

Pin NO.	Name	Description
Pin 1	CD/DAT3	Card Detect/Date I/O
Pin 2	CMD	Command
Pin 3	VSS1	Ground
Pin 4	VDD	Power
Pin 5	CLK	Clock
Pin 6	VSS2	Ground
Pin 7	DAT0	Data I/O
Pin 8	DAT1	Data I/O
Pin 9	DAT2	Data I/O

SPECIFICATIONS

1.General Characteristics :

- SD Memory Card Connector
- Push-push Normal Type
- Card Detect Enable, Write Protect Enable
- Durability: 10000 Cycles Min.
- Card Insertion/Eject Force: 1.40Kgf Max.
- Card Withdraw Force: 0.15Kgf Min.(From The State of Card Lock)

Stand Off= 0 mm

2, Material&Finish:

- Housing: High Temperature Thermoplastic Glass Fibre Filled, UL94 V-0
- Contact: Phosphor Bronze
- Finish: Gold Flash Plated Over Nickel.
- Shell: Stainless Steel, Gold Plated On Soldering Tail

3, Electrical Characteristics:

- Voltage Rating: 100V
- Current Rating: 0.5A
- Insulator Resistance: 1000M Ohms Min.
- Contact Resistance: 80 Milli-Ohms Max.
- Dielectric Withstanding Voltage: AC 500V

4.Solderability

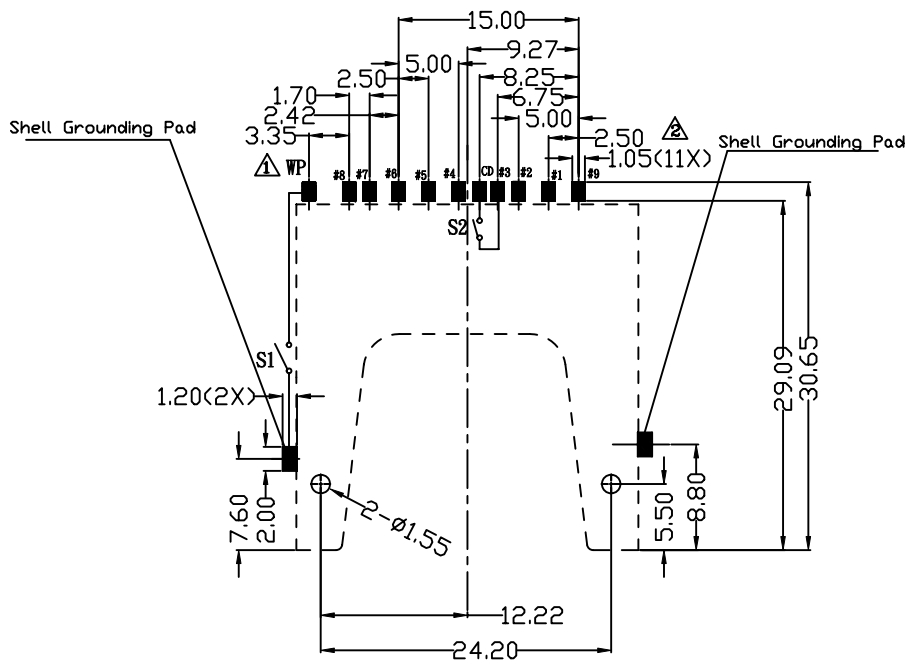
- Wave : not applicable
- Vapor phase : 215°C, 30 sec. max.
- IR reflow : 260°C, 15 sec. max.
- Manual soldering : 360°C, 3sec. max.

5, Environmental Characteristics:

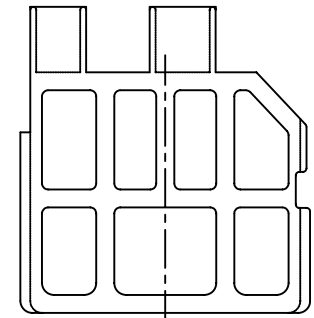
- Operation Temperature: -20°C ~ +85°C.
- Operating Humidity: 10%~95% RH
- Storage temperature : -20°C to +85°C
- Storage Humidity: 10%~95% RH

6, RoHS Compliant

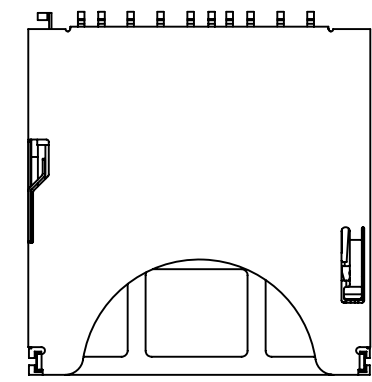
CATEGORY SD Card Connector		APPROVED BY MEI		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE					
PART No. SDC09WP001N4-H		CHECKED BY CATHY		.X	±0.38	△ A2	Marked △ were changed	LYS	05/05/2010
DRAWING No. SDC09WP001N4-H		DRAWING BY LYS		.XX	±0.15	△ A1	Marked △ were changed	LYS	01/14/2010
SCALE	NONE	REV.	A2	UNIT	mm	△ A0	NEW RELEASE	LYS	11/09/2009
						NO. REV.	REVISIONS	CHK	DATE



Reference PCB Layout
(TOLERANCES : .xx ±0.05)

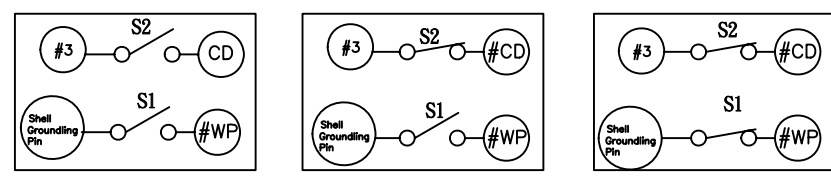


Connector's protecting card



Please keep "protecting card" being inserted into connector while soldering process.

Switches Circuit Schematic



Without Card

Card Inserted
Write Protect:lock

Card Inserted
Write Protect:Unlock

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PART No. SDC09WP001N4-H		CHECKED BY CATHY		.X ±0.38		△ A2	Marked △ were changed	LYS	05/05/2010
DRAWING No. SDC09WP001N4-H		DRAWING BY LYS		.XX ±0.15		△ A1	Marked △ were changed	LYS	01/14/2010
SCALE	NONE	REV.	A2	UNIT	mm	△ A0	NEW RELEASE	LYS	11/09/2009
						NO. REV.	REVISIONS	CHK	DATE