



Industrial Automation, Process Control, and Communications

Pulse Electronics offers full Line of RJ45 Integrated Connectors with Magnetics (ICM) supporting both 100BASE-TX and 1000BASE-T for Industrial applications

The Industrial communications landscape is changing. There are more and more automation and control, sensors, drives, displays, invertors, and interfaces that are linked together using Ethernet based time sensitive protocols like:

**Profi-Bus™ - Profi-Net™ - PowerLink
EtherCAT - Ethernet/IP - Modbus/TCP
Sercos-III -**

Pulse's latest range of compact ICM's are designed to provide isolation and noise reduction in a single solution, operating with all of these industrial protocols.

Featured Products:

- JXD0-00xxNL Side Entry, 1x1, Tab Down
 - JXD1-000xNL Side Entry, 1x1, Tab Up
 - JXD2-001xNL Top Entry, 1x1, 100Base-TX
 - JXD3-000xNL Top Entry, 1x1, 1000Base-T
- *Other 1x1 packages and configurations are available including low profile, off-set, pin-in-paste and SMD



JXD0-

JXD1-

JXD2-

JXD3-

Features and Benefits:

- Designed to meet IEEE802.3u (100BAE-TX) and 802.3ab (1000BASE-T) standards
- -40C to +85C operating temperature
- Suitable for CAT 3, CAT 5 UTP or higher
- PoE and PoE+ options available
- UL File Listing E216177
- 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, Power over Ethernet, Touch Screen Display & Panels, Security & Image processing, Access Control.





NEW PRODUCTS for INDUSTRIAL 100Base-TX, FAST ETHERNET

PART No.	TAB ORIENTATION	EMI TABS	BST	LED Left/Right (pin style)	PoE	Contact plating	Pins / Contacts
JXD0-0006NL	DOWN	YES	YES	Green/Yellow (in-Line)	NO	6uinch	8/8
JXD1-0005NL	UP	YES	YES	NONE	YES	30uinch	10/8
JXD1-0008NL	UP	YES	YES	Green/Yellow (down sides)	NO	6uinch	8/8
JXD2-0010NL	TOP ENTRY	NO	YES	Green/Yellow (in-line at rear)	NO	30uinch	8/8
JXD2-0011NL	TOP ENTRY	NO	YES	NONE	NO	30uinch	8/8
JXD3-0003NL	TOP ENTRY	NO	YES	NONE	YES	30uinch	10/8

NEW PRODUCTS for INDUSTRIAL 1000Base-T, GIGABIT

PART No.	TAB ORIENTATION	EMI TABS	BST	LED Left/Right (pin style)	Contact plating	Pins / Contacts
JXD0-0001NL	DOWN	YES	YES	Green/Yellow (in-Line)	30uinch	10/8
JXD0-0002NL	DOWN	YES	YES	2x Bi-Colour Green/Yellow (in-Line)	30uinch	10/8
JXD1-0001NL	UP	YES	YES	Yellow/Green (down sides)	30uinch	10/8
JXD1-0002NL	UP	YES	YES	2x Bi-Colour Green/Yellow (down sides)	30uinch	10/8
JXD3-0001NL	TOP ENTRY	NO	YES	NONE	30uinch	10/8
JXD3-0002NL	TOP ENTRY	NO	YES	Yellow /Green (in-line at rear)	30uinch	10/8