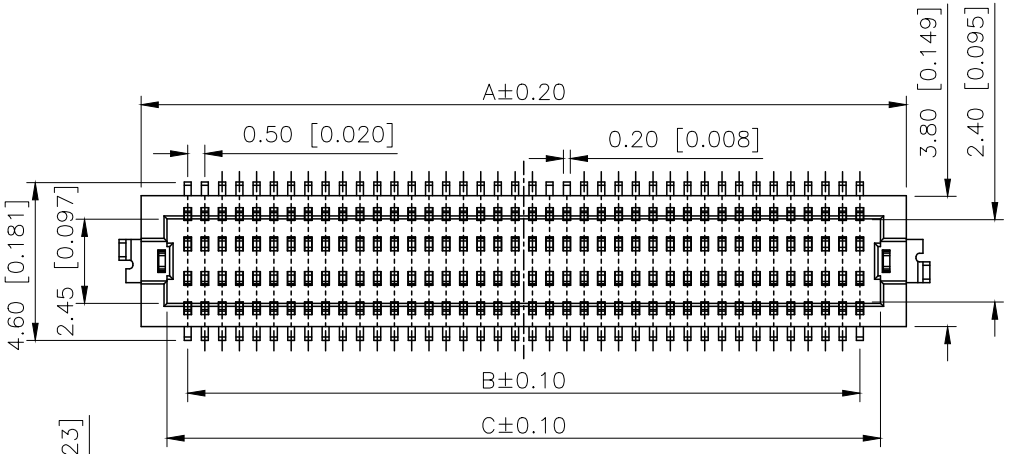
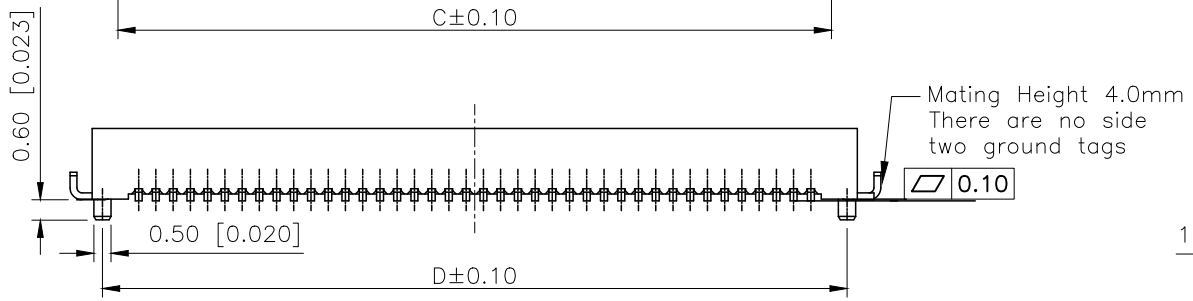
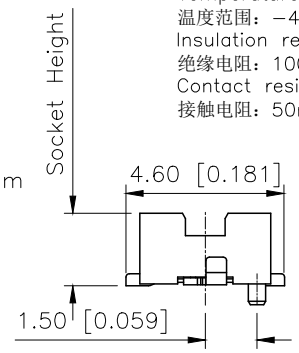
| REVISIONS | | | | | |
|---|---|---|---|---|---|
| REV. | ECN NO. | LOCATION | DESCRIPTION | DATE | DESIGN |
| A0 | N/A | | INITIAL RELEASE | / | / |
| A1 | N/A | | 图面升级整理图面 | 2025.2.14 | 阿树 |



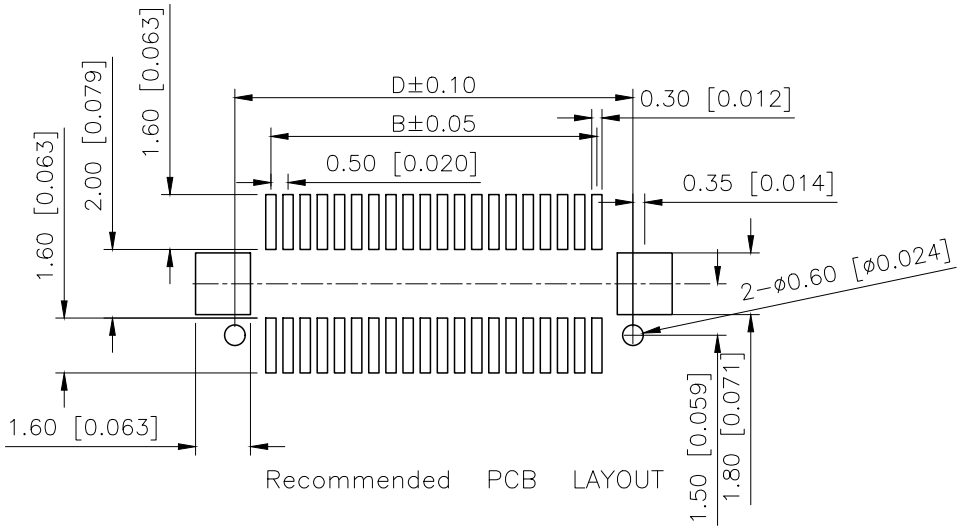




Specifications:
规格:
Voltage rating:100V AC/DC
额定电压：100V AC/DC
Current rating:0.3A AC/DC
额定电流：0.3A AC/DC
Withstanding voltage:150V AC/minute
耐受电压：150V AC/分钟
Temperature range:−40℃−+125℃
温度范围：−40℃−+125℃
Insulation resistance:100MΩ min
绝缘电阻：100MΩ Min
Contact resistance:50mΩ Max
接触电阻：50mΩ Max

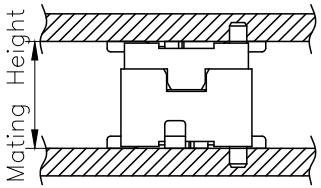
PART NO.:

X0502 F V S−80 D 1 S−LP SN
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

①Series No
②Category:F−Female
③Welding Board Angle:V−Stright 180°
④Welding Way: S−SMT
⑤Row No.Pin No:XX−10~80P
⑥Height:A:2.2mm; B:2.3mm; C:2.9mm;
⑦Type:Blank−There are no side two ground tags
1−There are with side two ground
⑧Special No:S−With positioning column
⑨Material:LP−LCP UL94V−0
⑩Plating:SN−Tin Plated;
V01−Gold Flash




Recommended PCB LAYOUT




| Mating Height | PLUG | SOCKET |
|---|---|---|
| 3.0 | 2.1 | 2.2 |
| 3.4 | 2.2 | 2.3 |
| 4.0 | 2.2 | 2.9 |
| 5.0 | 2.7 | 4.3 |

| Poles | Dimensions(mm) | | | | Poles | Dimensions(mm) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | | A | B | C | D |
| 10 | 4.70 | 2.00 | 3.20 | 4.10 | 32 | 10.20 | 7.50 | 8.70 | 9.60 |
| 12 | 5.20 | 2.50 | 3.70 | 4.60 | 36 | 11.20 | 8.50 | 9.70 | 10.60 |
| 14 | 5.70 | 3.00 | 4.20 | 5.10 | 40 | 12.20 | 9.50 | 10.70 | 11.60 |
| 20 | 7.20 | 4.50 | 5.70 | 6.60 | 50 | 14.70 | 12.00 | 13.20 | 14.10 |
| 22 | 7.70 | 5.00 | 6.20 | 7.10 | 60 | 17.20 | 14.50 | 15.70 | 16.60 |
| 24 | 8.20 | 5.50 | 6.70 | 7.60 | 80 | 22.20 | 19.50 | 20.70 | 21.60 |
| 30 | 9.70 | 7.00 | 8.20 | 9.10 | / | | | | |

| X0502FVS−80D1S−LPSN | LCP | Copper Alloy | X0502W |
|---|---|---|---|
| PART NO | Material | Material(Pin) | Suitable XKB Wafer |

| AuGLAR | ±5° |
|---|---|
| X. | ±0.40 |
| X.x | ±0.30 |
| X.xx | ±0.20 |
| X.xxx | ±0.15 |
| UNSPECIFIED TOLERAuCES | |

XKB Connection 星创

| DESIGN | 阿树 | VIEW: | MODEL TYPE: 0.5mm BTB Connector |
|---|---|---|---|
| CHECKED | | UNIT: mm/in | PART NO.: X0502FVS−80D1S−LPSN |
| APPROVED | | SIZE: A4 | DWG NO.: X−X0502FVS−80D1S−LPSN |

XKB INDUSTRIAL PRECISION CO.,LIMITED

| SCALE | PAGE | REVISION |
|---|---|---|
| N/A | 1/1 | A1 |