



## SMA Female Bulkhead to MCX Plug Right Angle Cable Using RG178 Coax with HeatShrink

### RF Cable Assemblies Technical Data Sheet

**PE34594/HS**

#### Configuration

- Connector 1: SMA Female Bulkhead
- Connector 2: MCX Plug Right Angle
- Cable Type: RG178
- Coax Flex Type: Flexible

#### Features

- 69.5% Phase Velocity
- FEP Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE34594/HS SMA female bulkhead to MCX plug right angle cable using RG178 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack SMA to MCX cable assembly has a female to plug gender configuration with 50 ohm flexible RG178 coax. The right angle MCX interface on the RG178 cable allows for easier connections in tight spaces. Our RF cable assembly with SMA bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		69.5		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

#### Mechanical Specifications

##### Cable Assembly

Weight 0.027 lbs [12.25 g]

##### Cable

Cable Type RG178  
Impedance 50 Ohms  
Inner Conductor Type Stranded  
Inner Conductor Material and Plating Copper Clad Steel, Silver  
Dielectric Type PTFE

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Bulkhead to MCX Plug Right Angle Cable Using RG178 Coax with HeatShrink PE34594/HS](#)



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Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.072 in [1.83 mm]
Repeated Minimum Bend Radius	0.393 in [9.98 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	SMA Female Bulkhead	MCX Plug Right Angle
Specification	MIL-STD-348	CECC 22220
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Gold	Brass, Gold
Contact Plating Specification	MIL-G-45204	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	QQ-N-290	100 µin minimum

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

**Plotted and Other Data**

Notes:

- Values at 25°C, sea level.

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**PE34594/HS**

#### How to Order

Part Number Configuration:

**PE34594/HS**

- **xx**

**uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches  
Length  
Base Number

Example: PE34594/HS-12 = 12 inches long cable  
PE34594/HS-100cm = 100 cm long cable

SMA Female Bulkhead to MCX Plug Right Angle Cable Using RG178 Coax with HeatShrink 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.

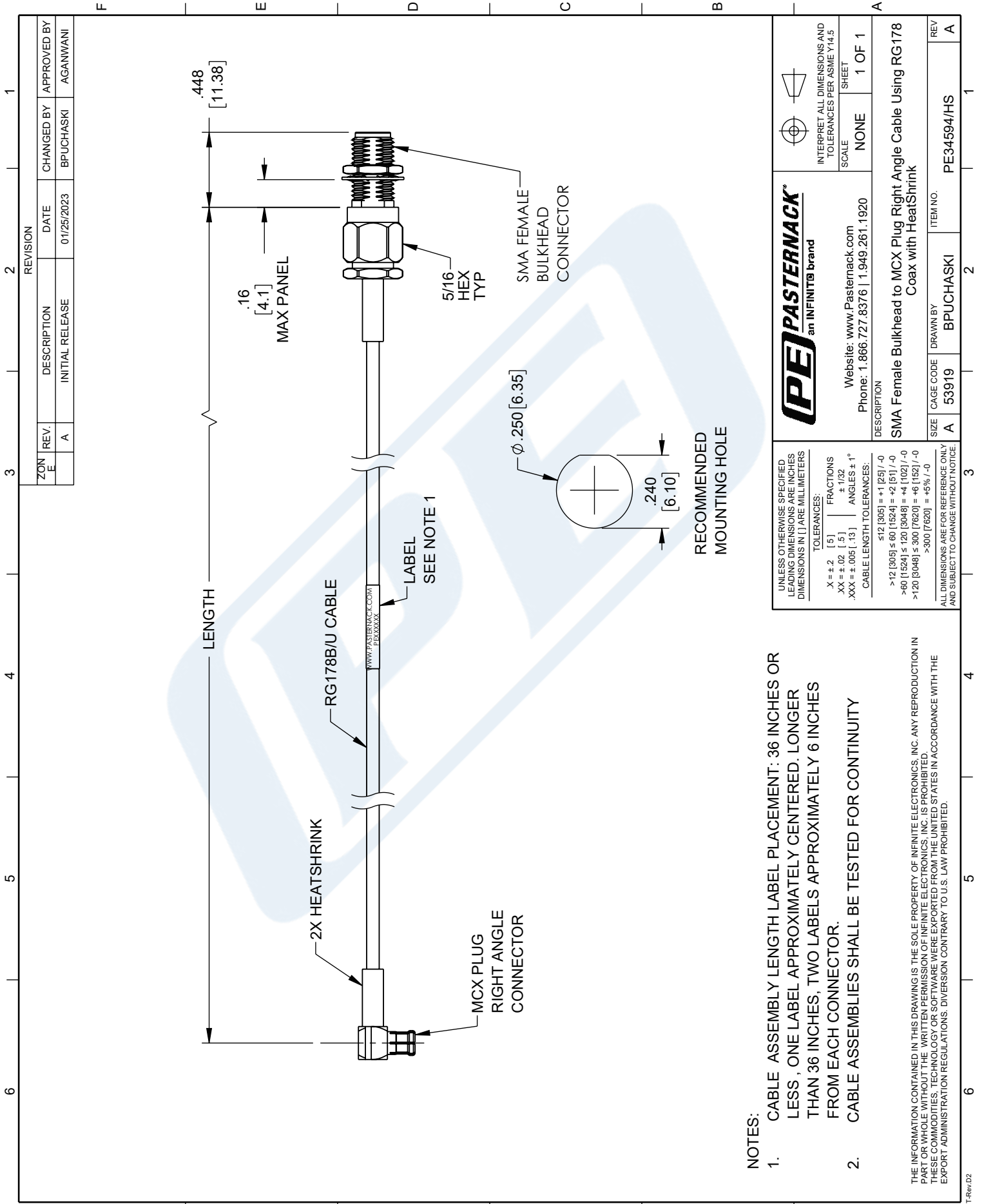
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Bulkhead to MCX Plug Right Angle Cable Using RG178 Coax with HeatShrink PE34594/HS](https://www.pasternack.com/sma-female-bulkhead-to-mcx-plug-right-angle-cable-using-rg178-coax-with-heatshrink-pe34594-hs-p.aspx)

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# PE34594/HS CAD Drawing

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## NOTES:

- CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
- CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY

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