



N Male Connector Clamp/Solder Attachment for RG213, RG214, RG225

RF Connectors Technical Data Sheet

M39012/01-0005

Configuration

- N Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG213, RG214, RG225

Features

- Max. Operating Frequency 11 GHz
- Gold Plated Brass Contact
- Contact plating according to MIL-G-45204
- QPL Part

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's M39012/01-0005 N male 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 11 GHz.

Our type N male connector M39012/01-0005 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
Operating Voltage (AC)			1,000	Vrms
Impedance		50		Ohms
Dielectric Withstanding Voltage (AC)			2,500	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length	1.50 in [38.10 mm]
Width	0.78 in [19.81 mm]
Height	0.78 in [19.81 mm]
Weight	0.11 lbs [51.26 g]

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 Clamp/Solder Attachment for RG213, RG214, RG225 M39012/01-0005](#)



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Material Specifications

Description	Material	Plating
Contact	Brass	Gold MIL-G-45204
Insulation	PTFE	
Body	Brass	Silver QQ-S-365
Coupling Nut	Brass	Silver QQ-S-365

Environmental Specifications

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: [N Male Connector Clamp/Solder Attachment for RG213, RG214, RG225 M39012/01-0005](#)

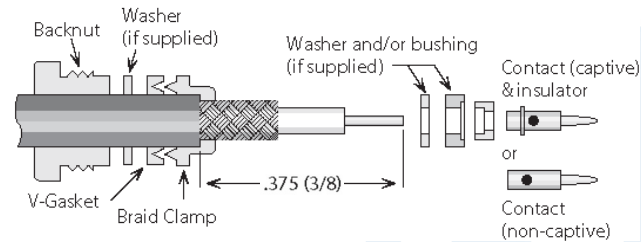


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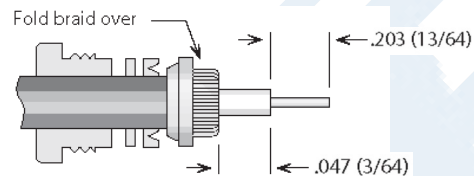
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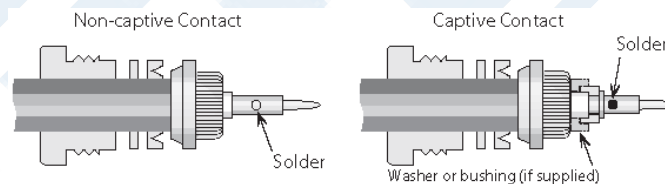
Assembly Instruction



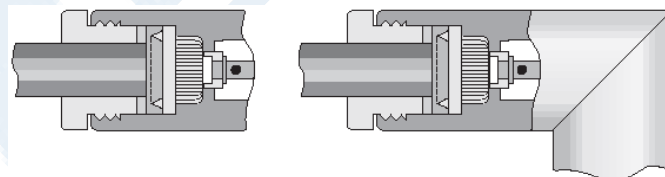
- 1) Trim cable jacket to dimension A. Slide backnut, washer, V-gasket, and braid clamp onto cable as shown. Cable jacket should bottom on step in braid clamp.



- 2) Comb braid wires out straight and fold back over front shoulder of braid clamp (braid wires should not overlap one another after folding). Trim braid wires flush with step of braid clamp. Trim cable dielectric and center conductor to dimensions B and C.



- 3) If support insulator is provided for RG-62 or 71 cable, insert into hollow in dielectric. Assemble rear bushing or washer (if supplied), rear insulator (if captive contact) and contact, and solder contact to center conductor. Rear of contact should be flush with cable dielectric end. For right angle connectors with access cap, omit this step entirely.



- 4) Insert prepared cable and hardware into body and tighten backnut. For right angle connectors with access cap, solder center conductor into slot in contact and tighten access cap.

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N Male Connector Clamp/Solder Attachment for RG213, RG214, RG225 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 Clamp/Solder Attachment for RG213, RG214, RG225 M39012/01-0005](https://www.pasternack.com/n-male-rg213-rg214-rg225-connector-m39012-01-0005-p.aspx)

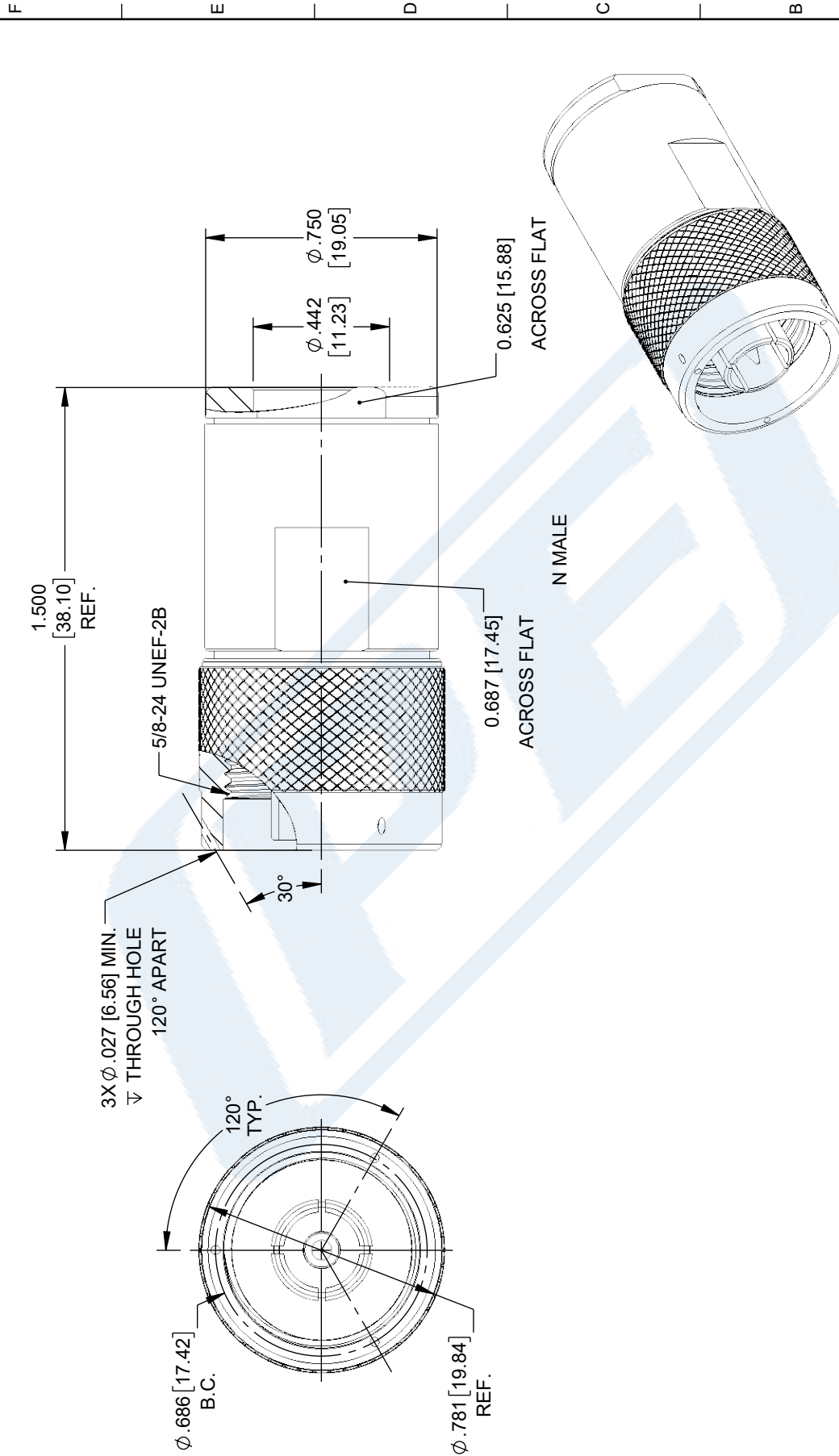
URL: <https://www.pasternack.com/n-male-rg213-rg214-rg225-connector-m39012-01-0005-p.aspx>

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.

M39012/01-0005 CAD Drawing

N Male Connector Clamp/Solder Attachment for RG213, RG214, RG225

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	06/27/2023	PSRINIVAS	AGANWANI



PE PASTERNAK an INFINITI® brand		
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		SCALE: NONE SHEET: 1 OF 1
DESCRIPTION: N Male (Plug) Connector For RG213, RG214, RG225 Cable, Clamp		
SIZE: A CAGE CODE: 53919 DRAWN BY: PSRINIVAS	ITEM NO.: M39012/01-0005	REV: A

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE IN MILLIMETERS.

TOLERANCES:

.X = ±.2 [5]	FRACTIONS: ± 1/32
.XX = ±.02 [0.5]	ANGLES ± 1°
.XXX = ±.005 [0.13]	

CABLE LENGTH TOLERANCES:

<12 [305] = ±.125 [-0]
>12 [305] ≤ 60 [1524] = ±.25 [-0]
>60 [1524] ≤ 120 [3048] = ±.5 [-0]
>120 [3048] ≤ 300 [7620] = ±.75 [-0]
>300 [7620] = ±.5% [-0]

ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS ARE NOT TO BE USED FOR PARTS AND SUBJECT TO CHANGE WITHOUT NOTICE. UNDIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

NOTES:

1. QUALIFIED SUPPLIER CAGE CODE: 00795

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