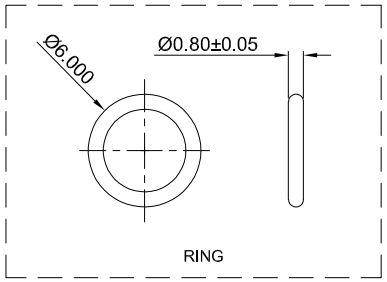
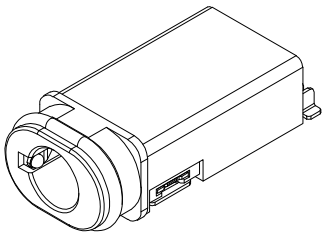


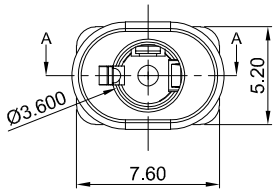

4 POLE PLUG CONTACT DETAILS
SECTION A-A

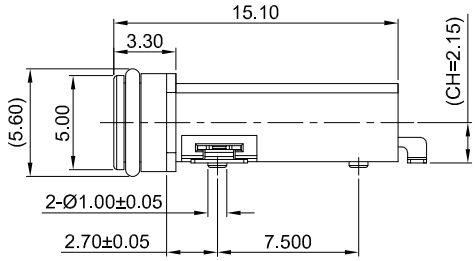


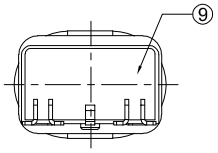



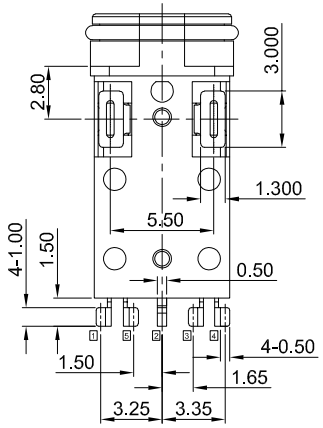
PJ-3 R 005 B-4 N G S 01

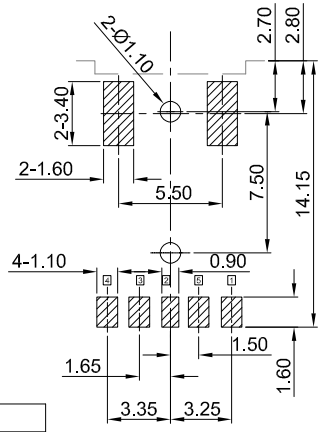
- **Type**: PJ=Phone Jack
- **Specification**: 3=Ø3.5mm
- **Angle**: R=90°
- **Serial Code**
- **Detail**
- **Number Of Contacts**: 4=TRRS
- **Housing Colour**: N=Black
- **Contact Plated**: G=Gold
- **Termipoint**: S=SMT
- **Other**



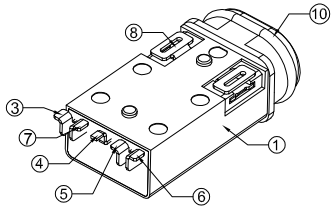



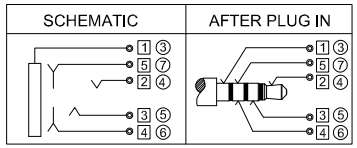




PCB REFERENCE DIAGRAM
TOLERANCE:±0.05




□ : TERMINAL NO. ○ : ITEM NO.

CIRCUIT DIAGRAM

**G-Switch Specification:**

1. Rated load: 1A
2. Insulation resistance: 100MΩ min
3. Withstand voltage: 500V AC/min
4. Contact resistance: 30mΩ max
5. Durability cycle: 5,000 Cycles
6. Insertion and extraction force: 3-30N
7. Operating temperature range: -40°C ~ +85°C
8. Waterproof grade: IPX7
9. Hardness of silicone rubber:60A

| NO. | DESCRIPTION | QTY | MATERIAL | PLATED & COLOR |
|---|---|---|---|---|
| 10 | OVAL RING | 1 | SILICONE | RED |
| 9 | BOND | 1 | – | – |
| 8 | TERMINAL | 2 | COPPER ALLOY | Sn PLATED |
| 7 | RING SPRING-3 5 | 1 | COPPER ALLOY | Au1μ" PLATED |
| 6 | RING SPRING-2 4 | 1 | COPPER ALLOY | Au1μ" PLATED |
| 5 | RING SPRING-1 3 | 1 | COPPER ALLOY | Au1μ" PLATED |
| 4 | TIP SPRING-1 2 | 1 | COPPER ALLOY | Au1μ" PLATED |
| 3 | EARTH SPRING 1 | 1 | COPPER ALLOY | Au1μ" PLATED |
| 2 | COVER | 1 | PA9T | BLACK UL 94V-0 |
| 1 | HOUSING | 1 | PA9T | BLACK UL 94V-0 |




RoHS Compliant
EU RoHS Standards

| | | | |
|---|---|---|---|
| SCALE: 1:1 | UNIT: mm | Title: | IPX7 Horizontal Ø3.5mm Phone Jack NO 7Pin L=15.10mm SMT |
| SIZE: A4 | | Molde Code: | PJ-3R005B-4NGS01 |

Unless otherwise General tolerance:

| | |
|---|---|
| X. | ±0.40 |
| X.x | ±0.30 |
| X.xx | ±0.20 |
| X.xxx | ±0.10 |
| Angles | ±3° |

| DRAWN | CHECKED | APPROVED | DATE |
|---|---|---|---|
| Wu | Xia | Chen | 2025.09.05 |

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www.dg-switch.com

REV: A0 SHEET: 1/1