

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
- .Stand Off= 0 mm
- .Card Detect Enable, Write Protect Enable
- .Material:

Housing: High Temperature Thermoplastic Glass
Fibre Filled, UL94 V-0

Contact: Phosphor Bronze
Gold Flash Over Nickel Plated On Contact Area,
Tin Plated On Solder Tails

Shell: Stainless Steel, Gold Plated On Solder Tails

2.Electrical Specification:

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

3.Mechanical Specification:

- .Card Insertion/Eject Force: 1.40Kgf Max.
- .Card Withdraw Force: 0.15Kgf Min.

(From The State Of Card Lock)

- .Durability: 10000 Cycles Min.

4.Environmental Specification:

- .Operation Temperature: -20°C ~ +85°C.
- .Humidity: 10% ~ 95%
- .Storage Temperature: -20°C To +85°C
- .Humidity: 10% ~ 95% RH
- .Resistance To Soldering Heat:

Wave: Not Applicable

Vapor phase: 215°C, 30 Sec. Max.

IR reflow: 260°C, 15 Sec. Max.

Manual soldering : 360°C, 3 Sec. Max.

5.RoHS Compliant

AUK A MEMBER OF AUK GROUP
太聯事業股份有限公司
AUK CONTRACTORS CO., LTD.

CATEGORY
SD Card Connector

PART No.
SDC09WP001N4-H

DRAWING No.
SDC09WP001N4-H

APPROVED BY
VIVIAN

CHECKED BY
LYS

DRAWING BY
SJH

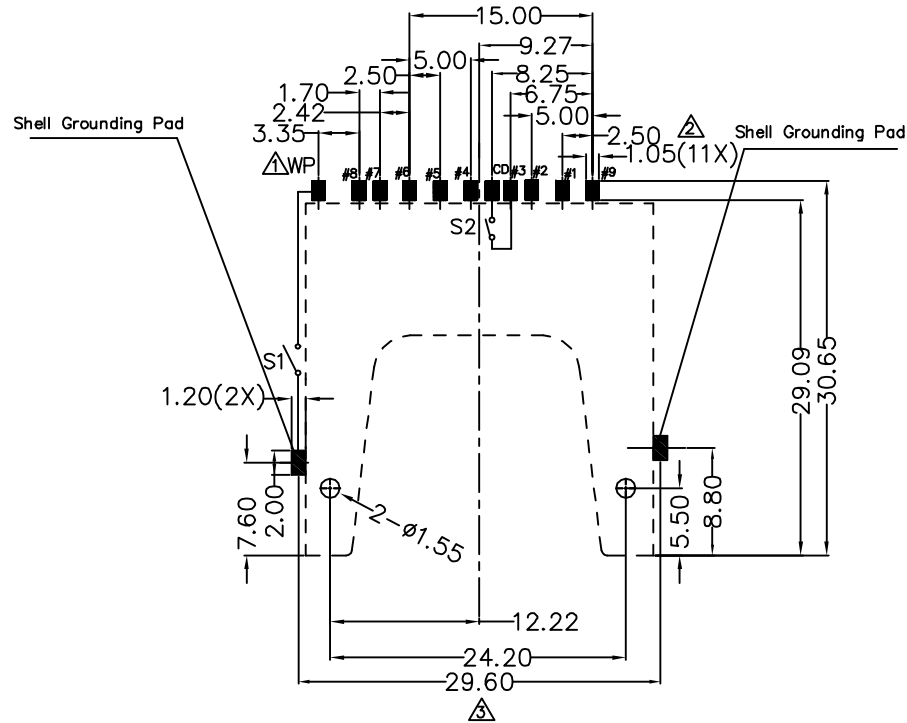
SCALE NONE

REV. A5

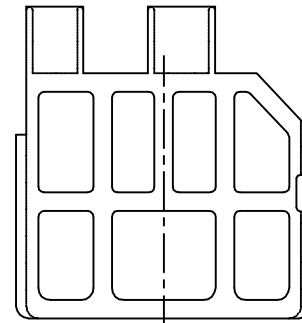
UNLESS OTHERWISE
SPECIFIED
TOLERANCES ARE
.X ±0.38
.XX ±0.15
ANG.

UNIT mm

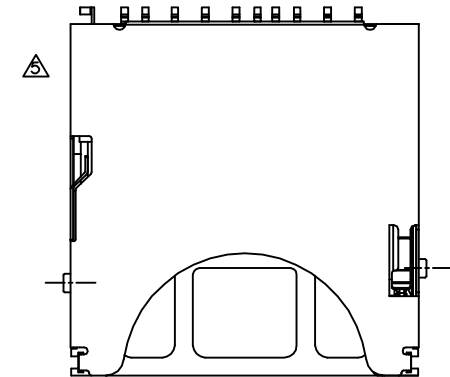
△ A5	Marked △ were changed	SJH	06/11/2012
△ A4	Added dimension	LYS	02/10/2012
△ A3	Added dimension	LYS	10/19/2010
△ A2	Marked △ were changed	LYS	05/05/2010
△ A1	Marked △ were changed	LYS	01/14/2010
△ A0	NEW RELEASE	LYS	11/09/2009
NO/REV.	REVISIONS	CHK	DATE



Reference PCB Layout
(TOLERANCES : .xx ±0.05)

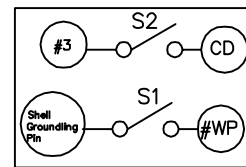


Connector's Protecting Card

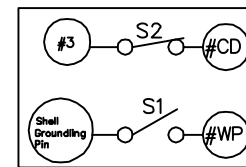


Please Keep "Protecting Card" Being Inserted Into Connector While Soldering Process.

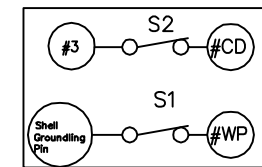
Switches Circuit Schematic



Without Card



Card Inserted
Write Protect: Lock



Card Inserted
Write Protect: Unlock

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