



N Male Connector Crimp/Non-Solder Contact Attachment for LMR-195, PE-C195, LMR-200, PE-C200

RF Connectors Technical Data Sheet



EZ-195-NMH-X

Times Microwave Systems Connector Specification

Configuration

- N Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: LMR-195, PE-C195, LMR-200, PE-C200

Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.3:1
- Gold Plated Beryllium Copper Contact
- 50 µin Thickness contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's EZ-195-NMH-X type N, N, Standard, Connector is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.3:1.

Our type N male connector EZ-195-NMH-X 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		6	GHz
VSWR			1.3:1	
Insertion Loss			0.25	dB
Impedance		50		Ohms
Dielectric Withstanding Voltage (DC)			1,000	Vdc
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length	1.27 in [32.26 mm]
Width	0.81 in [20.62 mm]
Height	0.81 in [20.62 mm]
Weight	0.08 lbs [35.83 g]
Mating Cycles	500 Cycles

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Non-Solder Contact Attachment for LMR-195, PE-C195, LMR-200, PE-C200 EZ-195-NMH-X](#)



N Male Connector Crimp/Non-Solder Contact Attachment for LMR-195, PE-C195, LMR-200, PE-C200

RF Connectors Technical Data Sheet

**EZ-195-NMH-X**

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 50 µin Thickness
Insulation	PTFE	
Outer Conductor	Brass	Tri-Metal 80 µin Thickness
Body	Brass	Tri-Metal 80 µin Thickness
Coupling Nut	Brass	Tri-Metal 80 µin Thickness

Environmental Specifications

Temperature

Operating Range

-40 to +125 deg C

Shock

MIL-STD 202G, Meth. 213, Cond. I

Vibration

MIL-STD 202G, Meth. 204, Cond.B

Thermal Shock

MIL-STD 202G, Meth. 107, Cond.B

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

Plotted and Other Data

Notes:

N Male Connector Crimp/Non-Solder Contact Attachment for LMR-195, PE-C195, LMR-200, PE-C200 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.

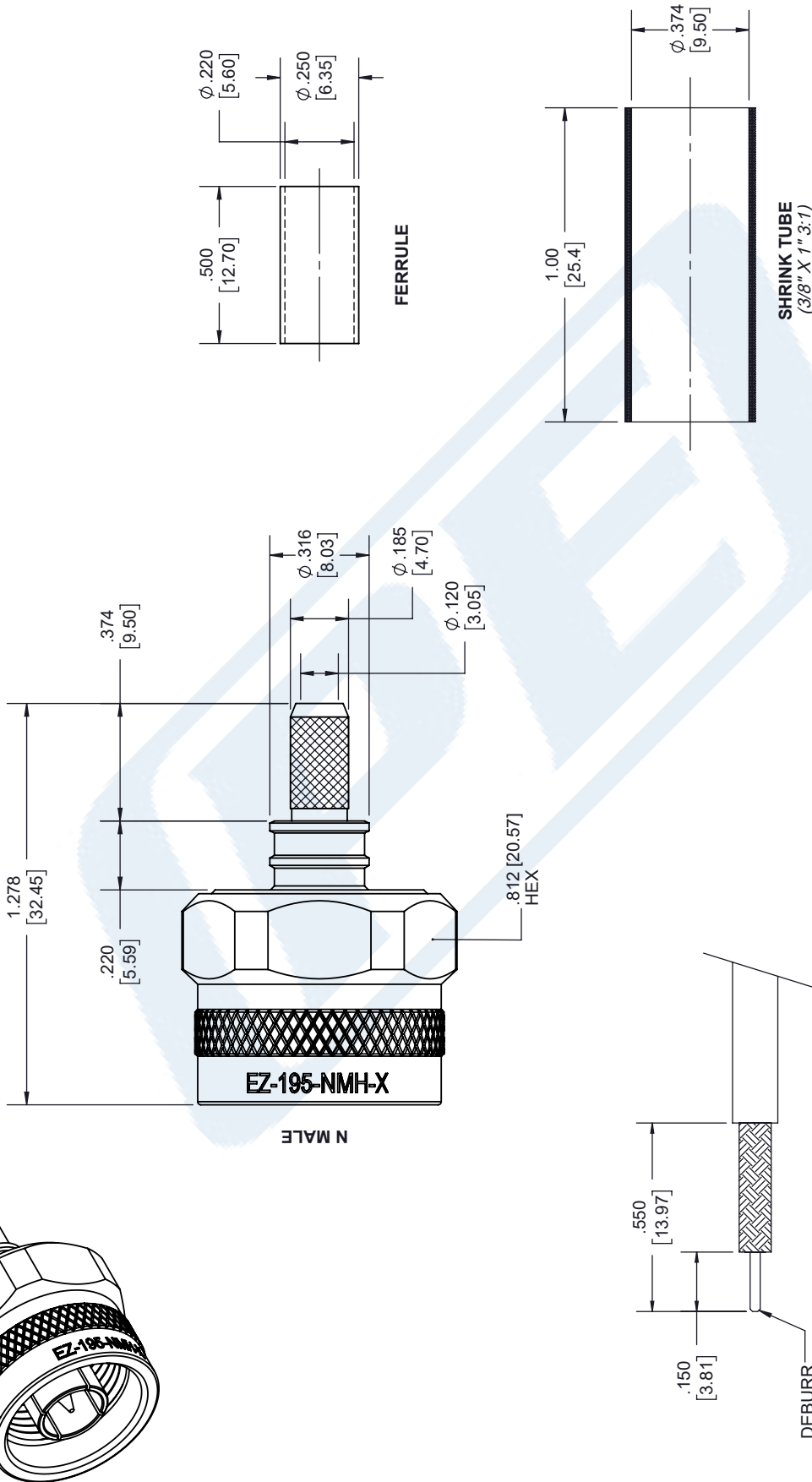
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Non-Solder Contact Attachment for LMR-195, PE-C195, LMR-200, PE-C200 EZ-195-NMH-X](#)

URL: <https://www.pasternack.com/n-male-lmr-195-pe-c195-connector-ez-195-nmh-x-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.

TIMES MICROWAVE SYSTEMS **EZ-195-NMH-X CAD Drawing**
N Male Connector Crimp/Non-Solder Contact Attachment
for LMR-195, PE-C195, LMR-200, PE-C200

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	6/16/2022	A. GANWANI



P E PASTERNAK an INFINITI brand Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 Website: www.pasternack.com E-mail: sales@pasternack.com		THIRD-ANGLE PROJECTION THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED. SHEET 1 OF 1 SCALE N/A	
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: X ± .2 [5.08] FRACTIONS XX ± .02 [1.51] ± .132 XXX ± .005 [1.3] ANGLES ± 1° CABLE LENGTH (L) TOLERANCES: L ≤ 12 [305] = +1[25] / -0 12 [305] < L ≤ 60 [1524] = +2[51] / -0 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 300 [7620] < L = +5%L / -0 ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	SIZE A CAGE CODE 53919 DRAWN BY K.DANG ITEM NO. EZ-195-NMH-X REV A	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.	

- NOTES:**
- CABLE ATTACHMENT:
 - OUTER: CRIMP.
 - INNER: SOLDER.
 - CRIMP SIZE REQUIRED:
 - FERRULE: .213 [5.41] HEX. CRIMP TOOL.
 - CONTACT: SOLDER.



SMA Male Connector Clamp/Solder Attachment
for RG55, RG58, RG141, RG142, RG223, RG303,
RG400, PE-C195, PE-P195, LMR-195

RF Connectors Technical Data Sheet

PE4027

Configuration

- SMA Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195
- 5/16 inch Hex

Features

- Max. Operating Frequency 12.4 GHz
- Gold Plated Brass Contact
- Contact plating according to MIL-G-45204

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4027 , SMA, Standard, Connector is part of our full line of RF components available for same-day shipping. Our SMA male connector operates up to a maximum frequency of 12.4 GHz.

Our SMA male connector PE4027 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		12.4	GHz
Operating Voltage (AC)			335	Vrms
Impedance		50		Ohms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length	0.80 in [20.32 mm]
Width	0.31 in [7.92 mm]
Weight	0.01 lbs [5.44 g]
Mating Torque	3 to 5 in-lbs [0.34 to 0.57 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195 PE4027](#)



SMA Male Connector Clamp/Solder Attachment
for RG55, RG58, RG141, RG142, RG223, RG303,
RG400, PE-C195, PE-P195, LMR-195

RF Connectors Technical Data Sheet

PE4027

Material Specifications

Description	Material	Plating
Contact	Brass	Gold MIL-G-45204
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel QQ-N-290

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

SMA Male Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195 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.

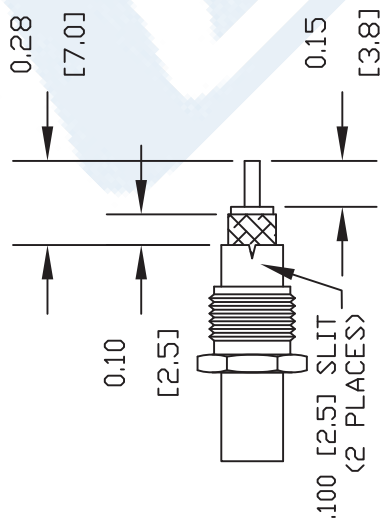
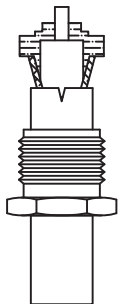
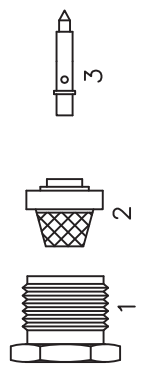
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195 PE4027](#)

URL: <https://www.pasternack.com/sma-male-standard-rg58-rg55-rg142-rg223-rg400-connector-pe4027-p.aspx>

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PE4027 CAD Drawing

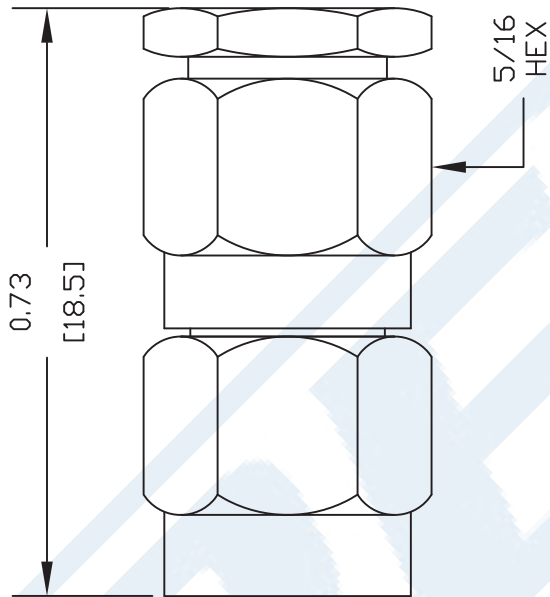
SMA Male Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1) OVER CABLE. STRIP CABLE AS SHOWN.
2. FLARE BRAID AND SLIDE CLAMP (2) OVER DIELECTRIC AND UNDER BRAID UNTIL THE CLAMP STOPS. TRIM EXCESS BRAID TO DIAMETER OF THE CLAMP (2).
3. SLIDE CONTACT OVER CENTER CONDUCTOR AND INTO CLAMP INSULATOR. SOLDER CONTACT ONTO CENTER CONDUCTOR.
4. INSERT ASSEMBLY INTO BODY AND TIGHTEN.



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DWG TITLE

PE4027

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.

REV. -

FSCM NO. 53919

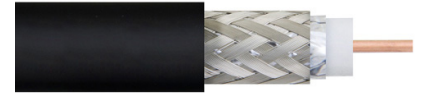
CAD FILE 030704

SCALE N/A

SIZE A

147

Low Loss Flexible LMR-195-FR Fire Rated Coax Cable Double Shielded with Black FRPE Jacket



LMR-195-FR



Times Microwave Systems Connector Specification

Configuration

- Low Loss, Fire Rated Flexible Cable
- 2 Shield(s)

Features

- Max Operating Frequency of 8 GHz
- Low Loss Cable
- Phase Velocity 76% VoP

Applications

- Laboratory Applications
- General Purpose RF Interconnect

Description

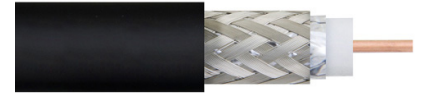
LMR-195-FR part number from Pasternack is a LMR-195-FR coax cable that is flexible. Pasternack LMR-195-FR flexible coax cable is 50 Ohm and has a PE dielectric. Our LMR-195-FR coax is constructed with a 0.195 jacket made of FRPE. LMR-195-FR coax has a shield count of 2, a RF shielding of 90 dB and the maximum frequency for this Pasternack cable is 8 GHz. LMR-195-FR coax cable has an attenuation at 1 GHz of 11.8 dB.

Pasternack LMR-195-FR coax cables are part of over 40,000 RF, microwave and millimeter wave components. LMR-195-FR cables and our other RF parts are available for same day shipping worldwide. Custom RF cable assemblies using LMR-195-FR or other coax can be built and shipped same day as well.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Impedance		50		Ohms
Velocity of Propagation		76		%
Time Delay		1.27 [4.17]		ns/ft [ns/m]
Shielding Effectiveness	90			dB
Dielectric Withstanding Voltage (DC)			1,000	Vdc
Jacket Spark			3,000	Vrms
Inner Conductor DC Resistance			7.6	Ohms/1000ft
Outer Conductor DC Resistance			4.9	Ohms/1000ft
Nominal Capacitance		25.4 [83.33]		pF/ft [pF/m]
Nominal Inductance		0.064 [0.21]		uH/ft [uH/m]
Input Power (Peak)			2.5	kWatts

Low Loss Flexible LMR-195-FR Fire Rated Rated Coax Cable Double Shielded with Black FRPE Jacket



LMR-195-FR

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	50	150	220	450	900	MHz
Attenuation, Typ	2.5	4.4	5.4	7.8	11.1	dB/100ft
	8.2	14.44	17.72	25.59	36.42	dB/100m
Input Power (CW), Max	680	390	320	220	160	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5	5.8	GHz
Attenuation, Typ	14.5	16	16.9	19	29.9	dB/100ft
	47.57	52.49	55.45	62.34	98.1	dB/100m
Input Power (CW), Max	120	110	100	90	60	Watts

Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.028 lbs/ft [0.04 kg/m]
Min. Bend Radius (Installation)	0.5 in [12.7 mm]
Min. Bend Radius (Repeated)	2 in [50.8 mm]
Bending Moment	0.2 lbs-ft [0.27 N-m]
Tensile Strength	40 lbs [18.14 kg]
Flat Plate Crush	15 lbs/in [0.27 kg/mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strand	0.037 in [0.94 mm]
Conductor Type	Solid	
Dielectric	PE	0.11 in [2.79 mm]
First Shield	Aluminum Tape	
Second Shield	Tinned Copper Braid	
Jacket	FRPE, Black	0.195 in [4.95 mm]

Environmental Specifications

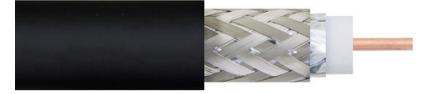
Temperature	
Operating Range	-40 to 85 deg C
Storage Range	-70 to 85 deg C

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

Plotted and Other Data

Notes:

Low Loss Flexible LMR-195-FR Fire Rated Rated Coax Cable Double Shielded with Black FRPE Jacket



LMR-195-FR

Low Loss Flexible LMR-195-FR Fire Rated Rated Coax Cable Double Shielded with Black FRPE Jacket 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: [Low Loss Flexible LMR-195-FR Fire Rated Rated Coax Cable Double Shielded with Black FRPE Jacket LMR-195-FR](https://www.pasternack.com/50-ohm-flexible-lmr-195-fr-frpe-jacket-aluminum-tape-over-tinned-copper-braid-outer-conductor-double-shielded-black-lmr-195-fr-p.aspx)

URL: <https://www.pasternack.com/50-ohm-flexible-lmr-195-fr-frpe-jacket-aluminum-tape-over-tinned-copper-braid-outer-conductor-double-shielded-black-lmr-195-fr-p.aspx>

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Low Loss Flexible LMR-195-FR Fire Rated Rated Coax Cable Double Shielded with Black FRPE Jacket

