



N Male Connector Solder Attachment for PE-SR402AL,
PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

RF Connectors Technical Data Sheet

PE44701

Configuration

- N Male Connector
- 50 Ohms
- Straight Body Geometry
- PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 Interface Type
- Solder/Solder Attachment

Features

- Max. Operating Frequency 11 GHz
- Good VSWR of 1.35:1
- Gold over Nickel Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44701 type N male connector with solder/solder attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN and RG402 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 1.35:1.

Our type N male connector PE44701 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			1.35:1	

Mechanical Specifications

Size	
Length	1 in [25.4 mm]
Width/Dia.	0.79 in [20.07 mm]
Weight	0.058 lbs [26.31 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 Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE44701](#)



N Male Connector Solder Attachment for PE-SR402AL,
PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

RF Connectors Technical Data Sheet

PE44701

Material Specifications

Description	Material	Plating
Contact	Brass	Gold over Nickel
Insulation	PTFE	
Body	Brass	Nickel
Coupling Nut	Brass	Nickel

Environmental Specifications

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

Plotted and Other Data

Notes:

Assembly Instruction

N Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 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.

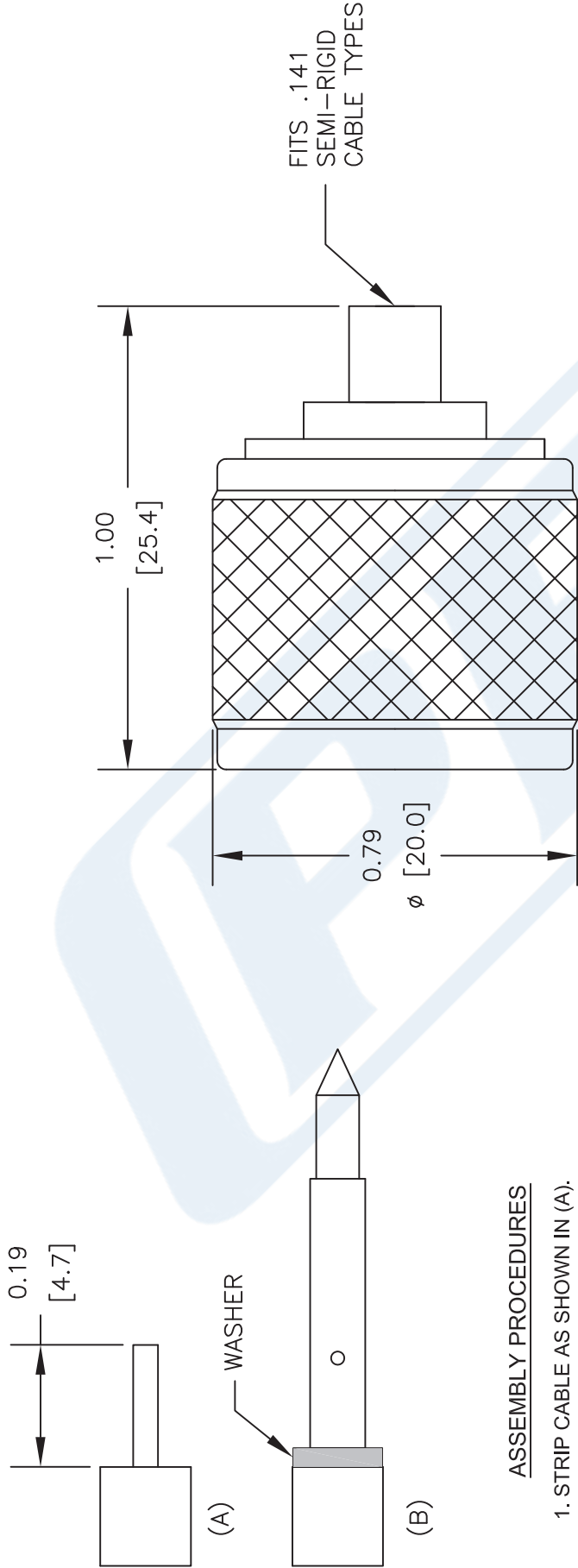
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE44701](#)

URL: <https://www.pasternack.com/n-male-standard-pe-sr402al-pe-sr402fl-pe-sr402flj-connector-pe44701-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.

PE44701 CAD Drawing

N Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402



ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN IN (A).
DO NOT NICK CENTER CONDUCTOR.
2. PLACE WASHER OVER CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR AS SHOWN IN (B).
3. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR BOTTOMS OUT. SOLDER OUTER CONDUCTOR TO BODY.

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.

DWG TITLE
PE44701

PE PASTERNAK®
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REV. -	FSCM NO. 53919	CAD FILE 062211	SCALE N/A	SIZE A	2231
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4.3-10 Male Low PIM Push-On Connector Solder Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, IP67 Rated

RF Connectors Technical Data Sheet

PE45301

Configuration

- Push-On 4.3-10 Male Connector
- Straight Body Geometry
- RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ

- Interface Type
- Solder/Solder Attachment
 - Low PIM Design

Features

- Max. Operating Frequency 6 GHz
- Excellent VSWR of 1.08:1
- PIM levels lower than -166 dBc
- Silver Plated Brass Contact
- IP 67 (Mated)
- Low Coupling Torque
- Corrosion Resistant Tri-Metal Finish
- Low-PIM rating of -166 dBc

Applications

- General Purpose Test
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications
- Mobile Communications Systems
- Base Stations
- Distributed Antenna Systems (DAS)
- Small Cells
- Feeder Cables

Description

Pasternack's PE45301 4.3-10 male push-on connector with solder/solder attachment for RG402, PE-SR402AL, PE-SR402FL and PE-SR402FLJ is part of our full line of RF components available for same-day shipping. Our 4.3-10 male connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.08:1. The 4.3-10 male connector also has low passive intermodulation of -166 dBc. The connector has an IP67 rating to protect against dust and temporary moisture protection under immersion conditions.

Our 4.3-10 male connector PE45301 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			1.08:1	
Insertion Loss			0.13	dB
Passive Intermodulation		-166		dBc
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
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: [4.3-10 Male Low PIM Push-On Connector Solder Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, IP67 Rated PE45301](#)



4.3-10 Male Low PIM Push-On Connector Solder Attachment for
RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, IP67 Rated

RF Connectors Technical Data Sheet

PE45301

Mechanical Specifications

Size

Length	0.88 in [22.35 mm]
Width/Dia.	1 in [25.40 mm]
Weight	0.068 lbs [30.84 g]
Mating Cycles	100 Cycles

Material Specifications

Description	Material	Plating
Contact	Brass	Silver
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal
Gasket	EPDM Rubber	

Environmental Specifications

Temperature

Operating Range	-55 to +90 deg C
Ingress Protection (IP) Rating	IP 67 (Mated)

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4.3-10 Male Low PIM Push-On Connector Solder Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, IP67 Rated PE45301](#)



4.3-10 Male Low PIM Push-On Connector Solder Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, IP67 Rated

RF Connectors Technical Data Sheet

PE45301

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

Plotted and Other Data

Notes:

4.3-10 Male Low PIM Push-On Connector Solder Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, IP67 Rated 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.

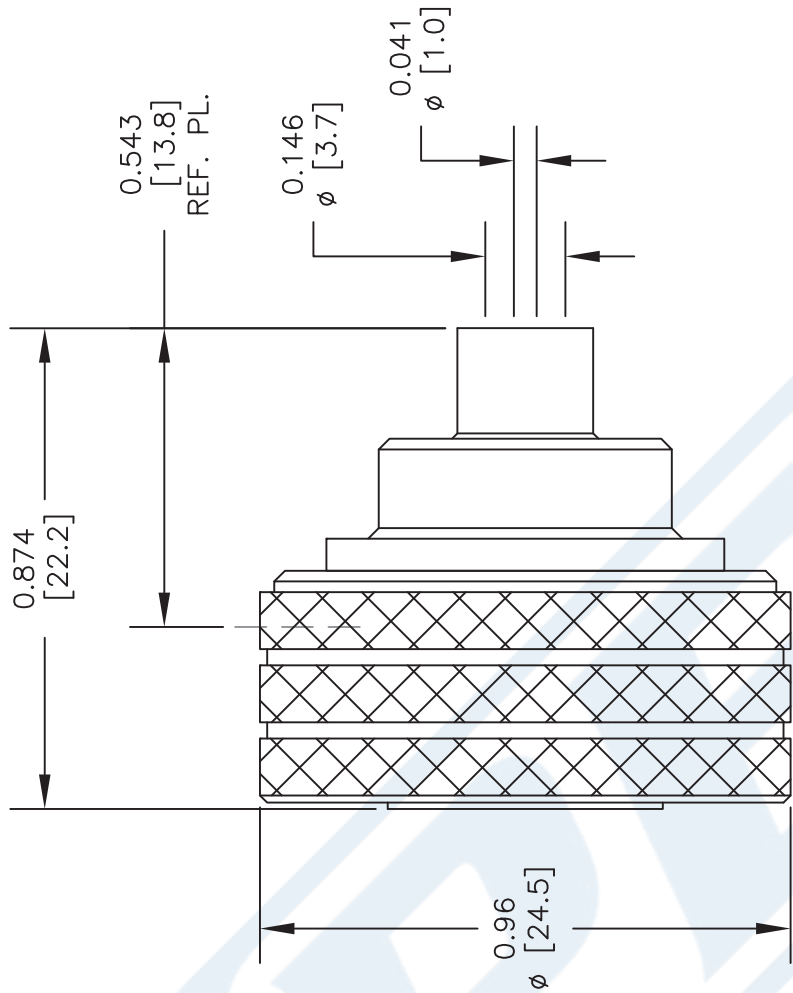
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4.3-10 Male Low PIM Push-On Connector Solder Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, IP67 Rated PE45301](#)

URL: <https://www.pasternack.com/4.3-10-male-rg402-pe-sr402al-pe-sr402fl-pe-sr402flj-connector-pe45301-p.aspx>

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PE45301 CAD Drawing

4.3-10 Male Low PIM Push-On Connector Solder Attachment for RG402,
PE-SR402AL, PE-SR402FL, PE-SR402FLJ, IP67 Rated



STRIPPING DIMENSIONS ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN IN (A). DO NOT NICK CENTER CONDUCTOR.
2. PLACE INSULATOR OVER CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR AS SHOWN IN (B).
3. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR BOTTOMS OUT. SOLDER OUTER CONDUCTOR TO BODY.

STANDARD TOLERANCES

.X ±0.2
.XX ±0.1
.XXX ±0.05

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

PE PASTERNAK®
THE ENGINEER'S RF SOURCE

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DWG TITLE

PE45301

NOTES:
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2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

CAGE CODE 53919

CAD FILE 011317

SCALE N/A

SIZE A

2233



Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

RF Cables Technical Data Sheet

PE-SR402FL

Configuration

- Formable Cable
- 1 Shield(s)

Features

- Dimensionally the same as standard solid outer conductor semi-rigid coax
- Standard semi-rigid connectors can be used
- Cable is hand formable and does not require special tools to bend
- Connectors are easily soldered to Tin soaked outer conductor
- Cable can be formed more than once without damage to outer conductor
- High RF Shielding >100 dB

Description

Formable semi-rigid coax is a hand formable version of standard semi-rigid that does not require complicated and costly pre-formed cable assemblies. Because the dimensions and electrical characteristics are so closely matched to semi-rigid coax, standard semi-rigid connectors can be used. The tin soaked copper braid outer shield provides excellent RF shielding.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		20	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%
Shielding Effectiveness	110			dB
Inner Conductor DC Resistance			7.8	Ohms/1000ft
Outer Conductor DC Resistance			5.5	Ohms/1000ft
Nominal Capacitance		29 [95.14]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	5	10	20	GHz
Attenuation, Typ	8	12	29	45	70	dB/100ft
	26.25	39.37	95.14	147.64	229.66	dB/100m

Mechanical Specifications

Min. Bend Radius (Repeated) 0.625 in [15.88 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR402FL](#)



Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

RF Cables Technical Data Sheet

PE-SR402FL

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 1 Strands	0.037 in [0.94 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.119 in [3.02 mm]
First Shield	Tinned Copper Braid 100% coverage	0.141 in [3.58 mm]

Environmental Specifications

Temperature

Operating Range

-55 to +125 deg C

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

Plotted and Other Data

Notes:

Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor 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.

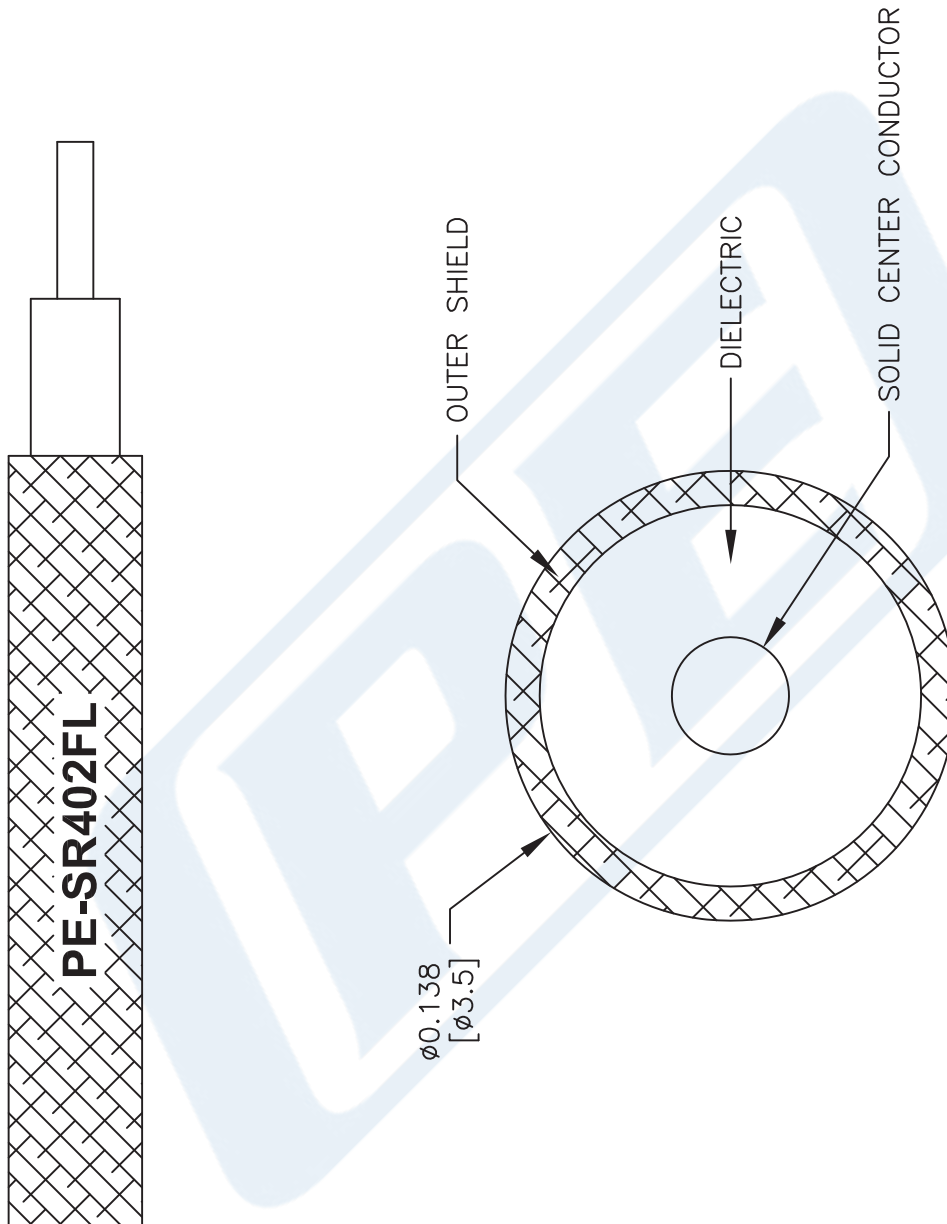
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR402FL](#)

URL: <https://www.pasternack.com/formable-0.141-semirigid-replacement-50-ohm-coax-cable-tinned-braid-pe-sr402fl-p.aspx>

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PE-SR402FL CAD Drawing

Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor



NOTES:

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DWG TITLE

PESR402FL

FSCM NO. 53919

CAD FILE 111716

SCALE N/A

SIZE A

41742

PE PASTERNAK
THE ENGINEER'S RF SOURCE

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