

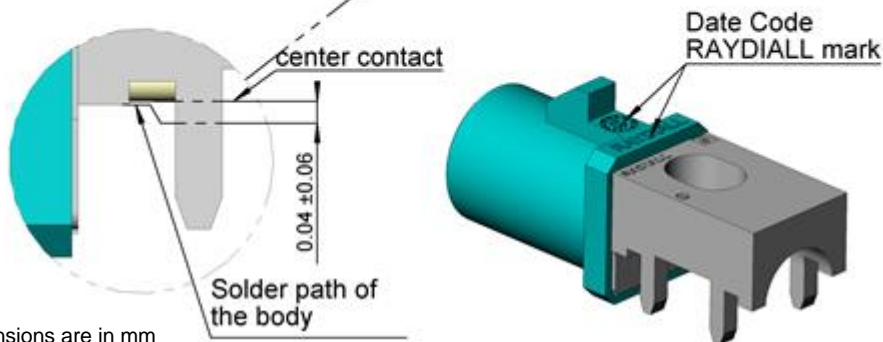
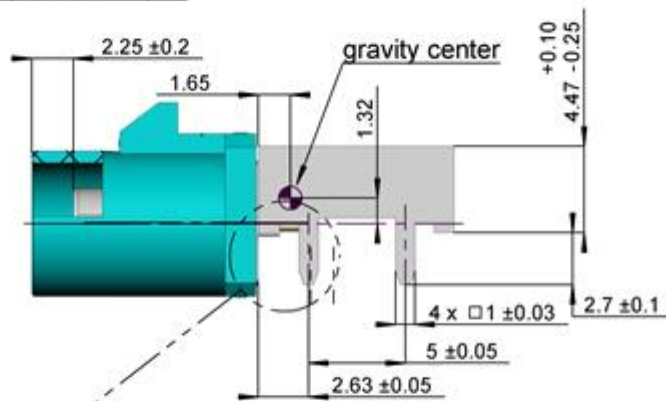
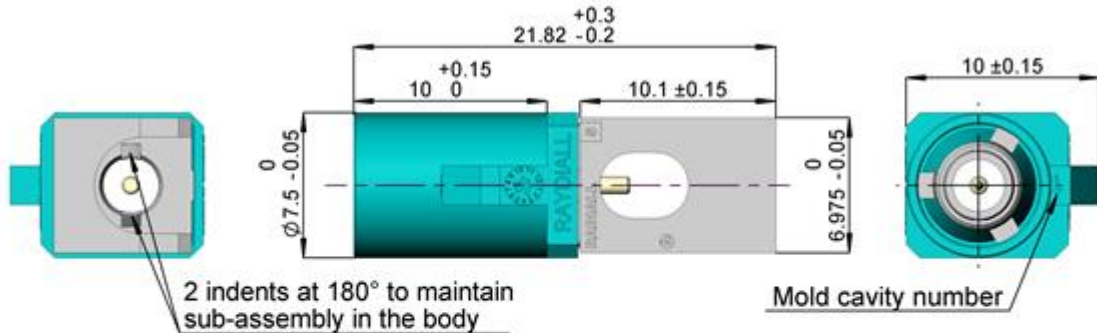
STRAIGHT PCB RECEPTACLE EDGE CARD – PIN IN PASTE VERSION



R197.160._28

TECHNICAL DATA SHEET

| Rev | Date | Edited | Approved | Validated | Modification |
|-----|------------|------------|----------|------------|--------------|
| 1 | 13/06/2019 | C.Chavanne | Y.Gay | R.Chantre | Creation |
| 2 | 12/06/2020 | L.Gering | Y.Gay | Florian T. | |



All dimensions are in mm

| Components | Materials | Plating |
|----------------|----------------------|--------------------------|
| Body | Zinc Alloy | Tin for high temperature |
| Center contact | Brass | Gold over Nickel |
| Insulator | PTFE | Natural color |
| Housing | Polymer PA 4.6 GF30* | See Codings |

*Material classification flammability UL94: HB

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Interface According to ISO 20860-1

Application This terminal has been qualified according USCAR-17 Rev.4 (March 2013) and USCAR-2 Rev.5 (November 2007).

Electrical characteristics

| | |
|---------------------------------|---------------------------|
| Impedance | 50 Ω |
| Frequency | 0-4 GHz |
| VSWR | 1.6* + 0.013 xF(GHz) Maxi |
| Voltage rating | 335 Veff Maxi |
| Dielectric withstanding Voltage | 1000 Veff maxi |
| Insulation resistance | 1000 M Ω |

*Coax transmission line only

Mechanical characteristics

| | |
|---|--------------|
| Center contact retention, axial force, mating end | ≥ 10 N |
| Center contact retention, axial force, opposite end | ≥ 10 N |
| Housing retention | ≥ 110 N |
| Mating cycles | ≥ 50 |

Environmental

| | |
|-----------------------|--------------|
| Operating temperature | -40 / +110°C |
| RoHS compliant | |

Component weight 2.12 g

Codings To obtain the complete part number, please fill in the blank “_” with the coding letter



A
Black
9005



B
Crème White
9001



C
Blue
5005



D
Bordeaux
4004



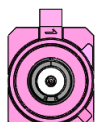
E
Green
6002



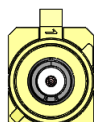
F
Brown
8011



G
Grey
7031



H
Violet
4003



I
Beige
1001



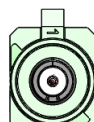
K
Curry
1027



L
Carmin
3002



M
Pastel Orange
2003



N
Pastel Green
6019



Z
Water blue
5021

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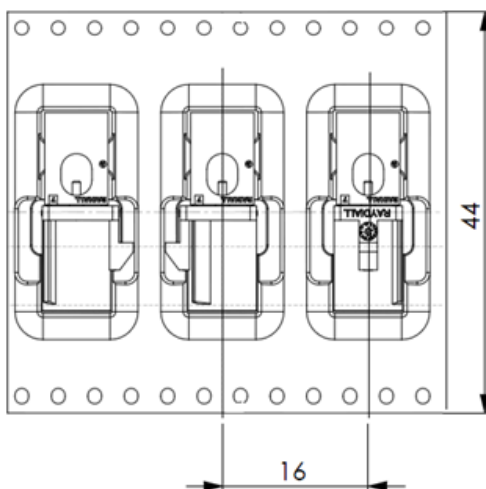
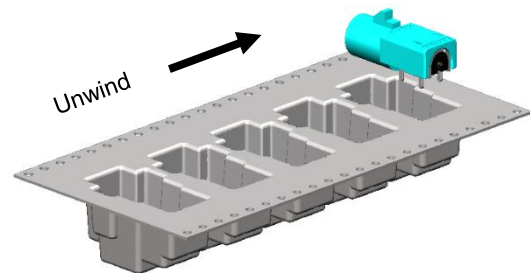
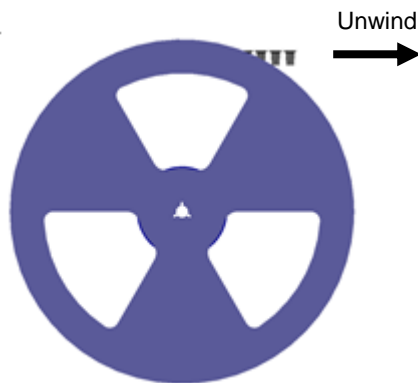
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TECHNICAL DATA SHEET

Packaging 2 plastic reels inside 1 cardboard box

Primary packaging: plastic reel

- Dimensions : Ø 330 x 48mm
- Number of connectors per reel: 350
- Carrier tape description:
 - 44mm width, 16mm pitch.
 - Material: thermoplastic static dissipative. Cover tape material: Thermoplastic antistatic



(Picture is not contractual)

Secondary packaging: Cardboard box

- Outside dimensions: 380x380x130 mm
- Number of reels per cardboard box: 2
- Number of connectors per cardboard box: 700
- Weight: 2.3 kg



(Picture is not contractual)

Third Packaging: Pallet

- PALLET Europe 1200 x 800mm
- Height: < 1100 mm
- 42 cardbox by pallet
- 29400 receptacles by complete pallet

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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°C / +40°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 ($\epsilon_r = 4.6$).
- 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.

