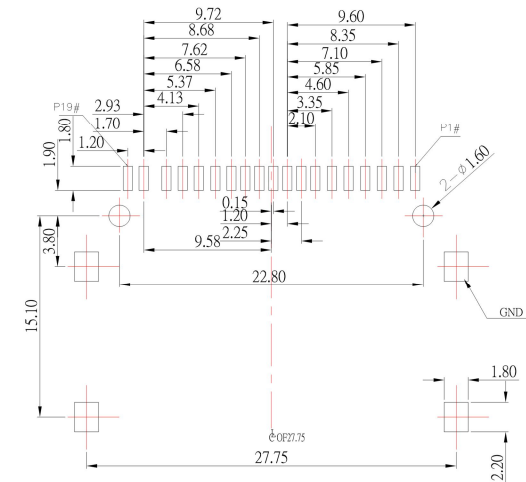
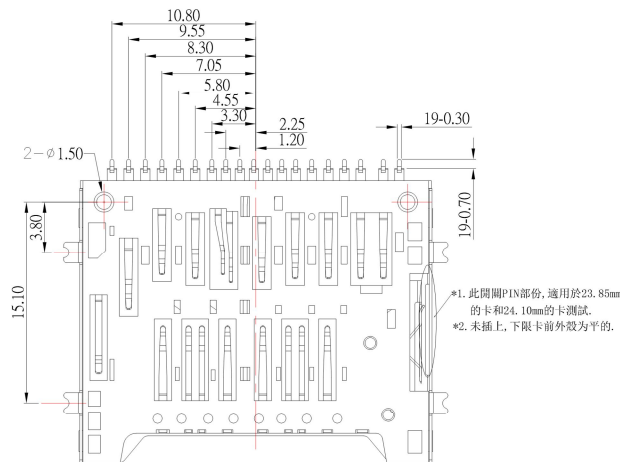
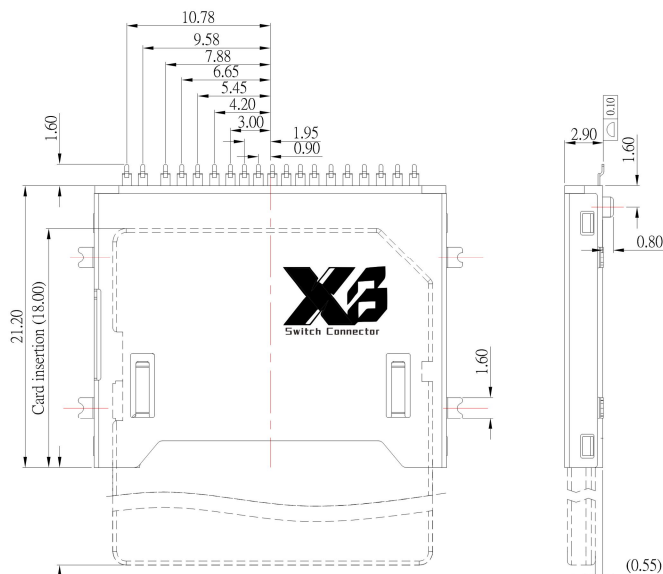




## RECOMMEENDER PCB LAYOUT

## SPECIFICATION

### Electrical :

- 1.Rating: 1.0A
- 2.Contact Resistance: 100 mΩ Max.
- 3.Insulation Resistance: 1000 MΩ Min.
- 4.Dielectric Withstanding Voltage: 500V AC .

### Environmental:

- 1.Operating Temperaturc: -20°C ~ +60°C.

### Material:

- 1.Housing: LCP
- 2.Contact: Copper Alloy
- 3.Shell: SUS

### Finish:

- 1.Contact: Plated Gold in Mating Area ;  
Tin Plated on Solder Balls ;  
Nickel under plated overall
- 2.Shell: Nickel under Plated surface layer

### PIN DEFINE:

| PIN# | NAME    | DESCRIPTION                | PIN# | NAME | DESCRIPTION           |
|------|---------|----------------------------|------|------|-----------------------|
| 1    | VSS3    | GROUND                     | 11   | VDD1 | SUPPLY VOLTAGE        |
| 2    | DAT2    | DATA LINE BIT2             | 12   | D1-  | DIFFERENTIAL DATE 1-  |
| 3    | DO+     | DIFFERENTIAL DATE 0+       | 13   | CLK  | CLOCK                 |
| 4    | CD/DAT3 | CARD DETECT/DATA LINE BIT3 | 14   | D1+  | DIFFERENTIAL DATE 1+  |
| 5    | DO-     | DIFFERENTIAL DATE 0-       | 15   | VSS2 | SUPPLY VOLTAGE GROUND |
| 6    | CMD     | COMMAND/RESPONSE           | 16   | VSS5 | GROUND                |
| 7    | CD      | CARD DETECT                | 17   | DAT0 | DATA LINE BIT0        |
| 8    | VSS1    | SUPPLY VOLTAGE GROUND      | 18   | DAT1 | DATA LINE BIT1        |
| 9    | VSS4    | GROUND                     | 19   | WP   | WRITE PROTECT         |
| 10   | VDD2    | SUPPLY VOLTAGE(1.8V)       |      |      |                       |



|               |     |                 |     |     |              |      |
|---------------|-----|-----------------|-----|-----|--------------|------|
| CARD DETECT   | 7#  | CARD OUT        | 8#  | 7#  | CARD INSERT  | 8#   |
| WRITE PROTECT | 19# | WRITE PROTECTED | GND | 19# | WRITE ENABLE | GND# |



东莞市溪榜电子有限公司  
DONG GUAN XI BANG ELECTRONICS CO., LTD.

TOLERANCE UNLESS OTHERWISE STATED :  
Up to 5 ±0.2  
Above 5 ~ 15 ±0.3  
Above 15 ~ 30 ±0.4  
Above 30 ~ 50 ±0.5  
Angle ±0.3°

3RD.  
ANGEL'S



UNITS

MM

DRAWN BY: Jack Lu  
CHECKED BY: Jacky Chen  
APPROVED BY: Tony Kao

DATE: 11/19/21  
DATE: 11/19/21  
DATE: 11/19/21

|           |        |          |                 |      |
|-----------|--------|----------|-----------------|------|
| MAT'L     |        | TITLE    | CONNECTOR       | SIZE |
| FINISH    |        | MODLE    | SD4.0 短體板上型     | A4   |
| SCALE     | 1 : 1  | DWG NO.  | SD4-004ZA4-S304 | VER  |
| SHEET NO. | 1 of 2 | PART NO. | SD4-004ZA4-S304 | R3   |

| ITEM NO. | DESCRIPTION | DRAWN | DATE   |
|----------|-------------|-------|--------|
| 3        | 更新料號        | Jack  | 111921 |
| 2        | 新增卡片插入參考尺寸  | Jack  | 022321 |
| 1        | 更新料號        | Jack  | 082820 |