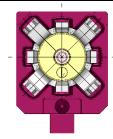
# Fakra PCB – Straight male with poka-yoke pin Process: Reflow

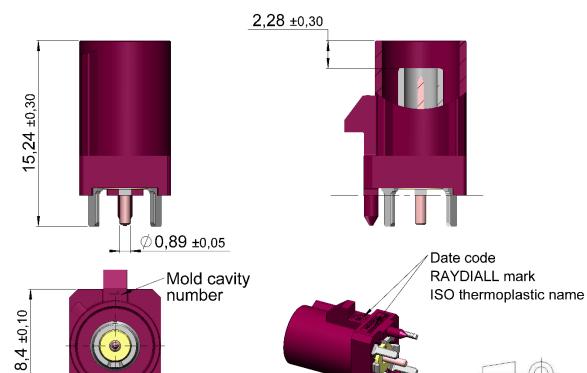


### R197.156.D38

### **TECHNICAL DATA SHEET**

Rev	Date	Edited	Approved	Validated	Modification
1	22/08/2019	Y.Jamardo	Y.Gay	R.Chantre	Creation





Components	Materials	Plating
Body	Brass	Matt Tin over Nickel
Center contact	Brass	Gold over Nickel
Insulator	High temperature polymer GF30	Natural color
Housing	High temperature polymer GF30	Bordeaux RAL 4004

All dimensions are in mm

 $7,5\pm0,10$ 

# Fakra PCB – Straight male with poka-yoke pin

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**TECHNICAL DATA SHEET** 

Interface According to ISO 20860-1

Application TBD

### **Electrical characteristics**

Impedance 50  $\Omega$  Frequency 0-3 GHz

VSWR ≤1.4 (45MHz to 2GHz)

≤1.5 (2GHz to 3GHz)

Voltage rating 335 Veff Maxi
Dielectric withstanding Voltage 1000 Veff maxi
Insulation resistance ≥1000 MΩ

### **Mechanical characteristics**

Center contact retention, axial force, mating end Center contact retention, axial force, opposite end Housing retention  $\geq$ 10 N mini  $\geq$ 110 N mini Mating cycles  $\geq$ 25

#### **Environmental**

Operating temperature -40 / +105°C

RoHS compliant

Component weight тво

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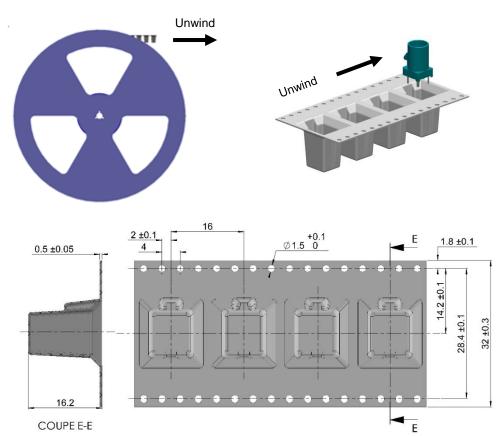
TECHNICAL DATA SHEET

### Packaging 5 plastic reels inside 1 cardboard box

### Primary packaging: plastic reel

• Dimensions : Ø 380 x 38mm

- Number of connectors per reel: 350
- Carrier tape description:
  - o 32mm width, 16mm pitch.
  - $\circ\quad$  Material: thermoplastic static dissipative. Cover tape material: Thermoplastic antistatic



### Secondary packaging: Cardboard box

- Outside dimensions: 40 x 40 x 20 cm
- Number of reels per cardboard box: 5
- Number of connectors per cardboard box: 1750
- Weight: 5.1 kg



## Fakra PCB – Straight male with poka-yoke pin Process: Reflow



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**TECHNICAL DATA SHEET** 

### **Storage**

The product must be used as soon as it is removed from the cells.

Do not leave the product in the open air.

Reels should be stored indoors, in his original unopened packaging, in a controlled climate environment not exceeding  $-20^{\circ}\text{C}$  /  $+40^{\circ}\text{C}$  and 60% Max. relative humidity.

Reels should be protected from direct sunlight and should be used on a "first-in, first-out" basis.

It is recommended that connector be used within 1 year from the date of manufacture when stored according to the recommended storage condition.

#### **PCB Cut out**

- PCB Thickness: 1,6 mm.
- PCB recommended material: FR4 (£r = 4.6).
- 5 metalized holes.
- Solder paste has to be printed onto the land of solder and into holes to permit Pin in Hole Reflow.
- This layout is a recommendation for solderability.
- Design and performances of the PCB will depend on customers choices and RAYDIALL cannot be considered as responsible in case of bad performances.
- A numerical simulation of the PCB is recommended to optimize the RF performance in high frequency.

