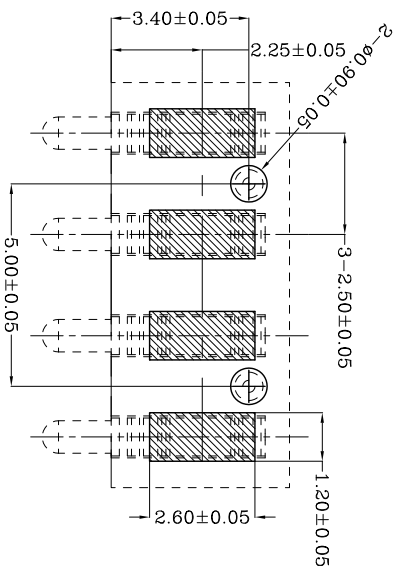
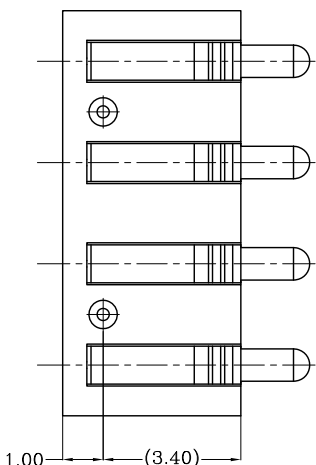
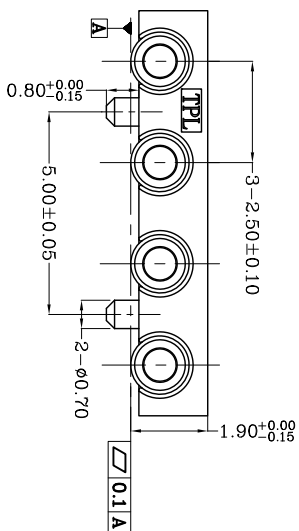
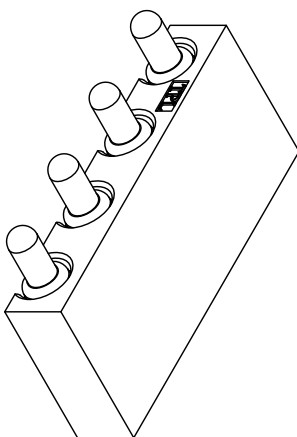




## Recommended PCB Layout



| Item | Part name | Q'ty/Ea' | Material                                  | Finish                           |
|------|-----------|----------|-------------------------------------------|----------------------------------|
| 1    | HSG       | 1        | High temp. Plastic<br>UGA V-0 Color Black | _____                            |
| 2    | Body      | 4        | Leaded Brass                              | Gold plating over Nickel plating |
| 3    | Plunger   | 4        | Leaded Brass                              | Gold plating over Nickel plating |
| 4    | Spring    | 4        | Stainless steel wire                      | _____                            |
| 5    |           |          |                                           |                                  |

Table 2 Mechanical performance

|                         |             |                 |
|-------------------------|-------------|-----------------|
| The Min. working Stroke | 0.7mm       | Min 100gf <2.1> |
| The Max. working Stroke | 1.10mm      | 160±35gf        |
| Durability              | 10000 cycle |                 |

Notes:

- 1 Dimensions shall be interpreted per ASME Y14.5M-1994.
- 2 Mechanical performance(See the table 2)
- <2.1>The force is the average of forces obtained when plunger goes downwards and upwards.
- <2.2>Warning:Working height are not permitted to be less than Min working height.
- 3 Electrical performance
- Resistance: 30mOhm Max.; Current: 2A DC
- 4 Packaging Spec.
- 5 RoHS compliant.
- 6 Operating Temperature: -40°C to 85°C.

|             |
|-------------|
| 100542-4    |
| PART NUMBER |

|      |  |
|------|--|
| DIST |  |
| DIST |  |

|      |                  |            |
|------|------------------|------------|
|      | Renewal          | 2012/02/22 |
|      | NEW              | 2011/12/28 |
| Rev. | Revision record. | Date.      |

|                                                                                                       |                  |          |      |        |
|-------------------------------------------------------------------------------------------------------|------------------|----------|------|--------|
| Top-link<br>Electronics Ltd.                                                                          | Type             | Unit     | mm   | Weight |
| TOLERANCES UNLESS<br>OTHER SPECIFIED                                                                  | DWN:             | APVD:    |      |        |
| 0 = ±<br>0.0 = ± 0.15<br>0.00 = ± 0.10<br>0.000 = ±                                                   | Qin Zuo Zhong    |          |      |        |
| Angle: ±1°<br>SURF TEXTURE:<br>REMOVE BURRS.<br>BREAK SHARP EDGES<br>R.05 MAX. DO NOT<br>SCALE PRINT. | CHK:             | REL:     |      |        |
| Name                                                                                                  | Customer drawing |          |      |        |
| Scale                                                                                                 | Size             | DWG No.  | Page | Rev.   |
| 1:1                                                                                                   | A4               | C-100542 | 1/1  | B      |