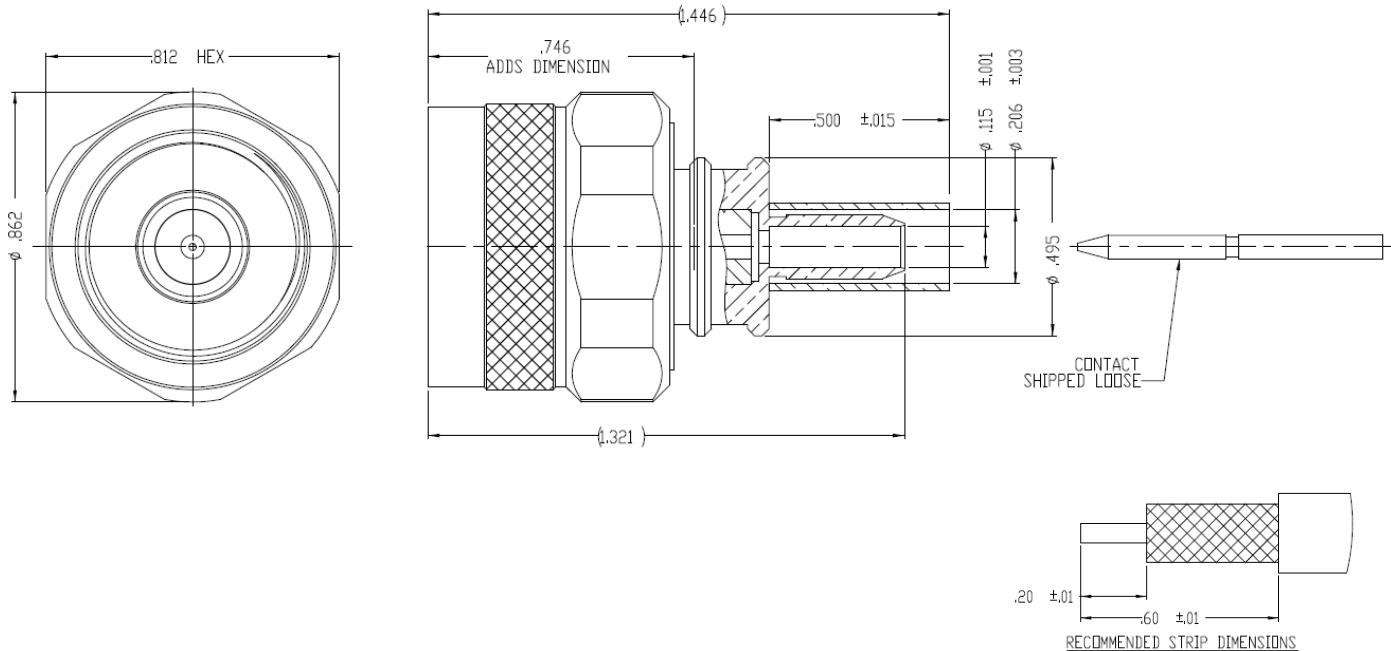


NOTICE OF PROPRIETARY RIGHTS THIS DOCUMENT CONTAINS CONFIDENTIAL TECHNICAL DATA, INCLUDING TRADE SECRETS, PROPRIETARY TO TIMES MICROWAVE SYSTEMS. DISCLOSURE OF THIS DATA IS EXPRESSLY CONDITIONED UPON YOUR ASSENT THAT ITS USE IS LIMITED TO USE WITHIN YOUR COMPANY ONLY. ANY OTHER USE IS STRICTLY PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT OF TIMES MICROWAVE SYSTEMS.

SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	N.N.N	1/15/14	J.D.B.	1/15/14



NOTES:

1. ASSEMBLED CONNECTOR INTERFACE IS DESIGNED IN ACCORDANCE WITH MIL-STD-348.

2. MATERIAL:

BODY, CONTACT - BRASS PER ASTM B16, C36000 ALLOY, TEMPER H02
 INSULATOR - TEFLON PER ASTM D1710, TYPE 1, GRADE 1, CLASS A
 SHRINK SLEEVE - HEAT SHRINKABLE ATUM PER MIL-I-23053/4 (NOT SHOWN)
 CRIMP SLEEVE - D.H.P. COPPER CDA, ALLOY #122, TEMPER HARD
 GASKET - SILICONE RUBBER PER A-A-59588, 50-75 DUROMETER
 LOCKING RING - PHOSPHOR BRONZE PER ASTM B139, C54400 ALLOY, TEMPER HD

3. FINISH:

CONTACT - GOLD PLATE PER ASTM B488
 CRIMP SLEEVE - SILVER PLATE PER ASTM B700
 ALL OTHER METAL PARTS - ALBALOY PLATE

MATERIAL:	UNLESS OTHERWISE SPECIFIED		DFTM:	N. N. N	TIME MICROWAVE SYSTEMS
	ALL DIMENSIONS ARE IN INCHES	MACHINED SURFACES FINISH 63 RMS MAX.	DATE	1/15/14	
USED ON:	REMOVE ALL BURRS .004 MAX. BREAK MACHINE CORNERS .005 MAX. FILLET R. TOLERANCES ON DECIMALS .XX ± .01 .XXX ± .005 ANGLES ± 1° FRACTIONS ± 1/64		CHKD:	J. D. B.	TC-195-NMH-X
			DATE	1/15/14	CONNECTOR ASSEMBLY
SCALE: NONE	DWG SIZE A	DO NOT SCALE DRAWING	CODE IDENT	68999	APPD: J. D. B. DATE 1/15/14
			SH. 1 of 1	SD3190-2880	REV A



N Female Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch

RF Connectors Technical Data Sheet

PE44532

Configuration

- N Female Connector
- 50 Ohms
- Straight Body Geometry
- PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 11 GHz
- Gold Plated Phosphor Bronze Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44532 type N female connector with crimp/solder attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195 and 0.195 inch is part of our full line of RF components available for same-day shipping. Our type N female connector operates up to a maximum frequency of 11 GHz.

Our type N female connector PE44532 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		11	GHz

Mechanical Specifications

Size	
Length	1.45 in [36.83 mm]
Width/Dia.	0.67 in [17.02 mm]
Weight	0.11 lbs [49.9 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch PE44532](#)



N Female Connector Crimp/Solder Attachment for PE-C195,
 PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch

RF Connectors Technical Data Sheet

PE44532

Material Specifications

Description	Material	Plating
Contact	Phosphor Bronze	Gold
Insulation	PTFE	
Body	Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

N Female Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% 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: [N Female Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch PE44532](#)

URL: <https://www.pasternack.com/n-female-standard-pe-c195-0.195-connector-pe44532-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.

PE44532 CAD Drawing

N Female Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch

	<table border="1"><tr><td colspan="4">NOTES:</td></tr><tr><td colspan="4">1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.</td></tr><tr><td colspan="4">2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.</td></tr><tr><td colspan="4">3. DIMENSIONS ARE IN INCHES [mm].</td></tr><tr><td colspan="4">4. FITS MIL-C-17 AND EQUIVALENT CABLES.</td></tr><tr><td colspan="2">DWG TITLE PE44532</td><td colspan="2">SCALE N/A</td></tr><tr><td colspan="2">FSCM NO. 53919</td><td>CAD FILE 032213-B</td><td>SIZE A 2233</td></tr><tr><td colspan="2">CONTACT: SOLDER FERRULE: .213" HEX CRIMP TOOL</td><td colspan="2">Phone: (949) 261-1920 Fax: (949) 261-7451 Website: www.pasternack.com E-Mail: sales@pasternack.com</td></tr></table>	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].				4. FITS MIL-C-17 AND EQUIVALENT CABLES.				DWG TITLE PE44532		SCALE N/A		FSCM NO. 53919		CAD FILE 032213-B	SIZE A 2233	CONTACT: SOLDER FERRULE: .213" HEX CRIMP TOOL		Phone: (949) 261-1920 Fax: (949) 261-7451 Website: www.pasternack.com E-Mail: sales@pasternack.com	
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Low Loss Flexible RG142 Type Coax Cable Triple Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET

PE-P195

Low Loss Flexible RG142 Type Coax Cable Triple Shielded with Tan FEP Jacket

Configuration

Cable Design	Low Loss
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Silver Plated Copper, Aluminum Tape
Jacket Material and Color	FEP, Tan

Electrical Specifications

Impedance, Ohms	50
Capacitance, pF/ft [pF/m]	29 [95.14]
Jacket Spark, Vrms	2,000

Electrical Specifications by Frequency

Frequency 1	500
Frequency, MHz	9 [29.53]
Attenuation, dB/100ft [dB/100m]	
Frequency 2	1000
Frequency, MHz	12.5 [41.01]
Attenuation, dB/100ft [dB/100m]	
Frequency 3	3
Frequency, GHz	23.3 [76.44]
Attenuation, dB/100ft [dB/100m]	
Frequency 4	5
Frequency, GHz	31 [101.71]
Attenuation, dB/100ft [dB/100m]	

Mechanical Specifications

Inner Conductor	
Number of Strands	1
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.037 [0.94]
Dielectric:	
Type	PTFE
Diameter, in [mm]	0.11 [2.79]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible RG142 Type Coax Cable Triple Shielded with Tan FEP Jacket PE-P195](#)

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.



Low Loss Flexible RG142 Type Coax Cable Triple Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET

PE-P195

Shield:

Number of	3
Material 1	Silver Plated Copper
Material 2	Aluminum Tape
Material 3	Silver Plated Copper Braid
Diameter, in [mm]	0.155 [3.94]

Jacket:

Material	FEP
Diameter, in [mm]	0.195 [4.95]
Color	Tan
Weight, lbs/ft [Kg/m]	0.002 [0]

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant Yes

Plotted and Other Data

Notes: Values at 25 °C, sea level

Low Loss Flexible RG142 Type Coax Cable Triple Shielded with Tan FEP Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

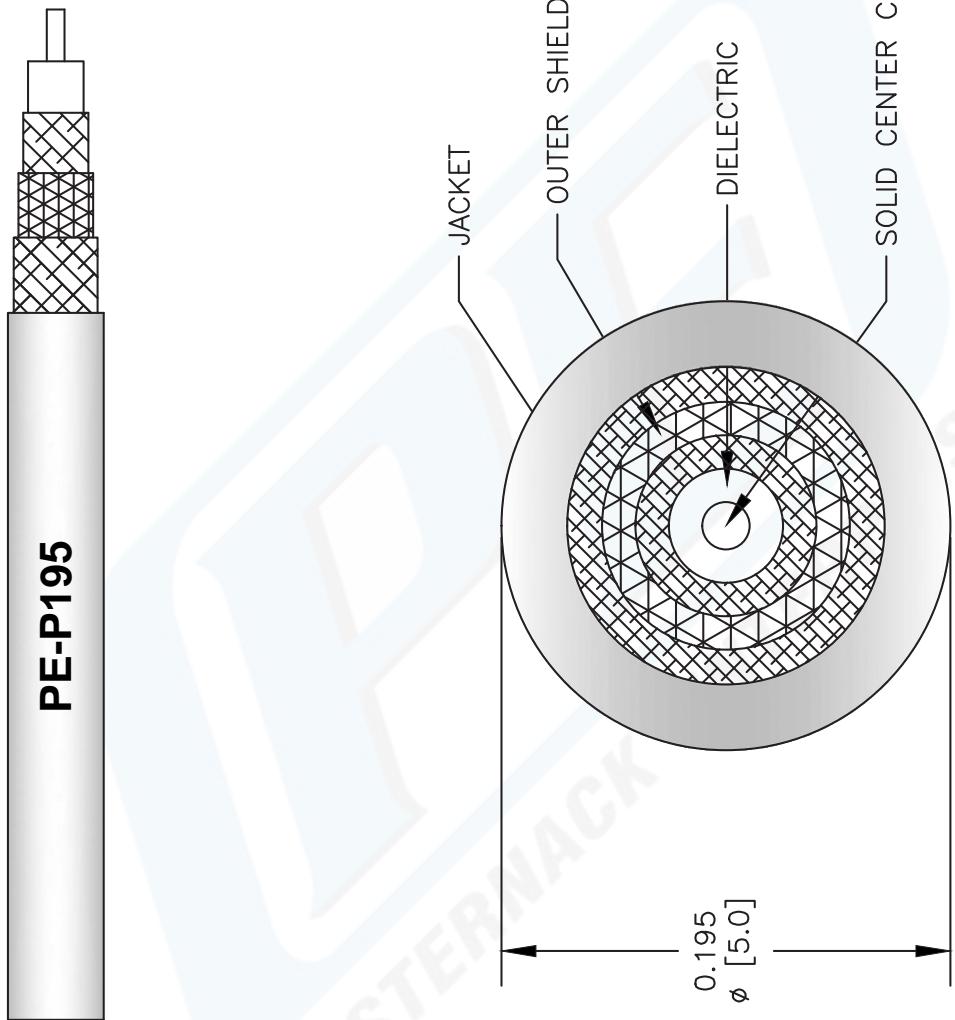
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible RG142 Type Coax Cable Triple Shielded with Tan FEP Jacket PE-P195](http://www.pasternack.com/precision-0.195-rg142-solid-center-conductor-52-ohm-coax-cable-fep-jacket-pe-p195-p.aspx)

URL: <http://www.pasternack.com/precision-0.195-rg142-solid-center-conductor-52-ohm-coax-cable-fep-jacket-pe-p195-p.aspx>

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PE-P195 CAD Drawing

Low Loss Flexible RG142 Type Coax Cable Triple Shielded with Tan FEP Jacket



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
PE-P195

REV. D

FSCM NO. 53919

CAD FILE 081512-D

SCALE N/A

SIZE A

2233

PE PASTERNACK®

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