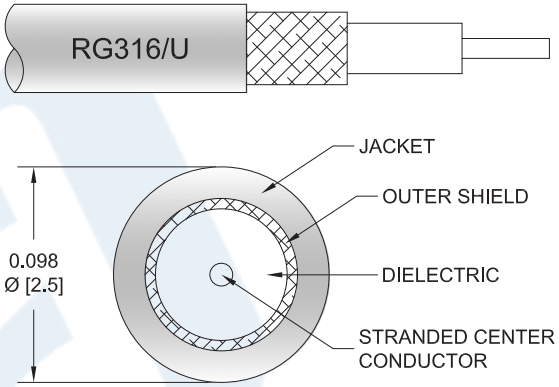
PASTERNACK
an INFINITE brand

MMCX Plug Right Angle to SMA Male Cable Using RG316 Coax with HeatShrink, LF Solder

RF Cable Assemblies Technical Data Sheet PE3W03664LF/HS

Configuration

- Connector 1: MMCX Plug Right Angle
- Connector 2: SMA Male
- Cable Type: RG316



Features

- Max Frequency 3 GHz
- 69% Phase Velocity
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W03664LF/HS MMCX plug right angle to SMA male cable using RG316 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack MMCX to SMA cable assembly has a plug to male gender configuration with 50 ohm flexible RG316 coax. The PE3W03664LF/HS MMCX plug to SMA male cable assembly operates to 3 GHz. The right angle MMCX interface on the RG316 cable allows for easier connections in tight spaces.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: MMCX Plug Right Angle to SMA Male Cable Using RG316 Coax with HeatShrink, LF Solder PE3W03664LF/HS

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Velocity of Propagation		69		%
Jacket Spark			2,000	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.11	0.16	0.238	0.38	0.53	dB/ft
	0.36	0.52	0.78	1.25	1.74	dB/m

Electrical Specification Notes:
Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the male connector and 0.2 dB for the plug connector.

Mechanical Specifications

Cable Assembly

Weight	0.028 lbs [12.7 g]

Cable

Cable Type	RG316
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.102 in [2.59 mm]

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Connectors

Description	Connector 1	Connector 2
Type	MMCX Plug Right Angle	SMA Male
Specification	BS EN 122340	
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold	Brass, Gold
Body Plating Specification	3 µin minimum	
Coupling Nut Material and Plating		Brass, Gold
Hex Size		5/16 in
Torque		5 in-lbs [0.57 Nm]

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration: **PE3W03664LF/HS - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3W03664LF/HS — Base Number

Example: PE3W03664LF/HS-12 = 12 inches long cable
PE3W03664LF/HS-100cm = 100 cm long cable

MMCX Plug Right Angle to SMA Male Cable Using RG316 Coax with HeatShrink, LF Solder 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/mmcx-plug-right-angle-to-sma-male-cable-using-rg316-with-heatshrink-lf-solder-pe3w03664lf-hs-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.

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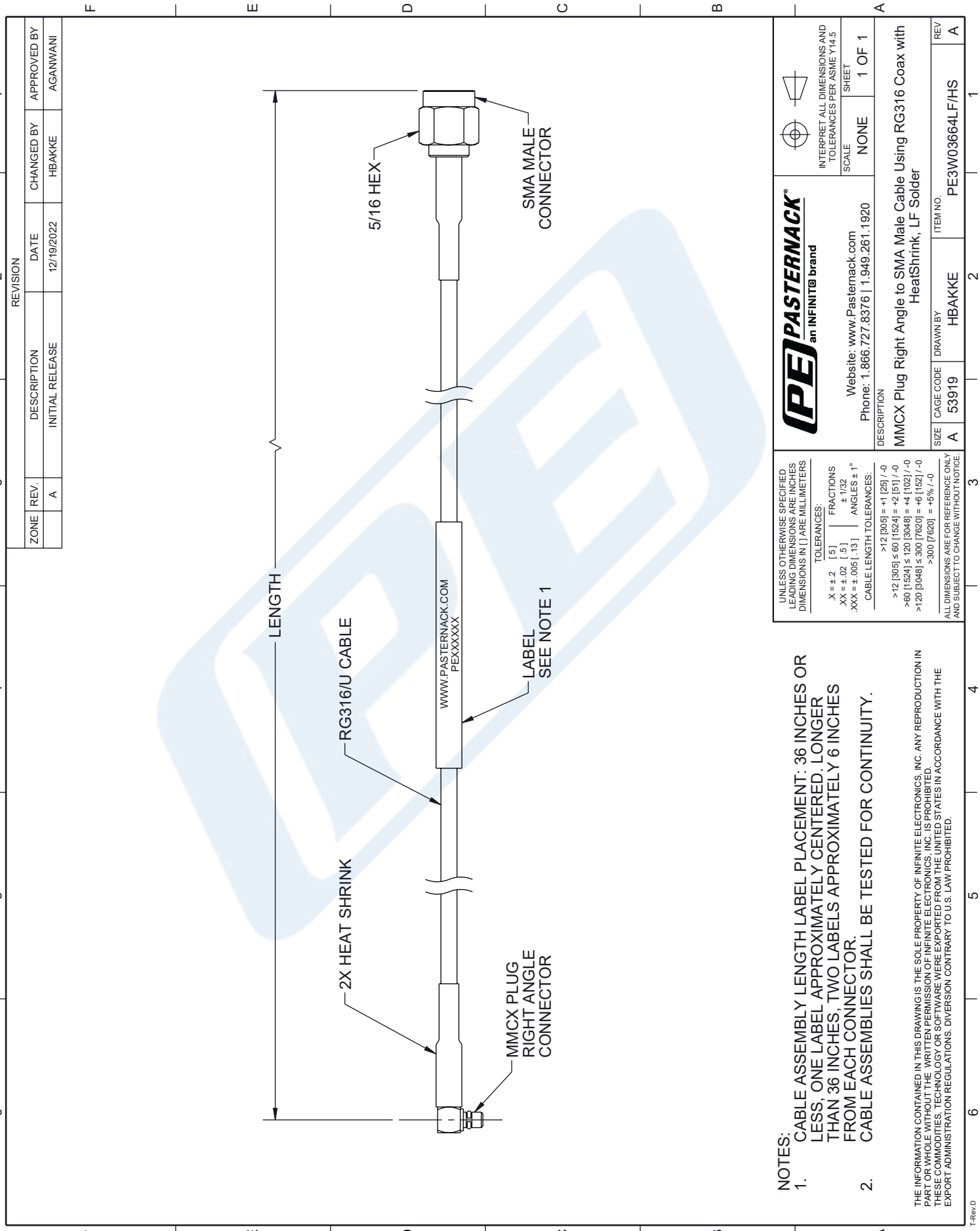
PE3W03664LF/HS CAD Drawing

MMCX Plug Right Angle to SMA Male Cable Using
RG316 Coax with HeatShrink, LF Solder



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