



N Male Connector Crimp/Solder Attachment for RG8X, PE-C240, 0.240 inch, B7808A, LMR-240

RF Connectors Technical Data Sheet

PE4344

Configuration

- N Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG8X, PE-C240, 0.240 inch, B7808A, LMR-240 Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 11 GHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4344 type N male connector with crimp/solder attachment for RG8X, PE-C240, 0.240 inch, B7808A and LMR-240 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 and offers good VSWR of 1.5:1.

Our type N male connector PE4344 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 |
| VSWR | | | 1.5:1 | |
| Operating Voltage (AC) | | | 1,000 | Vrms |

Mechanical Specifications

Size

| | |
|------------|---------------------|
| Length | 1.394 in [35.41 mm] |
| Width/Dia. | 0.827 in [21.01 mm] |
| Weight | 0.068 lbs [30.84 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 Crimp/Solder Attachment for RG8X, PE-C240, 0.240 inch, B7808A, LMR-240 PE4344](#)



N Male Connector Crimp/Solder Attachment for RG8X, PE-C240, 0.240 inch, B7808A, LMR-240

RF Connectors Technical Data Sheet

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Material Specifications

| Description | Material | Plating |
|--------------|----------|---------------------------|
| Contact | Brass | Gold 30 µin minimum |
| Insulation | PTFE | |
| Body | Brass | Nickel 100 µin minimum |
| Coupling Nut | Brass | Nickel 100 µin minimum |

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

N Male Connector Crimp/Solder Attachment for RG8X, PE-C240, 0.240 inch, B7808A, LMR-240 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.

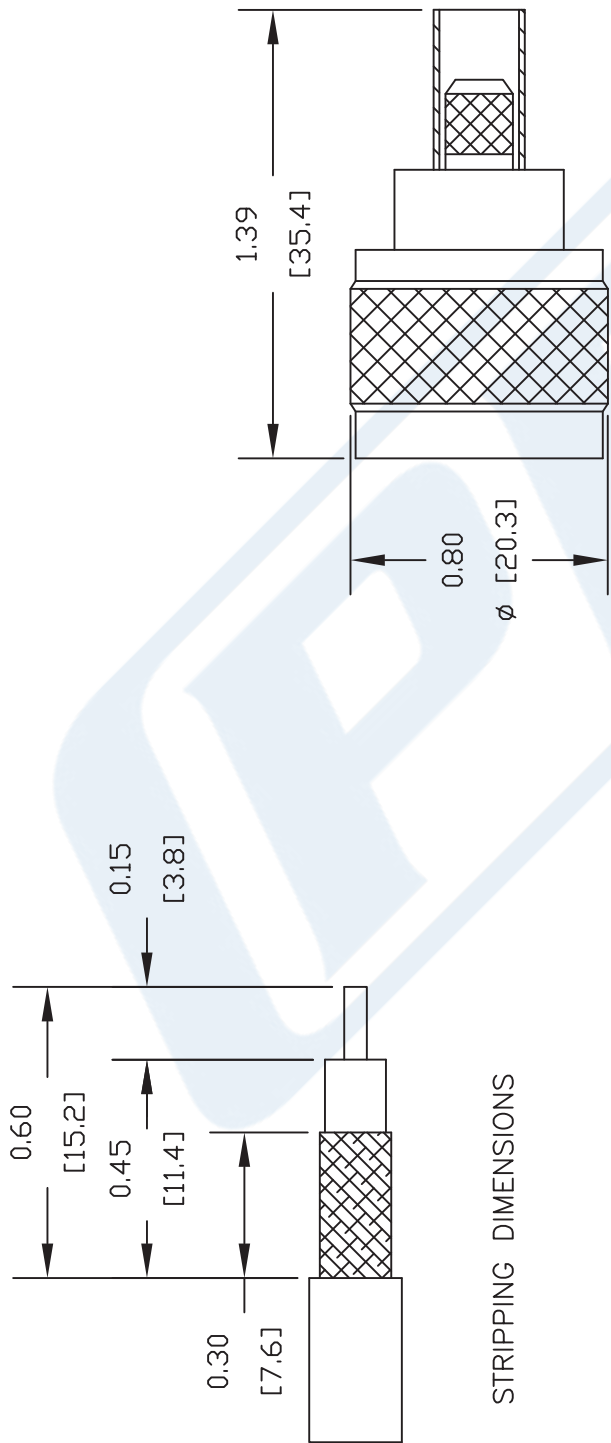
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Solder Attachment for RG8X, PE-C240, 0.240 inch, B7808A, LMR-240 PE4344](#)

URL: <https://www.pasternack.com/n-male-standard-rg8x-pe-c240-connector-pe4344-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.

PE4344 CAD Drawing

N Male Connector Crimp/Solder Attachment for RG8X, PE-
C240, 0.240 inch, B7808A, LMR-240



STRIPPING DIMENSIONS

CRIMP SIZES REQUIRED

CONTACT: .100" HEX CRIMP TOOL
FERRULE: .255" HEX CRIMP TOOL



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

PE4344

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.

FSCM NO. 53919

REV. A

SCALE N/A

CAD FILE 050609

SIZE A

127



BNC Male Connector Crimp/Non-Solder Contact
Attachment for LMR-240, LMR-240-DB, LMR-
240-UF, LMR-240-FR, RG8X, PE-C240

RF Connectors
Technical Data Sheet

Times Microwave Systems Connector Specification

Configuration

- BNC Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240

Features

- Max. Operating Frequency 4 GHz
- Good VSWR of 1.3:1
- Gold Plated Beryllium Copper Contact
- 50 μ m minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

EZ-240-BM-X BNC male coaxial connector has an interface type of BNC male LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, and PE-C240 and a 50 Ohms impedance. Pasternack's BNC male connector uses crimp/non-solder contact as an attachment method. Our male BNC coaxial connector provides a maximum frequency of 4 GHz.

The Pasternack BNC male coaxial connector has a PTFE dielectric type and a VSWR of 1.3:1. Pasternack's BNC coaxial connector has a brass body with tri-metal plating. Our EZ-240-BM-X BNC connector uses a gold plated beryllium copper contact. Additional RF connector specs and dimensions for this component can be found on its PDF specification datasheet and CAD drawings above.

The radio frequency connector is made from brass material and has a contact life of 500 cycles or more. Our high-quality EZ-240-BM-X features an 80 μ m minimum body plating specification. The Pasternack EZ-240-BM-X BNC connector operates at a temperature range of -40 to 125 deg C.

This Pasternack male BNC connector will ship the same business day as purchased. Our BNC male connector is part of over 40,000 RF, microwave, and millimeter wave components in stock for local, domestic, and international shipment. For further information on similar products, our expert technical support and trained sales team can get you the ideal RF connector as per your requirements.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|---------|---------|-------|
| Frequency Range | DC | | 4 | GHz |
| VSWR | | | 1.3:1 | |
| Insertion Loss | | | 0.2 | dB |
| Impedance | | 50 | | Ohms |
| Dielectric Withstanding Voltage (DC) | | | 750 | Vdc |
| Insulation Resistance | 5,000 | | | MOhms |

Electrical Specification Notes:
Insertion Loss is $0.1 \times \sqrt{\text{fGHz}}$ dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240 EZ-240-BM-X](#)



BNC Male Connector Crimp/Non-Solder Contact
Attachment for LMR-240, LMR-240-DB, LMR-
240-UF, LMR-240-FR, RG8X, PE-C240

RF Connectors Technical Data Sheet

Mechanical Specifications

| | |
|-----------------------|--------------------|
| Size | |
| Length | 1.23 in [31.22 mm] |
| Width | 0.57 in [14.50 mm] |
| Height | 0.57 in [14.50 mm] |
| Weight | 0.10 lbs [45.36 g] |
| Mating Cycles | 500 Cycles |
| Cable Retention Force | 250 lbs 113.4 kg |

Material Specifications

| Description | Material | Plating |
|--------------|------------------|-----------------------------|
| Contact | Beryllium Copper | Gold 50 µin minimum |
| Insulation | PTFE | |
| Body | Brass | Tri-Metal 80 µin minimum |
| Gasket | Silicone | |
| Crimp Sleeve | Brass | Tri-Metal 80 µin minimum |

Environmental Specifications

| | |
|--------------------|--------------------------------|
| Temperature | |
| Operating Range | -40 to 125 deg C |
| Shock | MIL-STD 202G, Meth.213, Cond I |
| Vibration | MIL-STD 202G, Meth.204, Cond.B |
| Thermal Shock | MIL-STD 202G, Meth.107, Cond.B |

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: [BNC Male Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240 EZ-240-BM-X](#)



BNC Male Connector Crimp/Non-Solder Contact
Attachment for LMR-240, LMR-240-DB, LMR-
240-UF, LMR-240-FR, RG8X, PE-C240

RF Connectors
Technical Data Sheet



EZ-240-BM-X

BNC Male Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240 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: [BNC Male Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240 EZ-240-BM-X](https://www.pasternack.com/bnc-male-lmr-240-lmr-240-db-connector-ez-240-bm-x-p.aspx)

URL: <https://www.pasternack.com/bnc-male-lmr-240-lmr-240-db-connector-ez-240-bm-x-p.aspx>

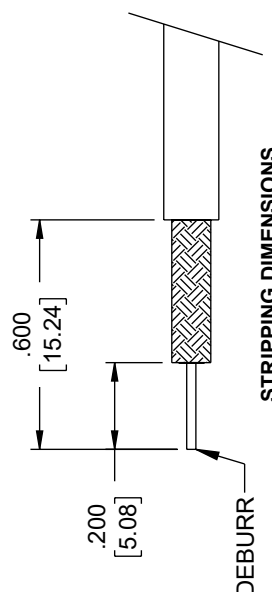
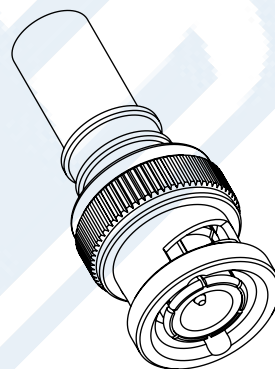
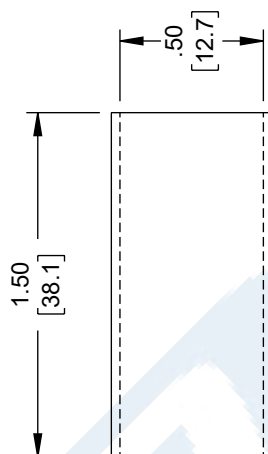
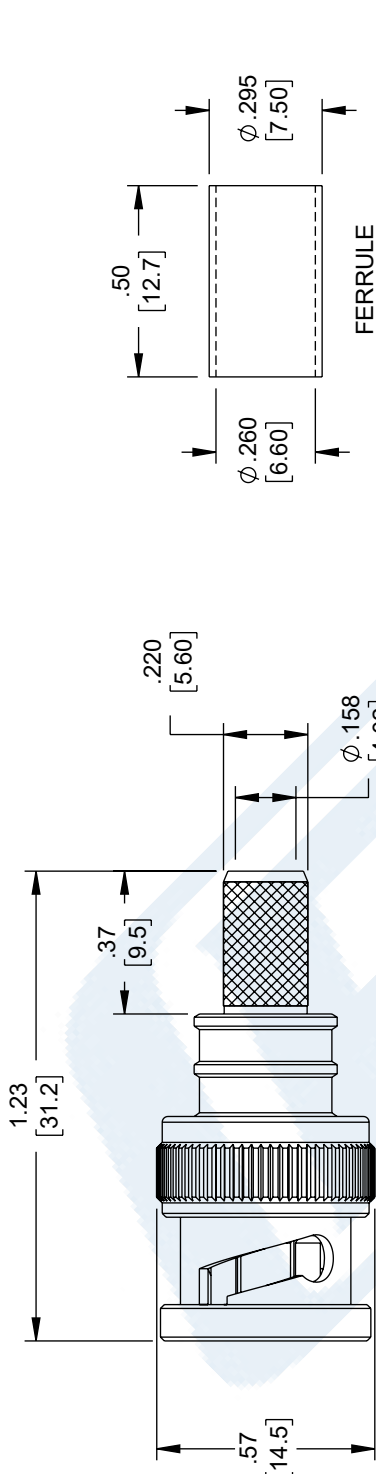
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MICROWAVE SYSTEMS

EZ-240-BM-X CAD Drawing

BNC Male Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240



STRIPPING DIMENSIONS

NOTES:

1. CABLE ATTACHMENT:
• OUTER: CRIMP.
• INNER CONTACT: CAPTIVE.
2. CRIMP SIZE REQUIRED:
• FERRULE: .255 [6.48] HEX. CRIMP TOOL.

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

TOLERANCES:

X = ± .2 [5] FRACTIONS
.XX = ± .02 [.5] ± 1/32
XXX = ± .005 [.13] ANGLES ± 1°

CABLE LENGTH TOLERANCES:

≤ 12 [305] = +1 [25] / -0
> 12 [305] ≤ 60 [1524] = +2 [51] / -0
> 60 [1524] ≤ 120 [3048] = +4 [102] / -0
> 120 [3048] ≤ 300 [7620] = +6 [152] / -0
> 300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY
AND SUBJECT TO CHANGE WITHOUT NOTICE



Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION

BNC Male (plug) crimp connector (non-solder pin), no braid trim

INTERPRET ALL DIMENSIONS AND
TOLERANCES PER ASME Y14.5

SCALE NONE

SHEET 1 OF 1

| SIZE | CAGE CODE | DRAWN BY | ITEM NO. | REV |
|------|-----------|----------|-------------|-----|
| A | 53919 | KDANG | EZ-240-BM-X | B |

Flexible RG8X Coax Cable Single Shielded with Black PVC (NC) Jacket

RF Cables Technical Data Sheet

Times Microwave Systems Coax Cable Specification Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|------------------------|---------|-----------|---------|--------------|
| Frequency Range | DC | | 1,000 | MHz |
| Impedance | | 50 | | Ohms |
| Operating Voltage (AC) | | | 2,500 | Vrms |
| Nominal Capacitance | | 26 [85.3] | | pF/ft [pF/m] |

Performance by Frequency Band

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|-------|-------|-------|----|----------|
| Frequency | 10 | 400 | 700 | 1,000 | | MHz |
| Attenuation, Typ | 1 | 8 | 11.1 | 13.5 | | dB/100ft |
| | 3.28 | 26.25 | 36.42 | 44.29 | | dB/100m |
| Input Power (CW), Max | 1,000 | 110 | 75 | 60 | | Watts |

Electrical Specification Notes:
All tests performed in accordance with MIL-DTL-17

Mechanical Specifications

Diameter 0.242 in [6.15 mm]
Weight 0.0375 lbs/ft [0.06 Kg/m]

Construction Specifications

| Description | Material and Plating | Diameter |
|-----------------|----------------------|------------------|
| Inner Conductor | Copper19 | 0.056 in 1.42 mm |
| Conductor Type | Stranded | |
| Dielectric | PE (F) | 0.155 in 3.94 mm |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG8X Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG8X](#)

Flexible RG8X Coax Cable Single Shielded with Black PVC (NC) Jacket

RF Cables Technical Data Sheet

| | | |
|--------------|-----------------|--------------------|
| First Shield | Copper Braid | |
| Jacket | PVC (NC), Black | 0.242 in [6.15 mm] |

Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

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

Plotted and Other Data

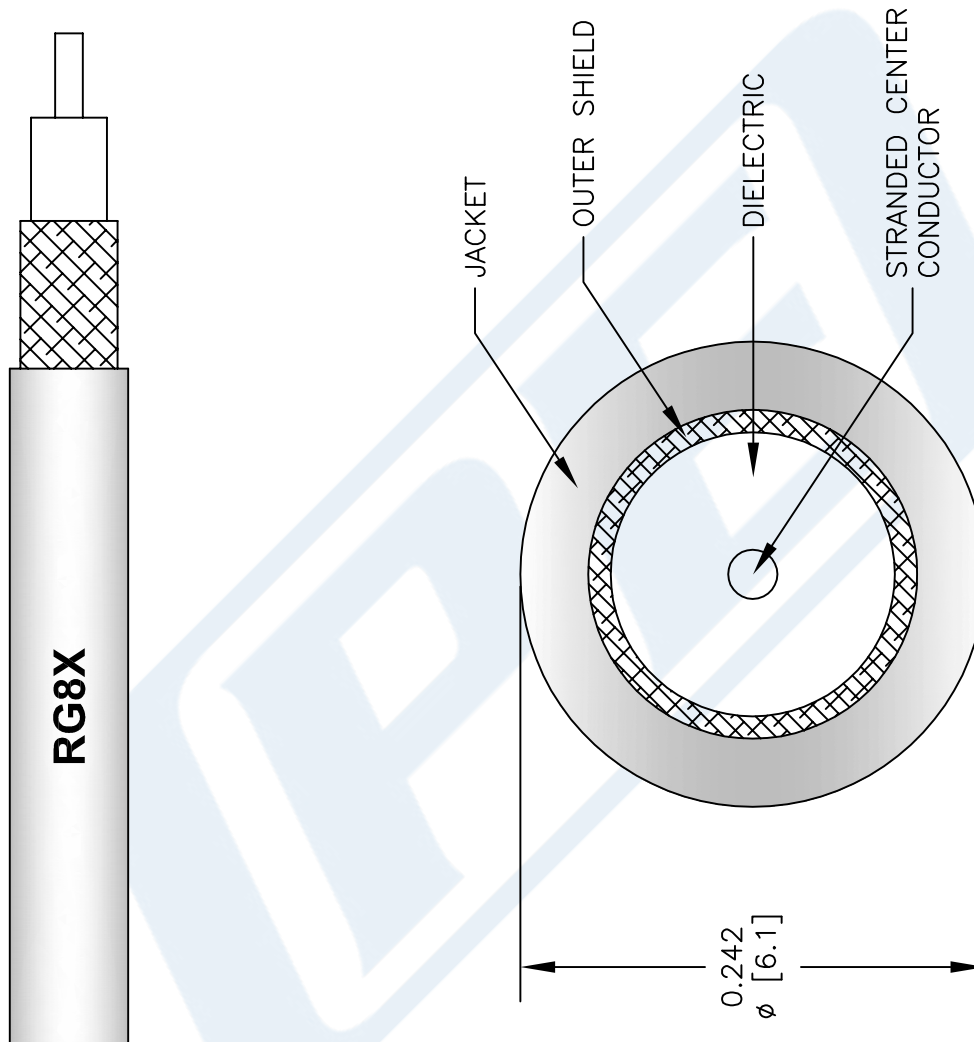
Notes:

Flexible RG8X 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 RG8X Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG8X](#)

URL: <https://www.pasternack.com/flexible-0.242-rg8x-50-ohm-coax-cable-pvc-jacket-rg8x-p.aspx>

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DWG TITLE

RG8X

REV. A

FSCM NO. 53919

CAD FILE 040113-A

SCALE N/A

SIZE A

147

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