



SSMC Jack Connector Clamp/Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL

RF Connectors Technical Data Sheet

PE45371

Configuration

- SSMC Jack Connector
- 50 Ohms
- Straight Body Geometry

- PE-047SR, PE-SR047AL, PE-SR047FL Interface Type
- Clamp/Solder Attachment

Features

- Max. Operating Frequency 12.4 GHz
- Gold Plated Beryllium Copper Contact
- Contact plating according to MIL-G-45204
- Reliable threaded coupling

- Small SSMC connector form factor (50% smaller than SMA, radially)
- IEC 60169-20 SSMC connector interface
- In stock and ready to ship

Applications

- General Purpose Test
- Custom Cable Assemblies
- Avionics

- A/D Modules
- Data Acquisition
- Software defined radio (SDR)

- RADAR/SONAR
- Ultra Wideband Digital Receivers
- Medical equipment

Description

Pasternack's PE45371 SSMC jack connector with clamp/solder attachment for PE-047SR, PE-SR047AL and PE-SR047FL is part of our full line of RF components available for same-day shipping. Our SSMC jack connector operates up to a maximum frequency of 12.4 GHz.

Our SSMC jack connector PE45371 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		12.4	GHz
Insertion Loss			0.3	dB
Operating Voltage (AC)			250	Vrms
High Potential Voltage 5 MHz			400	Vrms
Inner Conductor DC Resistance		4		mOhms
Outer Conductor DC Resistance		1		mOhms
Insulation Resistance	1,000			MOhms
RF Leakage	-50			dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMC Jack Connector Clamp/Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL PE45371](#)



SSMC Jack Connector Clamp/Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL

RF Connectors Technical Data Sheet

PE45371

Mechanical Specifications

Size	
Length	0.55 in [13.97 mm]
Width/Dia.	0.156 in [3.96 mm]
Mating Cycles	500 Cycles
Mating Torque	1.75 to 2 in-lbs [0.20 to 0.23 Nm]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold MIL-G-45204
Insulation	Teflon	
Outer Conductor	Beryllium Copper	Gold MIL-G-45204
Body	Beryllium Copper	Gold MIL-G-45204
Washer	Phosphor Bronze	Gold MIL-G-45204

Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C
Shock	Method 213, Condition B, 75G @6ms @1/2 sine
Vibration	Method 204, Condition D (20G)
Salt Spray	Method 101, Condition B, 5% salt solution

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: [SSMC Jack Connector Clamp/Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL PE45371](#)



SSMC Jack Connector Clamp/Solder Attachment
for PE-047SR, PE-SR047AL, PE-SR047FL

RF Connectors Technical Data Sheet

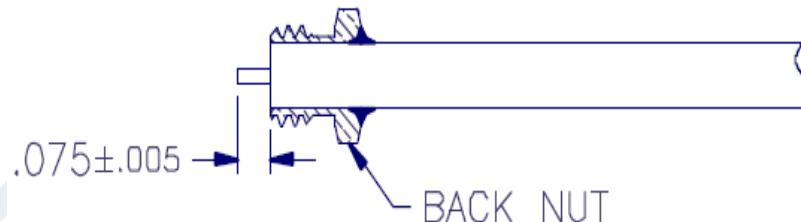
PE45371

Assembly Instruction

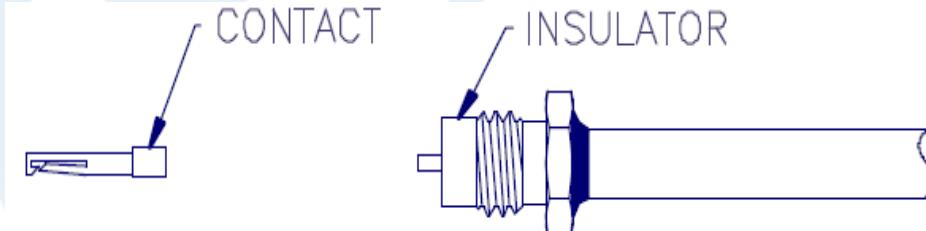
Assembly Instructions



1. TRIM CABLE JACKET ONLY, AS SHOWN ABOVE.



2. SLIDE BACK NUT ONTO CABLE UNTIL TRIMMED END OF JACKET IS FLUSH WITH FRONT OF NUT. SOLDER NUT TO CABLE.
3. TRIM DIELECTRIC AS SHOWN.



4. INSTALL INSULATOR OVER CABLE CENTER CONDUCTOR.
5. SOLDER CONTACT TO CENTER CONDUCTOR.
6. INSERT CABLE ASSEMBLY INTO CONNECTOR BODY AND TIGHTEN TO 35-45 INCH-OUNCES TORQUE.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMC Jack Connector Clamp/Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL PE45371](#)



SSMC Jack Connector Clamp/Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL

RF Connectors Technical Data Sheet

PE45371

SSMC Jack Connector Clamp/Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL 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.

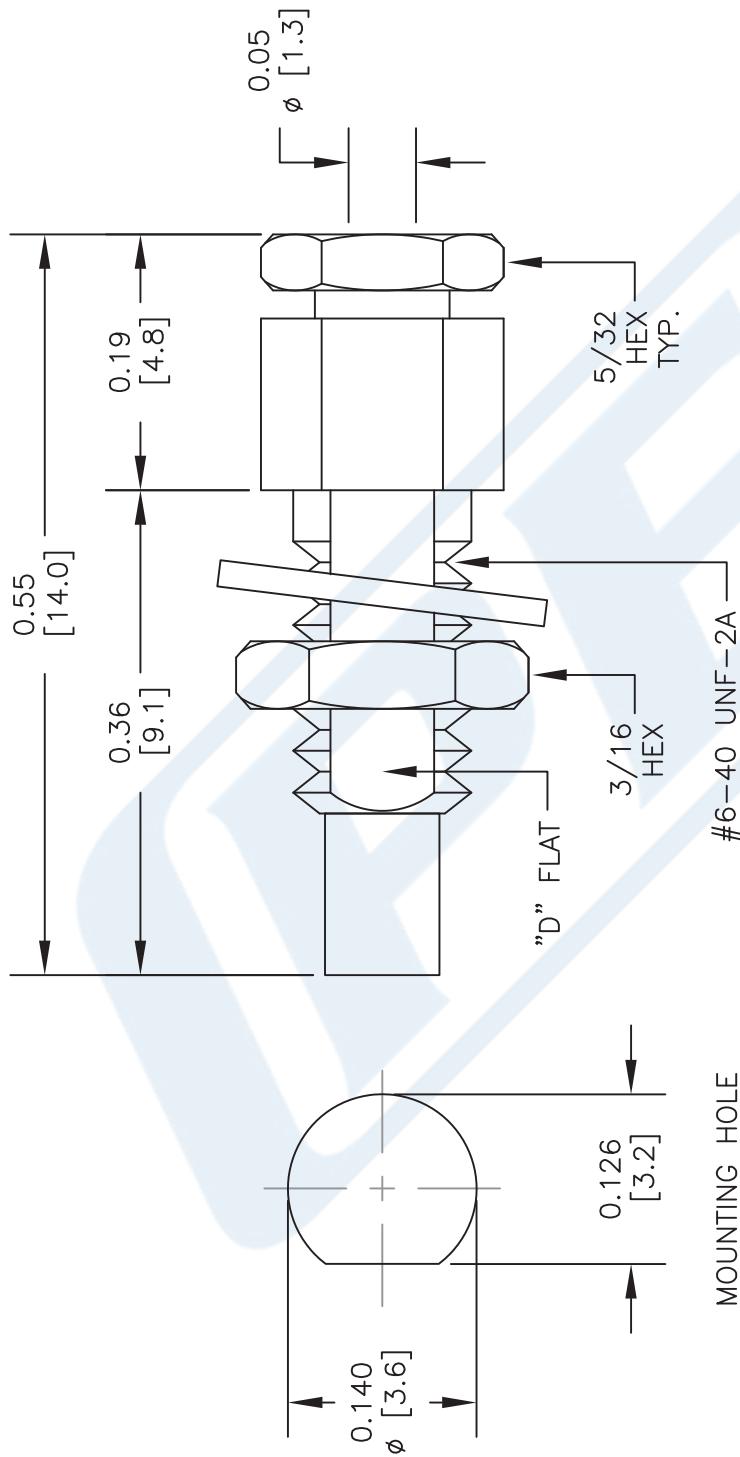
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMC Jack Connector Clamp/Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL PE45371](#)

URL: <https://www.pasternack.com/ssmc-jack-pe-047sr-pe-sr047al-pe-sr047fl-connector-pe45371-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.

PE45371 CAD Drawing

SSMC Jack Connector Clamp/Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL



STANDARD TOLERANCES		
.X	± 0.2	
.XX	± 0.1	
.XXX	± 0.05	

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE	PE45371
CAGE CODE	53919

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].

2.92mm Male Connector Clamp/Solder Attachment for PE-SR047FL, PE-SR047AL, PE-047SR



RF Connectors Technical Data Sheet

PE44797

Configuration

- 2.92mm Male Connector
- 50 Ohms
- Straight Body Geometry

- PE-SR047FL, PE-SR047AL, PE-047SR Interface Type
- Clamp/Solder Attachment
- 5/16 inch Hex

Features

- Max. Operating Frequency 40 GHz
- Good VSWR of 1.35:1

- Gold over Nickel Plated Beryllium Copper Contact
- 50 μ in minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44797 2.92mm male connector with clamp/solder attachment for PE-SR047FL, PE-SR047AL and PE-047SR is part of our full line of RF components available for same-day shipping. Our 2.92mm male connector operates up to a maximum frequency of 40 GHz and offers good VSWR of 1.35:1.

Our 2.92mm male connector PE44797 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		40	GHz
VSWR			1.35:1	

Mechanical Specifications

Size

Length
Width/Dia.

0.46 in [11.68 mm]
0.35 in [8.89 mm]

Weight

0.01 lbs [4.54 g]

Mating Torque

8 to 10 in-lbs [0.90 to 1.13 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male Connector Clamp/Solder Attachment for PE-SR047FL, PE-SR047AL, PE-047SR PE44797](#)

2.92mm Male Connector Clamp/Solder Attachment
 for PE-SR047FL, PE-SR047AL, PE-047SR


RF Connectors Technical Data Sheet

PE44797

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel 50 μ in minimum
Insulation	PEI	
Body	Passivated Stainless Steel	SAE-AMS-2700
Coupling Nut	Passivated Stainless Steel	SAE-AMS-2700

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

Plotted and Other Data

Notes:

2.92mm Male Connector Clamp/Solder Attachment for PE-SR047FL, PE-SR047AL, PE-047SR 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.

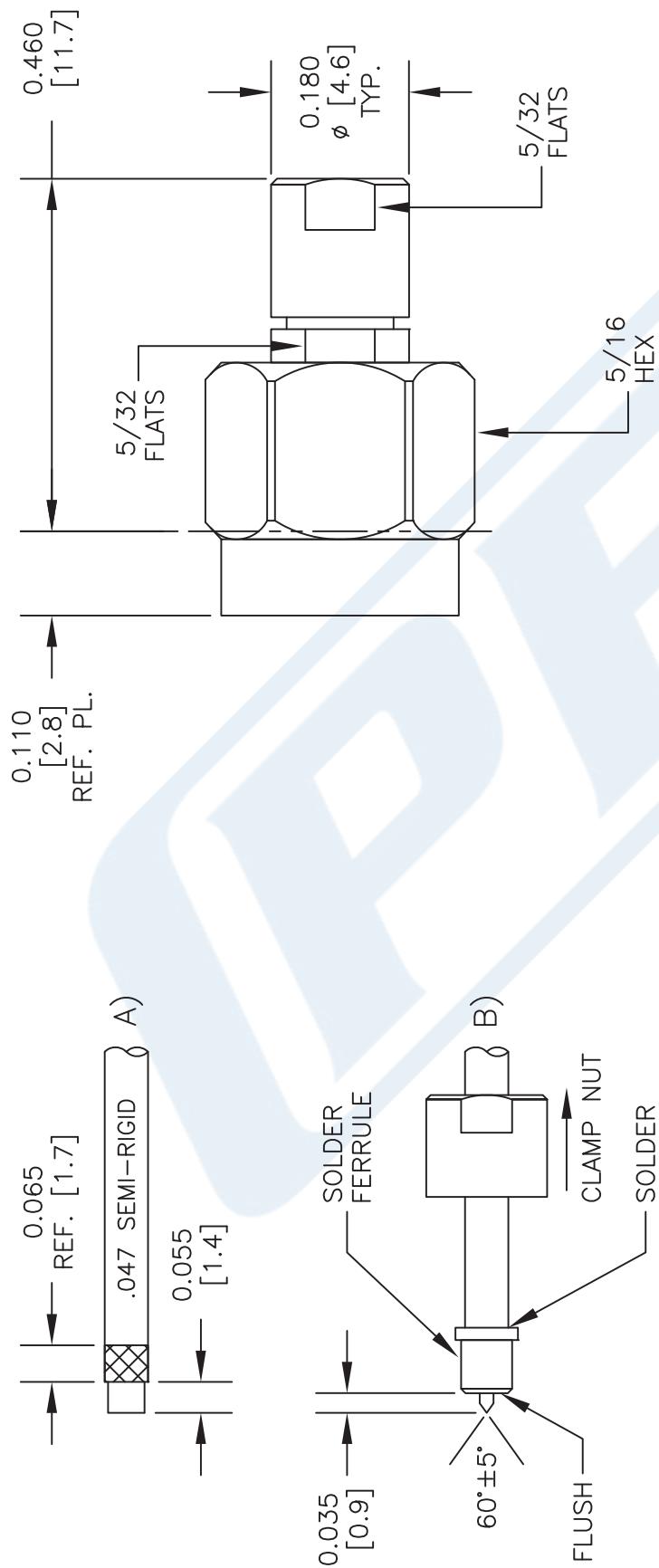
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male Connector Clamp/Solder Attachment for PE-SR047FL, PE-SR047AL, PE-047SR PE44797](#)

URL: <https://www.pasternack.com/2.92mm-male-standard-pe-sr047fl-pe-sr047al-pe-047sr-connector-pe44797-p.aspx>

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PE44797 CAD Drawing

2.92mm Male Connector Clamp/Solder Attachment for PE-SR047FL, PE-SR047AL, PE-047SR



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN IN (A). DO NOT NICK DIELECTRIC.
2. PRE-TIN CABLE JACKET TO APPROXIMATE DIMENSION AS SHOWN IN (A).
3. INSERT CABLE THRU ADAPTER UNTIL IT BOTTOMS OUT. SOLDER OUTER CONDUCTOR TO ADAPTER & TRIM DIELECTRIC AS SHOWN IN (B).
4. SCREW ASSEMBLY INTO BODY & TIGHTEN NUT.

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PE44797

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3. DIMENSIONS ARE IN INCHES [mm].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

FSCM NO.	CAD FILE	SCALE N/A	SIZE A	2233
53919	042313			

047 Semi-rigid Coax Cable with Copper Outer Conductor

TECHNICAL DATA SHEET

PE-047SR

Configuration

Inner Conductor Material and Plating
 Dielectric Type
 Shield Materials

Copper Clad Steel, Silver
 PTFE
 Copper

Electrical Specifications

Impedance, Ohms
 Maximum Operating Frequency, GHz
 Dielectric Withstanding Voltage, Vrms

50
 40
 2,000

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz
 Attenuation, dB/100ft [dB/100m]
 Power Handling, Watts

1000
 40 [131.23]
 32

Frequency 2

Frequency, GHz
 Attenuation, dB/100ft [dB/100m]
 Power Handling, Watts

10
 130 [426.51]
 9

Frequency 3

Frequency, GHz
 Attenuation, dB/100ft [dB/100m]
 Power Handling, Watts

20
 190 [623.36]
 6.5

Mechanical Specifications

Temperature

Operating Range, deg C

-55 to +100

Inner Conductor

Number of Strands
 Material
 Plating
 Diameter, in [mm]

1
 Copper Clad Steel
 Silver
 0.011 [0.28]

Dielectric:

Type
 Diameter, in [mm]

PTFE
 0.037 [0.94]

Shield:

Number of
 Material 1
 Diameter, in [mm]

1
 Copper
 0.047 [1.19]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [047 Semi-rigid Coax Cable with Copper Outer Conductor PE-047SR](#)

047 Semi-rigid Coax Cable with Copper Outer Conductor

TECHNICAL DATA SHEET

PE-047SR

Jacket:

Diameter, in [mm]	0.047 [1.19]
One Time Minimum Bend Radius, in [mm]	0.05 [1.27]
Weight, lbs/ft [Kg/m]	0.005 [0.01]

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant
REACH Compliant

12/19/2011

Plotted and Other Data

Notes:
• Values at +25 °C, sea level

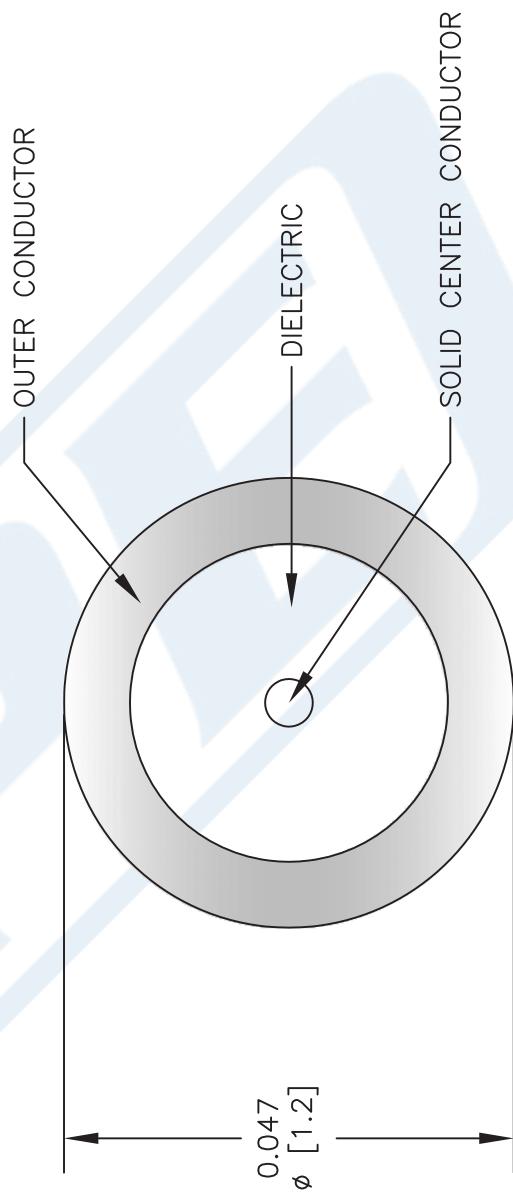
047 Semi-rigid Coax Cable with Copper Outer Conductor from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [047 Semi-rigid Coax Cable with Copper Outer Conductor PE-047SR](http://www.pasternack.com/semirigid-0.047-50-ohm-coax-cable-copper-pe-047sr-p.aspx)

URL: <http://www.pasternack.com/semirigid-0.047-50-ohm-coax-cable-copper-pe-047sr-p.aspx>

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PE-047SR



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DWG TITLE
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