



# microSD<sup>TM</sup> Small Memory Card Connector

# ST1-F/G Series

CONNECTOR MB-0195-1 January 2009



# **RoHS Compliant**



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

It is a low-profile, high-density, SMT mounted connector which is compatible with the microSD<sup>TM</sup> card used in a variety of portable devices and standardized by the SDA ( $\underline{SD}$  Card  $\underline{A}$ ssociation).

\* microSD<sup>TM</sup> is a trademark of <u>SD</u> Card <u>A</u>ssociation.

#### **Features**

- Push-slide, hinge type connector for microSD<sup>TM</sup> 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

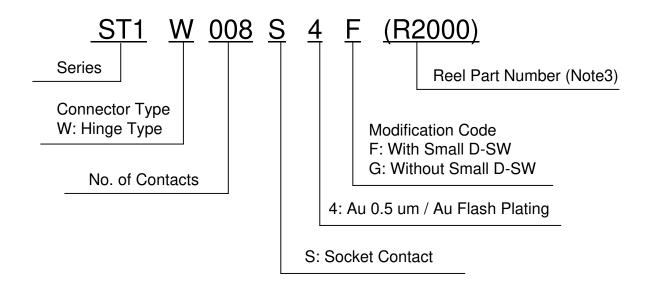
- ■No. of Contacts: 8pos.
- ■Contact Resistance: 100m ohm max.
- ■Dielectric Withstanding Voltage : AC500Vr.m.s. per minute
- ■Operating Temperature:
  - -25 Deg. C to +85 Deg. C
- ■Storage Temperature:
  - -10 Deg. C to +60 Deg. C

- ■Rated Current: 0.5A per pin
- ■Rated Voltage: 10V per pin
- ■Insulation Resistance: 1000M ohm min.
- ■Lifetime: 10.000 insertions
- ■Temperature Rise: 30 Deg. C rise max.

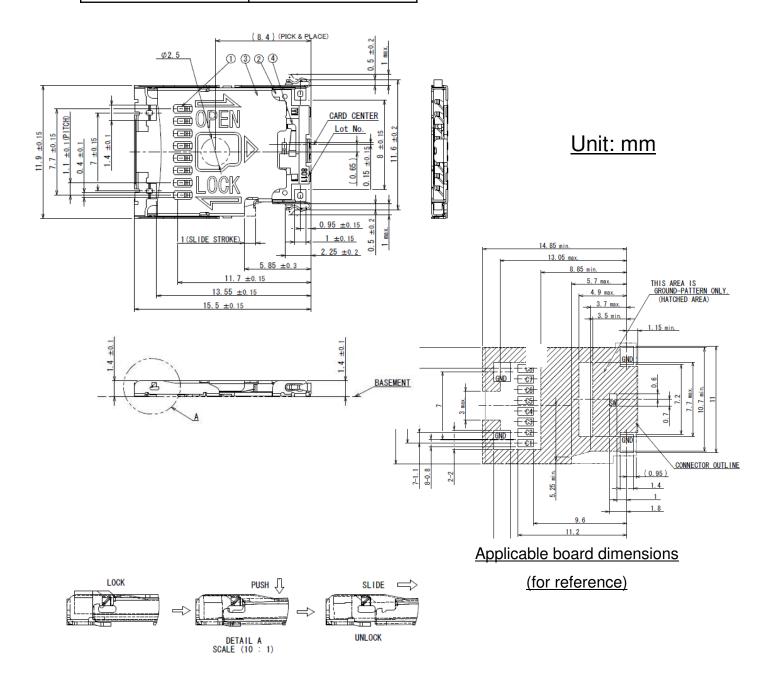
# Materials and Finishes

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**



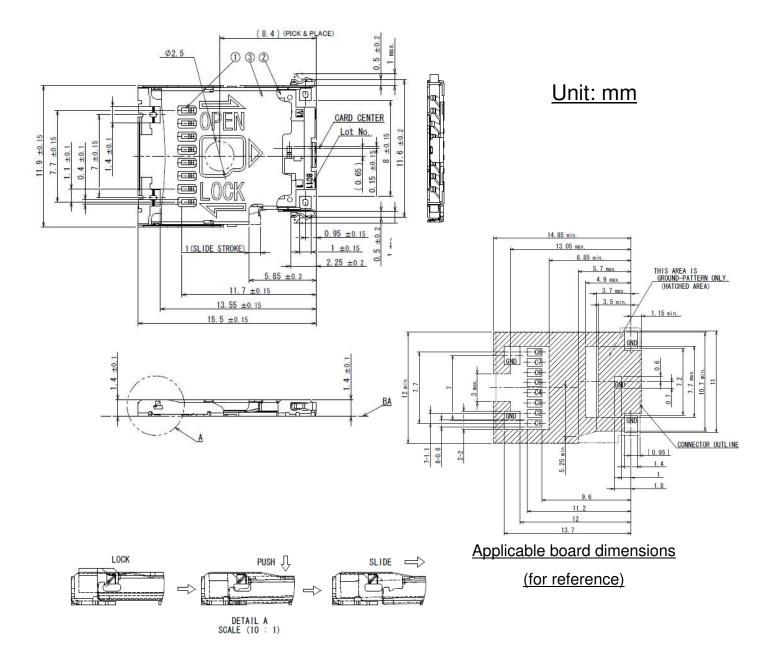
Part Number	SJ Drawing
ST1W008S4F	SJ109283



**TABLE 2 Circuit** 

	WITHOUT CARD	WITH CARD
DETECTION SWITCH	CONTACT 6 0 0—4	CONTACT 6 0 0 4

Part Number	SJ Drawing
ST1W008S4G	SJ109285



Note 3: An embossed tape reel contains 2,000 pcs. Please contact us for details on embossed tape specifications.

### Japan Aviation Electronics Industry, Limited

Product Marketing Division

Aobadai Building, 3-1-19, Aobadai, Meguro-ku, Tokyo 153-8539 Phone: +81-3-3780-2787 FAX: +81-3-3780-2946 Motice: 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.