JAE

NEW

microSD™ Memory Card Connector
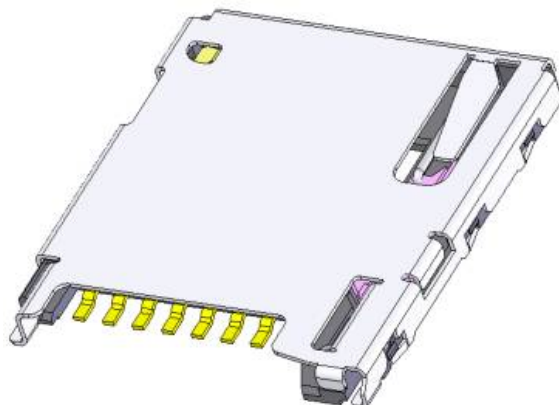
ST9 Series

CONNECTOR

MB-0177-1

December 2008

RoHS Compliant

< Outline >

The ST9 Series are one-piece type external connectors for micro SD™ card.
High density SMT mounting type low profile connector compatible with microSD™ cards, standardized by SDA™ (SD Card Association) as a compact card for various portable devices.

* microSD™ is a trademark of SD Card Association.

Features

■Push-push structure normal mounting type connector for microSD™ memory cards, standardized by SDA™.

■Balanced EMI countermeasure by the 4 hold-down points

■Slim design with 1.45mm height, 13.7mm width and 15.2mm depth (depth including card: 17.1mm)

■Supply for automatic mounting in embossed tape (Compatible to second reflow)

■With card insertion detection structure (D-SW), Normally open

■With card lock structure

■1mm push stroke and 3.3mm card eject length
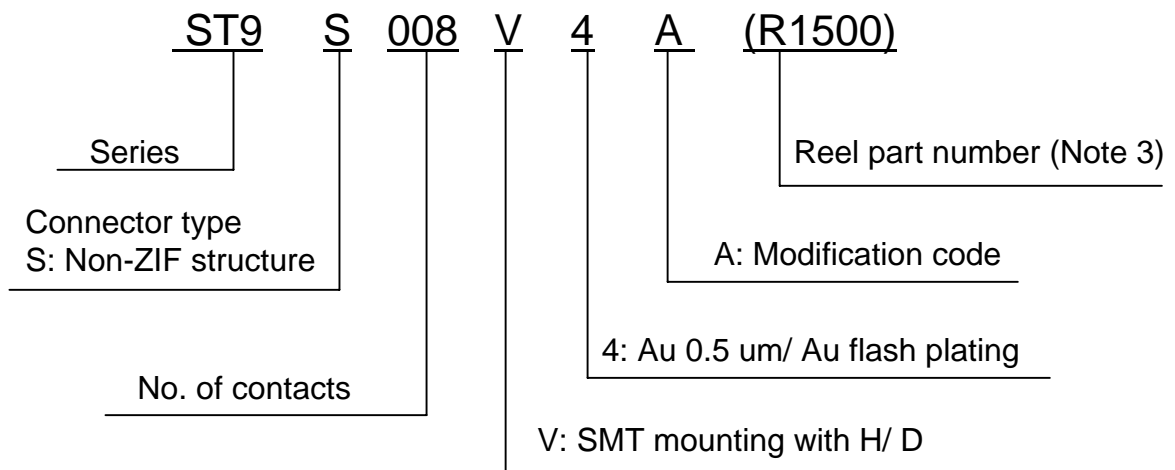
■Countermeasure to prevent the card from popping out.

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.
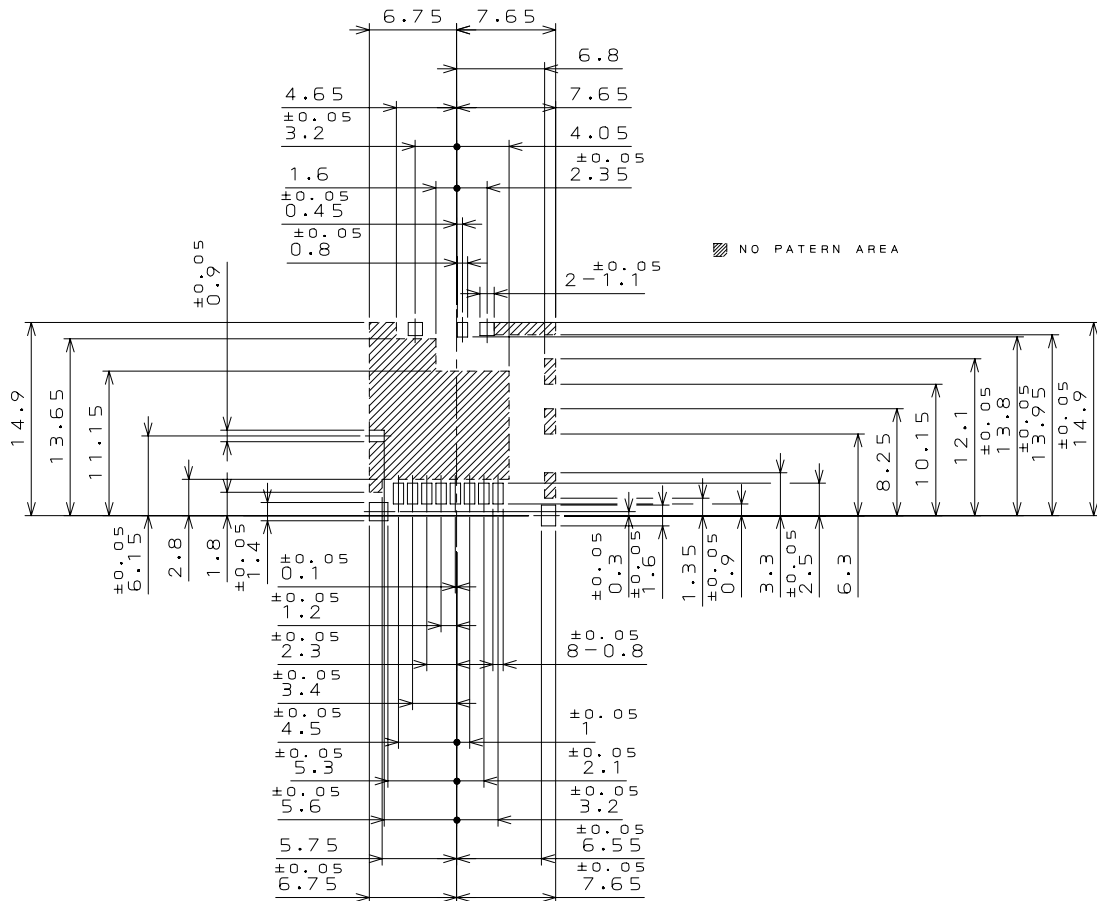
Materials and Finishes

Components	Materials /Finishes
Signal contact	Copper Alloy/ 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	Synthetic resin/ No (UL94V-0)
Spring	Stainless steel/ No
D-SW contact	Compliant to finish of signal contact
Lock	Stainless steel/ No
Cam follower	Stainless steel/ No

Ordering Information

ST9   S   008   V   4   A   (R1500)

Series

Connector type
S: Non-ZIF structure

No. of contacts

V: SMT mounting with H/ D

4: Au 0.5 um/ Au flash plating

A: Modification code

Reel part number (Note 3)

Part Number	SJ Drawing
ST9S008V4A	SJ108062

Lot No.

BASEMENT

(0.6)

Unit: mm

BASEMENT

TABLE1.CIRCUIT(REF.)

	WITHOUT CARD	CARD INSERTED
DETECTION SWITCH	5 —o o— 6 ↓ GND	5 —— 6 ↓ GND

NO PATERN AREA

Unit: mm

APPLICABLE P.C.B. DIMENSION(REF.)
適合基板寸法(参考)

Applicable board dimensions (for reference)

Note 1. This area should not touch the case in order to be free of load.

Note 2. Vacuum area

Note 3. An embossed tape reel contains 1,500 pcs.

Please contact us for details on embossed tape specifications.

Japan Aviation Electronics Industry, Limited

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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