

## Reverse Polarity TNC Jack Bulkhead to Reverse Polarity SMA Plug Right Angle Low Loss Cable Using LMR-195-UF Coax



### PE3W20410

#### Configuration

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

#### Features

- Shielding Effectivity > 90 dB
- 74% Phase Velocity
- Double Shielded
- TPE Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W20410 reverse polarity TNC jack bulkhead to reverse polarity SMA plug right angle cable using LMR-195-UF 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 TNC to reverse polarity SMA cable assembly has a jack to plug gender configuration with 50 ohm flexible LMR-195-UF coax. The right angle SMA interface on the LMR-195-UF cable allows for easier connections in tight spaces. Our RF cable assembly with TNC 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		74		%
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		9.5 [31.17]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		4.9 [16.08]		Ohms/1000ft [Ohms/Km]

Reverse Polarity TNC Jack Bulkhead to Reverse Polarity SMA Plug Right Angle Low Loss Cable Using LMR-195-UF Coax



**PE3W20410**

**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	0.07 lbs [31.75 g]

**Cable**

Cable Type	LMR-195-UF
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper
Dielectric Type	Foam PE
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Tinned Copper
Jacket Material	TPE, 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	0.1 lbs-ft [0.14 N-m]
Flat Plate Crush	10 lbs/in [0.18 Kg/mm]
Tensile Strength	40 lbs [18.14 Kg]

**Connectors**

Description	Connector 1	Connector 2
Type	TNC Jack Reverse Polarity Bulkhead	SMA Plug Reverse Polarity Right Angle
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	30 µin minimum	
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	
Coupling Nut Material and Plating		Brass, Nickel
Hex Size		5/16 in
Torque		5 in-lbs 0.57 Nm

## Reverse Polarity TNC Jack Bulkhead to Reverse Polarity SMA Plug Right Angle Low Loss Cable Using LMR-195-UF Coax



### PE3W20410

#### Environmental Specifications

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

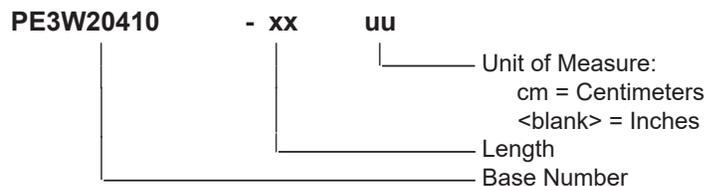
#### Plotted and Other Data

Notes:

#### Typical Performance Data

#### How to Order

Part Number Configuration:



Example: PE3W20410-12 = 12 inches long cable  
PE3W20410-100cm = 100 cm long cable

Reverse Polarity TNC Jack Bulkhead to Reverse Polarity SMA Plug Right Angle Low Loss Cable Using LMR-195-UF Coax 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.

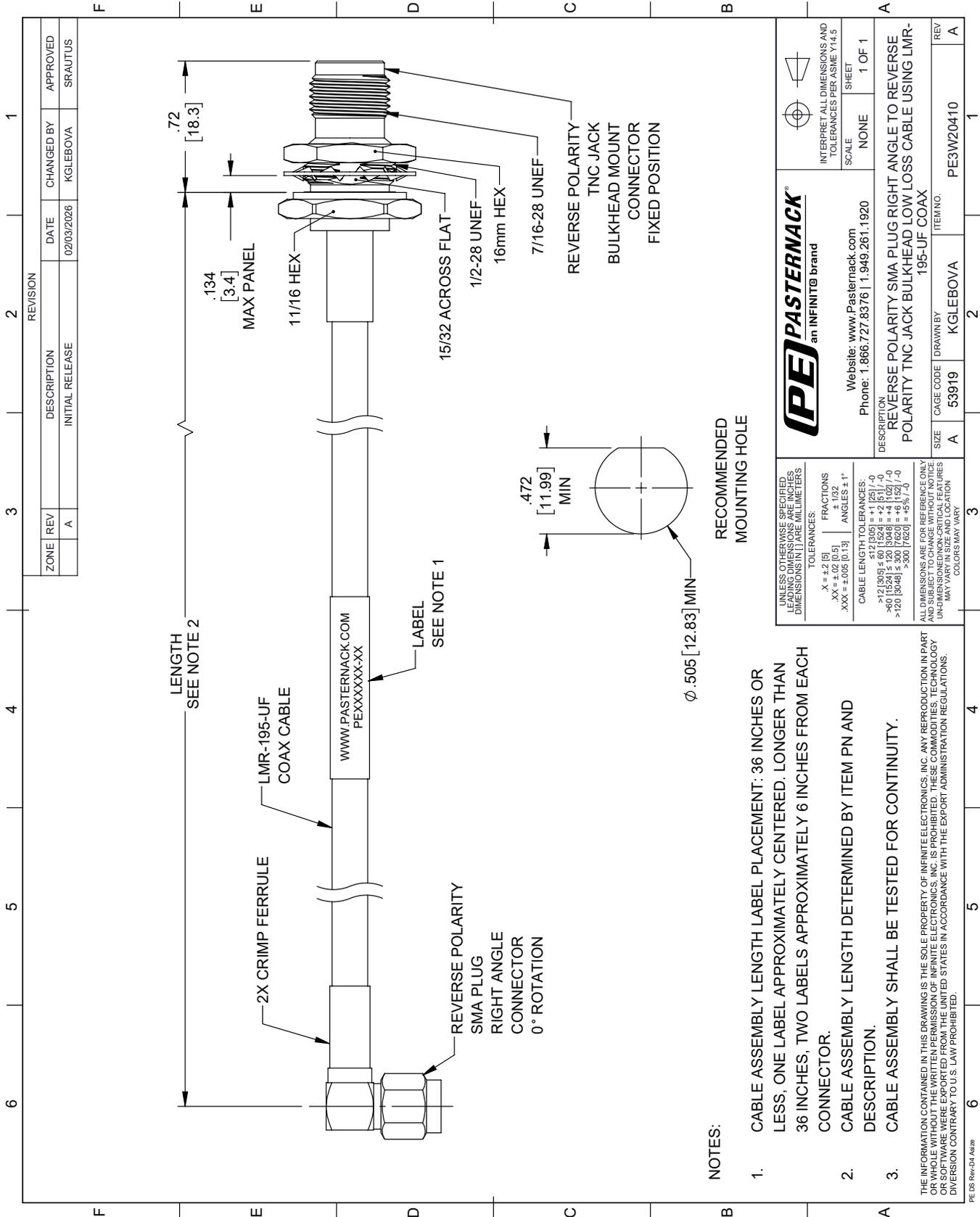
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity TNC Jack Bulkhead to Reverse Polarity SMA Plug Right Angle Low Loss Cable Using LMR®-195-UF Coax PE3W20410](#)

URL: <https://www.pasternack.com/reverse-polarity-tnc-jack-bulkhead-to-reverse-polarity-sma-plug-low-loss-cable-using-lmr-195-uf-pe3w20410-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.

# PE3W20410 CAD Drawing

Reverse Polarity TNC Jack Bulkhead to Reverse Polarity SMA Plug  
Right Angle Low Loss Cable Using LMR-195-UF Coax



**NOTES:**

1. CABLE ASSEMBLY LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
3. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVISION CONTRARY TO U.S. LAW PROHIBITED.

PE DS Rev-04 Add

		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1	
Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a> Phone: 1.866.727.8376   1.949.261.1920		DESCRIPTION: REVERSE POLARITY SMA PLUG RIGHT ANGLE TO REVERSE POLARITY TNC JACK BULKHEAD LOW LOSS CABLE USING LMR-195-UF COAX	
SIZE: A	CAGE CODE: 53919	DRAWN BY: KGLEBOVA	ITEM NO.: PE3W20410
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. LEADING DIMENSIONS ARE IN PARENTHESES. DIMENSIONS IN [ ] ARE MILLIMETERS.		ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS ON NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.	
TOLERANCES: .X = ±.2 [5] .XX = ±.02 [0.5] .XXX = ±.005 [0.13]	FRACTIONS: ± 1/32 ANGLES ± 1°	CABLE LENGTH TOLERANCES: ≤ 12 [305] ≤ 60 [1524] = ±.1 [25] / -0 > 60 [1524] ≤ 120 [3048] = ±.4 [102] / -0 > 120 [3048] ≤ 300 [7620] = ±.5 [12.7] / -0	

RECOMMENDED MOUNTING HOLE

REVISION			
ZONE	REV	DESCRIPTION	DATE
A	A	INITIAL RELEASE	02/03/2026
CHANGED BY			APPROVED
KGLEBOVA			SRAUTUS