

## Reverse Polarity SMA Jack Bulkhead to Reverse Polarity SMA Plug Low Loss Cable Using LMR-195 Coax with HeatShrink



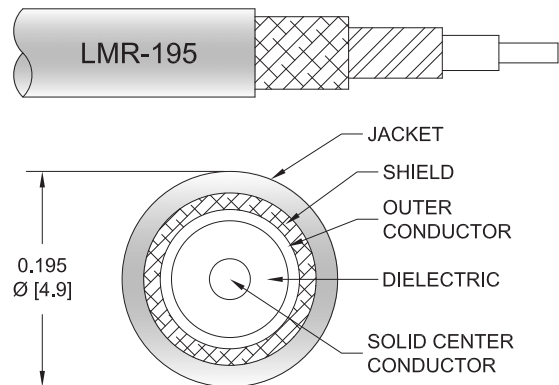
### PE3C1866/HS

#### Configuration

- Connector 1: SMA Jack Reverse Polarity Bulkhead
- Connector 2: SMA Plug Reverse Polarity
- Cable Type: LMR-195
- Coax Flex Type: Flexible

#### Features

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



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C1866/HS reverse polarity SMA jack bulkhead to reverse polarity SMA plug 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 reverse polarity SMA to reverse polarity SMA cable assembly has a jack to plug gender configuration with 50 ohm flexible LMR-195 coax. 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.

#### 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]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		4.9 [16.08]		Ohms/1000ft [Ohms/Km]

## Reverse Polarity SMA Jack Bulkhead to Reverse Polarity SMA Plug Low Loss Cable Using LMR-195 Coax with HeatShrink



### PE3C1866/HS

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Jacket Spark			3,000	Vrms

#### Mechanical Specifications

##### Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.213 lbs [96.62 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]

#### Connectors

Description	Connector 1	Connector 2
Type	SMA Jack Reverse Polarity Bulkhead	SMA Plug Reverse Polarity
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating		Beryllium Copper, Gold
Contact Plating Specification		QQ-C-530
Dielectric Type		Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification		QQ-B-626
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		QQ-B-626

## Reverse Polarity SMA Jack Bulkhead to Reverse Polarity SMA Plug Low Loss Cable Using LMR-195 Coax with HeatShrink



### PE3C1866/HS

#### Environmental Specifications

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

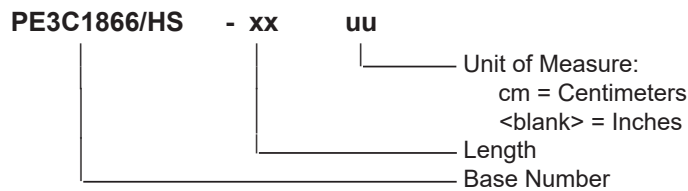
#### Plotted and Other Data

Notes:

#### Typical Performance Data

#### How to Order

Part Number Configuration:



Example: PE3C1866/HS-12 = 12 inches long cable  
PE3C1866/HS-100cm = 100 cm long cable

Reverse Polarity SMA Jack Bulkhead to Reverse Polarity SMA Plug 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.

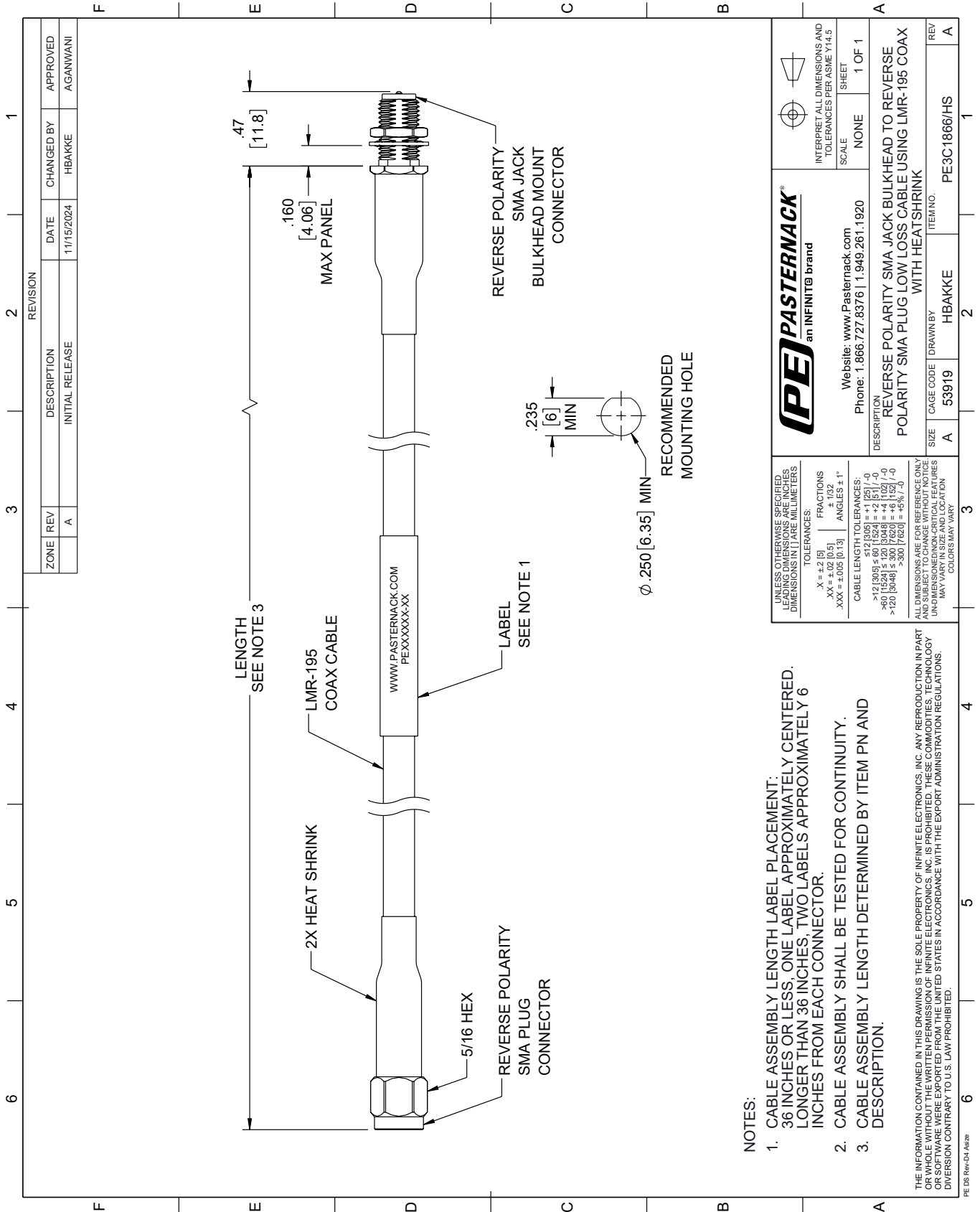
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity SMA Jack Bulkhead to Reverse Polarity SMA Plug Low Loss Cable Using LMR-195 Coax with HeatShrink PE3C1866/HS](#)

URL: <https://www.pasternack.com/reverse-polarity-sma-jack-bulkhead-to-reverse-polarity-sma-plug-low-loss-cable-using-lmr-195-with-heatshrink-pe3c1866-hs-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

# PE3C1866/HS CAD Drawing

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



**PE PASTERNAK**  
an INFINITI® brand

Website: [www.Pasternack.com](http://www.Pasternack.com)  
 Phone: 1.866.727.8376 | 1.949.281.1920

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE  
SHEET: 1 OF 1

DESCRIPTION: REVERSE POLARITY SMA JACK BULKHEAD TO REVERSE POLARITY SMA PLUG LOW LOSS CABLE USING LMR-195 COAX WITH HEATSHRINK

SIZE: A    CAGE CODE: 53919    DRAWN BY: HBAKKE    ITEM NO.: PE3C1866/HS

REV: A