



TNC Female Bulkhead to SSMC Plug Cable Using RG188 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3W10614LF

Configuration

- Connector 1: TNC Female Bulkhead
- Connector 2: SSMC Plug
- Cable Type: RG188

Features

- Max Frequency 400 MHz
- PTFE Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W10614LF TNC female bulkhead to SSMC plug cable using RG188 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 TNC to SSMC cable assembly has a female to plug gender configuration with 50 ohm flexible RG188 coax. The PE3W10614LF TNC female to SSMC plug cable assembly operates to 400 MHz. Our RF cable assembly with TNC bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		400	MHz
VSWR			1.4:1	

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	400					MHz
Insertion Loss (Typ.)	0.2					dB/ft
	0.66					dB/m

Electrical Specification Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Female Bulkhead to SSMC Plug Cable Using RG188 Coax , LF Solder PE3W10614LF](#)



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Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the straight connector.

Mechanical Specifications

Cable Assembly

Weight 0.057 lbs [25.85 g]

Cable

Cable Type RG188
 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 PTFE, White
 Jacket Diameter 0.11 in [2.79 mm]

Connectors

Description	Connector 1	Connector 2
Type	TNC Female Bulkhead	SSMC Plug
Specification	MIL-STD-348	
Impedance	50 Ohms	50 Ohms
Mating Cycles		500
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	30 µin minimum	MIL-G-45204
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Nickel	Beryllium Copper, Gold
Body Plating Specification		MIL-G-45204
Coupling Nut Material and Plating		Beryllium Copper, Gold
Coupling Nut Plating Specification		MIL-G-45206
Torque		1.75 in-lbs [0.2 Nm]

Environmental Specifications

Temperature

Operating Range -55 to +165 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

PE3W10614LF - xx uu

Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE3W10614LF-12 = 12 inches long cable
PE3W10614LF-100cm = 100 cm long cable

TNC Female Bulkhead to SSMC Plug Cable Using RG188 Coax , 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.

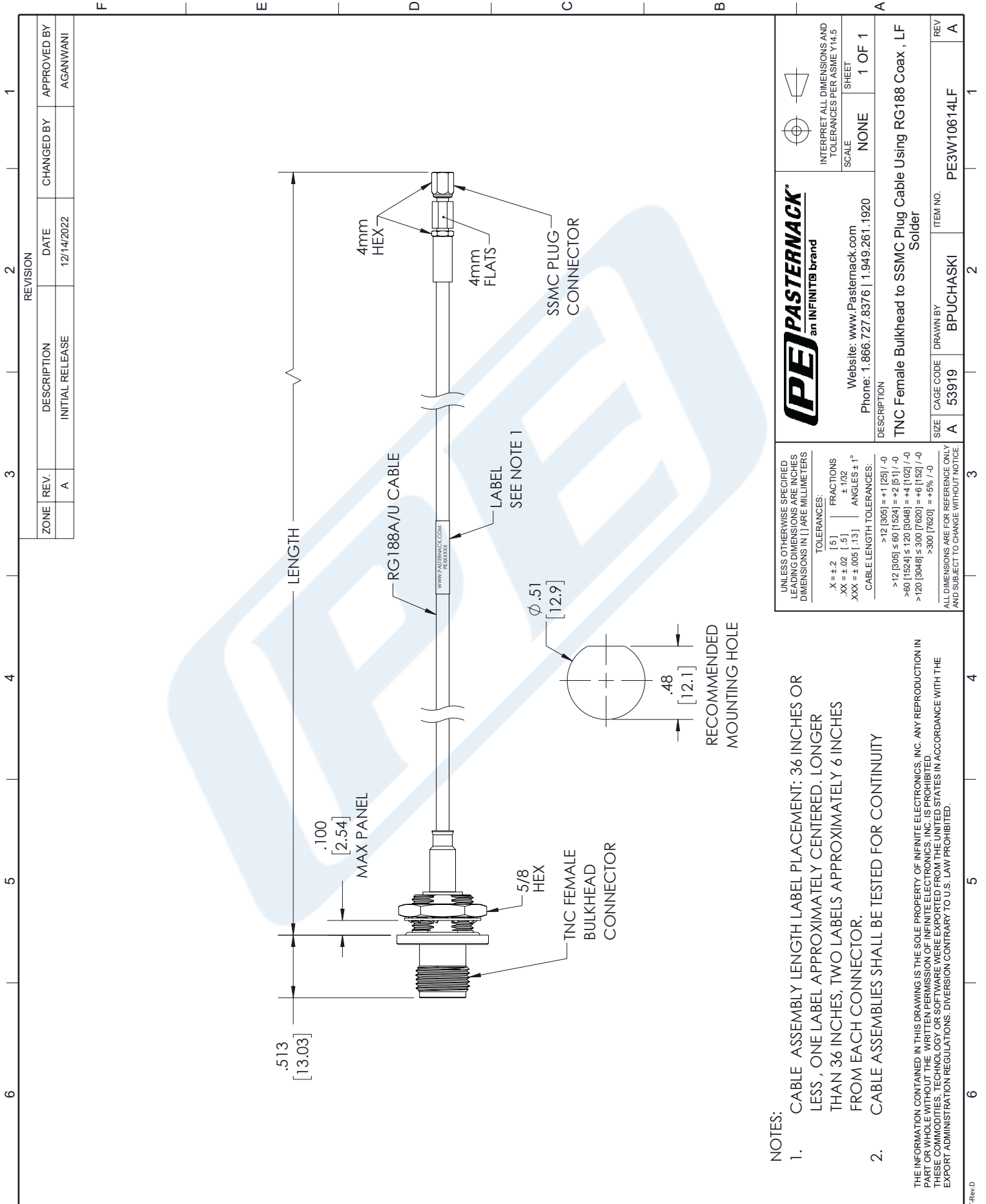
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Female Bulkhead to SSMC Plug Cable Using RG188 Coax , LF Solder PE3W10614LF](#)

URL: <https://www.pasternack.com/tnc-female-bulkhead-to-ssmc-plug-cable-using-rg188-lf-solder-pe3w10614lf-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.

PE3W10614LF CAD Drawing

TNC Female Bulkhead to SSMC Plug Cable Using RG188 Coax , LF Solder



NOTES:

- CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS , ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
 - CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY
- THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	
.X = ±.2 [5]	FRACTIONS ± 1/32
.XX = ±.02 [.5]	ANGLES ± 1°
.XXX = ±.005 [.13]	
CABLE LENGTH TOLERANCES:	
>12 [305]	±.1 [25]
>60 [1524]	±.2 [5]
>120 [3048]	±.4 [102]
>300 [7620]	±.8 [203]
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.	

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE SHEET: 1 OF 1

DESCRIPTION: TNC Female Bulkhead to SSMC Plug Cable Using RG188 Coax , LF Solder

SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	BPUCHASKI	PE3W10614LF

ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
	A	INITIAL RELEASE	12/14/2022		AGANWANI