RJ *point five* connector Double Density Gigabit Ethernet Connector Solution
RJ point five connector

RJ point five connector vs. RJ45

RJ point five connector is $\frac{1}{2}$ the size of a RJ45
RJ point five connector

Product intended for 1 Gigabit applications where increased port density is required (will allow 10/100 as well)

Doubles the amount of standard RJ45 connections at the same real estate for board as well as panel

Next generation Ethernet Link

Road map incl. Cat 6a (10Gb/s)
**RJ point five connector**

Potential Application: Data Center

Switching applications in wiring closets
Stackable switches
Top of server switching applications
High density Ethernet switching/routing products
Data center switching applications include top of rack, end of row, mid row
Server I/O applications
Wiring closet switching products

RJ point five connector Demo Box
High density I/O modules for router applications

Any application where increased port density is required

1:1 plug ratio allows to easily incorporate entire network with less real estate
RJ point five connector  Features & Benefits

Key Features & Benefits

• Double the density of the standard RJ45 Ethernet link

• Cable assemblies capable of field termination

• Cable assemblies available as SF/UTP, F/UTP, UTP, all LszH, RoHS and UL listed

• Cable management features available from TE for higher density configurations

• Product family will support Gigabit speeds of Cat5e UTP, F/UTP and SF/UTP cable, and roadmap supports PoE+ and 10Gig over Cat6a
RJ point five connector Features & Benefits

Key Features & Benefits

• Ergonomic release to allow easy plug-extraction

• Receptacle is a modular design to allow for easy and rapid deployment of product extensions

• Improved LED visibility

• RoHS compliant

• UL approved

• IEC 61076-3-121
RJ point five connector Plug Assembly

Release strap engages with RJ45 style latch
• Allows access in high density applications

Light pipe added thru cable boot to facilitate visual identification with high density front panel

TE also provides cable managements systems

Cable plug capable for field termination
**RJ point five connector current Product offerings**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Grounding finger</th>
<th>LEDs</th>
<th>Product Available</th>
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<tbody>
<tr>
<td>2057133-1</td>
<td>2x8 Receptacle</td>
<td>Yes</td>
<td>Yes (R/G)</td>
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<tr>
<td>2170129-1</td>
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<td>*</td>
<td>Yes</td>
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<tr>
<td>2170185-1</td>
<td>Plug Kit shielded</td>
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<td>--</td>
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</table>

* has lightpipes for board mounted LEDs
# RJ point five current Product offerings

## RJ point five to RJ point five Cable Assembly

<table>
<thead>
<tr>
<th>Partnumber</th>
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<th>Partnumber</th>
<th>Cable length</th>
</tr>
</thead>
<tbody>
<tr>
<td>2100356-1</td>
<td>2142758-1</td>
<td>2159683-1</td>
<td>0.5 meter</td>
</tr>
<tr>
<td>2100356-2</td>
<td>2142758-2</td>
<td>2159683-2</td>
<td>1.0 meter</td>
</tr>
<tr>
<td>2100356-3</td>
<td>2142758-3</td>
<td>2159683-3</td>
<td>1.5 meter</td>
</tr>
<tr>
<td>2100356-4</td>
<td>2142758-4</td>
<td>2159683-4</td>
<td>2.0 meter</td>
</tr>
<tr>
<td>2100356-5</td>
<td>2142758-5</td>
<td>2159683-5</td>
<td>2.5 meter</td>
</tr>
<tr>
<td>2100356-6</td>
<td>2142758-6</td>
<td>2159683-6</td>
<td>3.0 meter</td>
</tr>
<tr>
<td>2100356-7</td>
<td>2142758-7</td>
<td>2159683-7</td>
<td>4.0 meter</td>
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<tr>
<td>2100356-8</td>
<td>2142758-8</td>
<td>2159683-8</td>
<td>5.0 meter</td>
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<tr>
<td>2100356-9</td>
<td>2142758-9</td>
<td>2159683-9</td>
<td>7.5 meter</td>
</tr>
<tr>
<td>1-2100356-0</td>
<td>1-2142758-0</td>
<td>1-2159683-0</td>
<td>10.0 meter</td>
</tr>
<tr>
<td>1-2100356-1</td>
<td>1-2142758-1</td>
<td>1-2159683-1</td>
<td>12.5 meter</td>
</tr>
<tr>
<td>1-2100356-2</td>
<td>1-2142758-2</td>
<td>1-2159683-2</td>
<td>15.0 meter</td>
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</tbody>
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</tr>
<tr>
<td>2100357-3</td>
<td>2142759-3</td>
<td>2159684-3</td>
<td>1.5 meter</td>
</tr>
<tr>
<td>2100357-4</td>
<td>2142759-4</td>
<td>2159684-4</td>
<td>2.0 meter</td>
</tr>
<tr>
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<td>2142759-5</td>
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<td>1-2159684-1</td>
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<td>1-2142759-2</td>
<td>1-2159684-2</td>
<td>15.0 meter</td>
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</table>

## RJ point five coupler

<table>
<thead>
<tr>
<th>Partnumber</th>
<th>Raw cable type</th>
<th>Cable length</th>
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<tbody>
<tr>
<td>2159658-1</td>
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<td>2159658-2</td>
<td>Cat5e F/UTP AWG 26 LszH</td>
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<td>2159658-3</td>
<td>Cat5e F/UTP AWG 26 LszH</td>
<td>1.0 meter</td>
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</table>

## RJ point five documentation

<table>
<thead>
<tr>
<th>Partnumber</th>
<th>Description</th>
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<tbody>
<tr>
<td>108-2341</td>
<td>RJ point five Product Specifications (Design Objectives)</td>
</tr>
<tr>
<td>114-13228</td>
<td>RJ point five Receptacle Application Sheet</td>
</tr>
<tr>
<td>144-13235</td>
<td>RJ point five Plug Kit Application Sheet</td>
</tr>
<tr>
<td>408-10243</td>
<td>Cable Assembly Termination Instruction Sheet</td>
</tr>
</tbody>
</table>
RJ point five connector Plug assembly, Field installable

Shield bottoming surface on contact holder

HEX CRIMP AREA

CRIMPING DIRECTION
Support Materials

Customer Drawings Online
http://dmtec.tycoelectronics.com/dmtec/index.jsp

Quick Reference Guide Available

Connector Documentation Numbers

- 108-2341
  - RJ point five connector Product Specifications (Design Objectives)
- 114-13228
  - RJ point five Receptacle Application Sheet
- 114-13235
  - RJ point five Plug Kit Application Sheet
- 408-10243
  - Cable Assembly Termination Instruction Sheet
- SDE Hand Crimping Tool
  - 2031734-1
RJ point five Connector System Overview

The TE Connectivity RJ point five connector system is a next generation Ethernet link that offers a higher density cabling solution compared to traditional Ethernet links. The system is well suited for Original Equipment Manufacturers (OEMs) who desire a lower cost per port while maintaining the convenience of a single connector per channel. With port spacing on a .7mm centerline, the RJ point five connector system occupies half the space of a RJ45 Ethernet link.

Along with the high density receptacle, we also offer the mating cable assembly, as well as cable management solutions for single box and rack configurations. The cable assembly was redesigned to achieve superior electrical performance by eliminating the cross over. Additionally, the latching feature supports an easy-to-use lanyard that will facilitate up to 96 ports on a single line card.

The density of the receptacle face allows the light from the LEDs to be transferred out through the cable boot, bringing the port indicator light closer to the end user.

More Information

Key Features
- Double the density of the standard RJ45 Ethernet link
- Cable assemblies capable of field termination
- Cable management features available from TE for higher density configurations
- Product family will support Gigabit speeds of Cat5e UTP cable, and roadmap supports PoE+ and 10Gig over Cat6a
- Receptacle is a modular design to allow for easy and rapid deployment of product extensions

Applications
- High density Ethernet switching/routing products
- Data center switching applications include top of rack, end of row, mid row
- Server I/O applications
- Wiring closet switching products

Documents & Resources

Instruction Sheet
- Hand Crimp Tool
- Connector Extraction Tool

Application Specifications
- Receptacle
- Plug

Other
- Browse Electrical Models
Support Materials

TE Connectivity's RJ point five connector system offers a robust and reliable solution for high-density cabling needs. This connector system is designed to optimize space and simplify installation, making it ideal for environments where space is at a premium.

**Features and Benefits**

- **Bundled**: The RJ point five connectors are designed for easy installation and can be bundled to save space and simplify the cabling process.
- **Easy Installation**: The connectors are designed for easy installation, reducing the time and effort required to install high-density cabling systems.
- **Durable**: The connectors are built to withstand the stresses of high-density environments, ensuring long-lasting performance.
- **Compliance**: The connectors are designed to meet the latest industry standards, ensuring compatibility with a wide range of applications.
- **Efficient**: The connectors are designed to optimize the use of space, making them ideal for high-density environments.

With the RJ point five connector system, TE Connectivity offers a robust solution for high-density cabling needs, helping to simplify installation and optimize space usage.

Data and Devices
FAQs

How to identify customers that may be interested?
• Focus is enterprise and data center or any customer who consumes stacked or ganged RJ45 modular and mag jacks

What are the unique selling points?
- Increased density without compromising access or LEDs
- Field termination capable
- IEC document: IEC 61076-3-121

Second source manufacturers?
• Bell Stewart licensed to market, manufacture, and sell

Customers who have adopted?
• Design wins with several OEM, doubled revenue in 2014