SMC Plug Connector Crimp/Solder Attachment for PE-P195, PE-C195, RG58, RG141, RG303, 0.195 inch, LMR-195

RF Connectors Technical Data Sheet   PE4558

Configuration

- SMC Plug Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry

- PE-P195, PE-C195, RG58, RG141, RG303, 0.195 inch, LMR-195 Interface Type
- Crimp/Solder Attachment

Features

- Gold Plated Contact

- Contact plating according to MIL-G-45204

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4558 SMC plug connector with crimp/solder attachment for PE-P195, PE-C195, RG58, RG141, RG303, 0.195 inch and LMR-195 is part of our full line of RF components available for same-day shipping.

Our SMC plug connector PE4558 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.

Mechanical Specifications

Size

Length	1.19 in [30.23 mm]
Width/Dia.	0.25 in [6.35 mm]
Weight	0.012 lbs [5.44 g]

Material Specifications

Description	Material	Plating
Contact		Gold MIL-G-45204
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290

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 PE-P195, PE-C195, RG58, RG141, RG303, 0.195 inch, LMR-195 PE4558

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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SMC Plug Connector Crimp/Solder Attachment for PE-P195, PE-C195, RG58, RG141, RG303, 0.195 inch, LMR-195

RF Connectors Technical Data Sheet   PE4558

Compliance Certifications (see product page for current document)

Plotted and Other Data
  Notes:

SMC Plug Connector Crimp/Solder Attachment for PE-P195, PE-C195, RG58, RG141, RG303, 0.195 inch, LMR-195 from Pasternack Enterprises 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.
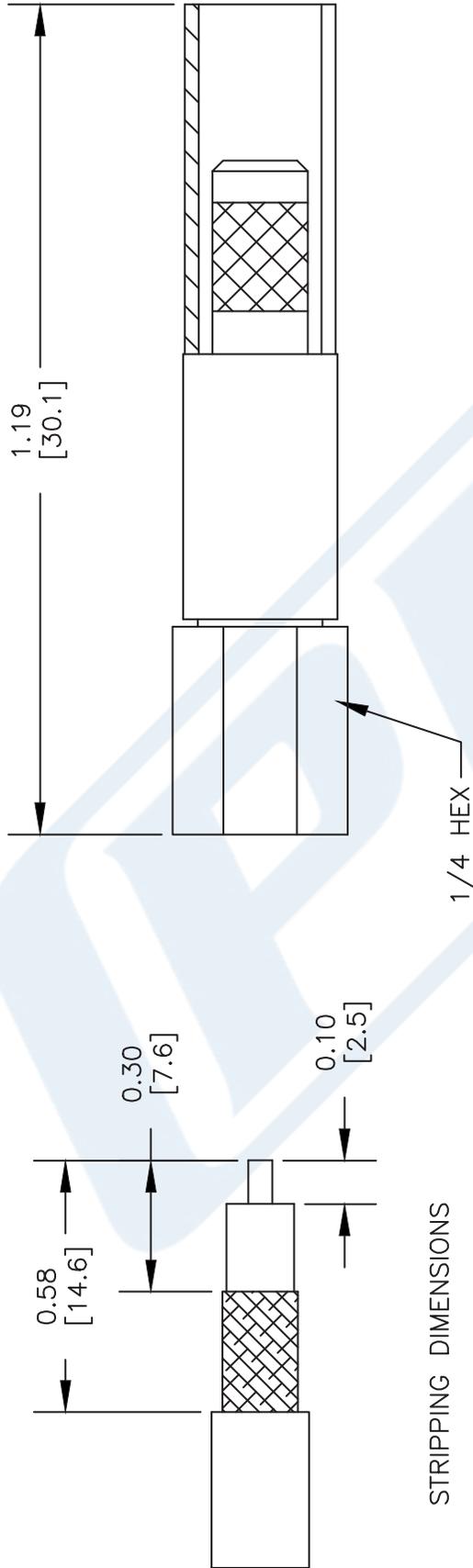
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMC Plug Connector Crimp/Solder Attachment for PE-P195, PE-C195, RG58, RG141, RG303, 0.195 inch, LMR-195 PE4558

URL: https://www.pasternack.com/smc-plug-standard-rg58-connector-pe4558-p.aspx

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PE4558 CAD Drawing
SMC Plug Connector Crimp/Solder Attachment for PE-P195, PE-C195, RG58, RG141, RG303, 0.195 inch, LMR-195

1.19
[30.1]

1/4 HEX

STRIPPING DIMENSIONS

0.30
[7.6]

0.10
[2.5]

0.58
[14.6]

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .213" HEX CRIMP TOOL

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.

DWG TITLE		
PE4558		

FSCM NO. 53919

CAD FILE 072406

SCALE N/A

SIZE A

127

PE

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PE4558 REV 1.1

SMB Plug Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch

RF Connectors Technical Data Sheet   PE4523

Configuration
- SMB Plug Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch Interface Type
- Crimp/Solder Attachment

Features
- Max. Operating Frequency 4 GHz
- Good VSWR of 1.3:1
- Gold Plated Beryllium Copper Contact
- 30 μin minimum contact plating

Applications
- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4523 SMB plug connector with crimp/solder attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195 and 0.195 inch is part of our full line of RF components available for same-day shipping. Our SMB plug connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.3:1.

Our SMB plug connector PE4523 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		4	GHz
VSWR			1.3:1	
Operating Voltage (AC)			335	Vrms

Mechanical Specifications

Size

Length	1.05 in [26.67 mm]
Width/Dia.	0.256 in [6.50 mm]
Weight	0.015 lbs [6.8 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMB Plug Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE4523

SMB Plug Connector Crimp/Solder Attachment for RG58,
RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch

RF Connectors Technical Data Sheet   PE4523

Material Specifications

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

Environmental Specifications
Temperature
Operating Range   -65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data
    Notes:

SMB Plug Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch from Pasternack Enterprises 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.
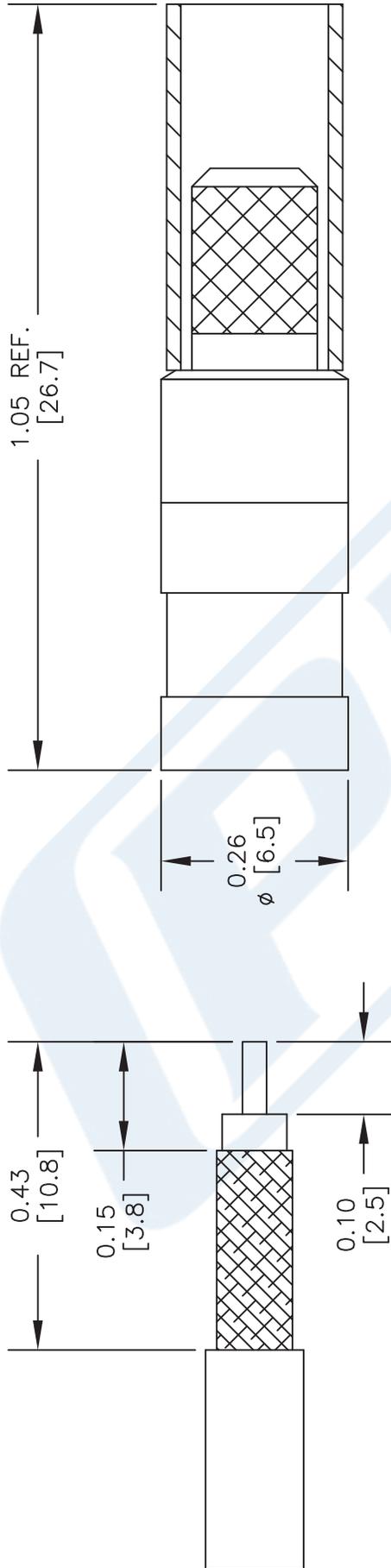
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMB Plug Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE4523

URL: https://www.pasternack.com/smb-plug-standard-rg58-connector-pe4523-p.aspx

PE4523 CAD Drawing

SMB Plug Connector Crimp/Solder Attachment for RG58, RG303,
RG141, PE-C195, PE-P195, LMR-195, 0.195 inch

1.05 REF. [26.7]

0.26 ø [6.5]

0.43 [10.8]

0.15 [3.8]

0.10 [2.5]

STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .213" HEX CRIMP TOOL

DWG TITLE					
PE4523					2233
	FSCM NO. 53919	CAD FILE 020812	SCALE N/A	SIZE A	
REV. A					

PE4523 REV 1.2

3

Flexible RG58 Coax Cable Single Shielded
with Black PVC (NC) Jacket

RF Cables Technical Data Sheet   RG58C/U

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5	GHz
Impedance		50		Ohms
Velocity of Propagation		65.9		%
Operating Voltage (AC)			1,900	Vrms
Nominal Capacitance		30.8 [101.05]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.01	0.1	1	5		GHz
Attenuation, Typ	1.4	4.9	20	60		dB/100ft
	4.59	16.08	65.62	196.85		dB/100m
Input Power (CW), Max			44			Watts

Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.025 lbs/ft [0.04 Kg/m]
Min. Bend Radius (Installation)	0.98 in [24.89 mm]
Min. Bend Radius (Repeated)	1.96 in [49.78 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Tin, 19 Strands	0.036 in [0.91 mm]
Conductor Type	Stranded	
Dielectric	PE	0.116 in [2.95 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket RG58C/U

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Flexible RG58 Coax Cable Single Shielded
with Black PVC (NC) Jacket

RF Cables Technical Data Sheet   RG58C/U

First Shield	Tinned Copper Braid	0.138 in [3.51 mm]
Jacket	PVC (NC), Black	0.195 in [4.95 mm]

Environmental Specifications
Temperature
Operating Range   -40 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data
Notes:

Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket 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: Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket RG58C/U

URL: https://www.pasternack.com/flexible-0.195-rg58-50-ohm-coax-cable-pvc-jacket-rg58c-u-p.aspx

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RG58C/U CAD Drawing

Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket

JACKET

OUTER SHIELD

DIELECTRIC

STRANDED CENTER CONDUCTOR

$\varnothing$ .195
[4.95]

SECTION VIEW

DWG TITLE

RG58C/U

CAGE CODE   **53919**

PE

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

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

RG58C/U REV 1.3