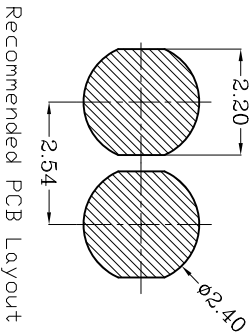
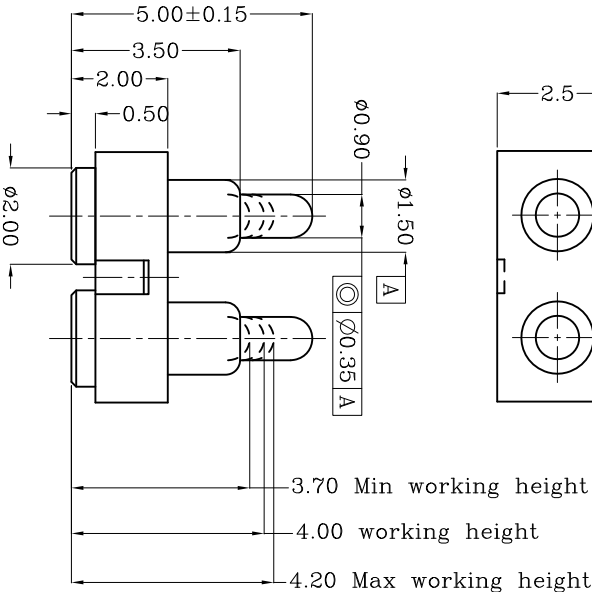
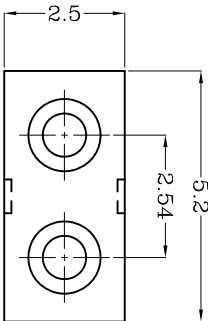


DWN No.:  
C-100100

proposal



Recommended PCB Layout

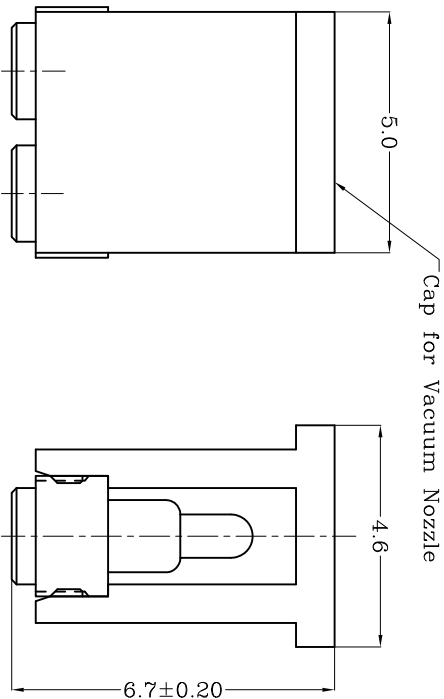
TOP-LINK

Notes:

- 1 Dimensions shall be interpreted per ASME Y14.5M.  
尺寸标准遵从ASME Y14.5M.
- 2 Mechanical performance(See the table 1) (机械性能见表1)  
<2.1>The force is the average of forces obtained when plunger goes downwards and upwards.  
<2.1>弹力大小为产品下压和回弹时的平均值  
<2.2>Warning: Working height are not permitted to be less than Min working height.  
<2.2>工作高度不得低于标示的最小工作高度
- 3 Electrical performance (电气性能)  
Insulation Resistance: 1,000MOhm minimum(绝缘电阻:1000M欧以上.)  
Dielectric Withstand Voltage: 500VAC/minute(抗电压:500VAC/minute)  
Dynamic Resistance: 30mOhm Max:(between max and min working height)  
工作范围内的动态电阻:30mOhm 最大  
Current rating: 2.5A(额定电流:2.5A)  
4 Packaging specification conforms to EIA 481  
包装规范符合EIA 481
- 5 Working temperature (工作环境)  
Withstanding Higt Temperature: 270℃(耐温: 270℃)  
Operational Temperature: -40℃~+85℃(工作温度: -40℃~+85℃ )
- 6 RoHS compliant.(产品符合RoHS标准)

| Item | Part name | Q'ty/Ed | Material                                               | Finish                                       |
|------|-----------|---------|--------------------------------------------------------|----------------------------------------------|
| 1    | HSG       | 1       | High temp:Plastic UL94 V-0<br>Halogen-free Color Black | _____                                        |
| 2    | Body      | 2       | Leoded Brass                                           | Au plating 0.1um min<br>Ni plating 1.4um min |
| 3    | Plunger   | 2       | Leoded Brass                                           | Au plating 0.4um min<br>Ni plating 1.4um min |
| 4    | Spring    | 2       | Stainless steel wire                                   | _____                                        |
| 5    | CAP       | 1       | High temp:Plastic<br>UL94 V-0 Color Black              | _____                                        |

| Table 1 Mechanical performance |            |                |
|--------------------------------|------------|----------------|
| working height                 | 4.0mm      | 80gf Min <2.1> |
| Durability                     | 10000cycle |                |



|      |                           |            |
|------|---------------------------|------------|
| C2   | Change to halogen-free ML | 2014/06/19 |
| C1   | update                    | 2014/01/06 |
| C    | update remark             | 2007/10/23 |
| Rev. | Revision record.          | Date.      |

|                                                                                         |                      |                    |        |             |
|-----------------------------------------------------------------------------------------|----------------------|--------------------|--------|-------------|
| Top-Link<br>Electronics Ltd.                                                            | Type                 | Unit               | Weight | PART NUMBER |
| TOLERANCES UNLESS<br>OTHER SPECIFIED                                                    | Customer drawing     | mm                 |        | 100100-2    |
| 0.0 = ±0.15<br>0.00 = ±0.10<br>0.000 = ±0.05                                            | DWN:<br>Qin Zuozhong | APVD:              |        |             |
| Angle: ±1°                                                                              | CHK:                 | REL:               |        |             |
| SURF TEXTURE:<br>REMOVE BURRS.<br>BREAK SHARP EDGES<br>R0.05 MAX,DO NOT<br>SCALE PRINT. | Name                 | Pogo pin connector |        |             |
| Scale                                                                                   | Size                 | DWG No.            | Page   | Rev.        |
| 1:1                                                                                     | A4                   | C-100100           | 1/1    | C2          |

Top-Link  
Electronics

Top-Link  
Electronics Ltd.