



SMA Male Right Angle to Reverse Polarity SMA Jack Bulkhead Low Loss Cable Using LMR-195 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

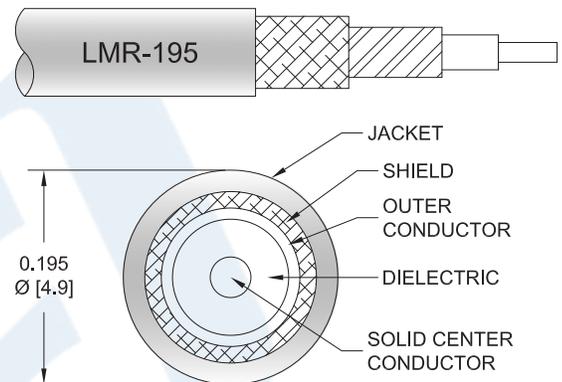
PE3C8077/HS

Configuration

- Connector 1: SMA Male Right Angle
- Connector 2: SMA Jack Reverse Polarity Bulkhead
- Cable Type: LMR-195

Features

- Shielding Effectivity > 90 dB
- 80% Phase Velocity
- Double Shielded
- PE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C8077/HS SMA male right angle to reverse polarity SMA jack bulkhead cable using LMR-195 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 reverse polarity SMA cable assembly has a male to jack gender configuration with 50 ohm flexible LMR-195 coax. The right angle SMA interface on the LMR-195 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. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 90 dB.

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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to Reverse Polarity SMA Jack Bulkhead Low Loss Cable Using LMR-195 Coax with HeatShrink PE3C8077/HS](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		80		%
RF Shielding	90			dB
Group Delay		1.27 [4.17]		ns/ft [ns/m]
Capacitance		25.4 [83.33]		pF/ft [pF/m]
Inductance		0.064 [0.21]		uH/ft [uH/m]
DC Resistance Inner Conductor		7.6 [24.93]		Ω /1000ft [Ω /Km]
DC Resistance Outer Conductor		4.9 [16.08]		Ω /1000ft [Ω /Km]
Jacket Spark			3,000	Vrms

Mechanical Specifications

Cable Assembly

Weight 0.053 lbs [24.04 g]

Cable

Cable Type LMR-195
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper
 Dielectric Type PE (F)
 Number of Shields 2
 Shield Layer 1 Aluminum Tape
 Shield Layer 2 Tinned Copper Braid
 Jacket Material PE, Black
 Jacket Diameter 0.195 in [4.95 mm]

One Time Minimum Bend Radius 0.5 in [12.7 mm]
 Repeated Minimum Bend Radius 2 in [50.8 mm]
 Bending Moment 0.2 lbs-ft [0.27 N-m]
 Flat Plate Crush 15 lbs/in [0.27 Kg/mm]
 Tensile Strength 40 lbs [18.14 Kg]

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Connectors

Description	Connector 1	Connector 2
Type	SMA Male Right Angle	SMA Jack Reverse Polarity Bulkhead
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	
Contact Plating Specification	50 µin minimum	
Dielectric Type	PTFE	
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 µin minimum	
Hex Size	5/16 inch	
Torque	3 in-lbs [0.34 Nm]	

Environmental Specifications

Temperature

Operating Range -40 to +85 deg C

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

Plotted and Other Data

Notes:

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PE3C8077/HS

How to Order

Part Number Configuration:

PE3C8077/HS - xx uu

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

Example: PE3C8077/HS-12 = 12 inches long cable
PE3C8077/HS-100cm = 100 cm long cable

SMA Male Right Angle to Reverse Polarity SMA Jack Bulkhead Low Loss Cable Using LMR-195 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.

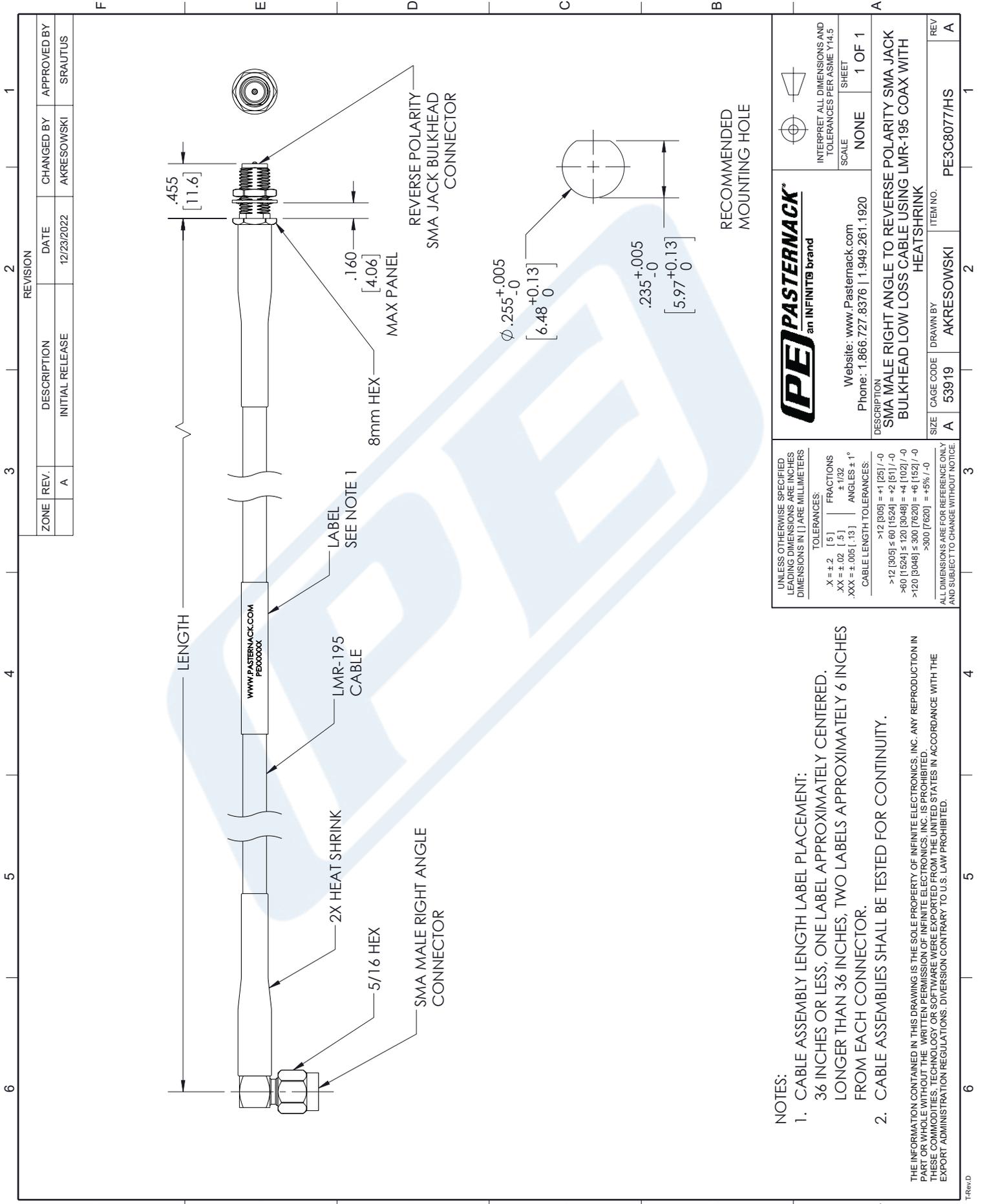
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URL: <https://www.pasternack.com/sma-male-right-angle-to-reverse-polarity-sma-jack-bulkhead-low-loss-cable-using-lmr-195-with-heatshrink-pe3c8077-hs-p.aspx>

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PE3C8077/HS CAD Drawing

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	TOLERANCES: X = ± .2 [5] .XX = ± .02 [.5] .XXX = ± .005 [.13]	FRACTIONS ± 1/32 ANGLES ± 1°	CABLE LENGTH TOLERANCES: >12 [305] = +1 [25] / -0 >60 [1524] = +2 [51] / -0 >120 [3048] = +4 [102] / -0 >300 [7620] = +8 [152] / -0 >300 [7620] = +5% / -0
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE			

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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Website: www.Pastermack.com
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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE

SHEET: 1 OF 1

DESCRIPTION	SIZE	CAGE CODE	DRAWN BY	ITEM NO.
SMA MALE RIGHT ANGLE TO REVERSE POLARITY SMA JACK BULKHEAD LOW LOSS CABLE USING LMR-195 COAX WITH HEATSHRINK	A	53919	AKRESOWSKI	PE3C8077/HS