



FAKRA Jack Connector Crimp/Solder Attachment
for RG174, RG316, RG188, .100 inch, PE-B100,
PE-C100, LMR-100, Water Blue Color

RF Connectors Technical Data Sheet

PE44646Z

Configuration

- FAKRA Jack Connector
- 50 Ohms
- Straight Body Geometry
- RG174, RG316, RG188, .100 inch, PE-B100, PE-C100, LMR-100 Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 4 GHz
- Good VSWR of 1.3:1
- Gold Plated Phosphor Bronze Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44646Z FAKRA jack connector with crimp/solder attachment for RG174, RG316, RG188, .100 inch, PE-B100, PE-C100 and LMR-100 is part of our full line of RF components available for same-day shipping. Our FAKRA jack connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.3:1.

Our FAKRA jack connector PE44646Z datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|---------|---------|-------|
| Frequency Range | DC | | 4 | GHz |
| VSWR | | | 1.3:1 | |
| Operating Voltage (AC) | | | 335 | Vrms |
| Dielectric Withstanding Voltage (AC) | | | 1,000 | Vrms |
| Inner Conductor DC Resistance | | | 6 | mOhms |
| Outer Conductor DC Resistance | | | 2.5 | mOhms |
| Insulation Resistance | 1,000 | | | MOhms |

Mechanical Specifications

| | |
|-------------|--------------------|
| Size | |
| Length | 0.038 in [0.97 mm] |
| Width/Dia. | 0.37 in [9.40 mm] |
| Height | 0.54 in [13.72 mm] |
| Weight | 0.008 lbs [3.63 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [FAKRA Jack Connector Crimp/Solder Attachment for RG174, RG316, RG188, .100 inch, PE-B100, PE-C100, LMR-100, Water Blue Color PE44646Z](#)



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Material Specifications

| Description | Material | Plating |
|-----------------|-----------------|---------|
| Contact | Phosphor Bronze | Gold |
| Insulation | PTFE | |
| Outer Conductor | Brass | Nickel |
| Body | Plastic | |

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

FAKRA Jack Connector Crimp/Solder Attachment for RG174, RG316, RG188, .100 inch, PE-B100, PE-C100, LMR-100, Water Blue Color from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

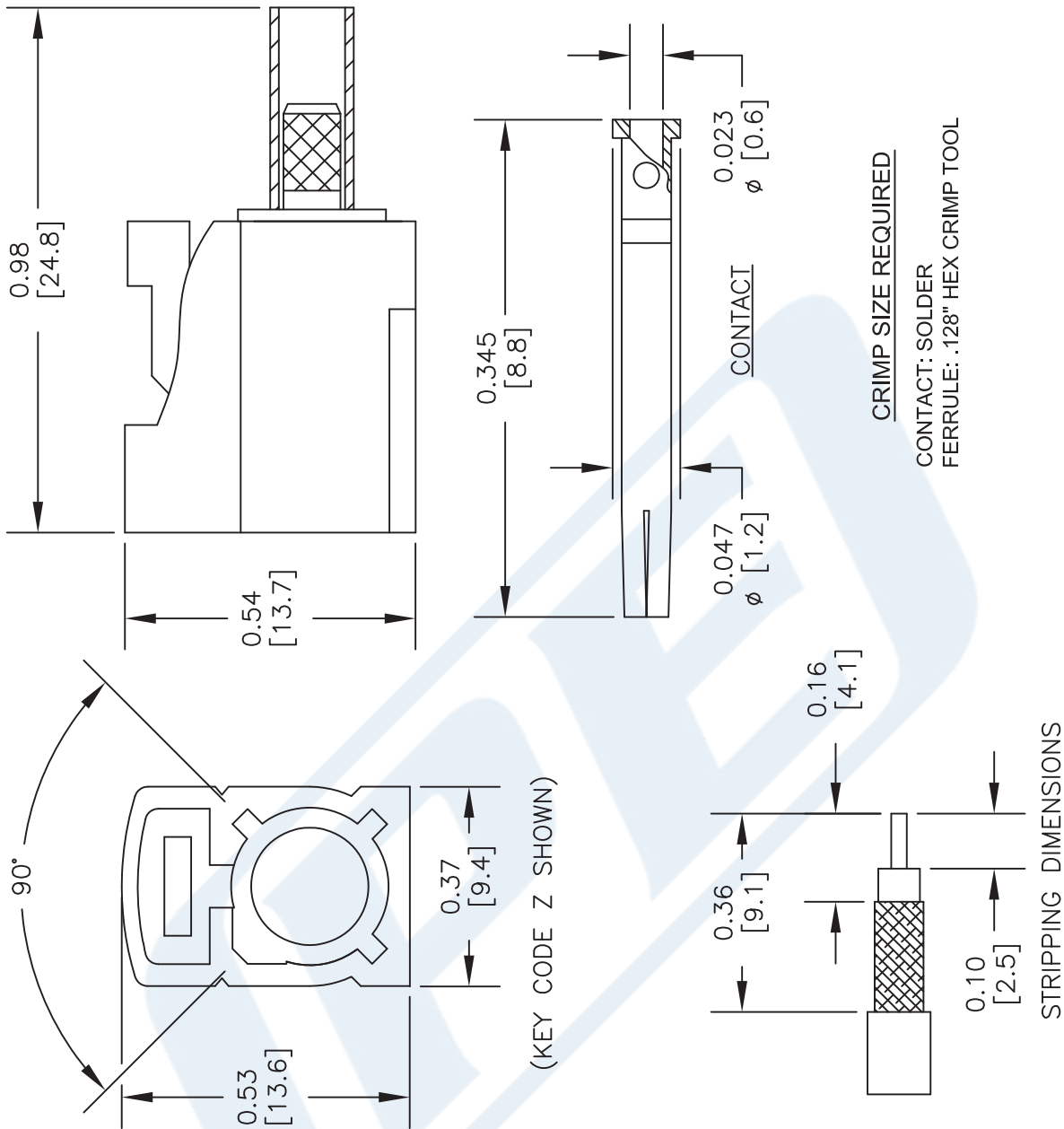
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URL: <https://www.pasternack.com/fakra-jack-standard-pe-c100-rg174-rg316-connector-pe44646z-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE44646Z CAD Drawing

FAKRA Jack Connector Crimp/Solder Attachment for RG174, RG316, RG188, .100 inch, PE-B100, PE-C100, LMR-100, Water Blue Color



NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE
PE44646/Y

CAGE CODE 53919

2233

SIZE A

SCALE N/A

CAD FILE 041017

Part Configurator

1. Replace Y with code.

| CODING | JACK | COLOR | APPLICATION |
|--------|------|------------|--|
| A | | BLACK | RADIO WITH PHANTOM SUPPLY |
| B | | WHITE | RADIO WITHOUT PHANTOM SUPPLY |
| C | | BLUE | GPS: TELEMATICS OR NAVIGATION |
| D | | BORDEAUX | GSM: CELLULAR PHONE |
| H | | VIOLET | GPS: TELEMATICS AND NAVIGATION |
| I | | BEIGE | BLUETOOTH |
| K | | CURRY | RADIO WITH IF OUTPUT (ANTENNA DIVERSITY) |
| Z | | WATER BLUE | NEUTRAL CODING |

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