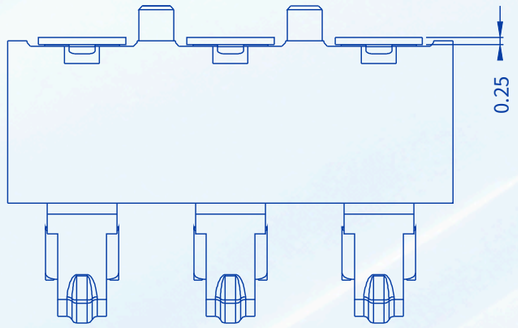
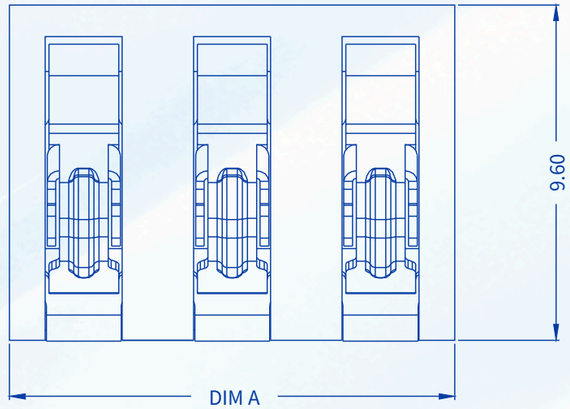
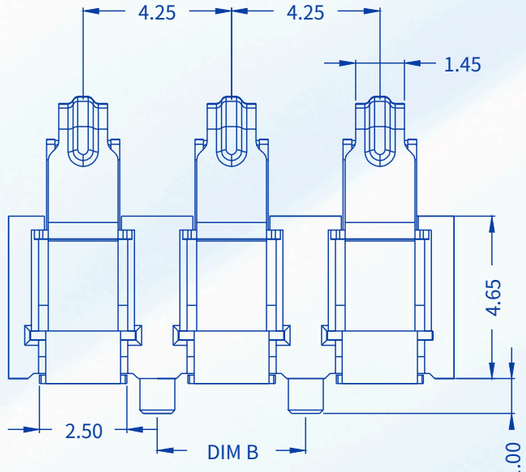
RoHS Compliant

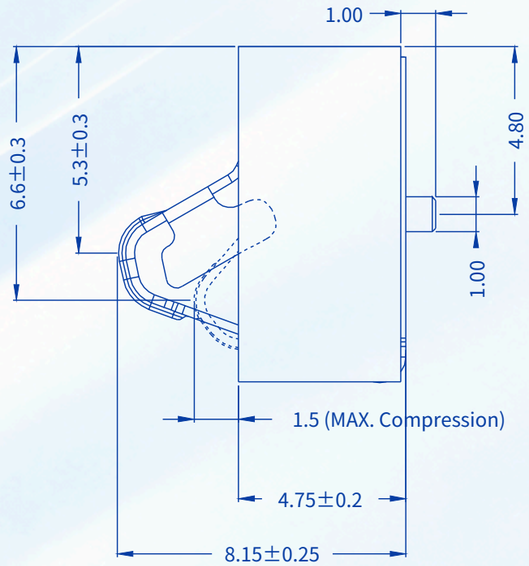
REVISION HISTORY

| REV. | DESCRIPTION | DRAWN BY | CHECKED BY | APPROVED BY |
|---|---|---|---|---|
| A0 | INITIAL RELEASE | KANGSHENG | | |

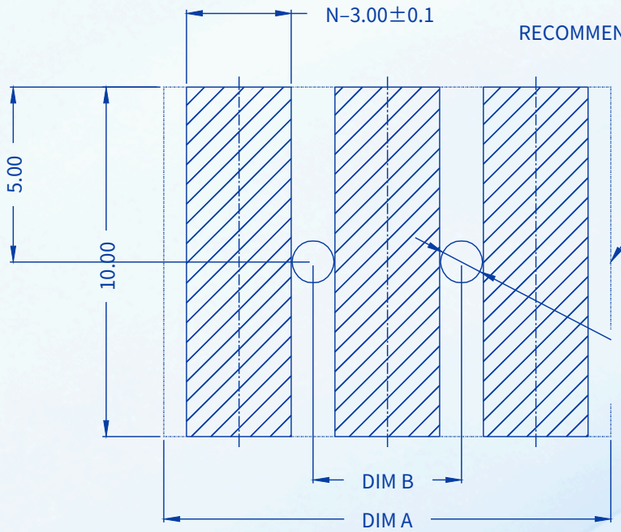



RECOMMENDED PCB LAYOUT




Ø1.20±0.1

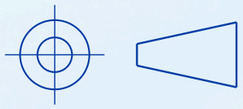
RECOMMENDED PCB LAYOUT

| MATERIAL / SPECIFICATION | |
|---|---|
| Current rating | 5.0 A |
| Voltage rating | 30 V |
| Dielectric withstand | 500 V |
| Contact resistance | 30mΩ Max |
| Insulation resistance | 500MΩ Min |
| Operating temperature | –40°C ~ +85°C |
| Housing material | LCP |
| Contact material | Phosphor bronze |
| Contact area plating | Gold 3 µin |
| Durability | 10000 cycles MIN |

| DIMENSION | | | |
|---|---|---|---|
| PINS (N) | DIM A | DIM B | DIM C |
| 3 | 12.75 | 4.25 | 8.5 |
| 4 | 17.0 | 8.5 | 12.75 |
| 5 | 21.25 | 12.75 | 17.0 |
| 6 | 25.5 | 17.0 | 21.25 |

| GENERAL TOLERANCES (UNLESS OTHERWISE SPECIFIED) | |
|---|---|
| X. | ±0.35 |
| X.X | ±0.25 |
| X.XX | ±0.15 |
| X.XXX | ±0.05 |
| PCB | ±0.05 |
| X.° | ±3° |
| X.X° | ±2° |
| X.XX° | ±1° |
| X.XXX° | ±0.5° |

PROJECTION



THIRD ANGLE PROJECTION

| | |
|---|---|
| DRAWN BY | KANGSHENG |
| CHECKED BY | |
| APPROVED BY | |

深圳市康生电子科技有限公司
Shenzhen Kangsheng Electronic Technology Co., Ltd.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| PRODUCT NAME | 4.25 mm Pitch 4.75 mm Height SMT Spring Contact Battery Connector (3–6 Pin) With Locating Post Top-Contact | | | | | | |
| PART NO. | KS-BC425-03T-475P-NN-03 | | | | | REV. | A0 |
| SCALE | NTS | UNIT | mm | SIZE | A3 | SHEET | 1/1 |