



## QN Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400, IP68

### RF Connectors Technical Data Sheet

PE44600

#### Configuration

- QN Male Connector
- 50 Ohms
- Right Angle Body Geometry
- RG55, RG141, RG142, RG223, RG400 Interface Type
- Crimp/Solder Attachment

#### Features

- Max. Operating Frequency 11 GHz
- Gold Plated Brass Contact
- IP68 0.3 bar (interface only)

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE44600 QN male right angle connector with crimp/solder attachment for RG55, RG141, RG142, RG223 and RG400 is part of our full line of RF components available for same-day shipping. Our QN male connector operates up to a maximum frequency of 11 GHz. Its right angle body geometry allows for easier connections in tight spaces. The connector has an IP68 rating to protect against dust and prolonged moisture protection under immersion conditions.

Our QN male right angle connector PE44600 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		11	GHz
Operating Voltage (AC)			1,000	Vrms
Test Voltage (AC)			2,500	Vrms
Inner Conductor DC Resistance			1.5	mOhms
Outer Conductor DC Resistance			1.5	mOhms
Insulation Resistance	5,000			MOhms

#### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 2.5	2.5 to 4	4 to 6			GHz
VSWR, Max	1.06:1	1.16:1	1.23:1			

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [QN Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400, IP68 PE44600](#)



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Electrical Specification Notes:  
RF leakage: 90 dB (up to 3 GHz) min.  
Insertion loss =  $0.05 \times \sqrt{f(\text{GHz})}$  dB max.

#### Mechanical Specifications

<b>Size</b>	
Length	0.894 in [22.71 mm]
Width/Dia.	0.745 in [18.92 mm]
Weight	0.057 lbs [25.85 g]
Mating Cycles	100 Cycles

#### Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Tri-Metal

#### Environmental Specifications

<b>Temperature</b>	
Operating Range	-40 to +125 deg C
Ingress Protection (IP) Rating	IP68 0.3 bar (interface only)
Humidity	MIL-STD-202, Method 106
Shock	MIL-STD-202, Method 213, Condition I
Vibration	MIL-STD-202, Method 204, Condition A
Thermal Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

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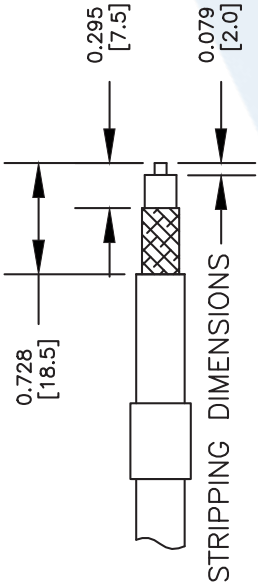


# PE44600 CAD Drawing

QN Male Right Angle Connector Crimp/Solder Attachment  
for RG55, RG141, RG142, RG223, RG400, IP68

## ASSEMBLY PROCEDURES

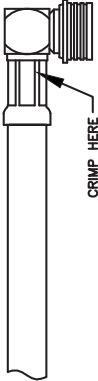
1. STRIP CABLE AS SHOWN.  
SLIDE FERRULE OVER CABLE.



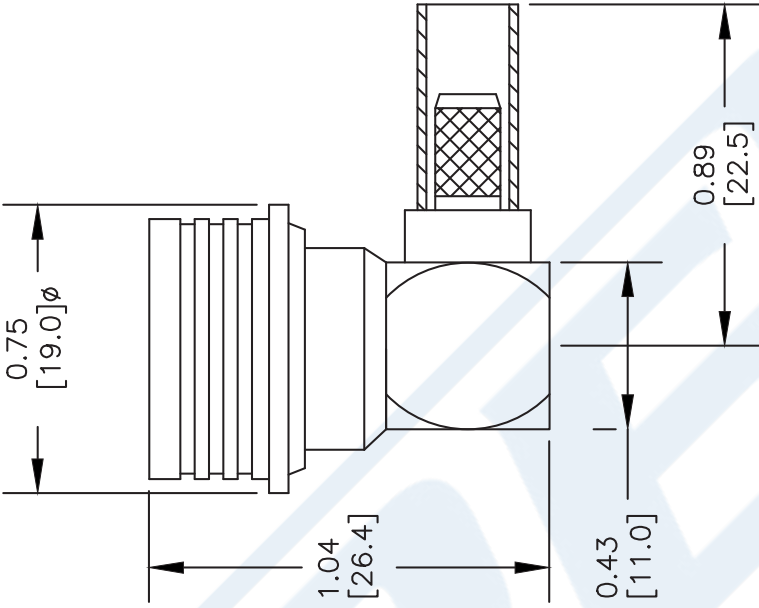
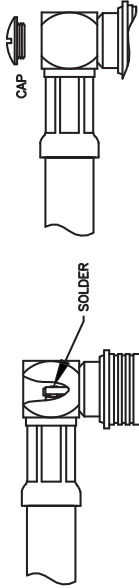
2. FLAIR BRAID AND INSERT THE STRIPPED  
CABLE INTO BODY AND POSITION THE CENTER  
CONDUCTOR IN THE SLOT OF THE CENTER  
PIN.



3. SLIDE FERRULE OVER BRAID UP TO THE  
CONNECTOR BODY AND CRIMP AS CLOSE TO  
THE CONNECTOR BODY AS POSSIBLE USING  
A .213" HEX CRIMP TOOL.



4. SOLDER THE CENTER CONDUCTOR OF THE  
CABLE TO THE CENTER PIN. TIGHTEN DOWN  
THE CAP INTO THE REAR APERTURE OF THE  
BODY.



DWG TITLE

**PE44600**

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.

FSCM NO. 53919

CAD FILE 061608

SCALE N/A

SIZE A

XXXX

**PE PASTERNAK®**

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