

< Outline >

The ST4 Series are one-piece type external connectors for microSD[™] card.

High density SMT mounting type low profile connector compatible with microSDTM cards, standardized by SDATM (<u>SD</u> Card <u>A</u>ssociation) as a compact card for various portable devices.

* microSDTM is a trademark of <u>SD</u> Card <u>A</u>ssociation.

Features

- ■Push-push structure <u>reverse</u> mounting type connector for microSDTM memory cards with 1mm push stroke and 3mm card eject length.
- ■With a countermeasure to prevent the card from popping out.
- Shield characteristic is secured by the 4 ground connection points.
- Compact slim design with 1.85mm height, 16.5mm depth and 15.8mm width(depth including card: 18.8mm)
- ■Card insertion detection structure (D-SW)
- Ensured ejection of card with metallic eject bar

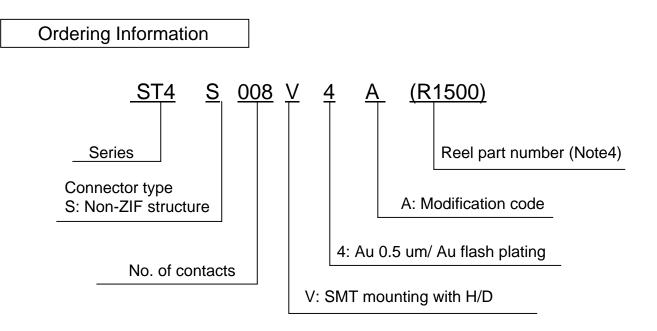
General Specifications

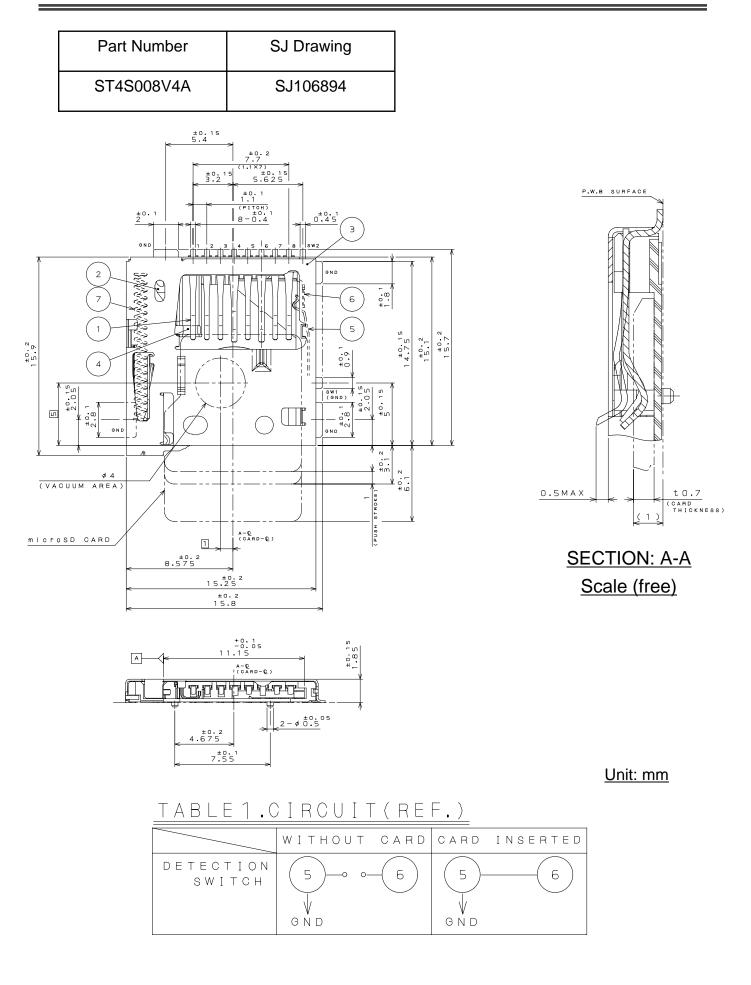
- ■No. of contacts :8 pos.+2pos. (D-SW)
- Contact resistance: 100m ohm max.
- Dielectric withstanding voltage :
- AC500Vr.m.s. per minute
- ■Operating temperature:
 - -25 Deg. C to +85 Deg. C
- Storage temperature: -10 Deg. C to +60 Deg. C

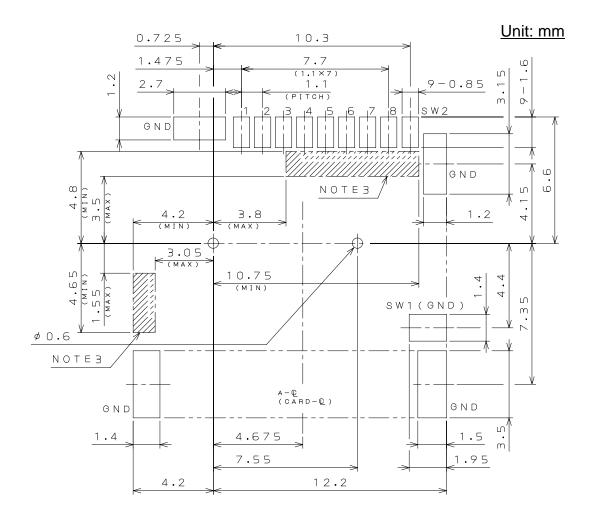
- ■Rated current: 0.5A/ per pin
- ■Rated voltage: 10V/ per pin
- ■Insulation resistance: 1000M ohm min.
- Lifetime: 10,000 times
- Temperature rise: 30 Deg. C rise max.

Materials and Finishes

Components	Materials /Finishes
	Copper Alloy/
Signal contact	Contact: 0.5um min. Au plating over Ni
	Terminal: Au flash plating over Ni
Housing	Synthetic resin/ No (UL94V-0)
Cover frame	Stainless steel/ terminal area: Au flash plating over Ni
Eject bar	Stainless steel/ none
Spring	Piano wire/ Ni plating
D-SW contact	Plating: Compliant to finish of signal contact







Applicable board dimensions (for reference)

Note1) Coplanarity should be 0.1mm max.

Note2) Circuit (Table.1) Reference

Note3) No pattern and via hole should be located in cross shaded areas.

Note4) An embossed tape reel contains 1500 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 **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.

* The specifications in this brochure are subject to change without notice. Please contact JAE for information. JAE PMK Div. Proprietarv. Copyright © 2006. Japan Aviation Electronics Industry. Ltd.