

SD CARD PIN DESIGN

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

11--WRITE PROTECT PIN  
 10--CARD DETECT PIN  
 GROUND (SHELL)--COMMON PIN

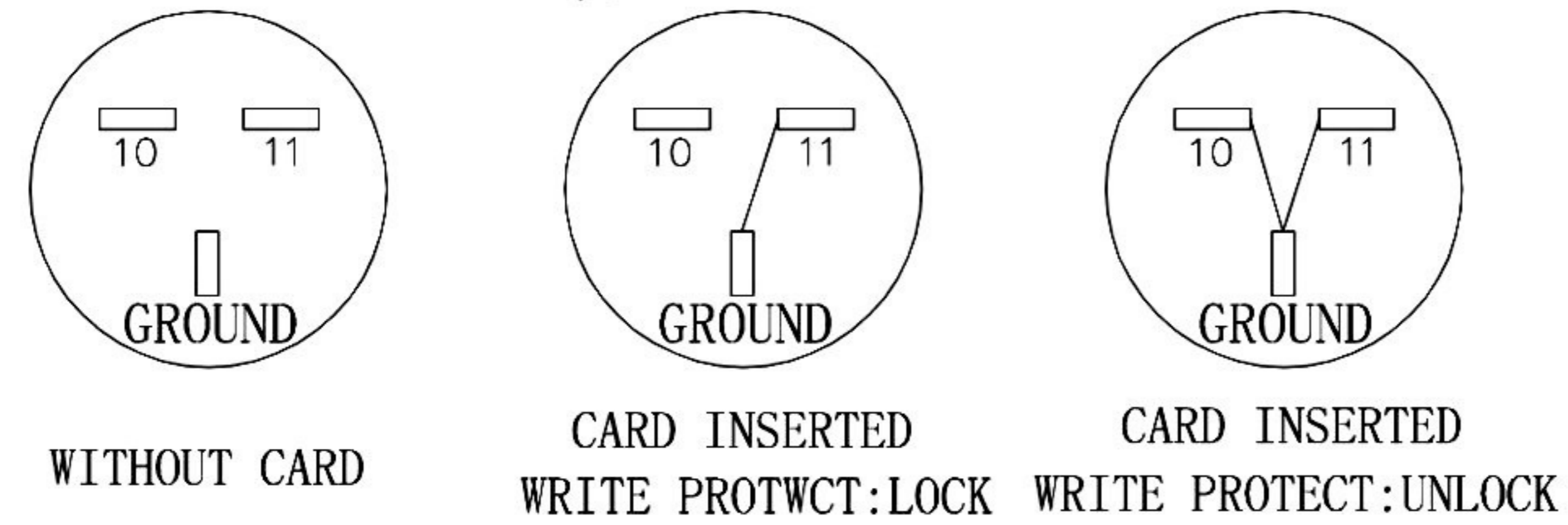
SPECIFICATION:

- 1.MATERIAL
  - 1.1 HOUSING: LCP UL94V-0,COLOR:BLACK
  - 1.2 Contacts: C5191R-H T=0.20±0.02mm(SD)  
C5191R-H T=0.20±0.02mm(WP&CD)
  - 1.3 Shell: C2680R-H T=0.20±0.02mm
- 2.CONTACT PLATING
  - 2.1 Underplate: 50u" Nickel Overall;
  - 2.2 Contact area: G/F.Au;
  - 2.3 Solder tails area: 80u"~200u" Matte Tin;
- 3.SHELL PLATING
  - 3.1 Underplate: Nickel Overall 30u"Min.
- 4.ELECTRICAL
  - 4.1 Operation voltage: 100VAC max.
  - 4.2 Current rating: 1.0Amps max.
  - 4.3 Contact resistance: 100Mohms max.
  - 4.4 Insulation resistance: 1000Mohms Min.(500V DC)
  - 4.5 Dielectric withstanding voltage: 500V AC/1Minute
  - 4.6 Temperature range: -20°C to +60°C
  - 4.7 Mating cycles: 10,000 insertions

RECOMMENDED PCB LAYOUT(TOP VIEW)

ALL TOLERANCE ±0.05

- ▨ PAD AREA
- ▩ ROUTE KEEP OUT AREA



|                               |                   |  |  |
|-------------------------------|-------------------|--|--|
| RoHS Compliant                |                   | <b>HSM 玄茂科技股份有限公司</b><br><b>HSUAN MAO TECHNOLOGY CO., LTD.</b>             |  |
| APPD. 核准<br><b>HELEN</b>      |                   | TOLERANCE 容許公差<br>.X±0.35 .x'±5'<br>.X±0.30 .x'±2.5'<br>.XX±0.25 .xx'±1.5' | PART NAME 品名<br>SD MEMORY CARD CONNECTOR 9P<br>NORMAL TYPE STAND OFF:0mm<br>SELECTIVE GOLD 3U" PLATING<br>BLACK INSULATOR ROHS |
| DWG. 製圖<br><b>ABBY</b>        | SCALE 比例<br>參考    | UNIT 單位<br>MM  | PART NO.<br>料號 <b>C0665-09NAPBR0R</b>  |
| DATE 制表日<br><b>2020/08/31</b> | PAGE 張數<br>1 OF 1 | SIZE. 紙張尺寸<br>A4   | REV. 版次<br>A   |