



# Quick Reference Guide: Connectors for Secure Digital (SD) Memory Cards

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.

## FEATURES AND BENEFITS

- Different connector configuration sizes: Standard 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
- Available in top and bottom mounting configurations

## PRODUCT APPLICATIONS

- Digital Cameras and Camcorders
- Cell Phones
- MP3 Players
- Computers

## QUESTIONS TO ASK AT DESIGN IN

- What is the difference between push/push and push/pull?

Push/Push = Push SD card in to insert/Push SD card in to eject

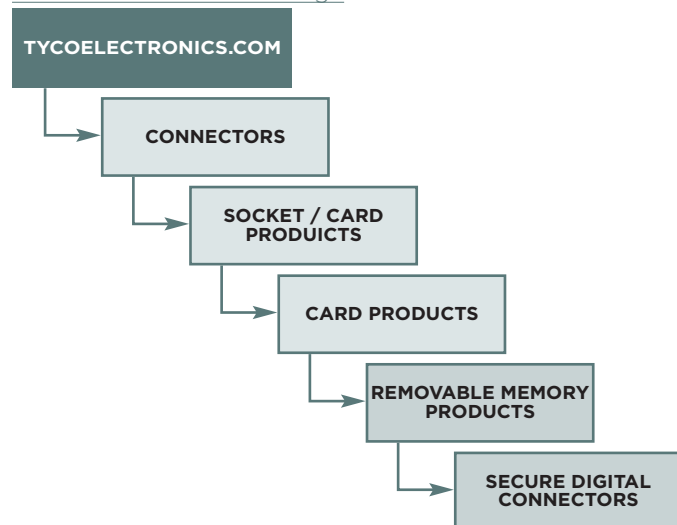
Push/Pull = Push SD card in to insert/Pull SD card out to remove

SD is a trademark of The Toshiba Corporation.

<http://www.tycoelectronics.com/products/securedigital>

## YOU ARE HERE (E-CATALOG)

Link: <http://tycoelectronics.com/products/securedigital>  
Breakdown From Main Page



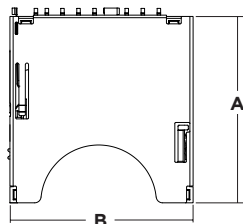
 **Tyco Electronics**

Our commitment. Your advantage.

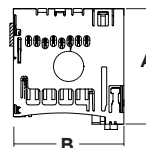
# Connectors for SD Memory Cards

## SIZE CHART

STANDARD  
SD CARD  
CONNECTOR



MICRO  
SD CARD  
CONNECTOR



## SD CARD CONNECTOR SELECTION CHART

PART	SIZE	INSERTION / REMOVAL	MOUNTING	PLATING	DIM. A	DIM. B	PACKAGING	FEATURES
2057184								
2057184-1	Standard	Push/Push	Top Mount	30 Au	29.00	28.50	Tray	With Locating Posts
2057184-2	Standard	Push/Push	Top Mount	30 Au	29.00	28.50	Tape and Reel	With Locating Posts
2057184-3	Standard	Push/Push	Top Mount	10 Au	29.00	28.50	Tray	With Locating Posts
2057184-4	Standard	Push/Push	Top Mount	10 Au	29.00	28.50	Tape and Reel	With Locating Posts
2041021								
2041021-1	Standard	Push/Pull	Top Mount	30 Au	25.00	26.60	Tray	With Locating Posts
2041021-2	Standard	Push/Pull	Top Mount	30 Au	25.00	26.60	Tape and Reel	With Locating Posts
2041021-3	Standard	Push/Pull	Top Mount	10 Au	25.00	26.60	Tray	With Locating Posts
2041021-4	Standard	Push/Pull	Top Mount	10 Au	25.00	26.60	Tape and Reel	With Locating Posts
1775059								
1775059-1	Standard	Push/Push	Bottom Mount	5 Au	30.60	29.25	Tape and Reel	Half Insertion Indicator / Short Hold Downs
1775059-2	Standard	Push/Push	Bottom Mount	5 Au	30.60	29.25	Tape and Reel	Half Insertion Indicator / Long Hold Downs
1903572-1	Standard	Push/Push	Top Mount	8 Au	29.70	28.50	Tray	Through Hole Mounting Style
1871602								
1871602-1	Micro	Push/Push	Top Mount	20 Au	15.30	14.60	Tape and Reel	Without Locating Posts
1871602-2	Micro	Push/Push	Top Mount	20 Au	15.30	14.60	Tape and Reel	With Locating Posts
368637-3	Micro/SIM	Push/Push	Top Mount	20 Au	17.60	16.30	Tape and Reel	Micro SD / SIM Combi Connector

Note: All part numbers are RoHS compliant.

### Disclaimer

While Tyco Electronics has made every reasonable effort to ensure the accuracy of the information in this catalog, Tyco Electronics does not guarantee that it is error-free, nor does Tyco Electronics make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current.

Tyco Electronics reserves the right to make any adjustments to the information contained herein at any time without notice. Tyco Electronics expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose.

The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Please consult Tyco Electronics for the latest dimensions and design specifications.

### Restriction on the use of Hazardous Substances (RoHS)

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. Part numbers in this catalog are identified as:

**RoHS Compliant** — Part numbers in this catalog are RoHS Compliant, unless marked otherwise. These products comply with European Union Directive 2002/95/EC as amended 1 January 2006 that 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.

**NOTE:** For purposes of this Catalog, 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.

**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 at right.

### 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)

RoHS  
Customer  
Support  
Center

© 2008 Tyco Electronics Corporation. All Rights Reserved.

TE LOGO and TYCO ELECTRONICS are trademarks. Other products, logos and company names mentioned herein may be trademarks of their respective owners.

SD is a trademark of The Toshiba Corporation.

Dimensions are in millimeters with inches (if shown) in brackets. Specifications subject to change.

For more information, contact your Tyco Electronics sales engineer at the numbers listed below, or visit our Website at: <http://www.tycoelectronics.com>.

USA: 1-800-522-6752  
Canada: 1-905-470-4425  
Mexico: 01-800-733-8926

C. America: 52-55-1106-0803  
S. America: 55-11-2103-6000  
Hong Kong: 852-2735-1628

Japan: 81-44-844-8013  
UK: 31-73-6246-431

6-1773453-3-FP-2500-CCCE-AH-11/08

 **Tyco Electronics**  
Our commitment. Your advantage.