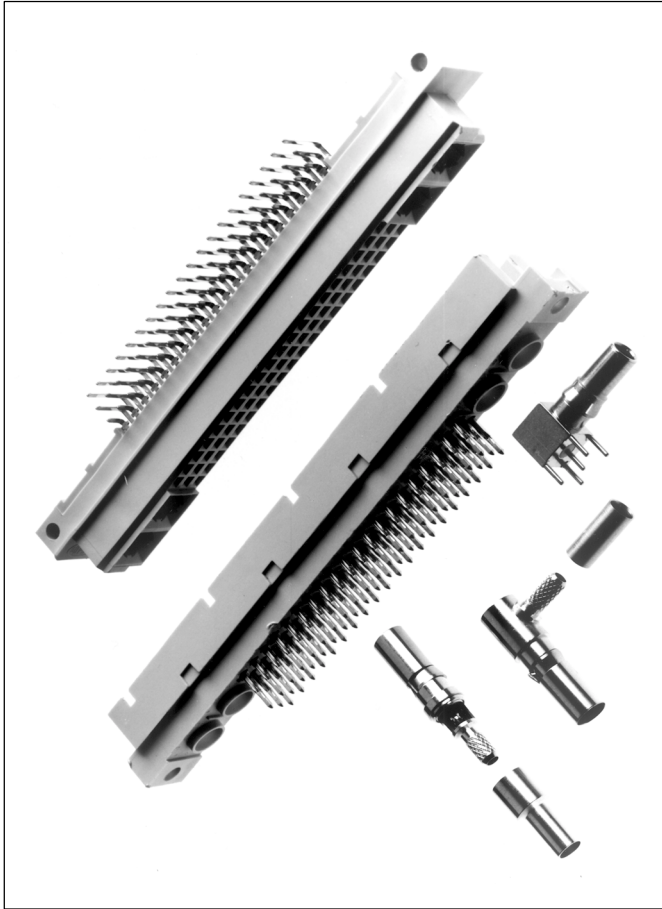


DIN 41626 coaxial contacts



50 Ω

DC - 2 GHz

GENERAL

DIN 41626 coaxial contacts are designed to be used in two piece DIN 41612 connectors and also to be inter-mateable with DIN 1.0/2.3 standard connectors.

They are available in two performance classes :

- **class 1** = 500 mating cycles
- **class 3** = 200 mating cycles

In the two classes, the center contact is solder type and the outer contact is either crimp type on flexible cables or solder type for PCB mounting.

RELEVANT STANDARDS

- DIN 41626
- DIN 41297

APPLICATIONS

- Civil RadioTelecommunication equipment

Edition 1995 May

DIN 41626 coaxial contacts

CHARACTERISTICS

ELECTRICAL CHARACTERISTICS

Impedance	50 Ω
Frequency range	DC - 2 GHz
Temperature rating	- 55 + 125 °C
VSWR	1,40 max.
Voltage rating	750 V max.
Insulation resistance	1000 M Ω min.

MECHANICAL CHARACTERISTICS

Cable retention	40 N min.
Center contact axial retention	10 N min.
Life/Mechanical endurance Class 1 Class 3	500 matings min. 200 matings min.

MATERIALS AND PLATING FINISH

	Material	Finish	
		Class 1	Class 3
Body and outer contact	Brass	Au 1.3 μ	Au 0.5 μ
Female center contact	Cube2	Au 2.5 μ	Au 1.3 μ
Male center contact	Brass	Au 2.5 μ	Au 1.3 μ
Insulator	PTFE		
Retention clip	Cube2	Ni	Ni
Ferrule	Brass	Au	Au
		Other plating finishes available upon request	

APPLICABLE CABLES

Cables suitable for use with RADIALl connectors.
The cables are divided into cable groups defined by the approx. diameter in mm/impedance in ohms.

PART NUMBER	IMP Ω	DIAMETER in inch (mm)					CABLE GROUP
		CORE		DIELECTRIC	MAX SCREEN	JACKET	
		Composition	Nom. Dia.				

MIL-C-17-F FLEXIBLE CABLES

RG 174A/U	50	7 X .006 (0.16)	.019 (0.48)	.060 (1.52)	.088 (2.24) SB	.110 (2.79)	.102 (2.6)/50
RG 178B/U	50	7 X .004 (0.10)	.012 (0.30)	.033 (0.84)	.054 (1.37) SB	.071 (1.80)	.079 (2)/50
RG 188A/U	50	7 X .007 (0.18)	.020 (0.51)	.060 (1.52)	.081 (2.06) SB	.110 (2.79)	.102 (2.6)/50
RG 196A/U	50	7 X .004 (0.10)	.012 (0.30)	.033 (0.84)	.054 (1.37) SB	.071 (1.80)	.079 (2)/50
RG 316	50	7 X .007 (0.18)	.020 (0.51)	.060 (1.52)	.081 (2.06) SB	.098 (2.49)	.102 (2.6)/50

NF-C 93-550 FLEXIBLE CABLES

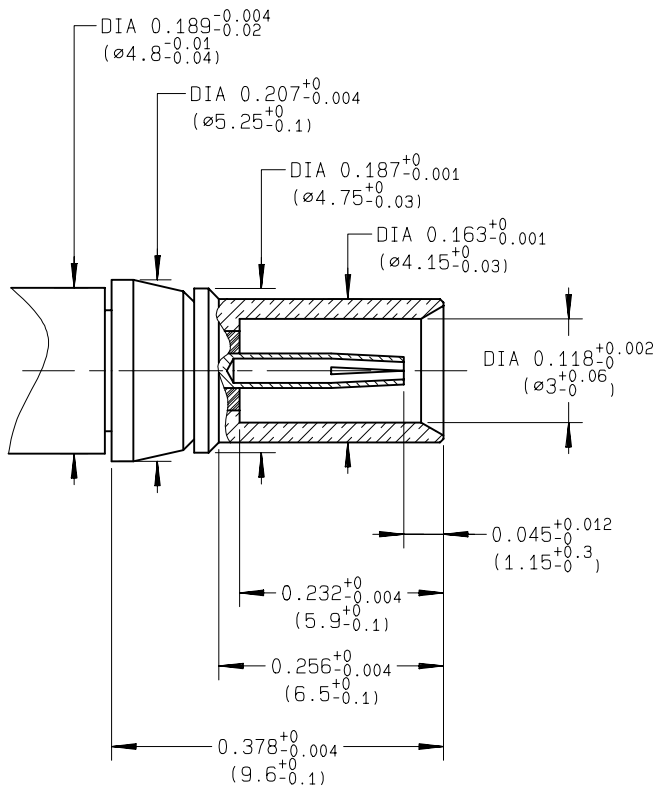
KX 21A	50	7 X .004 (0.10)	.012 (0.30)	.034 (0.87)	.054 (1.37) SB	.071 (1.80)	.079 (2)/50
KX 22A	50	7 X .007 (0.18)	.020 (0.51)	.059 (1.50)	.081 (2.06) SB	.098 (2.50)	.102 (2.6)/50

SB: Single braid

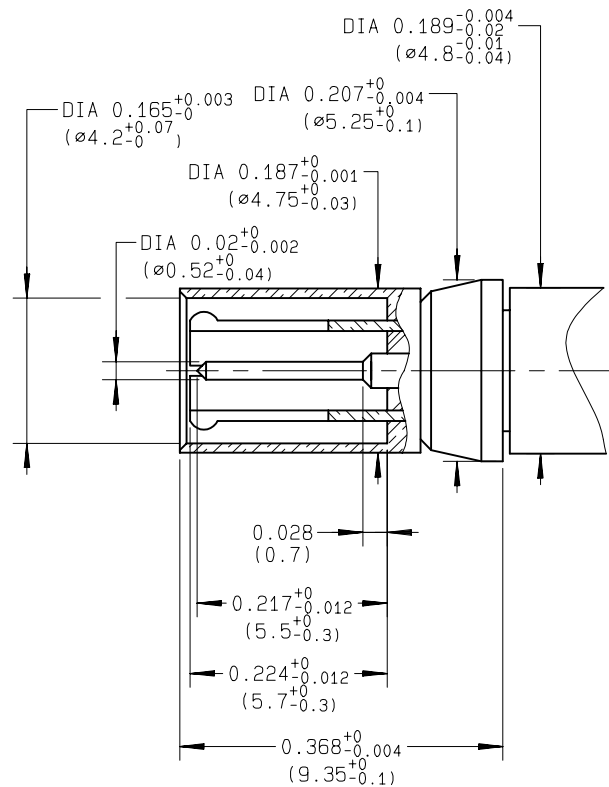
DIN 41626 coaxial contacts

INTERFACE

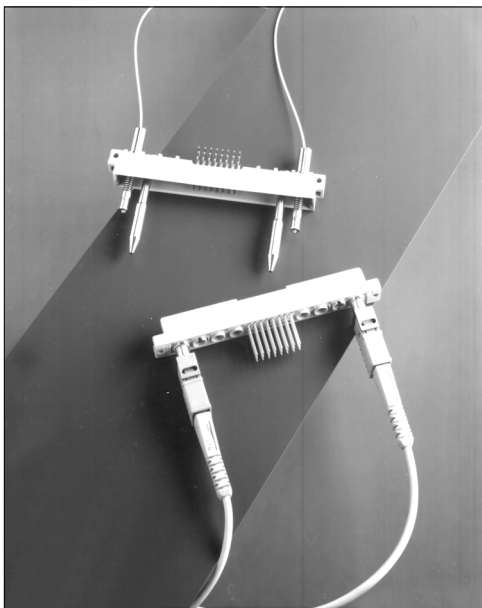
JACK



PLUG



BPO series (fiber optic contacts)



Also available from RADIALL :

- High power contacts : **681 series**
- Fiber optic contacts : **BPO and OPTIPACK series**

These 2 series are designed and manufactured in accordance with DIN 41626 standard

Catalogues are available, giving complete product details, dimensions, technical characteristics, etc...

All dimensions are given in inches (mm)