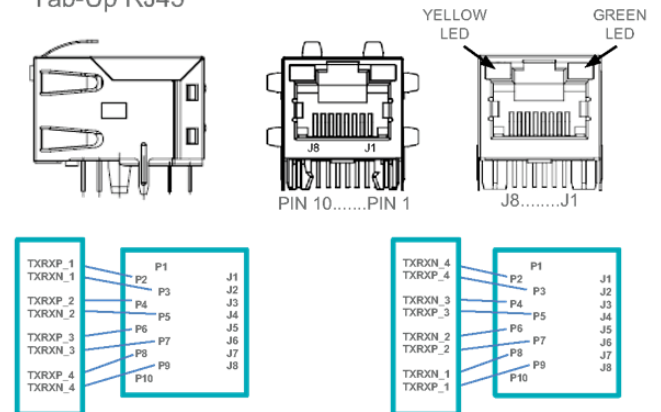

Tab-Down RJ45 — Clockwise Orientated PHY JXD0-0025NL / JXD0-0029NL — Anticlockwise Orientated PHY JXD0-0015NL / JXD0-0019NL

Tab-Up RJ45 — Clockwise Orientated PHY JXD1-0025NL / JXD1-0026NL — Anticlockwise Orientated PHY JXD1-0015NL / JXD1-0019NL

Datasheet   Samples   Buy Now