

SG1/SG2/SG3 SERIES CONNECTORS

Connectors for SD Card



FEATURES

- Also compatible with MultiMedia Card
- Employs a new push-push eject mechanism
- Space saving design with hold-downs & SMT contacts located inside frame
- Audible click on insertion/removal
- Live insertion - pin nos. 3 and 4 connect with the card first
- Card insertion detection mechanism (pin no. 1 makes contact last)
- Write protect switch lock/unlock detection mechanism for SD card
- Card locking mechanism type available (only on SD card)

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SG Series is a socket for SD (secure digital) cards, which was standardized as a small memory or I/O card for small mobile devices by the SDA. (SDA: SD Card Association)

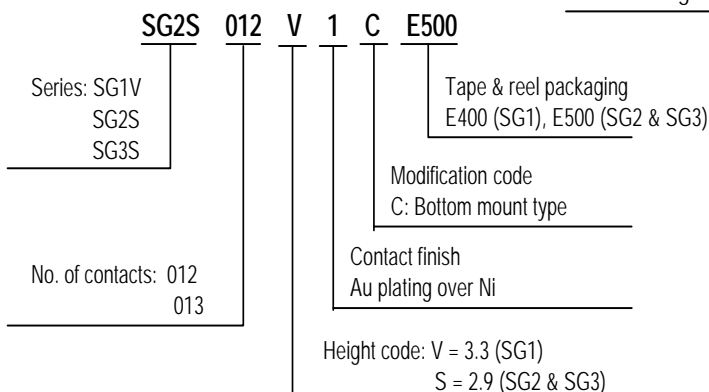
MATERIALS AND FINISHES

Description	Materials/ Finishes
Contact	Copper alloy
	Contact portion: Au plating over Ni
	Terminal portion: Sn-Pb plating over Ni
Card detection switch	Copper alloy
Write protect switch	Contact portion: Au plating over Ni
	Terminal portion: Sn-Pb plating over Ni
Housing	Glass filled LCP
Eject bar	Glass filled Nylon
Cover (including hold-down)	Stainless steel
Cam follower	Stainless steel
Spring	Piano wire/ zinc galvanizing
Spring for locking	Stainless steel

GENERAL SPECIFICATIONS

Number of Contacts	No. of contacts: 13 SG1 12 SG2 & SG3
Current rating	Less than 0.5A
Dielectric withstand voltage	500 VAC r.m.s. (for one minute)
Insulation resistance	1000 megaohms min
Contact resistance	100 milliohms max
Operating temperature	-25° C to +85° C
Rated voltage	3.3V

ORDERING INFORMATION

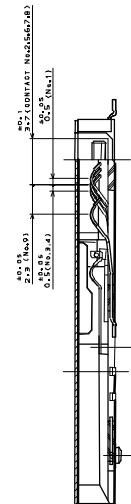


Dimensions in mm (inches).

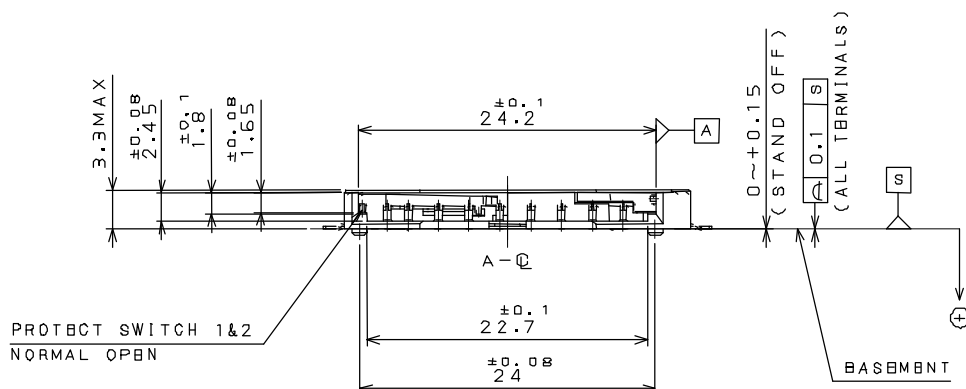
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Technical drawing of the front view of a vacuum tube. The drawing includes the following dimensions and labels:

- Top Dimensions:**
 - 9.75
 - ± 0.08 B.33
 - 5.625
 - 8.05
 - 2.5
- Left Side Dimensions:**
 - ± 0.05 2.5
 - ± 0.05 0.6
 - 32.1
 - ± 0.15
 - 28.25
 - ± 0.05 4.65
 - ± 0.05 2
 - (11.8)
 - ± 0.05 2-0.6
 - (3)
- Right Side Dimensions:**
 - ± 0.1 4-2
 - 26.65
 - ± 0.15 30.5
 - ± 0.2 34.5
 - CONTACT
- Bottom Dimensions:**
 - ± 0.1 8.4
 - (17)
 - ± 0.1 19.4
 - ± 0.05 13.25
 - ± 0.05 9-0.6
 - ± 0.15 28
 - (1.75)
 - ± 0.1 0.1 S B A
 - ± 0.2 1 (PUSH STROK) 5
 - ± 0.2 5 (BUCKET STROK)
- Internal Labels:**
 - LOT No.
 - VACUUM AREA
 - 8 7 6 5 4 3 2 1
 - 9
 - 10
 - 11
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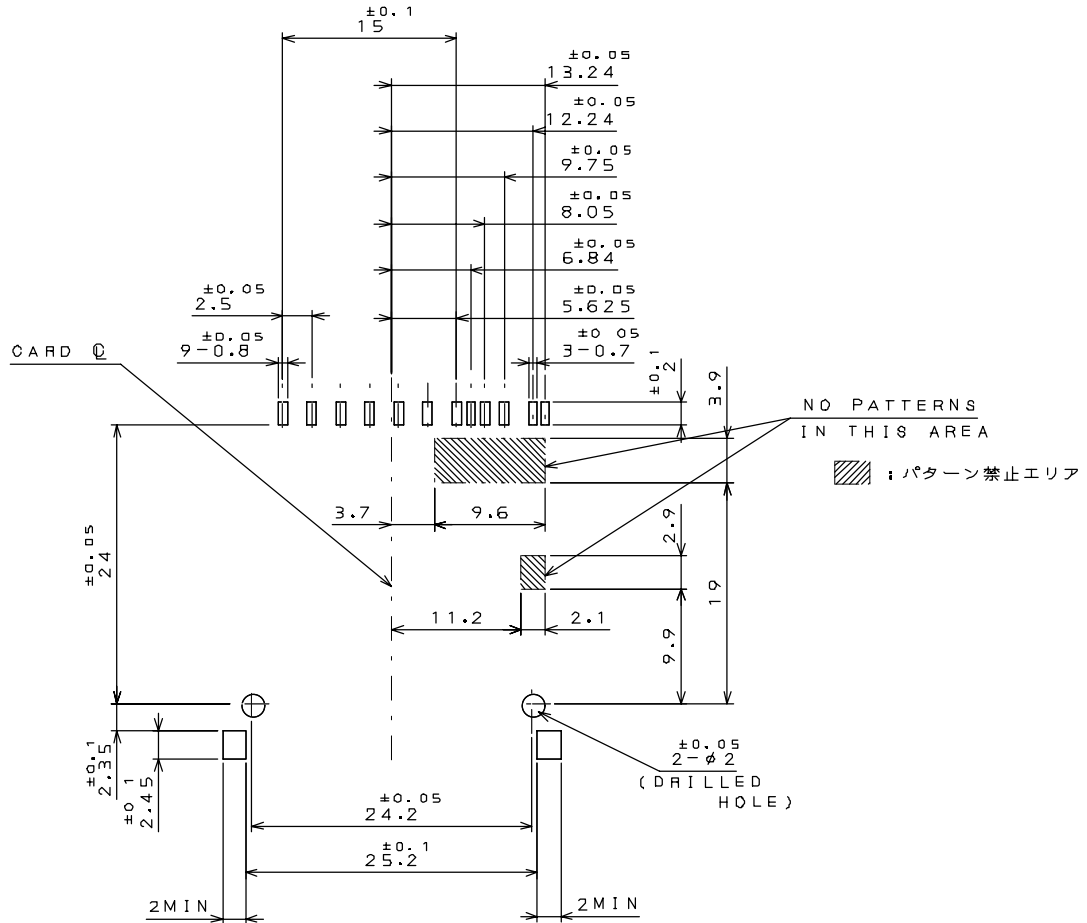
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Dimensions in mm (inches).

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Board attachment dimensions (for reference)



Detection circuit

TABLE 1. CIRCUIT (REF.)

	WITHOUT CARD	CARD INSERTED	
		WRITE PROTECT: LOCK	WRITE PROTECT: UNLOCK
PROTECT SWITCH			
DETECTION SWITCH			

Dimensions in mm (inches).