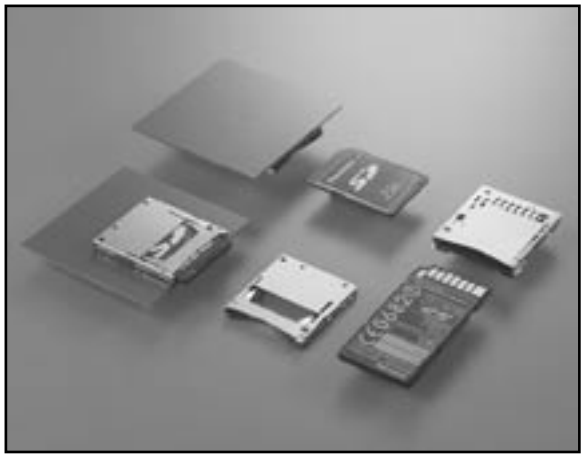
SG5 SERIES CONNECTORS

2.5mm (.098") Height Socket Connector for SD Card



The SG5 Series is a low-profile, friction locking socket for SD (Secure Digital) memory cards, which are standardized as small memory and I/O cards for small mobile devices by the SDA (SD Card Association).

FEATURES

- Compact and low-profile
- Push-push mechanism to reduce the space occupied by the socket
- User-friendly design with audible click when inserting and removing card
- Mounting types: top of board, bottom of board (1.6mm (.063") standoff)
- Multi-Media card insertion available
- Friction lock for holding SD card (MultiMedia card cannot be locked)
- Audible click at insertion and removal
- Hot plug structure
- Card insertion detection mechanism
- Lock/unlock detection for SD card write protect switch
- 10,000 mating cycles durability
- Lead free

GENERAL SPECIFICATIONS

Number of Contacts	13 (9 contacts for card pad, 2 contacts for write protect switch detection structure and 2 contacts for card insertion detection structure)
Current Rating	0.5 Amp per contact (max.)
Dielectric Withstanding Voltage	500 V (for one minute)
Voltage Rating	3.3 V
Insulation Resistance	1000 megohms min.
Contact Resistance	100 milliohms max.
Operating Temperature	-25°C to +85°C

MATERIALS AND FINISHES*

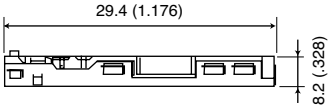
Description	Materials/Finishes
Contact	Copper Alloy Contact portion: Gold plating over Nickel Terminal portion: Gold flash plating over Nickel
Housing	Glass filled LCP
Eject Bar	Glass filled Nylon
Cover (including hold-down)	Stainless Steel
Cam follower	Stainless Steel
Spring	Piano wire/ Zinc galvanizing
Card lock	Stainless Steel
Hold down	Copper Alloy/ Gold flash plating over Nickel

ORDERING INFORMATION

SG5 S 009 V 1 * *

Series
Connector Type
S – Non ZIF
No. of Contacts
009 – 9 position
Mounting Type
V – SMT, with hold downs
Contact Finish
1 – Gold plating over Nickel
Mounting Code
A – Top mount
D – Bottom mount
Modification Code

Connector Profile (Ref.)



• Please consult JAE for verification of product availability.

Dimensions and specifications subject to change without notice.