

N Male Right Angle Precision Connector Solder Attachment For FM-SR086ALTN, FM-SR086TBJ, FM-SR086TB, RG405

RA type N male connector with solder/solder attachment for FM-SR086ALTN, FM-SR086TBJ, FM-SR086TB and RG405, part number FMCN1904, from Fairview Microwave is in-stock and ships same day. This type N male connector operates up to a maximum frequency of 11 GHz. Its right angle body geometry facilitates connections in tight spaces.

Fairview's RA type N male connector FMCN1904 datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		11	GHz

Mechanical Specifications

Size	
Length	1.14 in [28.96 mm]
Width/Dia.	0.79 in [20.07 mm]
Height	0.79 in [20.07 mm]
Weight	0.075 lbs [34.02 g]

Material Specifications

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

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

Plotted and Other Data

Notes:



Configuration:

- N Male Connector
- 50 Ohms
- Right Angle Body Geometry
- FM-SR086ALTN, FM-SR086TBJ, FM-SR086TB, RG405 Interface Type
- Solder/Solder Attachment
- Precision Design

Features:

- Operating Frequency of 11 GHz Max.
- Gold Plated Brass Contact

Applications:

- General Purpose Test
- Precision Test & Measurement
- Custom Cable Assemblies

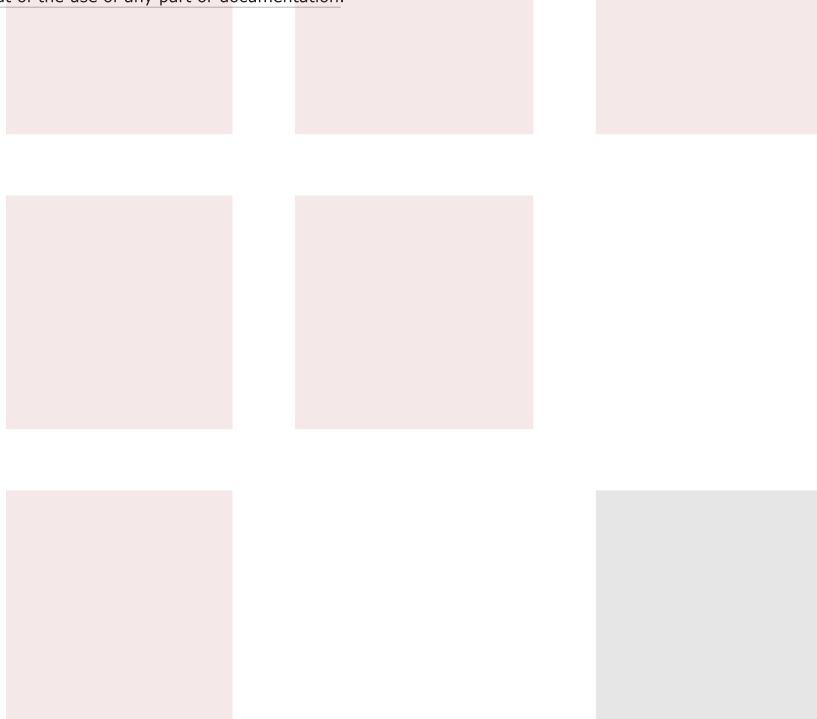
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N Male Right Angle Precision Connector Solder Attachment For FM-SR086ALTN, FM-SR086TBJ, FM-SR086TB, RG405 from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

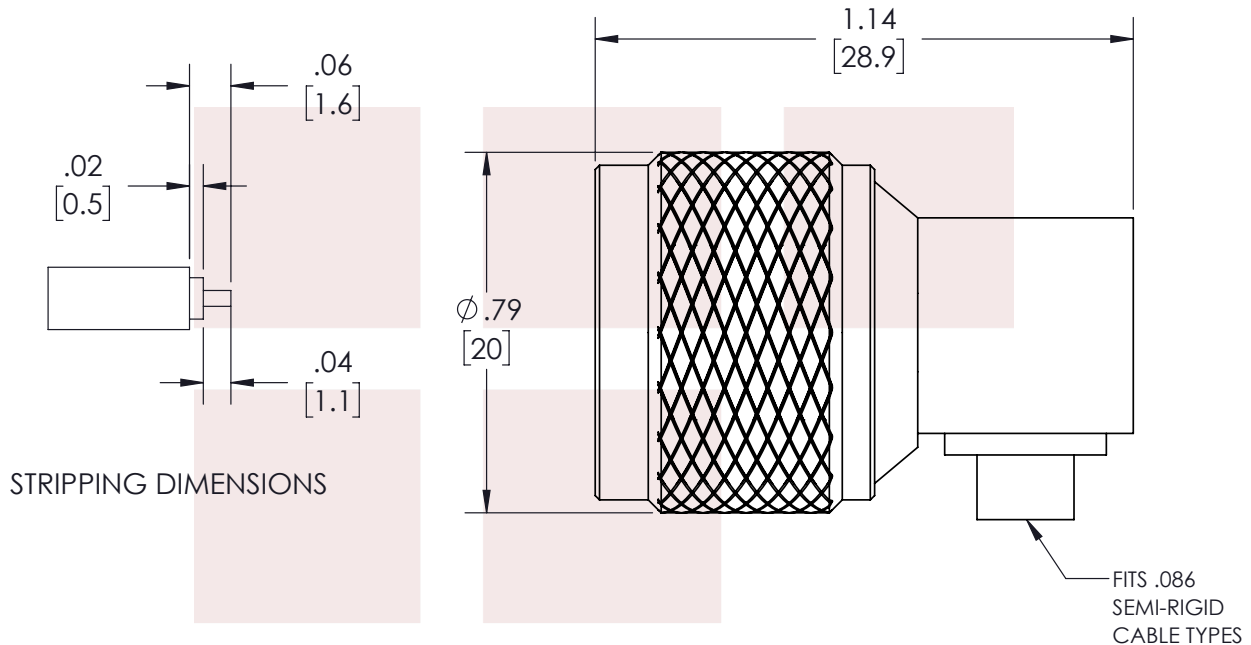
For additional information on this product, please click the following link: [N Male Right Angle Precision Connector Solder Attachment For FM-SR086ALTN, FM-SR086TBJ, FM-SR086TB, RG405 FMCN1904](#)

URL: <https://www.fairviewmicrowave.com/n-male-standard-pe-sr405al-pe-sr405fl-pe-sr405flj-connector-fmcn1904-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	06/07/22	AGANWANI



ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & TIN CENTER CONDUCTOR.
2. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR BOTTOMS OUT. THE CENTER CONDUCTOR WILL PROTRUDE INTO CONTACT SLOT.
3. SOLDER CENTER CONDUCTOR INTO SLOT AND OUTER CONDUCTOR TO BODY. INSERT INSULATOR AND PRESS CAP INTO CONNECTOR BODY.

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TITLE

N Male Right Angle Precision Connector Solder Attachment For FM-SR086ALTN, FM-SR086TBJ, FM-SR086TB, RG405

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

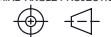
TOLERANCES:

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

CABLE LENGTH (L) TOLERANCES:

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

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	VTHANGARAJ	FMCN1904	A

T-Rev.D

N Female Precision Connector Solder Attachment For FM-SR086ALTN, FM-SR086TBJ, FM-SR086TB, RG405

Type N female connector with solder/solder attachment for FM-SR086ALTN, FM-SR086TBJ, FM-SR086TB and RG405, part number FMCN1905, from Fairview Microwave is in-stock and ships same day. This type N female connector operates up to a maximum frequency of 11 GHz.

Fairview's type N female connector FMCN1905 datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		11	GHz

Mechanical Specifications

Size	
Length	1.02 in [25.91 mm]
Width/Dia.	0.63 in [16.00 mm]
Height	0.63 in [16 mm]
Weight	0.055 lbs [24.95 g]

Material Specifications

Description	Material	Plating
Contact	Phosphor Bronze	Gold
Insulation	PTFE	
Body	Brass	Nickel

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

Plotted and Other Data

Notes:



Configuration:

- N Female Connector
- 50 Ohms
- Straight Body Geometry
- FM-SR086ALTN, FM-SR086TBJ, FM-SR086TB, RG405 Interface Type
- Solder/Solder Attachment
- Precision Design

Features:

- Operating Frequency of 11 GHz Max.
- Gold Plated Phosphor Bronze Contact

Applications:

- General Purpose Test
- Precision Test & Measurement
- Custom Cable Assemblies

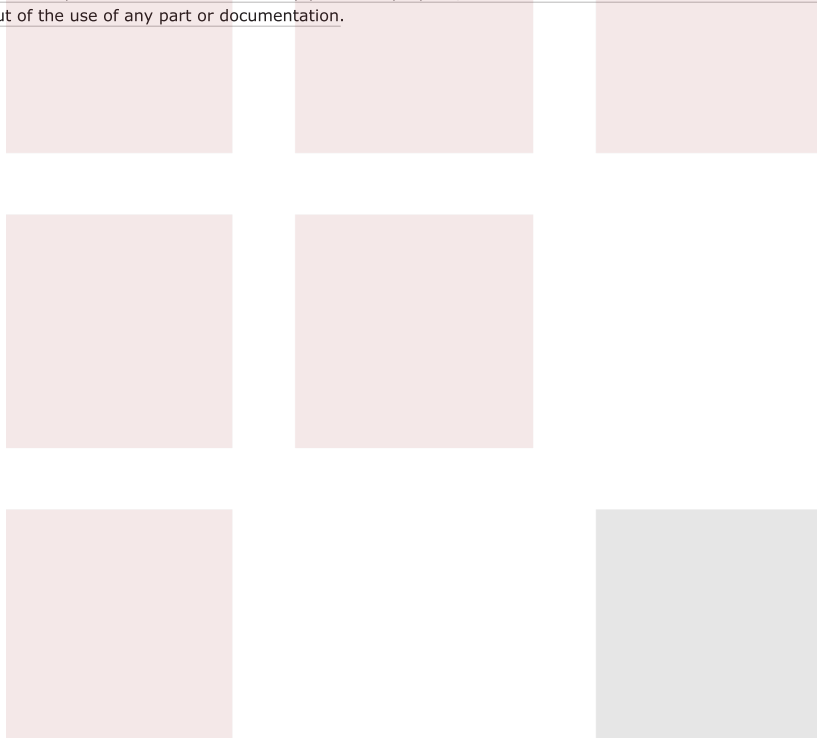
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N Female Precision Connector Solder Attachment For FM-SR086ALTN, FM-SR086TBJ, FM-SR086TB, RG405 from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

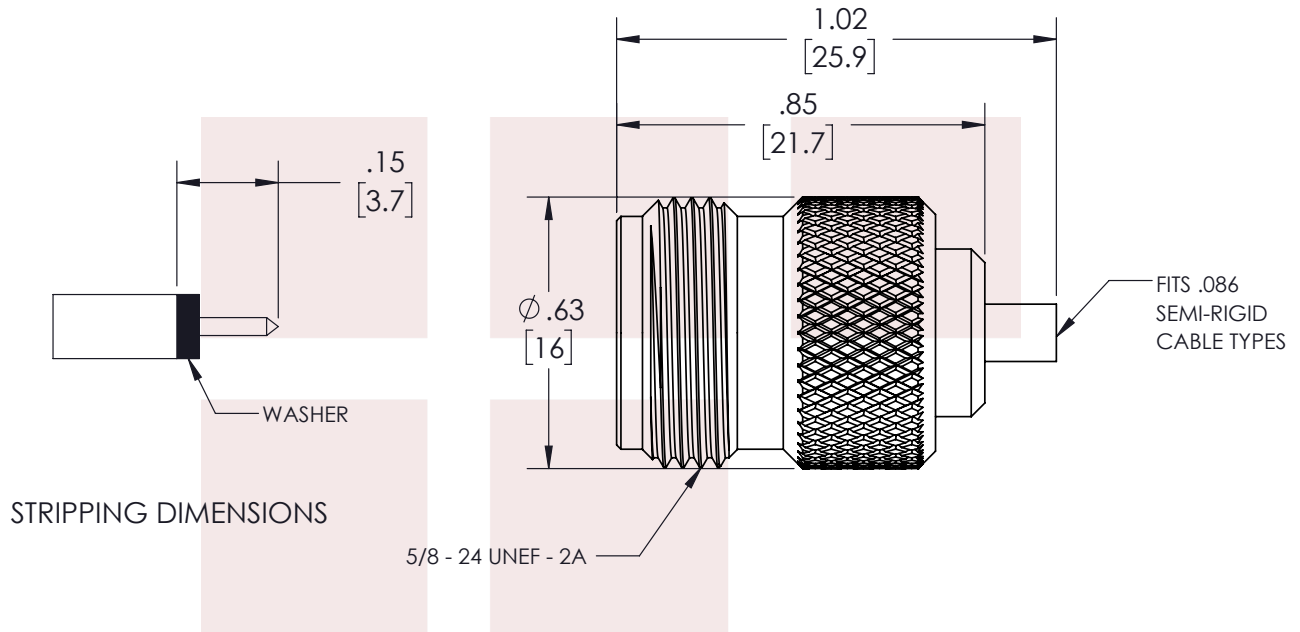
For additional information on this product, please click the following link: [N Female Precision Connector Solder Attachment For FM-SR086ALTN, FM-SR086TBJ, FM-SR086TB, RG405 FMCN1905](#)

URL: <https://www.fairviewmicrowave.com/n-female-standard-pe-sr405al-pe-sr405fl-pe-sr405flj-connector-fmcn1905-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	06/07/22	AGANWANI



ASSEMBLY PROCEDURES

1. TRIM CABLE JACKET & DIELECTRIC TO DIMENSIONS AS SHOWN. POINT CENTER CONDUCTOR.
2. PLACE WASHER THROUGH CENTER CONDUCTOR.
3. INSERT CABLE INTO BODY UNTIL BOTTOMS OUT. SOLDER OUTER CONDUCTOR TO BODY.

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TITLE

N Female Precision Connector Solder Attachment For
FM-SR086ALTN, FM-SR086TBJ, FM-SR086TB, RG405

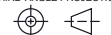
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TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X = ±.2 [5.08]	FRACTIONS	L ≤ 12 [305] = +1 [25] / -0
.XX = ±.02 [.51]	± 1/32	12 [305] < L ≤ 60 [1524] = +2 [51] / -0
.XXX = ±.005 [.13]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
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SHEET 1 OF 1

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY VTHANGARAJ	ITEM NO. FMCN1905	REV A
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T-Rev.D

RG405 Type .086 Semi-Rigid Coax Cable with a Bare Copper Outer Conductor in Coiled Sections

.086 diameter semi-rigid coaxial cable is the cable of choice for many RF and Microwave engineers. .086 cables sometimes referred to as RG405 based on the mil specification for semi-rigid cable of this diameter has a maximum operating frequency of 40 GHz. This form factor is widely used in the RF industry and many connector series and configurations are available for this cable. Because of the solid copper wall design the cable can be formed using proper tooling with a minimum inside bend radius of .12 inches.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		40	GHz
Impedance		50		Ohms
DWV (AC)			5,000	Vrms

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	1	10	20			GHz
Attenuation, Typ	22 72.18	80 262.47	120 393.7			dB/100ft dB/100m
Power In (CW), Max	130	35	20			Watts

Mechanical Specifications

Min. Bend Radius (Installation) 0.12 in [3.05 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver	0.02 in [0.51 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.066 in [1.68 mm]
Outer Conductor	Copper, Bare	0.087 in [2.21 mm]
Jacket	Tan	

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

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

RoHS Compliant Yes
 REACH Compliant 12/17/2014

Configuration:

- Semi-Rigid Cable

Features:

- Silver Plated Copper Clad Steel center conductor
- PTFE dielectric material
- Bare Copper Outer Conductor
- Operating to 40 GHz
- Minimum inside bend radius of .12 inches
- ROHS compliant

Applications:

- RF and Microwave Cable Assemblies to 40 GHz
- Preformed cable assemblies to insure fit and layout
- Test Equipment port jumpers

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Plotted and Other Data

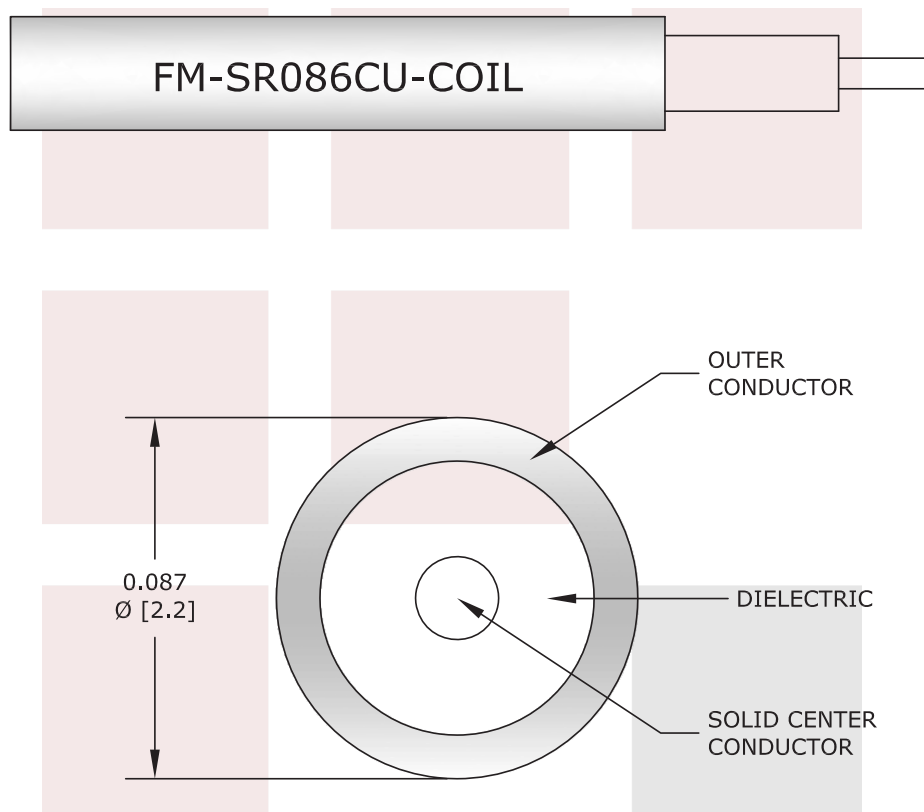
Notes:

RG405 Type .086 Semi-Rigid Coax Cable with a Bare Copper Outer Conductor in Coiled Sections from Fairview Microwave 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 to obtain additional part information: [RG405 Type .086 Semi-Rigid Coax Cable with a Bare Copper Outer Conductor in Coiled Sections FM-SR086CU-COIL](#)

URL: <http://www.fairviewmicrowave.com/rg405-type-.086-semi-rigid-coax-cable-copper-fm-sr086cu-coil-p.aspx>

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TITLE RG405 Type .086 Semi-Rigid Coax Cable with a Bare Copper Outer Conductor in Coiled Sections		DWG NO		CAGE CODE	
		FM-SR086CU-COIL		3FKR5	
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				SIZE	A
					2233