SD Memory Card Connectors

**DESCRIPTION**
By linking assorted forms of digital equipment, the SD memory card stores digital files without requiring a computer. Tyco Electronics, an Executive Board member of the SD Association (SDA) standards committee, has kept pace with developments in secure digital technology and is equipped to offer connector solutions to meet customer needs.

**KEY FEATURES**
- Three different connector configuration sizes including: Standard, Mini, and Micro
- High-speed data transfer rate
- Designed for ease of customer use with available push/push and push/pull mating
- Manufactured to meet existing SD memory card standards
- RoHS Compliant

**APPLICATIONS**
- Digital cameras and camcorders
- Cell phones
- PDA’s
- MP3 Players
- Computers
- Photo printers

**FOR MORE INFORMATION**
Technical Support
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E-mail: elhimelright@tycoelectronics.com
Japan: 81-44-844-8013
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<tr>
<th>Description</th>
<th>Product Number</th>
<th>Insertion/Removal</th>
<th>Mounting</th>
<th>Packaging</th>
<th>Features</th>
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</thead>
<tbody>
<tr>
<td>Full Size Connector</td>
<td>1734234-1</td>
<td>Push/Pull</td>
<td>Top Mount</td>
<td>Tray</td>
<td>0.85 Locating Post</td>
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<tr>
<td>Full Size Connector</td>
<td>1734234-2</td>
<td>Push/Pull</td>
<td>Top Mount</td>
<td>Tape and Reel</td>
<td>0.85 Locating Post</td>
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<tr>
<td>Full Size Connector</td>
<td>1734234-3</td>
<td>Push/Pull</td>
<td>Top Mount</td>
<td>Tray</td>
<td>0.45 Locating Post</td>
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<td>1734234-4</td>
<td>Push/Pull</td>
<td>Top Mount</td>
<td>Tape and Reel</td>
<td>0.45 Locating Post</td>
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<tr>
<td>Full Size Connector</td>
<td>1734472-1</td>
<td>Push/Push</td>
<td>Top Mount</td>
<td>Tray</td>
<td>40 Pieces Per Tray</td>
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<tr>
<td>Full Size Connector</td>
<td>1734472-2</td>
<td>Push/Push</td>
<td>Top Mount</td>
<td>Tray</td>
<td>32 Pieces Per Tray</td>
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<tr>
<td>Full Size Connector</td>
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<td>Push/Push</td>
<td>Top Mount</td>
<td>Tape and Reel</td>
<td>300 Pieces Per Tray</td>
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<tr>
<td>Full Size Connector</td>
<td>1775059-1</td>
<td>Push/Push</td>
<td>Bottom Mount</td>
<td>Tape and Reel</td>
<td>Half Insertion Indicator/ Short Hold Downs</td>
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<tr>
<td>Full Size Connector</td>
<td>1775059-2</td>
<td>Push/Push</td>
<td>Bottom Mount</td>
<td>Tape and Reel</td>
<td>Half Insertion Indicator/ Long Hold Downs</td>
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<tr>
<td>Mini Connector</td>
<td>1775204-1</td>
<td>Push/Push</td>
<td>Bottom Mount</td>
<td>Tape and Reel</td>
<td>750 Pieces Per Tray</td>
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<tr>
<td>Micro Connector</td>
<td>1871602-1</td>
<td>Push/Push</td>
<td>Top Mount</td>
<td>Tape and Reel</td>
<td>Without Locating Post</td>
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<tr>
<td>Micro Connector</td>
<td>1871602-2</td>
<td>Push/Push</td>
<td>Top Mount</td>
<td>Tape and Reel</td>
<td>With Locating Post</td>
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</tbody>
</table>

All Products are RoHS Compliant
PRODUCT DIMENSIONS

Full Size Connector: Top Mount, Push/Pull Insertion/Removal

P/N: 1734234-X

Full Size Connector: Top Mount, Push/Push Insertion/Removal

P/N: 1734472-X
PRODUCT DIMENSIONS

Full Size Connector: Bottom Mount, Push/Push Insertion/Removal

P/N: 1775059-X

Mini Connector: Bottom Mount, Push/Push Insertion/Removal

P/N: 1775204-X
TYPICAL CONNECTOR PROPERTIES

Product Characteristics

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
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<tr>
<td>Voltage Rating</td>
<td>Up to 100 VAC</td>
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<tr>
<td>Current Rating</td>
<td>0.5 amp</td>
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<tr>
<td>Operating Temperature</td>
<td>-25°C to 90°C</td>
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<tr>
<td>Mating Force</td>
<td>40N</td>
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<tr>
<td>Un-mating Force</td>
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TECHNICAL DOCUMENTS

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<thead>
<tr>
<th>Base Part Number</th>
<th>Product Specification</th>
<th>Test Report</th>
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<tr>
<td>1734234</td>
<td>108-57127</td>
<td>501-57089</td>
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<td>1734472</td>
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<td>1775059</td>
<td>108-57504</td>
<td>501-57578</td>
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<td>1775204</td>
<td>108-57589</td>
<td>501-57686</td>
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<tr>
<td>1871602</td>
<td>108-78337</td>
<td>Testing in Process</td>
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</table>
At Tyco Electronics, we’re ready to support your RoHS requirements. We’ve assessed more than 1.5 million end items/components for RoHS compliance, and issued new part numbers where any change was required to eliminate the restricted materials. **Compliant – Part numbers in this catalog are RoHS Compliant, unless marked otherwise.** These products comply with European Union Directive. Part numbers in this catalog are identified as:

RoHS 2002/95/EC as amended 1 January 2006 restricts the use of lead, mercury, cadmium, hexavalent chromium, PBB, and PBDE in certain electrical and electronic products sold into the EU as of 1 July 2006.

For purposes of this Datasheet, included within the definition of RoHS Compliant are products that are clearly “Out of Scope” of the RoHS Directive such as hand tools and other non-electrical accessories.

**Non-RoHS Compliant** – These part numbers are identified with a “♦” symbol. These products do not comply with the material restrictions of the European Union Directive 2002/95/EC.

“5 of 6 Compliant” – A “♦” symbol identifies these part numbers. These products do not fully comply with the European Union Directive 2002/95/EC because they contain lead in solderable interfaces (they do not contain any of the other five restricted substances above allowable limits). However, these products may be suitable for use in RoHS applications where there is an application-based exception for lead in solders, such as the server, storage, or networking infrastructure exemption.

Note - Information regarding RoHS compliance is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information provided by our suppliers. This information is subject to change. For latest compliance status, refer to our website referenced below.

**Getting the Information You Need**

Our comprehensive on-line RoHS Customer Support Center provides a forum to answer your questions and support your RoHS needs. A RoHS FAQ (Frequently Asked Questions) is available with links to more detailed information. You can also submit RoHS questions and receive a response within 24 hours during a normal work week.

The Support Center also provides:

- Cross-Reference from Non-compliant to Compliant Products
- Ability to browse RoHS Compliant Products in our on-line catalog
- Downloadable Technical Data
- Customer Information Presentation
- More detailed information regarding the definitions used above

So whatever your questions when it comes to RoHS, we’ve got the answers at [www.tycoelectronics.com/leadfree](http://www.tycoelectronics.com/leadfree).

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