

N Male Connector Crimp/Non-Solder Contact Attachment for LMR-400, LMR-400-DB, LMR-400-FR, and 400-Series Cable



## EZ-400-NMH-X-LC



### Times Microwave Systems Connector Specification

#### Configuration

- N Male Connector
- 50 Ohms
- Straight Body Geometry
- LMR-400, LMR-400-DB, LMR-400-FR, 400-Series Interface Type
- Crimp/Non-Solder Contact Attachment
- 20.57 mm Hex

#### Features

- Designed to industry standard interface dimensions
- Quality body materials and plating
- Crimp/Non-Solder Contact attachment
- Operates to 6 GHz

#### Applications

- RF Boxes and components
- RF Test systems
- General Purpose RF Interconnect
- Laboratory applications

#### Description

L-com's N Male connector for LMR-400, LMR-400-DB, LMR-400-FR and 400-Series coax uses a Crimp/Non-Solder Contact attachment method. This N connector is one of the many RF coaxial connectors in L-com's product line up and like all our products, they will ship the same day. Our N Male connector operates up to a maximum frequency of 6 GHz.

The specifications and a basic dimensional drawing for EZ-400-NMH-X-LC Male N connector can be found in this datasheet PDF. L-com's portfolio of RF and microwave connectors allows users to choose from a large number of options when building assemblies to fit their RF interconnect needs. RF cables can be created to fulfill many interconnect applications ranging from In the Box hookup, test equipment connectivity or as part of a system installation. In addition to an offering of RF connectors and coaxial cable L-com offers both standard and custom cable assemblies to fit a customer's specific needs.

#### Electrical Specifications

| Description                   | Minimum | Typical | Maximum | Units |
|-------------------------------|---------|---------|---------|-------|
| Frequency Range               | DC      |         | 6       | GHz   |
| VSWR                          |         |         | 1.25:1  |       |
| Insertion Loss                |         |         | 0.05    | dB    |
| Operating Voltage (AC)        |         |         | 1,500   | Vrms  |
| Inner Conductor DC Resistance |         |         | 0.8     | mOhms |
| Outer Conductor DC Resistance |         |         | 0.2     | mOhms |
| Insulation Resistance         | 5,000   |         |         | MOhms |

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-400, LMR-400-DB, LMR-400-FR, and 400-Series Cable EZ-400-NMH-X-LC](#)

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**Mechanical Specifications**

**Size**

|               |           |           |
|---------------|-----------|-----------|
| Length        | 1.496in   | [38mm]    |
| Width/Dia.    | 0.81in    | [20.57mm] |
| Weight        | 0.096lbs  | [43.54g]  |
| Mating Torque | 221in-lbs | [24.97Nm] |

**Material Specifications**

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

**Environmental Specifications**

**Temperature**

|                 |                                |
|-----------------|--------------------------------|
| Operating Range | -55°C to +155°C                |
| Shock           | MIL-STD 202, Meth. 213, Cond.I |
| Vibration       | MIL-STD-202, Meth. 204, Cond.B |
| Thermal Shock   | MIL-STD-202, Meth. 107, Cond.B |

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-400, LMR-400-DB, LMR-400-FR, and 400-Series Cable EZ-400-NMH-X-LC](#)

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

### Plotted and Other Data

N Male Connector Crimp/Non-Solder Contact Attachment for LMR-400, LMR-400-DB, LMR-400-FR, and 400-Series Cable from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components. 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-400, LMR-400-DB, LMR-400-FR, and 400-Series Cable EZ-400-NMH-X-LC

URL: <https://www.l-com.com/n-male-connector-crimp-non-solder-contact-attachment-lmr-400-lmr-400-db-lmr-400-fr-400-series-cable-ez-400-nmh-x-lc-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. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document. 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. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

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L-com CAD Drawing

| REVISIONS |                 |            |          |
|-----------|-----------------|------------|----------|
| REV.      | DESCRIPTION     | DATE       | APPROVED |
| A         | INITIAL RELEASE | 02/26/2020 | SELLIS   |

  

RECOMMENDED CABLE STRIPPING DIMENSIONS

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

TOLERANCES:

|             |        |             |        |
|-------------|--------|-------------|--------|
| .X ± .2     | [5.08] | FRACTIONS   | ± 1/32 |
| .XX ± .02   | [.51]  | ANGLES ± 1° |        |
| .XXX ± .005 | [.13]  |             |        |

CABLE LENGTH (L) TOLERANCES:

|        |        |           |                        |
|--------|--------|-----------|------------------------|
| L ≤ 12 | [305]  | ± .1      | [25] / -0              |
| 12     | [305]  | < L ≤ 60  | [1524] ± .2 [91] / -0  |
| 60     | [1524] | < L ≤ 120 | [3048] ± .4 [102] / -0 |
| 120    | [3048] | < L ≤ 300 | [7620] ± .6 [152] / -0 |
| 300    | [7620] | < L ≤ 95% | L / -0                 |

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

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50 High Street, West Mill, 3rd Floor, Suite #30  
North Andover, MA 01845 USA

Phone: 1.800.341.5266 | 1.978.682.6936  
Fax: 1.978.689.9484  
Website: www.L-com.com  
E-mail: CustomerService@L-com.com

|      |           |          |                 |
|------|-----------|----------|-----------------|
| SIZE | CAGE CODE | DRAWN BY | PART NUMBER     |
| A    | 43321     | BPUCASKI | EZ-400-NMH-X-LC |

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