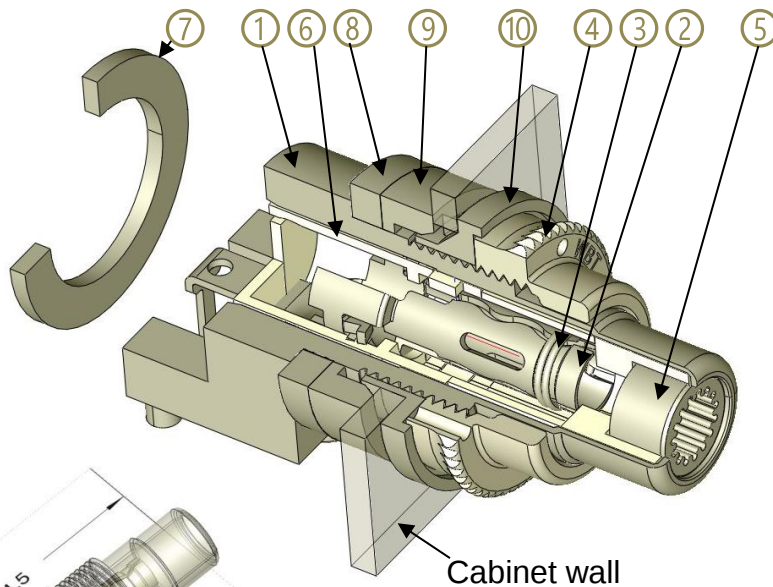




All dimension in mm

drilling scheme

Stückliste

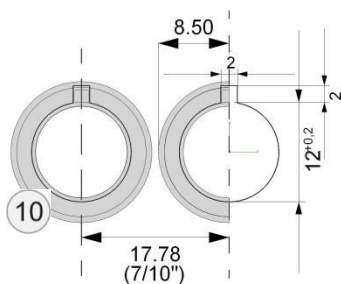
1	Base Element, brass	1
2	Internal Socket with WBT-active-spring contact, pure copper	1
3	Spring Ring, bronze	1
4	3-hole Counter Nut, knurled, brass	1
5	Marking Ring, red or white, PA 6	1
6	Dielectric, LCP	1
7	Space Washer 1 mm, PA 6	1
8	Space Washer 2 mm, PA 6	1
9	Step Washer 3.5 mm, PA 6	1
10	Double Step Washer with flat hole and tappet, 4.6 mm, PA 6	1

Extent of delivery 1 - 10 mounted

Revision date 10.10.2025

WBT is a registered trademark of WBT-Industrie GmbH

WBT-0234 "classic" RCA Socket

Coaxial socket for PCB-mounting, *horizontal version*

Suggested mounting scheme



RoHS compliant



WARNING

This product can expose you to chemicals including phthalates, lead or lead compounds which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

1. Mechanics

- single-segment, low-tolerance contact elements (tol. less than ± 0.02 mm)
- Internal Socket (2) with WBT active-spring mechanics with wrapping bronze spring ring; large spring travel for constant contact pressure even if counter pieces are worked imprecisely

2. Materials

- Base Element (1) Ms
- Internal Socket (2) pure copper
- Dielectric (6) precisely moulded injection part, LCP
- 3-hole Counter Nut (4) Ms, gold-plated

3. Surfaces

- Base Element (1) WBT-24-carat gold-plating (Pd 0.4 μ m; Au 0.3 μ m)
- Internal Socket (2) single-layer direct gold-plating (Au 0.3 μ m)
- both surfaces free from ferromagnetic properties

4. Operating characteristics (reliable observed after more than 10^3 connections/disconnections)

- Permanent current $I_D > 5$ A
- Transition resistance $R_D < 0.1$ mOhm (loop measured with WBT-0110)
- Volume resistance $R_B < 0.05$ mOhm
- Self capacitance $C \approx 6.3$ pF
- Insulation resistance $R_{iso} > 10^{10}$ Ohm
- Characteristic impedance $Z = 16$ Ohm

5. Terminals

- designed for PCB solder mounting, 1/10 inch grid
- mounting pins for direct solder fastening
- additional fixation by a self-locking cylinder head bolt M2.5

6. Mounting

- problem-free by hand using the knurled 3-hole Counter Nut (4)
- recommended distance of two socket centres: 17.78 mm = 7/10 inch (standard, see drawing)

Warning: The use of contacting agents and cleaners containing solvents can lead to damage to the plastic components.