

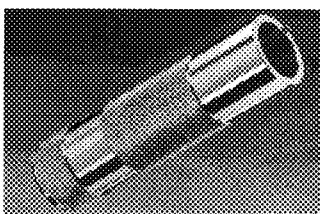
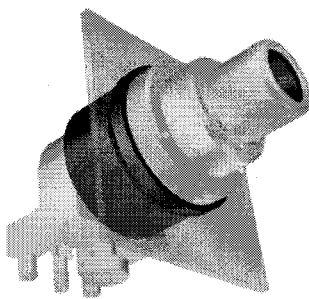
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⑥	Dielectric, Teflon*	1
⑦	Space washer, PA, 1 mm	1
⑧	Space washer, PA, 2 mm	1
⑨	Step washer, PA, 3.5 mm	1
⑩	Double step washer with round hole, PA, 4.6 mm, red or white	1
⑪	Cylinder head screw M2,5 x 0,5 x 4 mm	1
Extent of delivery: 1-11 (parts 1-10 mounted)		
Revision date : 18.10.1999		

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All dimensions in mm, values in brackets: inch

WBT-0234 Coaxial socket (RCA)

Coaxial socket for pc board mounting, *horizontal version*



Special mandrel tool WBT-0299

1. Mechanics

- single-segment, low-tolerance contact elements (tol. less than ± 0.02 mm)
- base element with mounting posts machined directly from basic element
- internal socket, exactly centered: WBT double prism contact (active spring principle) due to a double-wrap bronze spring lock washer; large spring travel for constant contact pressure even if counterpieces are imprecisely worked

2. Materials

- base element: "OFC" copper alloy (68% Cu)
- internal socket: "OFC" copper (99.996% Cu)
- dielectric: Teflon*
- external insulation: polyamide 6

3. Surfaces

- base element: WBT 24-carat gold-plating
Cu 11 μ m duplex, Pd 4 μ m, Au 0.3 μ m duplex
- internal socket: WBT 24-carat gold-plating, 1 layer Au 0.25 μ m

4. Operating characteristics (reliably observed after more than 3.000 connections/disconnections)

- constant current $I_D > 40$ A
- contact resistance $R_C \leq 0.1$ mohms (loop, measured with WBT-0108)
- volume resistance $R_B \leq 0.05$ mohms
- self-capacitance $C \approx 6.3$ pF
- insulation resistance $R_{so} > 10^{10}$ ohms
- surge impedance (projective) $Z = 16$ ohms

5. Terminals

- solder-type for pc-board mounting in a 1/10 inch grid
- massive mounting posts offer direct solder contact and extra stability, permanent fixing by self-securing cylinder head screw

6. Mounting

- problem-free by hand using the knurled nut
- for series processing we recommend the special mandrel tool WBT-0299
- recommended distance of sockets center to center : 17.78 mm = 7/10 inch (standard)