



TNC Female Bulkhead to SMA Male Right Angle Cable Using RG188 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE34345/HS

Configuration

- Connector 1: TNC Female Bulkhead
- Connector 2: SMA Male Right Angle
- Cable Type: RG188
- Coax Flex Type: Flexible

Features

- Max Frequency 1 GHz
- PTFE Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE34345/HS TNC female bulkhead to SMA male right angle 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 SMA cable assembly has a female to male gender configuration with 50 ohm flexible RG188 coax. The PE34345/HS TNC female to SMA male cable assembly operates to 1 GHz. The right angle SMA interface on the RG188 cable allows for easier connections in tight spaces. 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.

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 SMA Male Right Angle Cable Using RG188 Coax with HeatShrink PE34345/HS](#)



TNC Female Bulkhead to SMA Male Right Angle
Cable Using RG188 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE34345/HS

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
VSWR			1.5:1	
Operating Voltage (AC)			2,000	Vrms

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:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.05xSQRT(fGHz) dB for the right angle connector and 0.1 dB for the straight connector.

Mechanical Specifications

Cable Assembly

Weight 0.072 lbs [32.66 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]

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 SMA Male Right Angle Cable Using RG188 Coax with HeatShrink PE34345/HS](#)



TNC Female Bulkhead to SMA Male Right Angle
Cable Using RG188 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE34345/HS

Connectors

Description	Connector 1	Connector 2
Type	TNC Female Bulkhead Threaded	SMA Male Right Angle Threaded
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	50 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100 µin minimum
Hex Size		5/16 inch
Torque		3 in-lbs [0.34 Nm]

Environmental Specifications

Temperature

Operating Range -55 to +165 deg C

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

Plotted and Other Data

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 SMA Male Right Angle Cable Using RG188 Coax with HeatShrink PE34345/HS](#)



TNC Female Bulkhead to SMA Male Right Angle Cable Using RG188 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE34345/HS

How to Order

Part Number Configuration:

PE34345/HS - xx uu

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

Example: PE34345/HS-12 = 12 inches long cable
PE34345/HS-100cm = 100 cm long cable

TNC Female Bulkhead to SMA Male Right Angle Cable Using RG188 Coax with HeatShrink 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.

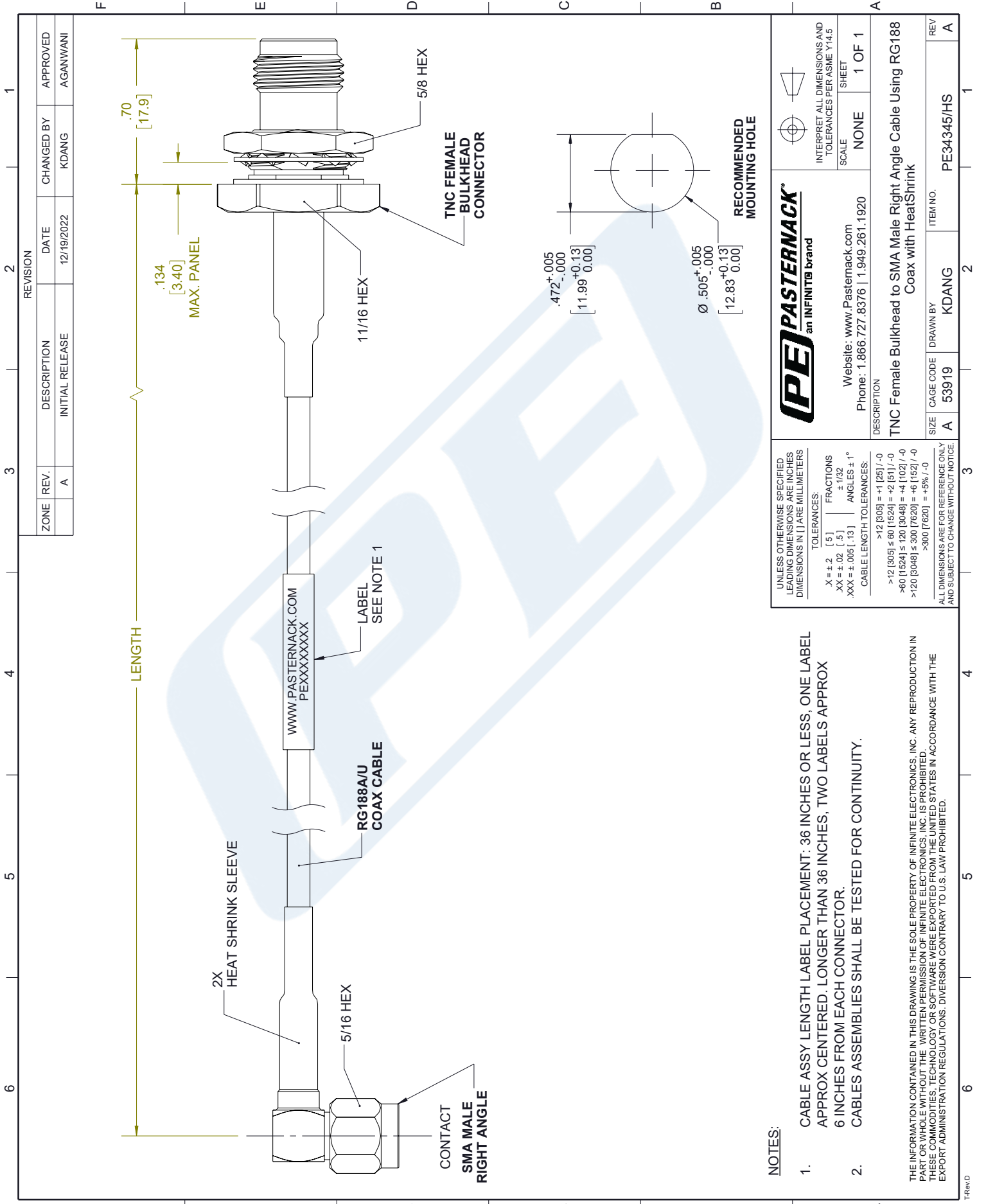
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Female Bulkhead to SMA Male Right Angle Cable Using RG188 Coax with HeatShrink PE34345/HS](https://www.pasternack.com/tnc-female-bulkhead-to-sma-male-right-angle-cable-using-rg188-coax-with-heatshrink-pe34345/hs)

URL: <https://www.pasternack.com/tnc-female-bulkhead-to-sma-male-cable-using-rg188-with-heatshrink-pe34345-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.

PE34345/HS CAD Drawing

TNC Female Bulkhead to SMA Male Right Angle Cable Using RG188 Coax with HeatShrink



NOTES:

1. CABLE ASSY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROX 6 INCHES FROM EACH CONNECTOR.
2. CABLES 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:	FRACTIONS
X = ± .2 [.5]	± 1/32
.XX = ± .02 [.5]	ANGLES ± 1°
.XXX = ± .005 [.13]	CABLE LENGTH TOLERANCES:
	>12 [305] = +1 [25] / -0
	>12 [305] ≤ 60 [1524] = +2 [51] / -0
	>60 [1524] ≤ 120 [3048] = +4 [102] / -0
	>120 [3048] ≤ 300 [7620] = +6 [152] / -0
	>300 [7620] = +5% / -0
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE	

PE PASTERNAK an INFINITB brand	
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920	
INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	SHEET 1 OF 1
SCALE NONE	DESCRIPTION TNC Female Bulkhead to SMA Male Right Angle Cable Using RG188 Coax with HeatShrink
SIZE A	CAGE CODE A 53919
DRAWN BY KDANG	ITEM NO. PE34345/HS
REV A	