

JXD7-0V0XNL



CELEBRATING 25 YEARS OF PULSEJACK™

CONNECTORS WITH INNOVATION AND EXCELLENCE

Twenty-five years ago the Single Port PulseJack® product range was announced to the world and forever changed the PCB designers experience within the ethernet landscape.

Pulse Electronics are revising the design of these “Ethernet legends”, with our latest JXD7-range. They are designed to replace the much-loved older latch-up product and bring them in to the 21st Century.

Following the JD0/JXD0 and JD1/JXD1 ranges, that have already been introduced and prove the reliability and robustness of these designs and construction to the market.

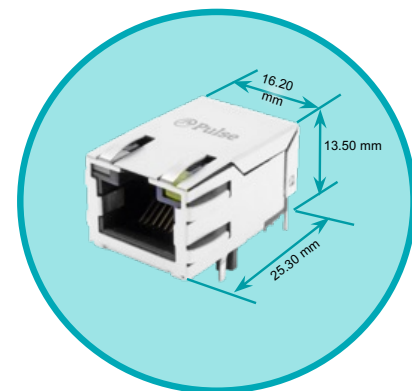
The new JXD7- latch-up platform ,with EMI and LED options are slightly longer and wider than JXD1- family but are 100% compatible with the older Pulse-Jack™ “Excalibur” series and by using the latest construction and materials they are fully ROHS-6 compliant with no lead (Pb) in their design.. The series is also ruggedized for the industrial market and outdoor use with extended operating temperature from -40 to +85oC.

While this NEW range is only currently promoting the Fast Ethernet options as direct replacements to the existing products – this PulseJack™ design has the same universal, modular construction as the JD1/JXD1 and can support both 8P/8C and 10P/8C pin configurations enabling 100Base-TX with PoE/PoE+, 1Gigabit and 2.5Gigabit ethernet connectivity.

Visit the Pulse website for more information.
<https://www.pulseelectronics.com>

KEY APPLICATIONS

- Consumer and SoHo Products
- Routers, Printers, Switches
- Motor / Servo Control boards
- Embedded Industrial Ethernet Controllers
- Instrumentation and Measurement links
- Industrial remote Access Points & Sensors
- Security and Imaging Systems



FEATURED PRODUCTS

- JXD7-0V05NL
- JXD7-0V06NL
- JXD7-0V07NL
- JXD7-0V08NL
- JXD7-0V09NL

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JXD7 - Part Number Replacement Guide

Old Number	New Part Number	EMI Fingers	LED left/right	Operating Temperature	Comment
J1011F21PNL	JXD7-0V05NL	YES	G/Y	40 to +85°C	100% CROSS
J1011F01PNL	JXD7-0V06NL	NO	G/Y	-40 to +85°C	100% CROSS
J1026F21CNL	JXD7-0V07NL	YES	Y/G	-40 to +85°C	Pin-to-Pin AutoMDIX
J1012F01CNL	JXD7-0V08NL	NO	Y/G	-40 to +85°C	Pin-to-Pin AutoMDIX
J1012F21CNL	JXD7-0V09NL	YES	Y/G	-40 to +85°C	Pin-to-Pin AutoMDIX

FEATURES & BENEFITS

- Footprint and performance match to existing PulseJack® products in Tab/Latch-Down – see table.
- Electrical Schematics, EMI and LED options
- Covered UL File E216117 and full RoHS-6
- Operate temperature -40°C up to +85°C
- Supports WAVE Soldering with 260°C Peak
- Exceeds IEEE802.3 for use in Industrial Fast Ethernet and Industrial TSN protocols
- Open Construction with options for 1G and 2,5G magnetics

Visit www.pulseelectronics.com to search for the JXD7 product family data sheet or contact the “Network” team or a local Sales rep or FAE support desk to receive a full technical datasheet on a specific part.
The Resource Library has a really useful Ethernet layout consideration paper with tips for PCB layout.

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