

NMO Mount Connector Crimp/Solder Attachment
for PE-C195, PE-P195, RG58, RG141,
RG142, RG400, RG303, LMR-195



PE51021

Configuration

- NMO Mount Sexless Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-C195, PE-P195, RG58, RG141, RG142, RG400, RG303, LMR-195

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE51021 NMO Mount Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG141, RG142, RG400, RG303 and LMR-195 Cable is part of our full line of RF components available for same-day shipping.

Our NMO Mount connector PE51021 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
Impedance		50		Ohms

Mechanical Specifications

Size	
Weight	0.07 lbs [31.75 g]

Environmental Specifications

Temperature	
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Compliance Certifications

(see product page for current document)

Plotted and Other Data

Notes:

NMO Mount Connector Crimp/Solder Attachment
for PE-C195, PE-P195, RG58, RG141,
RG142, RG400, RG303, LMR-195



PE51021

NMO Mount Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG141, RG142, RG400, RG303, 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: [NMO Mount Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG141, RG142, RG400, RG303, LMR-195 PE51021](#)

URL: <https://www.pasternack.com/nmo-mount-pe-c195-connector-pe51021.html>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE51021 CAD Drawing

NMO Mount Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG141, RG142, RG400, RG303, LMR-195

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F

E

D

C

B

A

ASSEMBLY PROCEDURES:

1. TRIM CABLE JACKET AND DIELECTRIC TO DIMENSION AS SHOWN.
2. SLIDE INSULATOR THROUGH CABLE.
3. SOLDER INNER CONDUCTOR TO CENTER CONTACT AND OUTER CONDUCTOR TO OUTER CONDUCTOR TERMINAL.
4. SLIDE INSULATOR TO COVER CENTER CONDUCTOR.

INSULATOR MOUNT BASE O-RING BRASS NUT

RECOMMENDED MOUNTING HOLE

REVISION

ZONE REV DESCRIPTION DATE CHANGED BY APPROVED

B B UPDATED PER ECO-13602 07/16/2024 HBAKKE SRAUTUS

1 18-18 UNEF-2A

.94 [23.7]

.36 [9.1]

.23 [5.8]

.37 [9.3]

.14 [3.5] MAX

.37 [9.3]

ϕ .81 [20.6]

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE INCHES. TOLERANCES ARE IN MILLIMETERS.

$X = \pm .25$ $\text{FRACTIONS} = \pm 1/32$
 $XX = \pm .02$ $\text{ANGLES} = \pm 1^\circ$
 $XXX = \pm .005$ $\text{DRAFTING} = \pm 1/32$

CABLE LENGTH TOLERANCES:

>12 [305] ≤ 80 [203] ≤ 120 [304] ≤ 144 [365] ≤ 192 [483] ≤ 240 [610] ≤ 300 [762] ≤ 360 [914] ≤ 432 [1100] ≤ 504 [1270] ≤ 576 [1450] ≤ 648 [1620] ≤ 720 [1850] ≤ 792 [1950] ≤ 864 [2130] ≤ 936 [2320] ≤ 1008 [2500] ≤ 1080 [2650] ≤ 1152 [2850] ≤ 1248 [3100] ≤ 1344 [3350] ≤ 1440 [3650] ≤ 1536 [3950] ≤ 1632 [4250] ≤ 1728 [4550] ≤ 1824 [4850] ≤ 1920 [5150] ≤ 2016 [5450] ≤ 2112 [5750] ≤ 2208 [6050] ≤ 2304 [6350] ≤ 2400 [6650] ≤ 2496 [6950] ≤ 2592 [7250] ≤ 2688 [7550] ≤ 2784 [7850] ≤ 2880 [8150] ≤ 2976 [8450] ≤ 3072 [8750] ≤ 3168 [9050] ≤ 3264 [9350] ≤ 3360 [9650] ≤ 3456 [9950] ≤ 3552 [10250] ≤ 3648 [10550] ≤ 3744 [10850] ≤ 3840 [11150] ≤ 3936 [11450] ≤ 4032 [11750] ≤ 4128 [12050] ≤ 4224 [12350] ≤ 4320 [12650] ≤ 4416 [12950] ≤ 4512 [13250] ≤ 4608 [13550] ≤ 4704 [13850] ≤ 4792 [14150] ≤ 4888 [14450] ≤ 4984 [14750] ≤ 5080 [15050] ≤ 5176 [15350] ≤ 5272 [15650] ≤ 5368 [15950] ≤ 5464 [16250] ≤ 5560 [16550] ≤ 5656 [16850] ≤ 5752 [17150] ≤ 5848 [17450] ≤ 5944 [17750] ≤ 6040 [18050] ≤ 6136 [18350] ≤ 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TNC Male Right Angle Connector Crimp/Crimp Attachment for
RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch



RF Connectors Technical Data Sheet

PE4451

Configuration

- TNC Male Connector
- MIL-STD-348A
- 50 Ohms

- Right Angle Body Geometry
- Connector Interface Types: RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch

Features

- Max. Operating Frequency 3 GHz
- Good VSWR of 1.35:1

- Gold Plated Brass Contact
- 30 μ in minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4451 TNC male right angle connector with crimp/crimp attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195 and .195 inch is part of our full line of RF components available for same-day shipping. Our TNC male connector operates up to a maximum frequency of 3 GHz and offers good VSWR of 1.35:1. Its right angle body geometry allows for easier connections in tight spaces.

Our TNC male right angle connector PE4451 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		3	GHz
VSWR			1.35:1	
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size

Length	1.35 in [34.29 mm]
Width/Dia.	0.571 in [14.50 mm]
Height	1.146 in [29.11 mm]
Weight	0.062 lbs [28.12 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Right Angle Connector Crimp/Crimp Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch PE4451](#)



TNC Male Right Angle Connector Crimp/Crimp Attachment for
RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch

RF Connectors Technical Data Sheet

PE4451

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 μ in minimum
Insulation	PTFE	
Body	Brass	Nickel 100 μ in minimum
Coupling Nut	Brass	Nickel 100 μ in minimum

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

TNC Male Right Angle Connector Crimp/Crimp Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch 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.

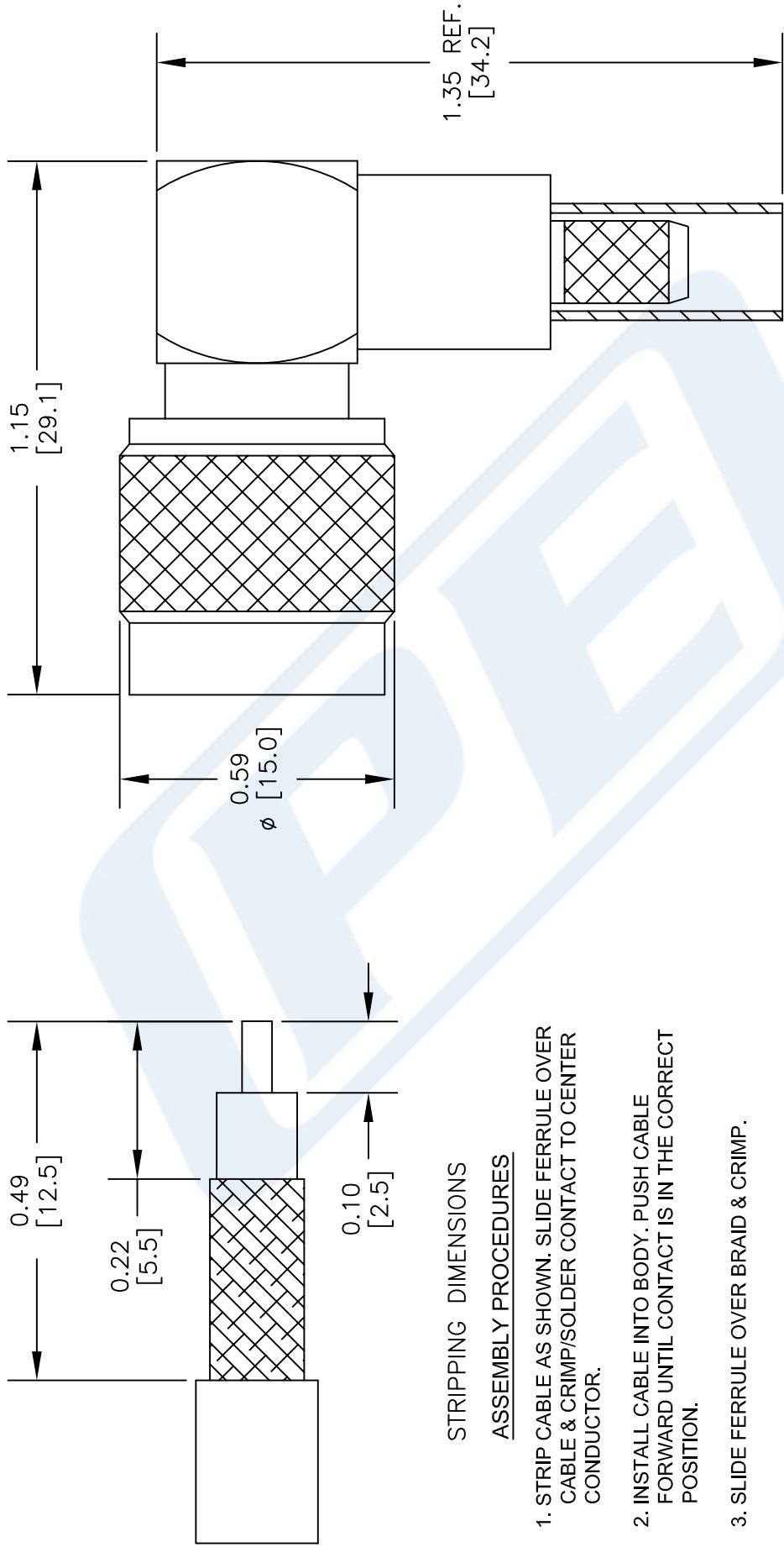
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Right Angle Connector Crimp/Crimp Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch PE4451](#)

URL: <https://www.pasternack.com/tnc-male-standard-rg58-connector-pe4451-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.

PE4451 CAD Drawing

TNC Male Right Angle Connector Crimp/Crimp Attachment for RG58,
RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch



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
PE4451

PE
THE ENGINEER'S RF SOURCE

Pasternack Enterprises, Inc.

P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451

Website: www.pasternack.com | E-Mail: sales@pasternack.com

FSCM NO.	53919	CAD FILE	031414	SCALE	N/A	SIZE	A	150
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Low Loss Flexible LMR-195 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



LMR-195



Times Microwave Systems Connector Specification

Configuration

- Low Loss, Outdoor Flexible Cable
- 2 Shield(s)

Features

- Max Operating Frequency of 8 GHz
- Low Loss Cable
- Phase Velocity 80% VoP

Applications

- Laboratory Applications
- General Purpose RF Interconnect

Description

LMR-195 part number from Pasternack is a LMR-195 coax cable that is flexible. Pasternack LMR-195 flexible coax cable is 50 Ohm and has a PE (F) dielectric. Our LMR-195 coax is constructed with a 0.195 jacket made of PE. LMR-195 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 coax cable has an attenuation at 1 GHz of 11.8 dB.

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

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Cutoff Frequency		41		GHz
Impedance		50		Ohms
Velocity of Propagation		80		%
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 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



LMR-195

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	
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	8	GHz
Attenuation, Typ	14.5	16	16.9	19	29.9	dB/100ft
	47.57	52.49	55.45	62.34	98.1	
Input Power (CW), Max	120	110	100	90	60	Watts

Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.022 lbs/ft [0.03 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 (F)	0.11 in [2.79 mm]
First Shield	Aluminum Tape	
Second Shield	Tinned Copper Braid	
Jacket	PE, 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 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



LMR-195

Low Loss Flexible LMR-195 Outdoor Rated Coax Cable Double Shielded with Black PE 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 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket LMR-195](#)

URL: <https://www.pasternack.com/50-ohm-low-loss-flexible-lmr195-pe-jacket-double-shielded-black-lmr-195-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

LMR-195 CAD Drawing

Low Loss Flexible LMR-195 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket

