



SMC Plug Connector Crimp/Solder Attachment for RG178, RG196

RF Connectors Technical Data Sheet

PE4074

Configuration

- SMC Plug Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG178, RG196
- 1/4 inch Hex

Features

- Max. Operating Frequency 6 GHz
- Gold Plated Beryllium Copper Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4074 SMC plug connector with crimp/solder attachment for RG178 and RG196 is part of our full line of RF components available for same-day shipping. Our SMC plug connector operates up to a maximum frequency of 6 GHz.

Our SMC plug connector PE4074 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		6	GHz
Operating Voltage (AC)			250	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 6					GHz
VSWR, Max	1.4:1					

Mechanical Specifications

Size

Length	0.85 in [21.59 mm]
Width/Dia.	0.25 in [6.35 mm]
Height	0 in [0 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMC Plug Connector Crimp/Solder Attachment for RG178, RG196 PE4074](#)



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Weight	0.011 lbs [4.99 g]
Mating Torque	1 in-lbs [0.11 Nm]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum

Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

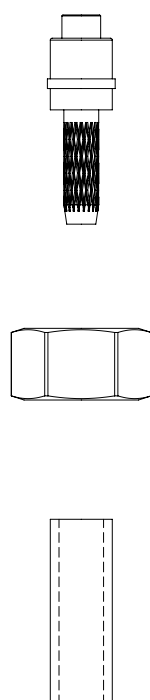
SMC Plug Connector Crimp/Solder Attachment for RG178, RG196 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMC Plug Connector Crimp/Solder Attachment for RG178, RG196 PE4074](#)

URL: <https://www.pasternack.com/smc-plug-standard-rg178-rg196-connector-pe4074-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.

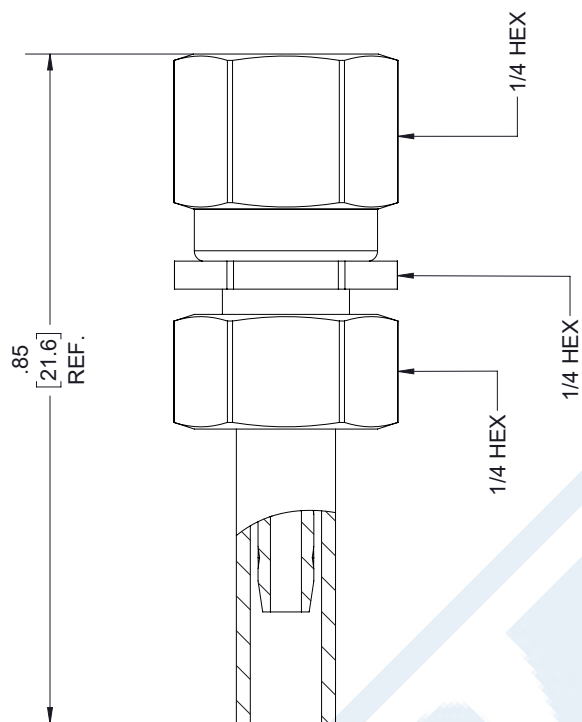
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	UPDATE WIRE STRIPPING DIMS	5/19/22	SRAUTUS



(1)

(2)

(3)



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.
TIN CENTER CONDUCTOR.
2. SLIDE FERRULE (1) & CLAMP NUT (2) OVER CABLE; FLAIR BRAID & SLIDE WEDGE ASSEMBLY (3) UNDER BRAID WITH CENTER CONDUCTOR PROTRUDING THROUGH HOLE IN INSULATOR.
SLIDE FERRULE (1) OVER BRAID & AGAINST CLAMP NUT.
3. SOLDER CONTACT TO CENTER CONDUCTOR. CLEAN. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN USING 3~5 IN-LBS TORQUE.

CRIMP SIZE REQUIRED

CONTACT: SOLDER

FERRULE: .100" HEX CRIMP TOOL

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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS				THIRD-ANGLE PROJECTION
 an INFINITI® brand Pasternack Enterprises, Inc. P.O.Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 Website: www.pasternack.com E-mail: sales@pasternack.com				
TOLERANCES:				
XX ± .02 [.51] FRACTIONS ± 1/32				
.XX ± .02 [.51] ANGLES ± °				
.XXX ± .005 [.13]				
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% / -0				
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY				
SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	SLI		B
				PE4074
SCALE		1 OF 1		N/A