

NEW


microSD™ Small Memory Card Connector

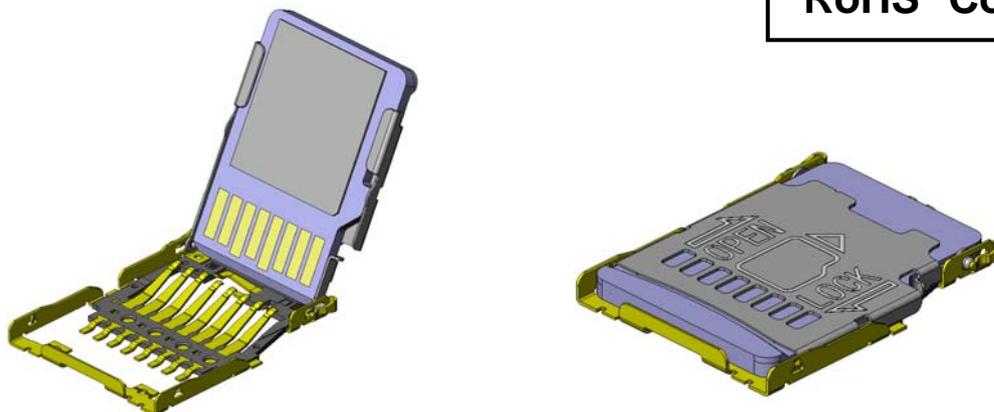
CONNECTOR

MB-0195-1

January 2009

ST1-F/G Series

RoHS Compliant



The ST1 Series is a one-piece type connector for microSD™ memory cards.

It is a low-profile, high-density, SMT mounted connector which is compatible with the microSD™ card used in a variety of portable devices and standardized by the SDA (SD Card Association).

* microSD™ is a trademark of SD Card Association.

Features

- Push-slide, hinge type connector for microSD™ small memory card.
- Available with card insertion detection switch (F type), and without (G type).
- Shield feature is secured by 4 ground connection points on hinge cover.
- Slim design with 1.4mm height, 15.5mm depth, 11.9mm width.
- Lock structure to prevent the cover from opening when dropped.

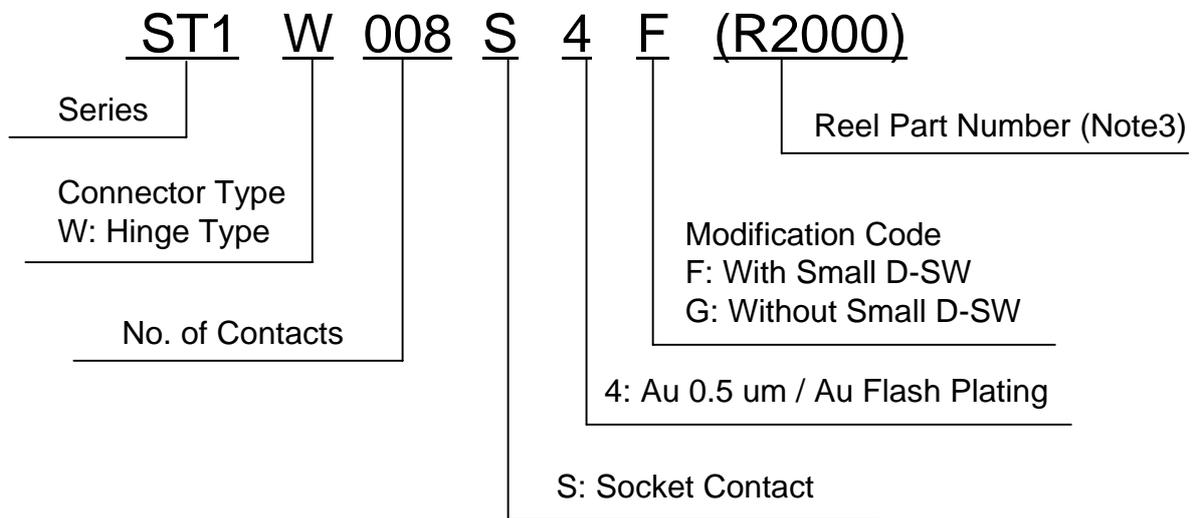
General Specifications

- | | |
|--|---|
| ■ No. of Contacts : 8pos. | ■ Rated Current: 0.5A per pin |
| ■ Contact Resistance: 100m ohm max. | ■ Rated Voltage: 10V per pin |
| ■ Dielectric Withstanding Voltage :
AC500Vr.m.s. per minute | ■ Insulation Resistance: 1000M ohm min. |
| ■ Operating Temperature:
-25 Deg. C to +85 Deg. C | ■ Lifetime: 10,000 insertions |
| ■ Storage Temperature:
-10 Deg. C to +60 Deg. C | ■ Temperature Rise: 30 Deg. C rise max. |

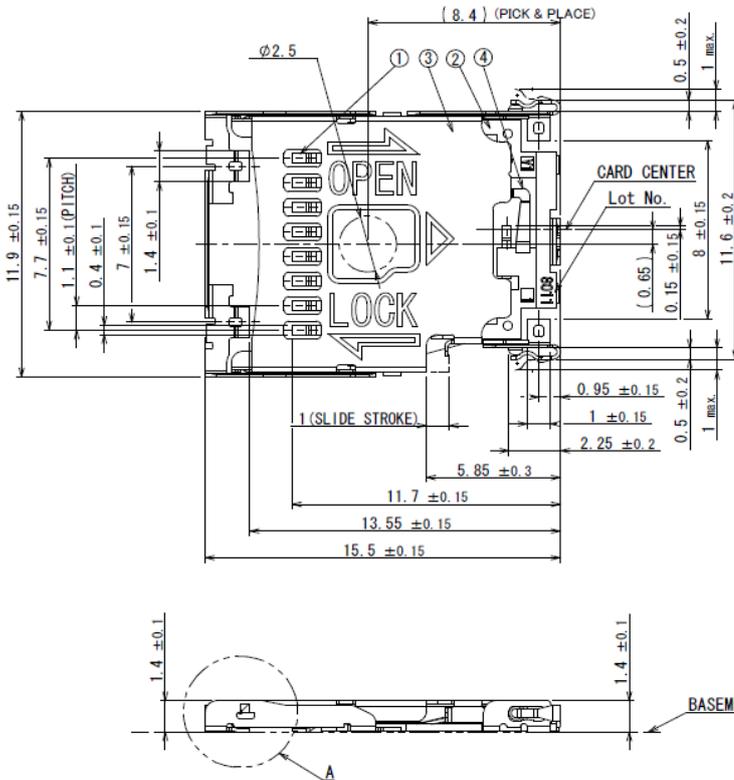
Materials and Finishes

Component	Material / Finish
Contact	Copper alloy / Contact area: 0.5um min. Au plating over Ni Terminal area: Au flash plating over Ni
Housing	Synthetic resin / No (UL94V-0)
Cover	Stainless steel / No (Terminal area: compliant with contact)

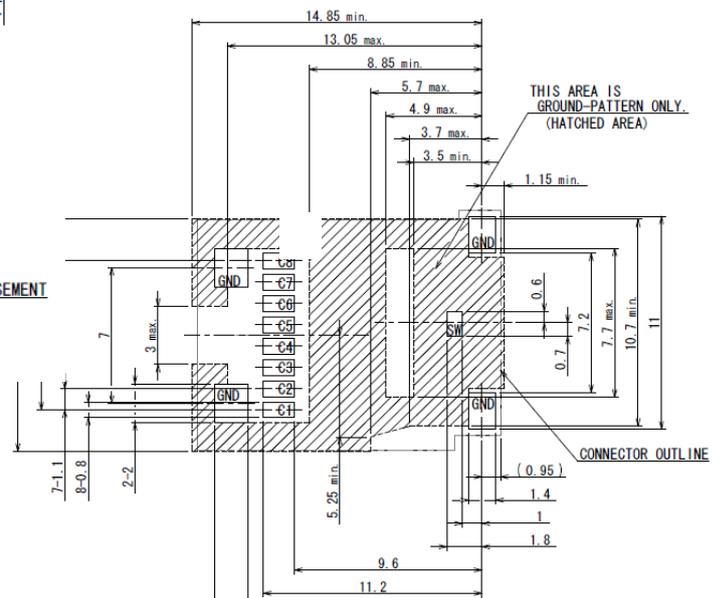
Ordering Information



Part Number	SJ Drawing
ST1W008S4F	SJ109283



Unit: mm



Applicable board dimensions

(for reference)

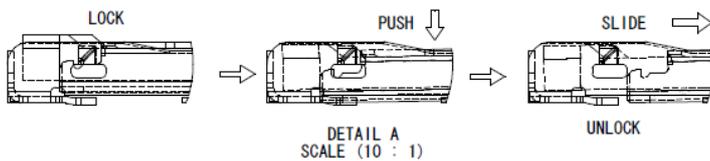
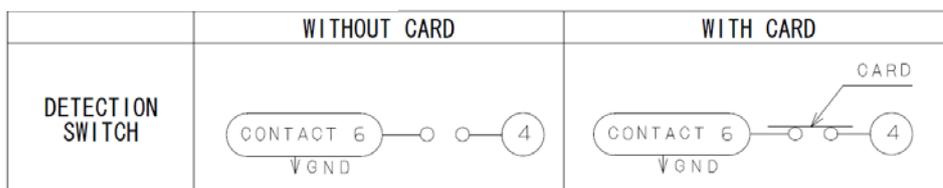
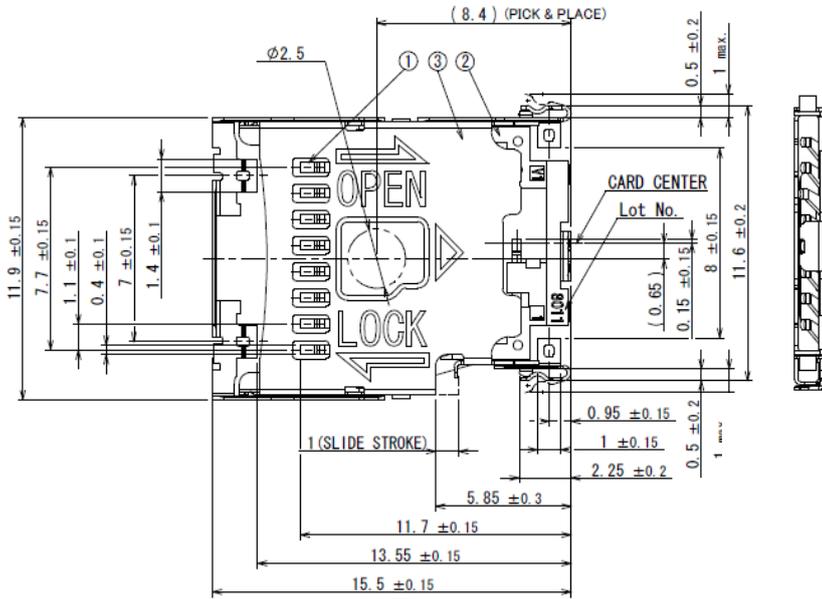


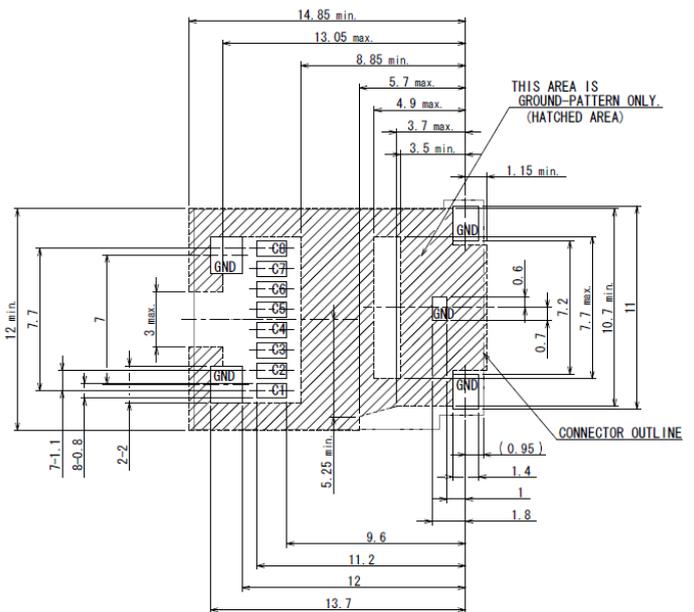
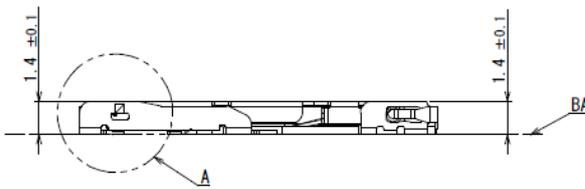
TABLE 2 Circuit



Part Number	SJ Drawing
ST1W008S4G	SJ109285

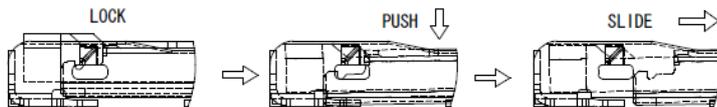


Unit: mm



Applicable board dimensions

(for reference)



DETAIL A
SCALE (10 : 1)

Note 3: An embossed tape reel contains 2,000 pcs.

Please contact us for details on embossed tape specifications.

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Notice: Products shown in this leaflet are made for the applications listed below. However, if the above-mentioned products are to be used in aerospace devices, marine cable-connection devices, atomic power control systems, medical equipment for life-support systems, or any other specific application requiring extremely high reliability, please contact JAE for further information.
Recommended applications: computers, office machines, measuring devices, telecommunication devices (terminals, mobile devices), AV devices, household applications, FA devices, etc.