NOTES:
1. MATERIAL:
   HOUSING: HIGH TEMPERATURE THERMOPLASTIC
   UL 94V-0, COLOR: BLACK
   CONTACT: COPPER ALLOYS
   COVER: COPPER ALLOYS
2. PLATING:
   UNDERPLATE: NICKEL
   CONTACT AREA: GOLD OVER NICKEL
   SOLDER AREA: TIN OVER NICKEL
3. MULTIMEDIA CARD COMPATIBLE
4. WP: WRITE PROTECT
   CD: CARD DETECT INDICATION
5. < < 0.10 mm
6. P/N: SDC 009 - X 0 - 2 X X 4

GENERAL TOLERANCE
X ± 0.40
X ± 5°
X ± 0.30
X ± 2°
X ± 0.20
X ± 1°
X ± 0.10
X ± 0.5°

CUSTOMER DRAWING
PART NO. SDC009-X0-2XX4
DDW NO. SDC009-52-D

Proconn Technology Co., Ltd.
NOTES:
1. MATERIAL:
   - INSULATOR: HIGH TEMPERATURE THERMOPLASTIC
   - FLAMMABILITY RATING: UL94V-0
   - COLOR: BLACK
   - CONTACT: COPPER ALLOYS
   - COVER: STAINLESS STEEL
2. CONTACT AREA PLATING: GOLD OVER Ni
3. MULTIMEDIA CARD COMPATIBLE
4. COPLANARITY OF SODERTIALS BE WITHIN 0.10mm
5. W/P: SD CARD WRITE PROTECT
6. P/N: SDSN09-X0-0XX5

SD CARD CIRCUIT:
- SD CARD EDGE
  - CARD INSERTION FORCE: 1kg Max
  - CARD CENTER LINE

SD CONNECTOR:
- NORMAL PUSH-PUSH TYPE
- SD CARD CIRCUIT:
  - W/P: WITH CARD
  - W/P: WITHOUT CARD
- C/D: CARD DETECT INDICATION
  - WITH DATE CODE & LOGO
  - WITHOUT DATE CODE
- PACKING:
  - TRAY PACKING
  - T&R PACKING

GENERAL TOLERANCE:
- X ± 0.40
- X ± 0.30
- X ± 0.20
- XXX ± 0.10
- XXX ± 0.05

PRODUCTS ARE COVERED BY PATENTS AND/OR PATENTS PENDING.

1. THIS PRODUCT DOESN'T CONTAIN ENVIRONMENTAL HAZARDOUS MATERIALS PER DIRECTIVE 2002/95/EC FOR R&RE.
2. ALL RIGHTS RESERVED, PRODUCTS ARE COVERED BY PATENTS AND/OR PATENTS PENDING.
NOTES:
1. MATERIAL:
   - INSULATOR: HIGH TEMPERATURE THERMOPLASTIC
   - FLAMMABILITY RATING: UL94V-0
   - COLOR: BLACK
   - CONTACT: COPPER ALLOYS
   - COVER: STAINLESS STEEL
2. CONTACT AREA PLATING: GOLD OVER Ni
3. MULTIMEDIA CARD COMPATIBLE
4. COPLANARITY OF CONNECTORS BE WITHIN 0.10mm
5. W/P: SD CARD WRITE PROTECT
   - C/D: SD CARD CARD DETECT INDICATION
6. P/N: SDSN13-X0-00X5
   
a- CONTACT UNLEAD PLATING:
   - A: GOLD FLASH
   - C: 10ȝ" GOLD
b- DATE CODE:
   - 0: WITH DATE CODE & LOGO
   - 2: WITH DATE CODE W/O LOGO
c- PACKING:
   - 0: TRAY PACKING
   - 1: T&R PACKING

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General Tolerance:

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<tr>
<th>Tolerance</th>
<th>Description</th>
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<tbody>
<tr>
<td>X±0.40</td>
<td>X ± 5°</td>
</tr>
<tr>
<td>X±0.30</td>
<td>X ± 2°</td>
</tr>
<tr>
<td>XX±0.20</td>
<td>XX ± 1°</td>
</tr>
<tr>
<td>XX±0.10</td>
<td>XXX ± 0.5°</td>
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Customer Drawing:

- SDSN13-X0-0XX5
- SDSN13-02-A

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Process Compliant: RoHS
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<td>CD/DATE</td>
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<tr>
<td>2</td>
<td>CMD</td>
</tr>
<tr>
<td>3</td>
<td>VSS1</td>
</tr>
<tr>
<td>4</td>
<td>VDD</td>
</tr>
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<td>5</td>
<td>CLK</td>
</tr>
<tr>
<td>6</td>
<td>VSS2</td>
</tr>
<tr>
<td>7</td>
<td>DAT0</td>
</tr>
<tr>
<td>8</td>
<td>DAT1</td>
</tr>
<tr>
<td>9</td>
<td>DAT2</td>
</tr>
</tbody>
</table>

**NOTES:**
1. MATERIAL: HOUSING: HIGH TEMPERATURE THERMOPLASTIC UL 94V-0, COLOR: BLACK, CONTACT: COPPER ALLOY
2. PLATING: UNDERPLATE: NICKEL OVER ALL CONTACT AREA: GOLD OVER NICKEL SOLDER AREA: TIN/LEAD OR TIN ONLY OVER NICKEL
3. PART NO.: SDR009-X0-3X1X

**Recommended P.C.B Layout (Top Side)**

**General Tolerance**
- X±0.40
- Y±0.5
- X±0.3
- Y±0.2
- XXX±0.05

**Proconn Technology Co., Ltd.**

**SD Reverse Short Type**
NOTES:
1. MATERIAL:
   INSULATOR: HIGH TEMPERATURE THERMOPLASTIC
   COLOR: IVORY OR BLACK
   CONTACT: COPPER ALLOY
   COVER: STAINLESS
2. CONTACT AREA PLATING: GOLD OVER 50u" Ni
   COVER: SOLDER TAIL AREA GOLD PLATED
   UNDER PLATED NICKEL OVERALL
3. MULTIMEDIA CARD COMPATIBLE
4. PART NO: SDC009-XX-0XX03

Date Code:
1: With Date Code
2: Without Date Code
3: Color
4: Black
5: Ivory

Sn-Pd Plating:
0: Gold Flash
1-5u" Gold
2-10u" Gold
3-15u" Gold
5-30u" Gold
Unleaded Plating:
A: Gold Flash
B-5u" Gold
C-10u" Gold
D-15u" Gold
F-30u" Gold

Proconn Technology Co., Ltd.
SD Card Connector (Short Type)

CUSTOMER DRAWING
PART NO: SDC009-XX-0XX03
SWD NO: SDC009-12-F

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DOC.CONTROL
PROCONN

PROCONN

QUALITY ASSURANCE

REVISION FORMAT

APPROVED

DRAWN

CHECKED

#1

UNIT

2:1

F

QP-04-33-A