

## 7/16 DIN Male Connector Crimp/Solder Attachment For 0.400 inch, LMR-400, LMR-400-DB, LMR-400-UF Cable

7/16 DIN male connector with crimp/solder attachment for 0.400 inch, LMR-400, LMR-400-DB and LMR-400-UF, part number SC4947, from Fairview Microwave is in-stock and ships same day. This 7/16 DIN male connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.2:1.

Fairview's 7/16 DIN male connector SC4947 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		6	GHz
VSWR			1.2:1	

### Mechanical Specifications

Size	
Length	1.5 in [38.1 mm]
Weight	0.00044 lbs [0.2 g]

### Material Specifications

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

### Environmental Specifications

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

### Plotted and Other Data

Notes:



### Configuration:

- 7/16 DIN Male Connector
- IEC 169-4
- 50 Ohms
- Straight Body Geometry
- 0.400 inch, LMR-400, LMR-400-DB, LMR-400-UF Interface Type
- Crimp/Solder Attachment

### Features:

- Operating Frequency of 6 GHz Max.
- Excellent VSWR of 1.2:1
- Silver Plated Brass Contact

### Applications:

- General Purpose Test
- Custom Cable Assemblies

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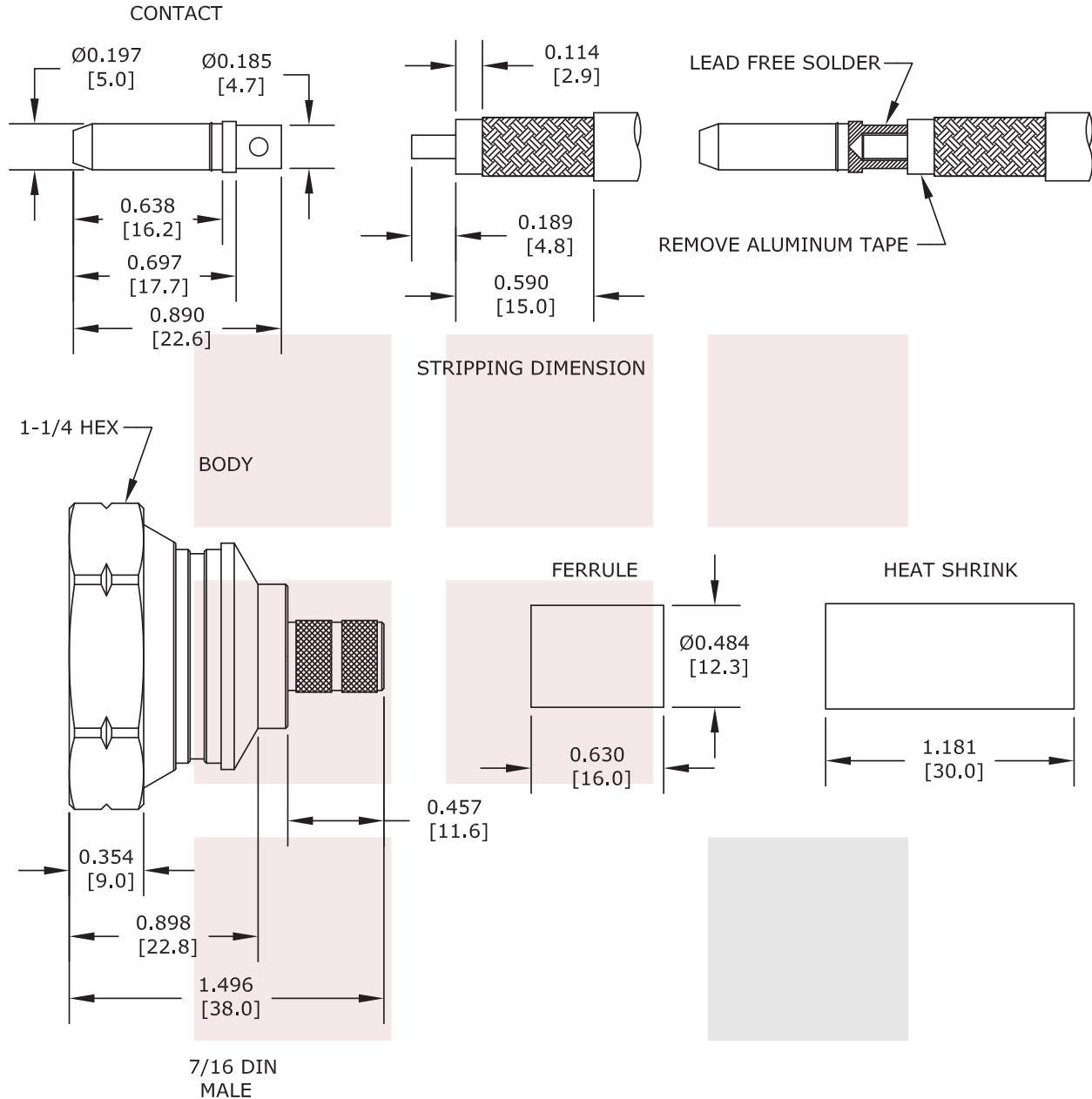
7/16 DIN Male Connector Crimp/Solder Attachment For 0.400 inch, LMR-400, LMR-400-DB, LMR-400-UF Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [7/16 DIN Male Connector Crimp/Solder Attachment For 0.400 inch, LMR-400, LMR-400-DB, LMR-400-UF Cable SC4947](#)

URL: <https://www.fairviewmicrowave.com/7-16-male-standard-lmr-400-connector-sc4947-p.aspx>

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

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

**FAIRVIEW MICROWAVE INC.**  
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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].

TITLE  
7/16 DIN Male Connector Crimp/Solder Attachment  
For 0.400 inch, LMR-400, LMR-400-DB, LMR-400-UF  
Cable

DWG NO	SC4947			CAGE CODE	3FKR5	
CAD FILE	121316	SHEET	SCALE	N/A	SIZE	A 41742

## SMA Male (Plug) Connector For LMR-400 Cable, Crimp/Solder

### Times Microwave Systems Connector Specification

SMA male connector with crimp/solder attachment for LMR-400, part number TC-400-SM-X, from Fairview Microwave is in-stock and ships same day. This SMA male connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.22:1.

Fairview's SMA male connector TC-400-SM-X 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		6	GHz
VSWR			1.22:1	
Operating Voltage (AC)			335	Vrms
DWV (DC)			500	Vdc
Inner Cond. DC Resistance			3	mOhms
Outer Cond. DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms

### Mechanical Specifications

<b>Size</b>	
Length	1.23 in [31.24 mm]
Width/Dia.	0.5 in [12.70 mm]
Height	0.5 in [12.7 mm]
Weight	0.051 lbs [23.13 g]
Mating Cycles	500 Cycles
Mating Torque	7 to 10 in-lbs [0.79 to 1.13 Nm]

### Material Specifications

Description	Material	Plating
Contact	Brass	Gold 50µ" Minimum
Insulation	Teflon	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-55 to +125 deg C



### Configuration:

- SMA Male Connector
- 50 Ohms
- Straight Body Geometry
- LMR-400 Interface Type
- Crimp/Solder Attachment

### Features:

- Operating Frequency of 6 GHz Max.
- Excellent VSWR of 1.22:1
- Gold Plated Brass Contact
- 50µ" Minimum contact plating

### Applications:

- General Purpose Test
- Custom Cable Assemblies

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Humidity  
Shock  
Vibration

MIL-STD-202, Method 106  
MIL-STD-202, Method 213, Cond. I  
MIL-STD-202, Method 204, Cond. D

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

## Plotted and Other Data

Notes:

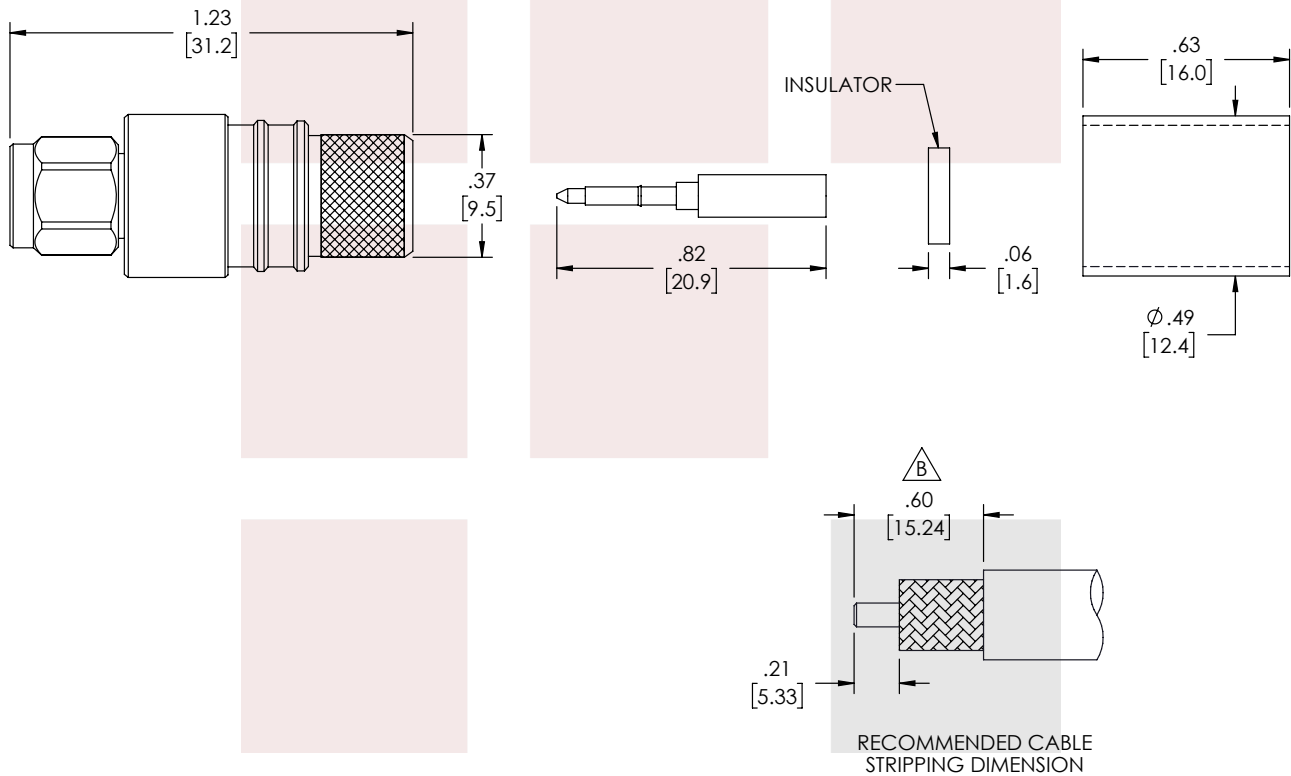
SMA Male (Plug) Connector For LMR-400 Cable, Crimp/Solder from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Male \(Plug\) Connector For LMR-400 Cable, Crimp/Solder TC-400-SM-X](#)

URL: <https://www.fairviewmicrowave.com/sma-male-lmr-400-connector-tc-400-sm-x-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	PCR TC-400-SM-X 20220513; UPDATE STRIPPING DIM	6/2/22	SRAUTUS



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TITLE

SMA Male (Plug) Connector For LMR-400 Cable,  
Crimp/Solder

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

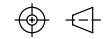
TOLERANCES:

.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	HBAKKE	TC-400-SM-X-FM	B

T-Rev.D

## TCOM-400 Low PIM Flexible Coax Cable Black PE Jacket

### Times Microwave Systems Coax Cable Specification

TCOM-400 low PIM coax cable from Fairview Microwave is only one of many radio frequency coaxial cable types specifically stocked to be ready for quick shipment. Fairview Microwave's TCOM-400 coax cable is manufactured in a flexible design and has a 50 Ohm impedance. This flexible 50 Ohm coax cable is constructed with a polyethylene jacket of 0.405-inch diameter. The maximum passive intermodulation of this low PIM cable is -155 dBc.

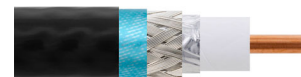
Fairview Microwave's TCOM-400 flexible coax cable with a polyethylene jacket is rated for a 10 GHz maximum operating frequency. This 50 Ohm flexible coax cable is built with a shield count of 2 and RF shielding of 100 dB. Our low PIM RF coaxial cable has a solid conductor of copper clad aluminum. This black-colored coax RF cable has a typical insertion loss/maximum attenuation of 15.7 dB/100ft at a frequency of 10 GHz.

The TCOM-400 coax cable with foam PE dielectric can operate at temperatures ranging from -40 to 85 degrees C. Additional specifications for this TCOM-400 double-shielded RF coaxial cable are on our downloadable PDF datasheet above. This coaxial cable features a dual shield of tinned copper braid over the silver plated copper braid. Our low PIM coaxial cable has a dielectric withstanding voltage of 2500 Vdc.

TCOM-400 low PIM RF cable is part of more than one million RF, microwave, and millimeter wave parts in stock at Fairview Microwave. This TCOM-400 coax cable is ready to buy and can be shipped worldwide. Fairview Microwave also maintains a wide selection of other radio frequency coaxial cable types that ship the same day from our Allen, TX warehouse in the United States, as with the rest of our other RF/microwave and millimeter wave components.

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		10	GHz
Impedance		50		Ohms
Velocity of Propagation		85		%
Time Delay		1.2 [3.94]		ns/ft [ns/m]
Shielding Effectiveness	100			dB
Passive Intermodulation			-155	dBc
DWV (DC)			2,500	Vdc
Jacket Spark			8,000	Vrms
Inner Conductor DC Resist.			1.39	Ohms/1000ft
Outer Conductor DC Resist.			1.47	Ohms/1000ft
Nominal Capacitance		23.9		pF/ft
		[78.41]		[pF/m]
Nominal Inductance		0.06		uH/ft
		[0.2]		[uH/m]
Input Power (Peak)			16	kWatts



### Configuration:

- Low PIM Flexible Cable
- 2 Shield(s)

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[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

**Performance by Frequency Band**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.15	0.22	0.45	0.9	1.5	GHz
Attenuation, Typ	1.6 5.25	2 6.56	2.9 9.51	4.2 13.78	5.4 17.72	dB/100ft dB/100m
Power In (CW), Max	1,380	1,130	780	540	410	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.8	2	2.5	5.8	10	GHz
Attenuation, Typ	6 19.69	6.4 21	7.2 23.62	11.5 37.73	15.7 51.51	dB/100ft dB/100m
Power In (CW), Max	370	350	310	190	140	Watts

**Mechanical Specifications**

Diameter	0.405 in [10.29 mm]
Weight	0.08 lbs/ft [0.12 kg/m]
Min. Bend Radius (Installation)	1 in [25.4 mm]
Min. Bend Radius (Repeated)	4 in [101.6 mm]
Bending Moment	0.5 lbs-ft [0.68 N-m]
Tensile Strength	160 lbs [72.57 kg]
Flat Plate Crush	40 lbs/in [0.71 kg/mm]

**Construction Specifications**

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Aluminum, 1 Strands	0.108 in [2.74 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.285 in [7.24 mm]
First Shield	Silver Plated Copper Braid	0.295 in [7.49 mm]
Second Shield	Tinned Copper Braid	0.33 in [8.38 mm]
Jacket	PE, Black	0.405 in [10.29 mm]

**Environmental Specifications**
**Temperature**

Operating Range	-40 to +85 deg C
Installation Range	-40 to +85 deg C
Storage Range	-70 to +85 deg C

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

**Plotted and Other Data**

Notes:



TCOM-400 Low PIM Flexible Coax Cable Black PE Jacket from Fairview Microwave 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 to obtain additional part information: [TCOM-400 Low PIM Flexible Coax Cable Black PE Jacket TCOM-400](#)

URL: <https://www.fairviewmicrowave.com/tcom400-low-pim-flexible-coax-cable-pe-jacket-tcom-400-p.aspx>

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