

2.92mm Male Space Connector Clamp/ Solder Attachment for PE-R135LL

PE5143



Configuration

- 2.92mm Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-R135LL
- Space Design

Features

- Max. Operating Frequency 40 GHz
- Excellent VSWR of 1.25:1
- Gold Plated Brass Contact
- 30 µin min per ASTM-B-488 over 50 µin min Nickel per AMS-QQ-N-290 contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies
- Low Earth Orbit (LEO)
- Space Applications (Exploration, Launches, Maintenance, Stations)
- Ground Systems
- Satellites
- Launch Vehicles
- Rover Vehicles

Description

Pasternack's PE5143 2.92mm male space connector with clamp/solder attachment for PE-R135LL is part of our full line of RF components available for same-day shipping. Our 2.92mm male connector operates up to a maximum frequency of 40 GHz and offers excellent VSWR of 1.25:1. This PE5143 2.92mm male connector is designed for space applications including low earth orbit, space launches, space maintenance, satellites, and many more. This connector comes with a brass contact material and a body material of passivated stainless steel. The 2.92mm male connector designed for space has a gold plated contact and operates between -65 deg C to +165 deg C.

Our 2.92mm male connector PE5143 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		40	GHz
VSWR			1.25:1	
Impedance		50		Ohms

Mechanical Specifications

Size

Length	1.52 in [38.61 mm]
Width	0.437 in [11.1 mm]
Height	0.437 in [11.1 mm]
Weight	0.019 lbs [8.62 g]
Mating Cycles	500 Cycles

2.92mm Male Space Connector Clamp/ Solder Attachment for PE-R135LL

PE5143



Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin min per ASTM-B-488 over 50 µin min Nickel per AMS-QQ-N-290
Insulation	PTFE	
Body	Stainless Steel	Passivated AMS-2700
Retaining Ring	Beryllium Copper	
Gasket	Silicone Rubber	
Crimp Sleeve	Brass	Gold
O-Ring	Silicone Rubber	

Mechanical Specification Notes:
Interface in accordance with MIL-STD-348

Environmental Specifications

Temperature
Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

2.92mm Male Space Connector Clamp/Solder Attachment for PE-R135LL 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male Space Connector Clamp/Solder Attachment for PE-R135LL PE5143](#)

URL: <https://www.pasternack.com/2.92mm-male-pe-r135ll-connector-pe5143.html>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE5143 CAD Drawing
2.92mm Male Space Connector Clamp/Solder Attachment for PE-R135LL

