



NMO Mount Connector Crimp/Solder Attachment
for PE-C195, PE-P195, RG58, RG55, RG141,
RG142, RG223, RG400, RG303, LMR-195

RF Connectors Technical Data Sheet

PE51021

Configuration

- NMO Mount Sexless Connector
- 50 Ohms
- Straight Body Geometry
- PE-C195, PE-P195, RG58, RG55, RG141, RG142, RG223, RG400, RG303, LMR-195 Interface Type
- Crimp/Solder Attachment

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE51021 NMO Mount connector with crimp/solder attachment for PE-C195, PE-P195, RG58, RG55, RG141, RG142, RG223, RG400, RG303 and LMR-195 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.

Mechanical Specifications

Weight 0.07 lbs [31.75 g]

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, RG55, RG141, RG142, RG223, 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% availability and are part of the broadest selection in the industry.

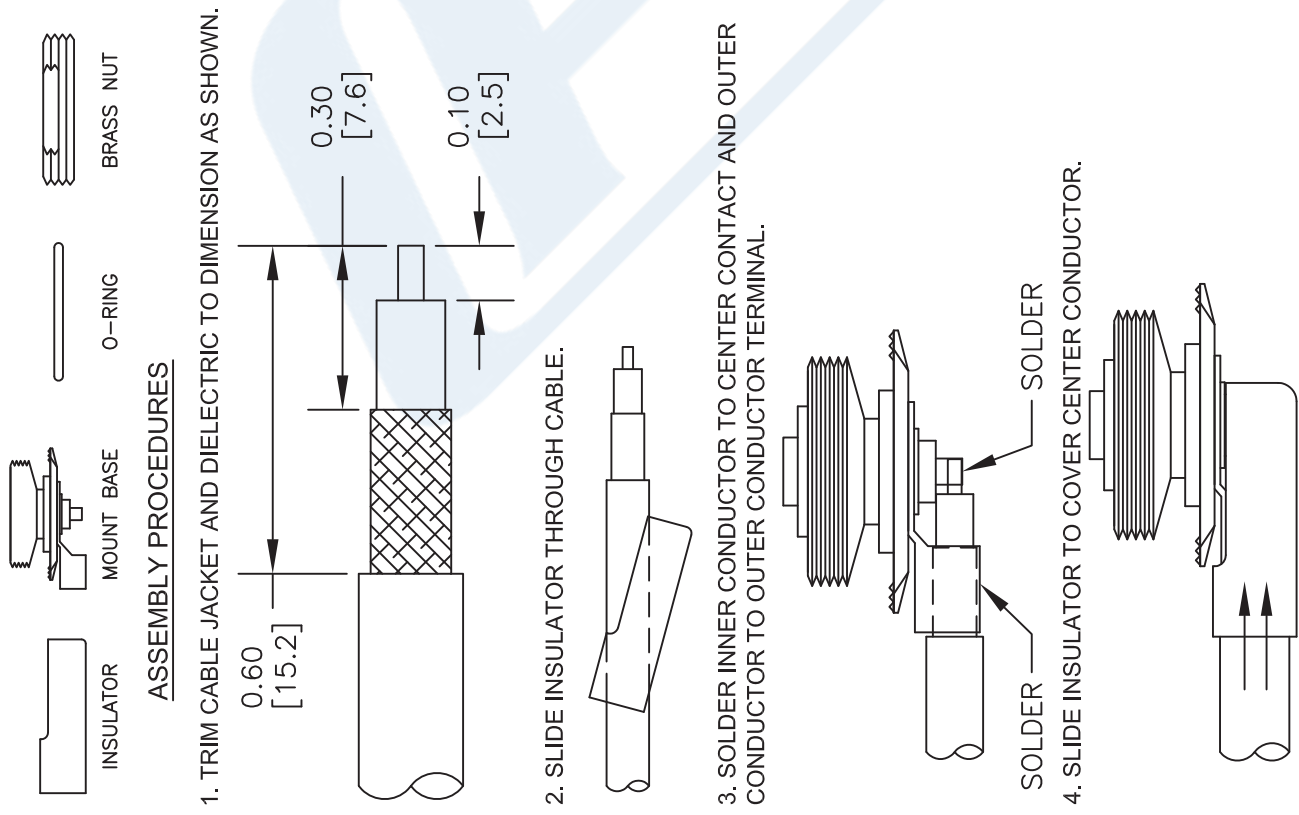
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [NMO Mount Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG55, RG141, RG142, RG223, RG400, RG303, LMR-195 PE51021](#)

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

PE51021 CAD Drawing

NMO Mount Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG55, RG141, RG142, RG223, RG400, RG303, LMR-195



BUSHING ASSEMBLY

MOUNTING HOLE



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COAXIAL & FIBER OPTICS

DWG TITLE

PE51021

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. D

FSCM NO. 53919

CAD FILE 051412

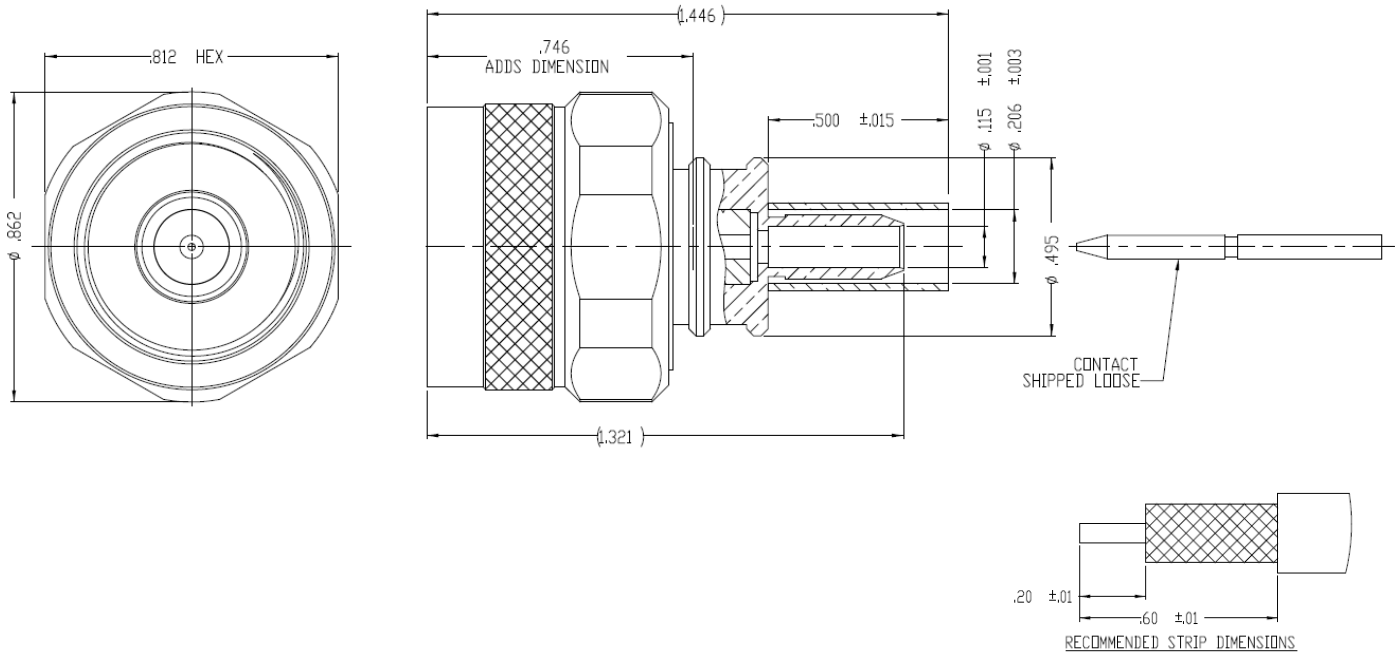
SCALE N/A

SIZE A

2233

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



NOTES:

- ASSEMBLED CONNECTOR INTERFACE IS DESIGNED IN ACCORDANCE WITH MIL-STD-348.
- 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
- FINISH:
 CONTACT - GOLD PLATE PER ASTM B488
 CRIMP SLEEVE - SILVER PLATE PER ASTM B700
 ALL OTHER METAL PARTS - ALBALOY PLATE

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

Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket

RF Cables Technical Data Sheet

RG58C/U

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5	GHz
Impedance		50		Ohms
Velocity of Propagation		65.9		%
Operating Voltage (AC)			1,900	Vrms
Nominal Capacitance		30.8 [101.05]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.01	0.1	1	5		GHz
Attenuation, Typ	1.4	4.9	20	60		dB/100ft
	4.59	16.08	65.62	196.85		dB/100m
Input Power (CW), Max			44			Watts

Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.025 lbs/ft [0.04 Kg/m]
Min. Bend Radius (Installation)	0.98 in [24.89 mm]
Min. Bend Radius (Repeated)	1.96 in [49.78 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Tin, 19 Strands	0.036 in [0.91 mm]
Conductor Type	Stranded	
Dielectric	PE	0.116 in [2.95 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG58 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG58C/U](#)

Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket

RF Cables Technical Data Sheet

RG58C/U

First Shield	Tinned Copper Braid	0.138 in [3.51 mm]
Jacket	PVC (NC), Black	0.195 in [4.95 mm]

Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

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

Plotted and Other Data

Notes:

Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) 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.

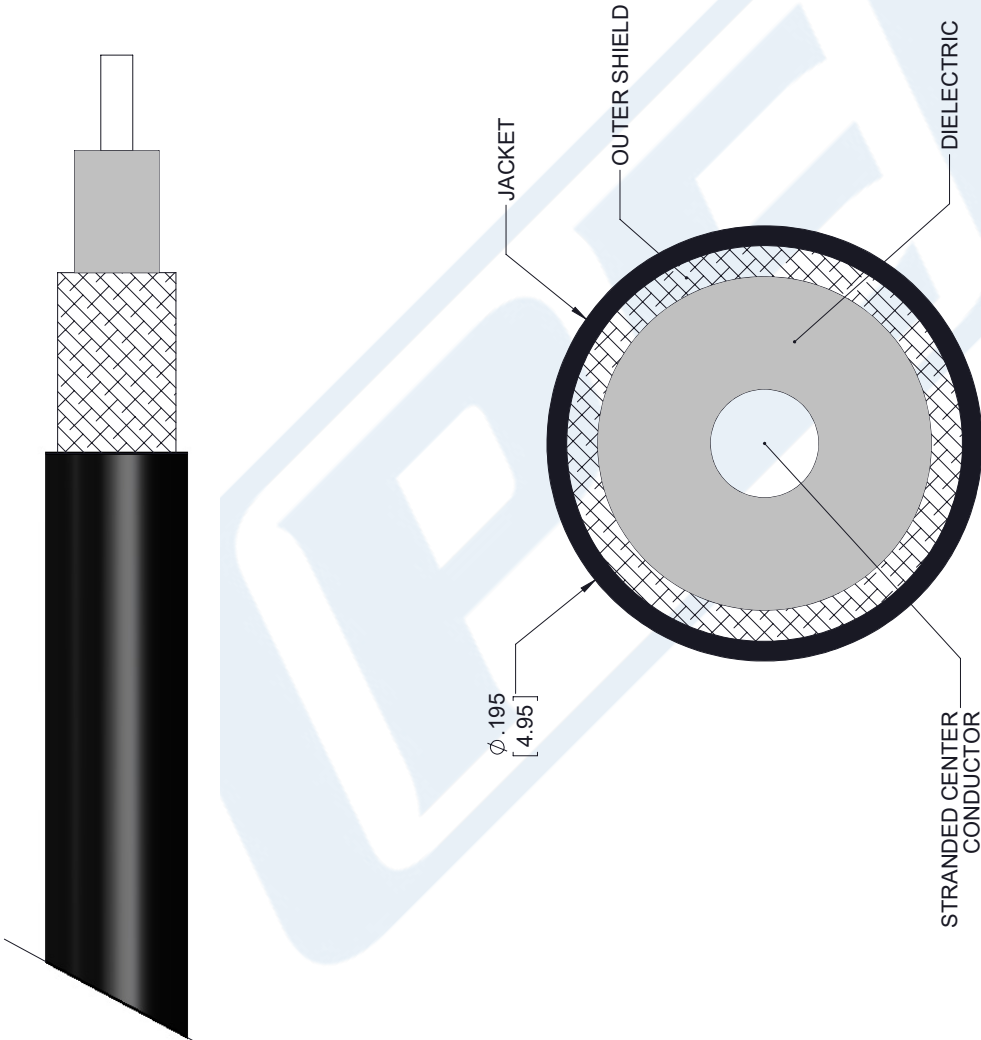
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG58 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG58C/U](#)

URL: <https://www.pasternack.com/flexible-0.195-rg58-50-ohm-coax-cable-pvc-jacket-rg58c-u-p.aspx>

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RG58C/U CAD Drawing

Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket



SECTION VIEW

STANDARD	TOLERANCES
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

RG58C/U

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CAGE CODE 53919

CAD FILE 091817

SCALE N/A

SIZE A

7361