

## 7/16 DIN Female Low PIM Connector Solder Attachment for SPP-375-LLPL, SPO-375, SPF-375 Cable

### Times Microwave Systems Connector Specification

7/16 DIN female connector with solder/solder attachment for Times' SPP-375-LLPL, SPO-375 and SPF-375, part number TC-SPP375-716F-LP, from Times Microwave offered by Fairview Microwave is in-stock and ships same day. This 7/16 DIN female connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.25:1.

Times Microwave's 7/16 DIN female connector TC-SPP375-716F-LP 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			1.25:1	
Insertion Loss			0.25	dB
Operating Voltage (DC)			1,500	Vdc
Insulation Resistance	10,000			MOhms

Electrical Specification Notes:  
Insertion Loss is  $0.1 * \sqrt{f(\text{GHz})}$

### Mechanical Specifications

<b>Size</b>	
Length	1.5 in [38.1 mm]
Width/Dia.	1.14 in [28.96 mm]

### Material Specifications

Description	Material	Plating
Contact	Phosphor Bronze	Silver 200 µin
Insulation	PTFE	
Body	Brass	Tri-Metal 80 µin

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-55 to +85 deg C
Shock	US MIL-STD 202G
Vibration	US MIL-STD 202G



### Configuration:

- 7/16 DIN Female Connector
- 50 Ohms
- Straight Body Geometry
- SPP-375-LLPL, SPO-375, SPF-375 Interface Type
- Solder/Solder Attachment
- Low PIM Design

### Features:

- Operating Frequency of 6 GHz Max.
- Excellent VSWR of 1.25:1
- Silver Plated Phosphor Bronze Contact
- 200 µin contact plating

### Applications:

- General Purpose Test
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications
- Distributed Antenna Systems (DAS)

Fairview Microwave  
301 Leora Ln., Suite 100  
Lewisville, TX 75056  
Tel: 1-800-715-4396 / (972) 649-6678  
Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

Thermal Shock

US MIL-STD 202G

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

### Plotted and Other Data

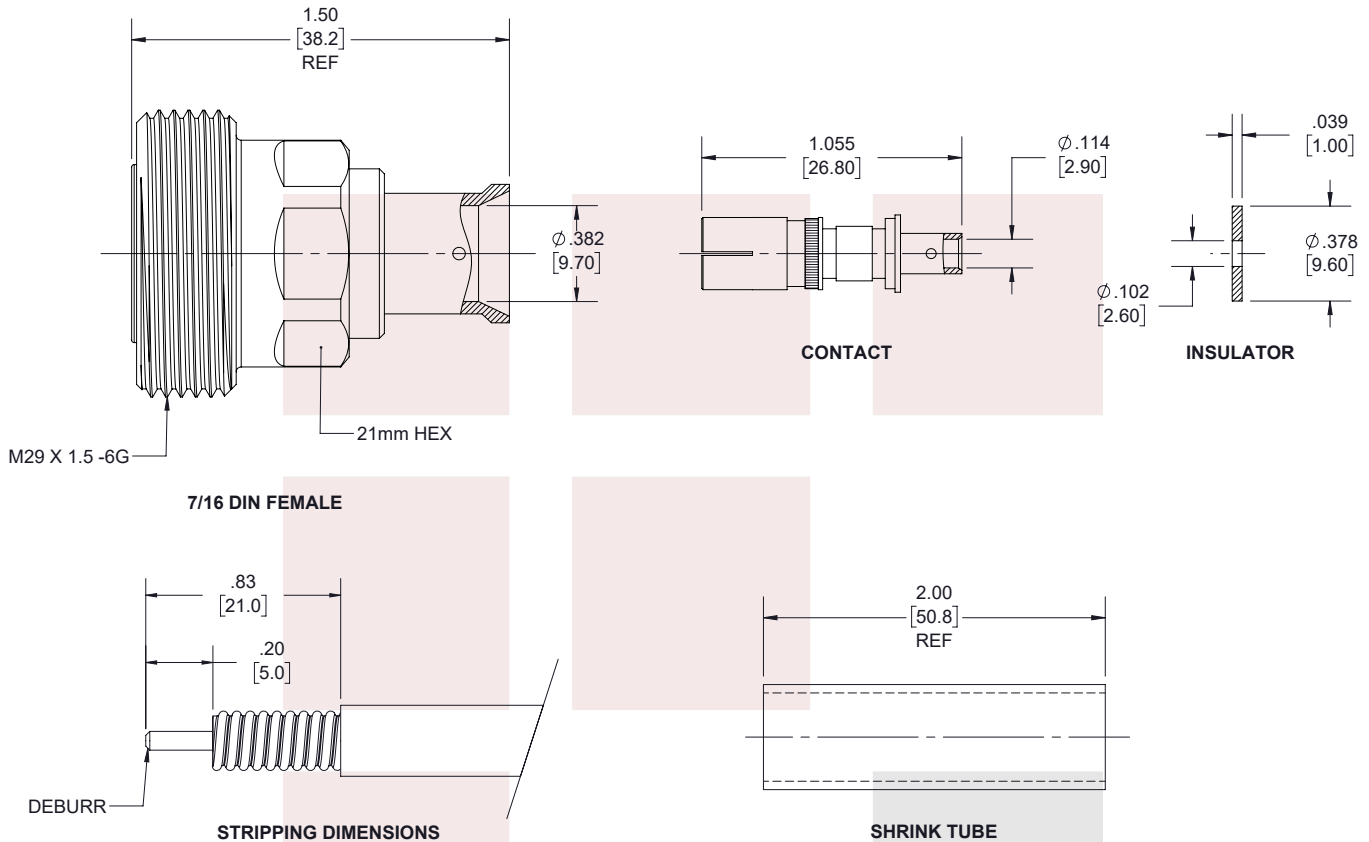
Notes:

7/16 DIN Female Low PIM Connector Solder Attachment for SPP-375-LLPL, SPO-375, SPF-375 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 Female Low PIM Connector Solder Attachment for SPP-375-LLPL, SPO-375, SPF-375 Cable TC-SPP375-716F-LP](#)

URL: <https://www.fairviewmicrowave.com/7-16-din-female-spp-375-llpl-spo-375-spf-375-connector-tc-spp375-716f-lp-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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



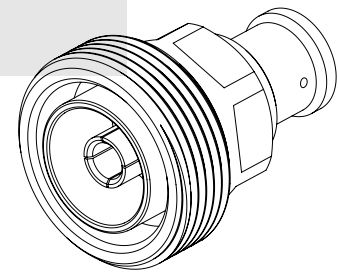
**NOTES:**

1. CABLE ATTACHMENT:
  - OUTER: SOLDER.
  - INNER: SOLDER.

**STANDARD TOLERANCES**

.X ±0.2  
.XX ±0.01  
.XXX ±0.005

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



<p><b>Fairview Microwave</b> an INFINIT<sup>®</sup> brand</p>		<p>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].</p>				
TITLE		DWG NO		CAGE CODE		
7/16 DIN Female Low PIM Connector Solder Attachment for SPP-375-LLPL, SPO-375, SPF-375 Cable		TC-SPP375-716F-LP		3FKR5		
CAD FILE	09/18/19	SHEET	1 OF 1	SCALE	N/A	SIZE A
						7361