**Circuit Diagram for Card Detect Switch**

**Card Inserted**

- GND
- CD

**Without Card**

- GND
- CD

---

**Ordering Grid**

- **Request Samples and Quotation**
- **SIM8066**
- **No. of Contacts**
  - 6
- **Switch**
  - T = With
- **Profile Height**
  - T4 = 1.44mm

---

**Recommended PCB Layout**

(Viewed from Component Side - Tolerance: ±0.05mm)

- **Solder Area**
- **Keep Out Area**
- **Component Outline**

---

**Specifications**

**Material**

- Housing & Slide: High Temperature Thermoplastic, UL94V-0, Black
- Contact Terminal: Copper Alloy Metallic Shell: Stainless Steel
- Spring: SWP-B
- Link: Stainless Steel

**Plating**

- Contact: Gold Flash over Nickel
- Soldering Tail: Gold Flash over Nickel
- Shell: Cleaning

**Electrical**

- Voltage Rating: 30V AC/DC
- Current Rating: 1.0 Amp AC/DC Max.
- Contact Resistance:
  - Signal contact: 100 mΩ Max.
  - CD to GND: 200 mΩ Max.
- Dielectric Withstanding Voltage: 500V AC (60 Sec Min.)
- Insulation Resistance: 1000 MΩ Min. @ 500V DC

**Mechanical & Environmental**

- Operating Temperature: -40°C to +85°C
- Durability: 5,000 cycles

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**GCT**

**www.gct.co**
Cover Tape

Pull out direction

Vacuum Bag

PE Foam

Carton

Label

Adhesive Tape

Void Filler

Empty 15 pcs

Product 1500 pcs

Empty 15 pcs

1500 pcs x 10 = 15000 pcs

<table>
<thead>
<tr>
<th>Pcs/Reel</th>
<th>Reels/Carton</th>
<th>Pcs/Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>1500</td>
<td>10</td>
<td>15000</td>
</tr>
</tbody>
</table>

Part Number: SIM8068
Product Description: Nano SIM Card Connector
Push-Push Type, SMT, 6Pin, 1.44mm Profile

This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT).
This drawing must not be copied or disclosed without written consent.

CC
Sheet No. 3/3

Drawing Date: 19th March 2021

Units: Metric (mm)

Tolerances (Except as Noted):
- X.X ± 0.30
- X.XX ± 0.20
- X.XXX ± 0.10

± 2°