

N Male Connector Crimp/Solder Attachment For LMR-600, PE-C600



TC-600-NMH-X



Times Microwave Systems Connector Specification

Configuration

- N Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: LMR-600, PE-C600
- 20.57 mm Hex

Features

- Max. Operating Frequency 6 GHz
- Excellent VSWR of 1.25:1
- Gold Plated Brass Contact
- 50μ in. minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's TC-600-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 excellent VSWR of 1.25:1.

Our type N male connector TC-600-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			1.25:1	
Dielectric Withstanding Voltage (AC)			2,500	Vrms
Inner Conductor DC Resistance			0.8	mOhms
Outer Conductor DC Resistance			0.4	mOhms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 3					GHz
Insertion Loss, Max	0.1					dB

Mechanical Specifications

Size

Length	1.82 in [46.23 mm]
Width	0.801 in [20.35 mm]
Height	0.801 in [20.35 mm]

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Weight	0.135 lbs [61.23 g]
Mating Torque	44 in-lbs [[4.97 Nm]]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 50μ in. minimum
Insulation	PTFE	
Body	Brass	Tri-Metal 100μ in. minimum
Coupling Nut	Brass	Tri-Metal 100μ in. minimum

Environmental Specifications

Temperature	
Operating Range	-55 to +155 deg C
Shock	MIL-STD 202, Method 213, Condition I
Vibration	MIL-STD 202, Method 204, Condition B

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

Plotted and Other Data

Notes:

N Male Connector Crimp/Solder Attachment For LMR-600, PE-C600 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.

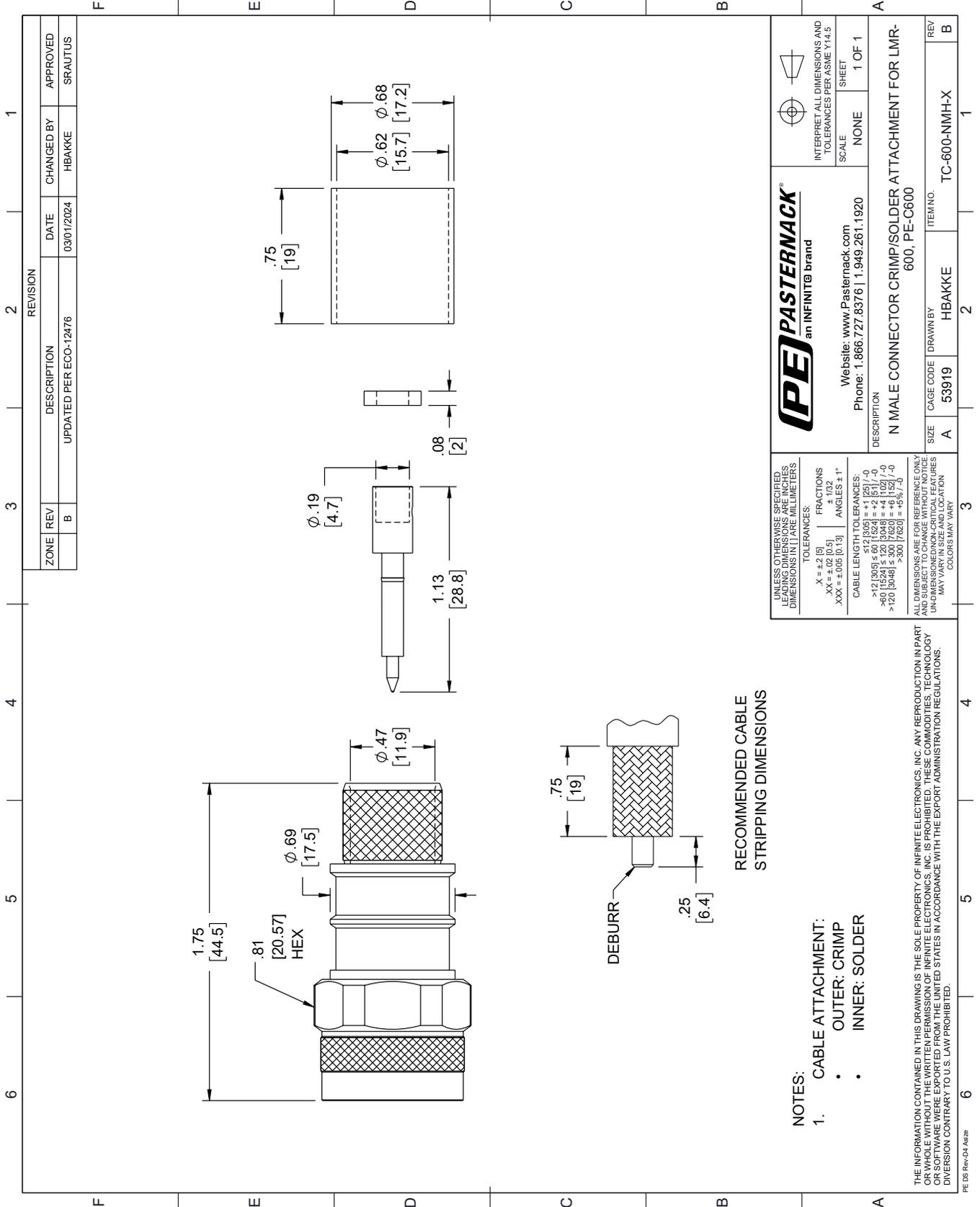
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Solder Attachment For LMR-600, PE-C600 TC-600-NMH-X](#)

URL: <https://www.pasternack.com/n-male-crimp-connector-solder-on-pin-hex-knurl-nut-no-braid-trim-for-use-to-8-ghz-for-lmr-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.

TC-600-NMH-X CAD Drawing

N Male Connector Crimp/Solder Attachment For LMR-600, PE-C600



PE PASTERNAK an INFINITI® brand		Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920	
INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5		SCALE: NONE SHEET: 1 OF 1	
DESCRIPTION: N MALE CONNECTOR CRIMP/SOLDER ATTACHMENT FOR LMR-600, PE-C600			
SIZE: A	CAGE CODE: 53919	DRAWN BY: HBAKKE	ITEM NO.: TC-600-NMH-X

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

TOLERANCES:
 .X = ±.2 [5]
 .XX = ±.02 [0.5]
 .XXX = ±.005 [0.13]

FRACTIONS: ± 1/32
 ANGLES: ± 1°

CABLE LENGTH TOLERANCES:
 ≤ 12 [305] ± .60 [15.24] = +.2 [5.1] / -0
 > 12 [305] ≤ 60 [1524] = +.2 [5.1] / -0
 > 60 [1524] ≤ 120 [3048] = +.4 [10.2] / -0
 > 120 [3048] ≤ 300 [7620] = +.6 [15.2] / -0
 > 300 [7620] = +.6 [15.2] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS. COLORS MAY VARY.

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PE DS Rev-04 Add2

RECOMMENDED CABLE STRIPPING DIMENSIONS

- NOTES:
- CABLE ATTACHMENT:
 - OUTER: CRIMP
 - INNER: SOLDER