



78 Ohm TRB Jack 1553 Connector Crimp/Solder Attachment for 30-02002, TWAC-78-1F2,

## RF Connectors Technical Data Sheet

**PE410-06577-242**

### Configuration

- TRB Jack Connector
- MIL-STD-1553
- 78 Ohms
- Straight Body Geometry
- Connector Interface Types: 30-02002, TWAC-78-1F2, TRB JACK
- 1553 Design

### Features

- Max. Operating Frequency 500 MHz
- Gold 30 micro inches Plated Bronze Contact
- Contact plating according to ASTM-B-488

### Applications

- General Purpose Test
- Custom Cable Assemblies
- 30-02002
- TWAC-78-1F2

### Description

TRB bulkhead cable jacks attach directly to panels (front-mount) and is not insulated (non-isolated) from the panel. It will use the common signal of the panel. The bulkhead jack end will appear on the front of the panel, and mates to TRB plugs using the bayonet coupling design. The -206 model is designed to fit high-temperature 30-02002 or TWAC-78-1F2 twinaxial cable. It is RoHS compliant.

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		500	MHz
Impedance		78		Ohms

### Mechanical Specifications

Size	
Length	1.40 in [35.50 mm]
Width	0.69 in [17.50 mm]
Height	0.69 in [17.50 mm]
Weight	0.08 lbs [34.02 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [78 Ohm TRB Jack 1553 Connector Crimp/Solder Attachment for 30-02002, TWAC-78-1F2, PE410-06577-242](#)



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### Material Specifications

Description	Material	Plating
Contact	Bronze	Gold 30 micro inches ASTM-B-488
Insulation	Teflon	
Outer Conductor	Phosphor Bronze	Gold 30 micro inches ASTM-B-488
Body	Brass	Nickel ASTM-B-733
Gasket	Rubber	
Crimp Sleeve	Brass	Nickel

### Environmental Specifications

#### Temperature

Operating Range -55 to +200 deg C

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

### Plotted and Other Data

Notes:

78 Ohm TRB Jack 1553 Connector Crimp/Solder Attachment for 30-02002, TWAC-78-1F2, 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.

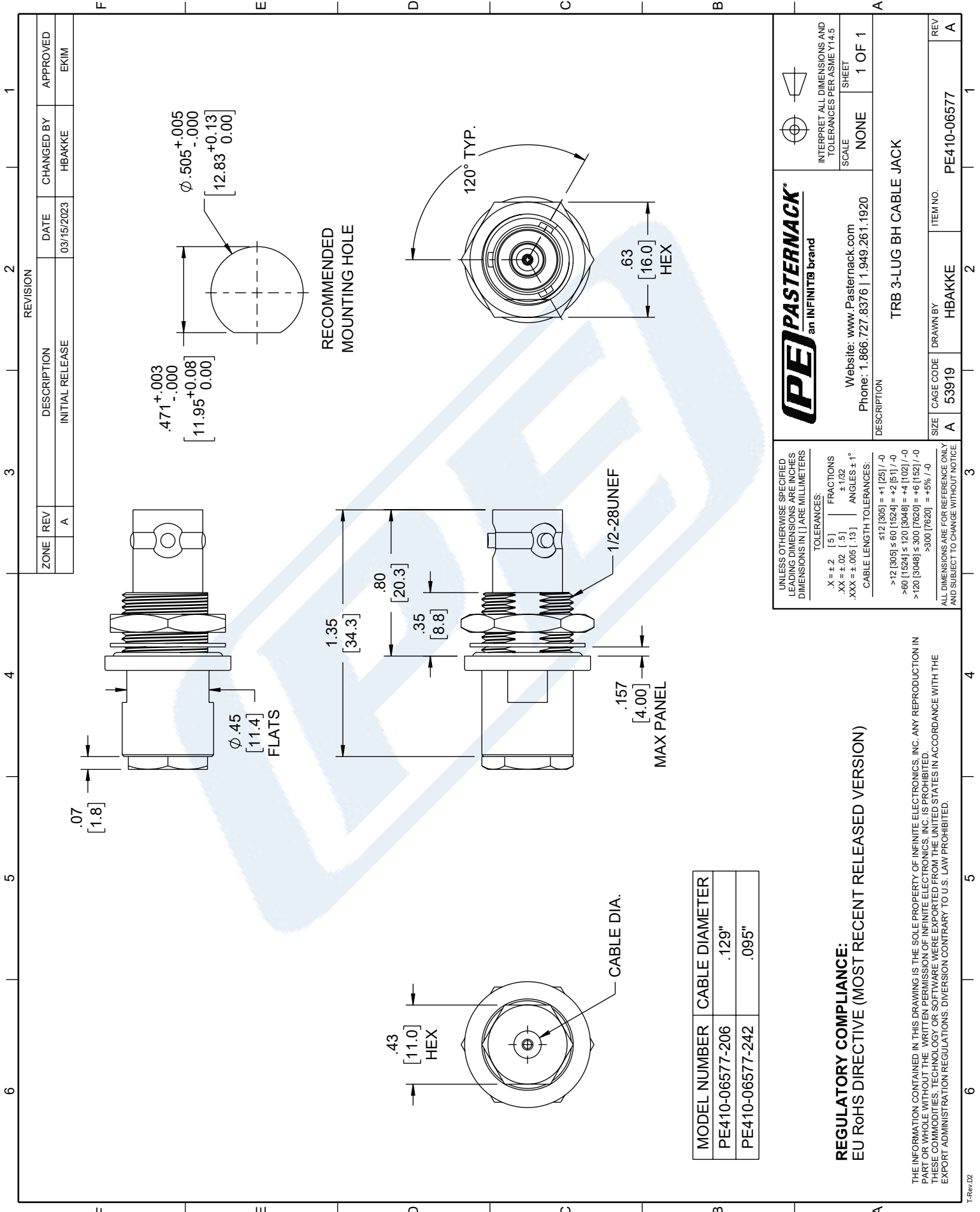
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [78 Ohm TRB Jack 1553 Connector Crimp/Solder Attachment for 30-02002, TWAC-78-1F2, PE410-06577-242](#)

URL: <https://www.pasternack.com/trb-jack-30-02002-twac-78-1f2-connector-pe410-06577-242-p.aspx>

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

# PE410-06577-242 CAD Drawing

78 Ohm TRB Jack 1553 Connector Crimp/Solder Attachment for 30-02002, TWAC-78-1F2,



ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	03/15/2023	HBAKKE	EKIM

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5  
SCALE NONE SHEET 1 OF 1

DESCRIPTION: TRB 3-LUG BH CABLE JACK

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	HBAKKE	PE410-06577	A

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:  
 .X = ±.2 [5] FRACTIONS  
 .XX = ±.02 [5] ±1/32  
 .XXX = ±.005 [13] ANGLES ± 1°

CABLE LENGTH TOLERANCES:  
 ≤12 [305] = +1 [25] / -0  
 >12 [305] ≤ 60 [1524] = +2 [51] / -0  
 >60 [1524] ≤ 120 [3048] = +4 [102] / -0  
 >120 [3048] ≤ 300 [7620] = +6 [152] / -0  
 >300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE

MODEL NUMBER	CABLE DIAMETER
PE410-06577-206	.129"
PE410-06577-242	.095"

**REGULATORY COMPLIANCE:**  
EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION)

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