



SSMC Plug Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

RF Connectors Technical Data Sheet

PE45365

Configuration

- SSMC Plug Connector
- 50 Ohms
- Straight Body Geometry
- PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 Interface Type
- Clamp/Solder Attachment

Features

- Max. Operating Frequency 12.4 GHz
- Good VSWR of 1.38:1
- 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 PE45365 SSMC plug connector with clamp/solder attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN and RG405 is part of our full line of RF components available for same-day shipping. Our SSMC plug connector operates up to a maximum frequency of 12.4 GHz and offers good VSWR of 1.38:1.

Our SSMC plug connector PE45365 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
VSWR			1.38:1	
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 Plug Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR-405FLJ, PE-SR405TN, RG405 PE45365](#)



SSMC Plug Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

RF Connectors Technical Data Sheet

PE45365

Mechanical Specifications

Size

Length

0.53 in [13.46 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	
Body	Beryllium Copper	Gold MIL-G-45204
Coupling Nut	Beryllium Copper	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 Plug Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR-405FLJ, PE-SR405TN, RG405 PE45365](#)



SSMC Plug Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

RF Connectors Technical Data Sheet

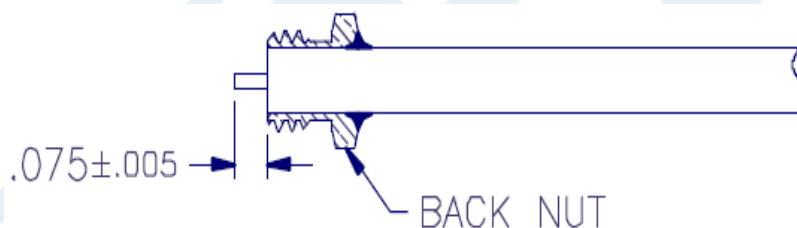
PE45365

Assembly Instruction

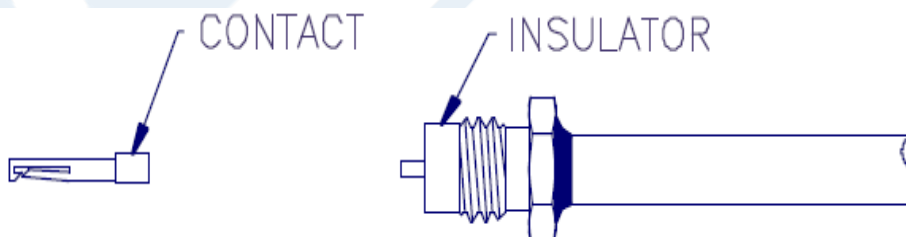
Assembly Instructions



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 Plug Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR-405FLJ, PE-SR405TN, RG405 PE45365](#)



SSMC Plug Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

RF Connectors Technical Data Sheet

PE45365

SSMC Plug Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 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.

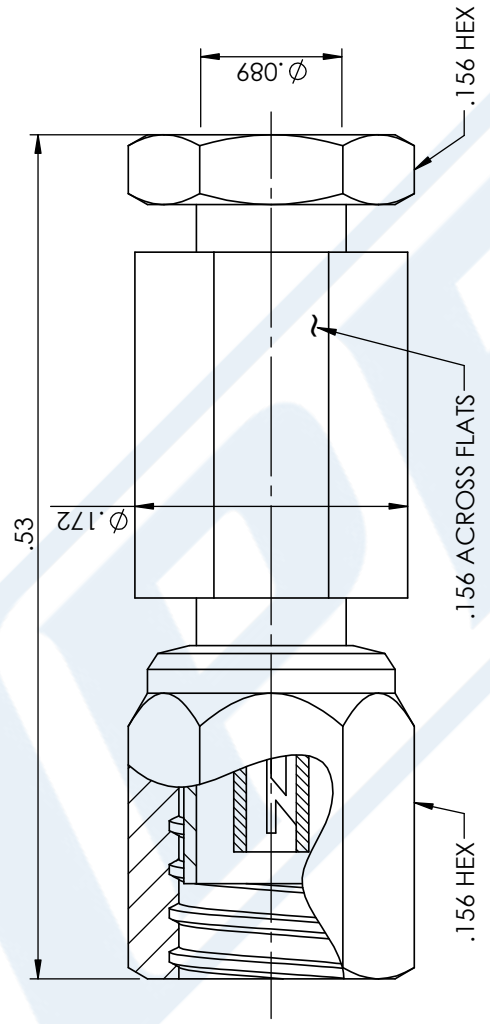
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMC Plug Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE45365](https://www.pasternack.com/ssmc-plug-pe-sr405al-pe-sr405fl-pe-sr405tn-rg405-connector-pe45365-p.aspx)

URL: <https://www.pasternack.com/ssmc-plug-pe-sr405al-pe-sr405fl-pe-sr405tn-rg405-connector-pe45365-p.aspx>

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PE45365 CAD Drawing

SSMC Plug Connector Clamp/Solder Attachment for PE-SR405AL,
PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

[PE]

PASTERNAK®
THE ENGINEER'S RF SOURCE

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DWG TITLE	PE45365
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].			
CAD FILE	052217	SCALE	N/A
SIZE	A		GF0006



SMP Female Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

RF Connectors Technical Data Sheet

PE44275

Configuration

- SMP Female Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

Features

- Max. Operating Frequency 12.4 GHz
- Good VSWR of 1.38:1
- Gold Plated Beryllium Copper Contact
- Blind Mate Connector

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44275 Right Angle, SMP, Standard, Connector is part of our full line of RF components available for same-day shipping. Our SMP female connector operates up to a maximum frequency of 12.4 GHz and offers good VSWR of 1.38:1. The Pasternack blind mate connector is ideal for applications where direct visual or tactile access to the connection point is not possible, for example, when two circuit boards need to be mated. Its right angle body geometry allows for easier connections in tight spaces.

Our SMP female right angle connector PE44275 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
VSWR			1.38:1	
Operating Voltage (AC)			335	Vrms
Impedance		50		Ohms
Test Voltage (AC)			500	Vrms
Inner Conductor DC Resistance			6	mOhms
Outer Conductor DC Resistance			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: [SMP Female Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE44275](#)



SMP Female Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

RF Connectors Technical Data Sheet

PE44275

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 6	6 to 12	12 to 26.5			GHz
VSWR, Max	1.11:1	1.23:1	1.38:1			

Electrical Specification Notes:
Insertion loss = 0.1 x sqrt(fGHz) dB max.

Mechanical Specifications

Size

Length	0.26 in [6.60 mm]
Width	0.19 in [4.83 mm]
Height	0.00 in [0.00 mm]
Weight	0.00 lbs [0.91 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	PTFE	
Body	Beryllium Copper	Gold

Mechanical Specification Notes:
Mating cycles: 1,000 (smooth bore), 500 (limited detent), 100 (full detent) minimum.

Environmental Specifications

Temperature

Operating Range	-65 to +155 deg C
Humidity	MIL-STD-202, Method 106
Shock	MIL-STD-202, Method 213, Condition A
Vibration	MIL-STD-202, Method 204, Condition B
Thermal Shock	MIL-STD-202, Method 107, Condition B

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

Plotted and Other Data

Notes:

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SMP Female Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

RF Connectors Technical Data Sheet

PE44275

SMP Female Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 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.

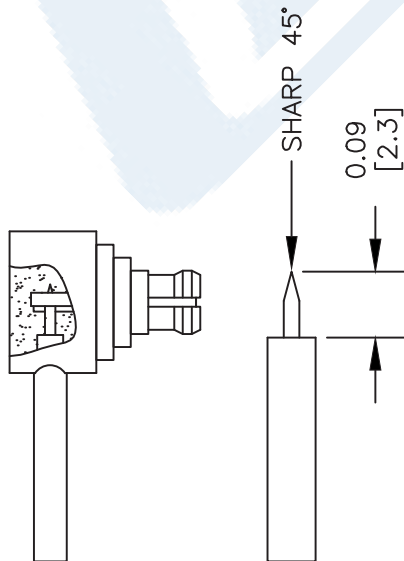
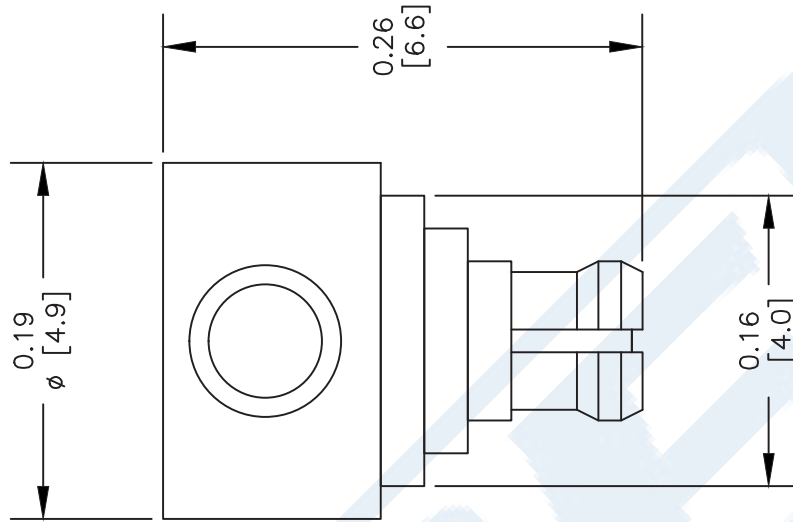
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URL: <https://www.pasternack.com/smp-female-standard-pe-sr405al-pe-sr405fl-rg405-connector-pe44275-p.aspx>

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PE44275 CAD Drawing

SMP Female Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & SHARP CENTER CONDUCTOR.
2. INSERT CABLE INTO BODY UNTIL IT SITS IN PLACE. SOLDER CENTER CONDUCTOR IN PLACE.
3. SOLDER OUTER CONDUCTOR TO BODY. PRESS DOWN CAP.

DWG TITLE

PE44275

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.

REV. A

FSCM NO. 53919

CAD FILE 022912

SCALE N/A

SIZE A

2233



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086 Semi-rigid Coax Cable with Copper Outer Conductor

TECHNICAL DATA SHEET

RG405/U

086 Semi-rigid Coax Cable with Copper Outer Conductor

Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Copper
Jacket Material and Color	Tan

Electrical Specifications

Impedance, Ohms	50
Maximum Operating Frequency, GHz	40
Dielectric Withstanding Voltage, Vrms	5,000

Electrical Specifications by Frequency**Frequency 1**

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	22 [72.18]
Power Handling, Watts	130

Frequency 2

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	80 [262.47]
Power Handling, Watts	35

Frequency 3

Frequency, GHz	20
Attenuation, dB/100ft [dB/100m]	120 [393.7]
Power Handling, Watts	20

Mechanical Specifications**Temperature**

Operating Range, deg C	-55 to +125
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Inner Conductor

Number of Strands	1
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.02 [0.51]

Dielectric:

Type	PTFE
Diameter, in [mm]	0.066 [1.68]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [086 Semi-rigid Coax Cable with Copper Outer Conductor RG405/U](#)

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086 Semi-rigid Coax Cable with Copper Outer Conductor

TECHNICAL DATA SHEET

RG405/U

Shield:

Number of	1
Material 1	Copper
Diameter, in [mm]	0.087 [2.21]

Jacket:

Color	Tan
One Time Minimum Bend Radius, in [mm]	0.05 [1.27]
Weight, lbs/ft [Kg/m]	0.015 [0.02]

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

RoHS Compliant	Yes
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Plotted and Other Data

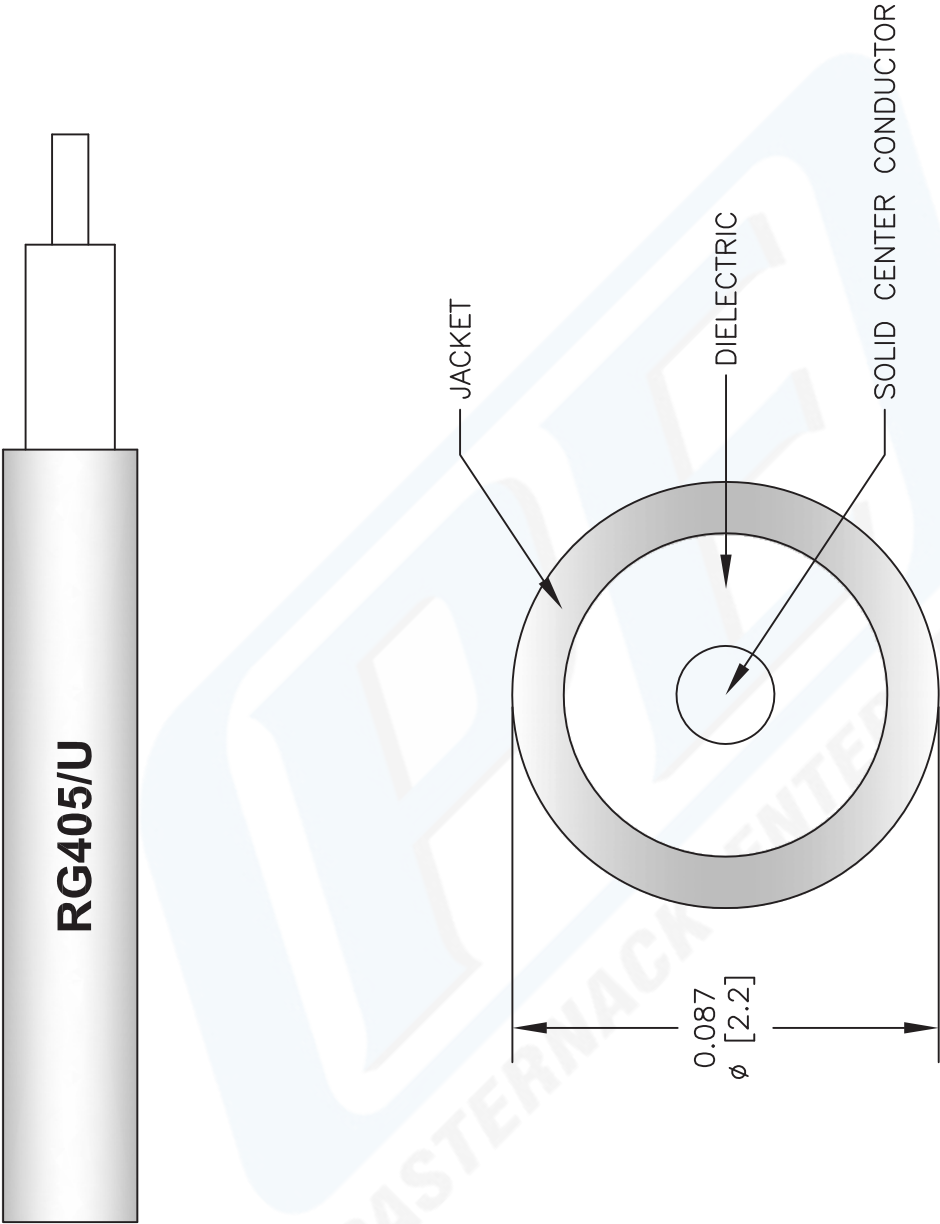
Notes:	Values at 25 °C, sea level
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086 Semi-rigid Coax Cable with Copper Outer Conductor from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability 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: [086 Semi-rigid Coax Cable with Copper Outer Conductor RG405/U](#)

URL: <http://www.pasternack.com/semirigid-0.085-rg405-50-ohm-coax-cable-copper-rg405-u-p.aspx>

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DWG TITLE
RG405/U

FSCM NO. 53919

2233

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