

# TCX\* SERIES – BAE JN1123

## Connector for use on the Eurofighter / Typhoon Aircraft

- ❑ Designed for L-shaped boxes.
- ❑ 5 shell sizes with environmental sealing and metal to metal bottoming.
- ❑ Field replaceable inserts.
- ❑ Ground spring on the plug shell providing 360° EMC screening.
- ❑ EMI/NEMP protection provided by filter arrays and transient suppressors.



The **RADIAL** TCX\* series (TYPHOON connector) meets the requirements of JN1123 BRITISH AEROSPACE specification. It has been designed to fit L-shaped boxes, to withstand extreme physical conditions and to provide EMC screening. This series of connectors is using MIL-C-83527 contacts. The 5 shell sizes are environmentally sealed thanks to an O-ring gasket on the plug shell. Electromagnetic field shielding is provided by the use of a ground spring on the plug shell. NEMP/EMI protection of the equipment boxes is also possible by using filter arrays and transient suppressors on the receptacle.

### TECHNICAL CHARACTERISTICS :

• Temperature range :	-40°C/+150°C	• Altitude immersion :	133Pa
• Temperature life :	1000 hours at 150°C	• Shielding effectiveness :	50 dB at 10 GHz
• Salt spray :	500 hours	• Shell to shell conductivity :	2,5 mΩ
• Humidity:	10 days / 95% RH	• Durability :	500 mating & unmating

\* : Manufactured under SMITH INDUSTRIES PLC license.  
Patent numbers : GB 2134333B, GB 2206748B, FR 8401237, DE P3865115.7, IT 0297711.

ISO 9001 APPROVED



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# HOW TO ORDER :

**TCX F P 5 S E S A S B X Z S K 00 5M**

**Series** \_\_\_\_\_

**Application** \_\_\_\_\_  
 F : Front mounted  
 R : Rear mounted

**Shell style** \_\_\_\_\_  
 R : Receptacle  
 P : Plug

**Shell size** \_\_\_\_\_  
 1, 2, 3, 4 or 5

**Contact termination type (shell cavity A)** \_\_\_\_\_  
 X : without contacts.  
 S : crimp.  
 D : solder cup.  
 K : wire wrap.  
 W : long wire wrap.  
 Y : pc tail contacts .025 (0.635) dia, .228 (5.80) length.  
 YA : pc tail contacts .025 (0.635) dia, .150 (3.80) length.  
 YB : pc tail contacts .025 (0.635) dia, .374 (9.50) length.  
 Z : same as Y but with pre tinned pc tail.  
 ZA : same as YA but with pre tinned pc tail.  
 ZB : same as YB but with pre tinned pc tail.

**Insert arrangement code (shell cavity A)** \_\_\_\_\_  
 See JN1123.

**Contact termination type (shell cavity B)** \_\_\_\_\_  
**Insert arrangement code (shell cavity B)** \_\_\_\_\_

**Contact termination type (shell cavity C)** \_\_\_\_\_  
**Insert arrangement code (shell cavity C)** \_\_\_\_\_

**Contact termination type (shell cavity D)** \_\_\_\_\_  
**Insert arrangement code (shell cavity D)** \_\_\_\_\_

**Contact termination type (shell cavity E)** \_\_\_\_\_  
**Insert arrangement code (shell cavity E)** \_\_\_\_\_

**Modification code** \_\_\_\_\_  
 00 : According to JN1123 specification.  
 01 : front mounted plug delivered without retaining bush.

**Polarisation code** \_\_\_\_\_  
 According to JN1123 specification.

For further information please contact your nearest Radiall representative :

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