



## TNC Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

### RF Connectors Technical Data Sheet

PE4447

#### Configuration

- TNC Male Connector
- MIL-STD-348A
- 50 Ohms

- Straight Body Geometry
- RG214, RG9, RG225, RG393 Interface Type
- Crimp/Solder Attachment

#### Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.4:1

- Gold Plated Brass Contact
- 30  $\mu$ in minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4447 TNC male connector with crimp/solder attachment for RG214, RG9, RG225 and RG393 is part of our full line of RF components available for same-day shipping. Our TNC male connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.4:1.

Our TNC male connector PE4447 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.4:1	
Operating Voltage (AC)			500	Vrms

#### Mechanical Specifications

Size	
Length	1.366 in [34.7 mm]
Width/Dia.	0.591 in [15.01 mm]
Weight	0.043 lbs [19.5 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4447](#)



## TNC Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

### RF Connectors Technical Data Sheet

PE4447

#### Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 $\mu$ in minimum
Insulation	PTFE	
Body	Brass	Nickel 100 $\mu$ in minimum
Coupling Nut	Brass	Nickel 100 $\mu$ in minimum

#### Environmental Specifications

##### Temperature

Operating Range

-65 to +165 deg C

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

#### Plotted and Other Data

Notes:

TNC Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 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: [TNC Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4447](#)

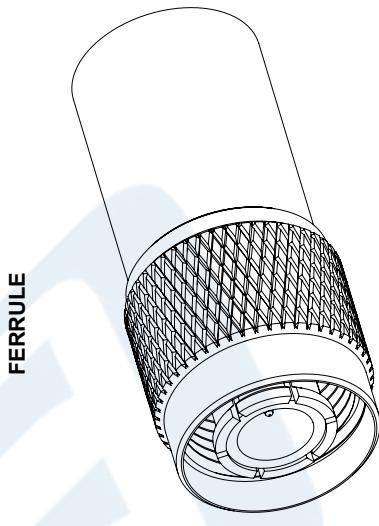
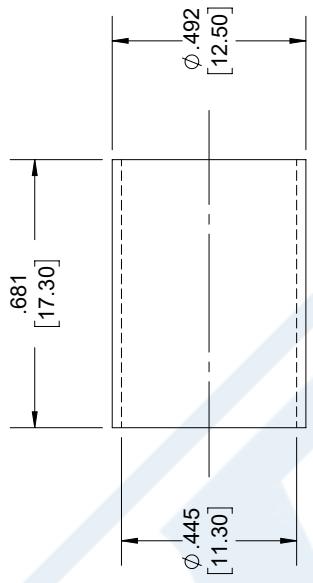
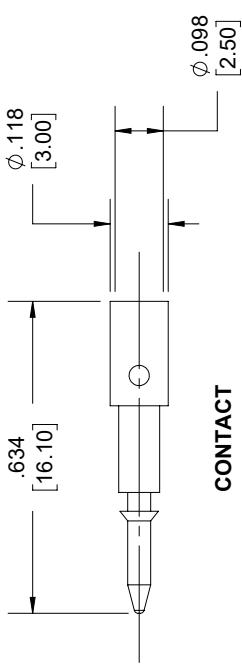
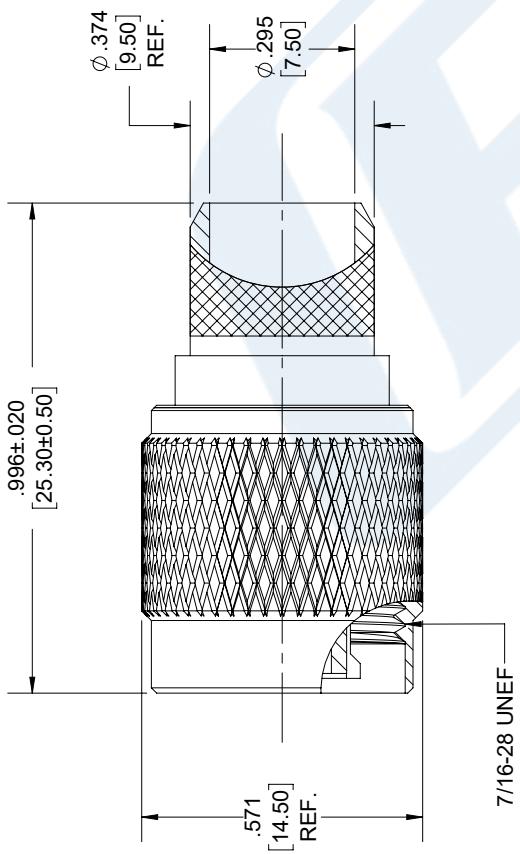
URL: <https://www.pasternack.com/tnc-male-standard-rg214-rg9-rg225-rg393-connector-pe4447-p.aspx>

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.

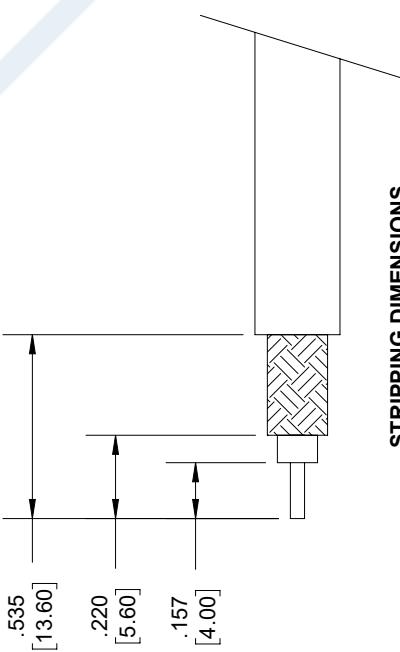
# PE4447 CAD Drawing

TNC Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
2.1	PCR PE4447 20190612	06/17/19	SELLIS



## STRIPPING DIMENSIONS



## NOTES:

1. CABLE ATTACHMENT:
  - OUTER: CRIMP
  - INNER: SOLDER
2. CRIMP SIZE REQUIRED:
  - FERRULE: 429 [10.90] HEX. CRIMP TOOL

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Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920   1.866.727.8376 Fax: 1.949.261.7451 <a href="http://www.pasternack.com">www.pasternack.com</a>   <a href="mailto:email:sales@pasternack.com">email:sales@pasternack.com</a>		SCALE	N/A
SIZE	CAGE	DRAWN BY	PART NUMBER
A	53919	KDANG	PE4447
			REV 2.1

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## N Female Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

### RF Connectors Technical Data Sheet

PE4191

#### Configuration

- N Female Connector
- MIL-STD-348A
- 50 Ohms

- Straight Body Geometry
- RG214, RG9, RG225, RG393 Interface Type
- Crimp/Solder Attachment

#### Features

- Max. Operating Frequency 11 GHz
- Good VSWR of 1.35:1

- Gold Plated Phosphor Bronze Contact
- 30  $\mu$ in minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4191 type N female connector with crimp/solder attachment for RG214, RG9, RG225 and RG393 is part of our full line of RF components available for same-day shipping. Our type N female connector operates up to a maximum frequency of 11 GHz and offers good VSWR of 1.35:1.

Our type N female connector PE4191 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		11	GHz
VSWR			1.35:1	
Operating Voltage (AC)			1,000	Vrms

#### Mechanical Specifications

Size	
Length	1.68 in [42.67 mm]
Width/Dia.	0.667 in [16.94 mm]
Weight	0.084 lbs [38.1 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4191](#)



## N Female Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

### RF Connectors Technical Data Sheet

PE4191

#### Material Specifications

Description	Material	Plating
Contact	Phosphor Bronze	Gold 30 $\mu$ in minimum
Insulation	PTFE	
Body	Brass	Nickel 100 $\mu$ in minimum

#### Environmental Specifications

##### Temperature

Operating Range

-65 to +165 deg C

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

#### Plotted and Other Data

Notes:

N Female Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

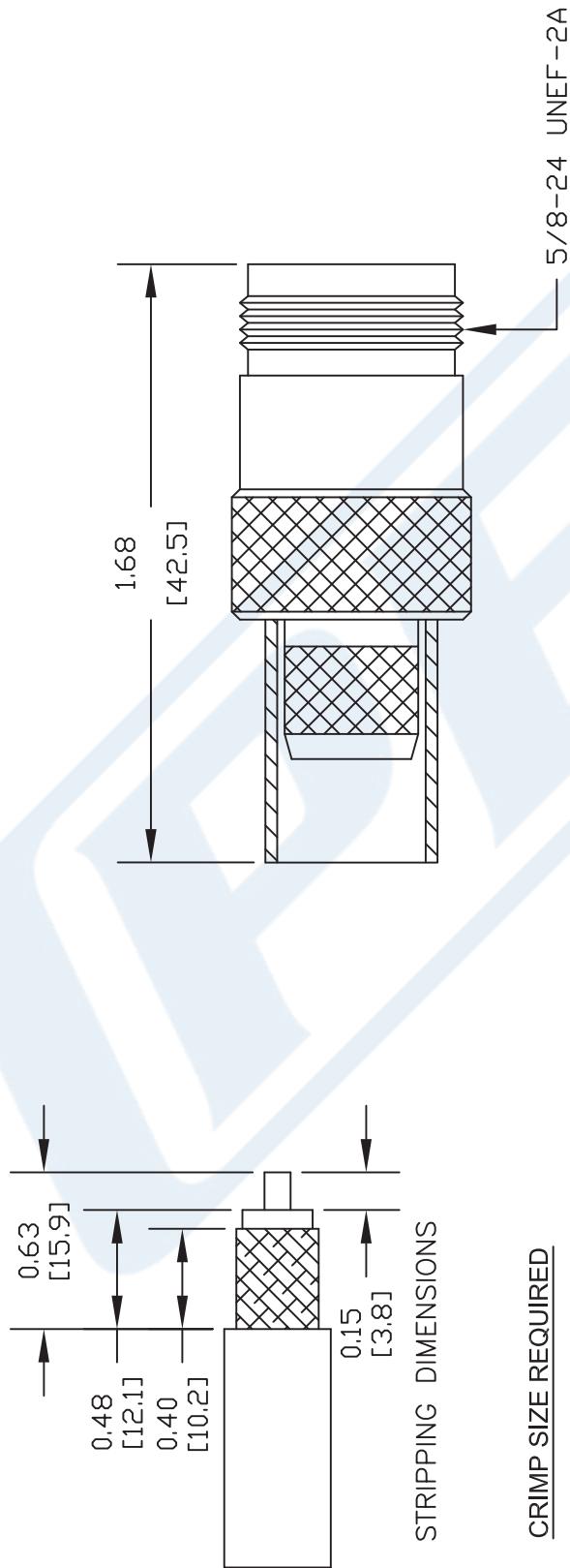
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4191](#)

URL: <https://www.pasternack.com/n-female-standard-rg214-rg9-rg225-rg393-connector-pe4191-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.

# PE4191 CAD Drawing

N Female Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393



## CRIMP SIZE REQUIRED

CONTACT: SOLDER  
FERRULE: .429" HEX CRIMP TOOL

**PE** **PASTERNACK**®

Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451

Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

DWG TITLE	<b>PE4191</b>
REV. -	FSCM NO. 53919 CAD FILE 030704 SCALE N/A SIZE A

NOTES:  
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
3. DIMENSIONS ARE IN INCHES [MM].  
4. FITS MIL-C-17 AND EQUIVALENT CABLES.



## Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket

### RF Cables Technical Data Sheet

**RG393/U**

#### Configuration

- Flexible Cable
- 2 Shield(s)

#### Features

- 50 Ohm Impedance
- Stranded Silver Plated Copper center conductor
- PTFE dielectric
- Double Silver Plated Copper Braid
- FEP Jacket Material 0.390 in diameter

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		10	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%
Nominal Capacitance		29.4 [96.46]		pF/ft [pF/m]

#### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.01	0.1	1	5	10	GHz
Attenuation, Typ	0.6	2.1	7.5	21	35	dB/100ft
	1.97	6.89	24.61	68.9	114.83	dB/100m
Input Power (CW), Max	25,000	6,300	1,700	620	350	Watts

#### Mechanical Specifications

Diameter 0.39 in [9.91 mm]  
 Weight 0.157 lbs/ft [0.23 Kg/m]

Min. Bend Radius (Repeated) 3.9 in [99.06 mm]

#### Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver7	0.094 in 2.39 mm
Conductor Type	Stranded	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket RG393/U](#)



## Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket

### RF Cables Technical Data Sheet

**RG393/U**

Dielectric	PTFE	0.285 in 7.24 mm
First Shield	Silver Plated Copper Braid 90% coverage	0.313 in 7.95 mm
Second Shield	Silver Plated Copper Braid 90% coverage	0.341 in 8.66 mm
Jacket	FEP, Tan	0.39 in [9.91 mm]

#### Environmental Specifications

##### Temperature

Operating Range

-55 to +200 deg C

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

#### Plotted and Other Data

Notes:

Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket 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: [Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket RG393/U](#)

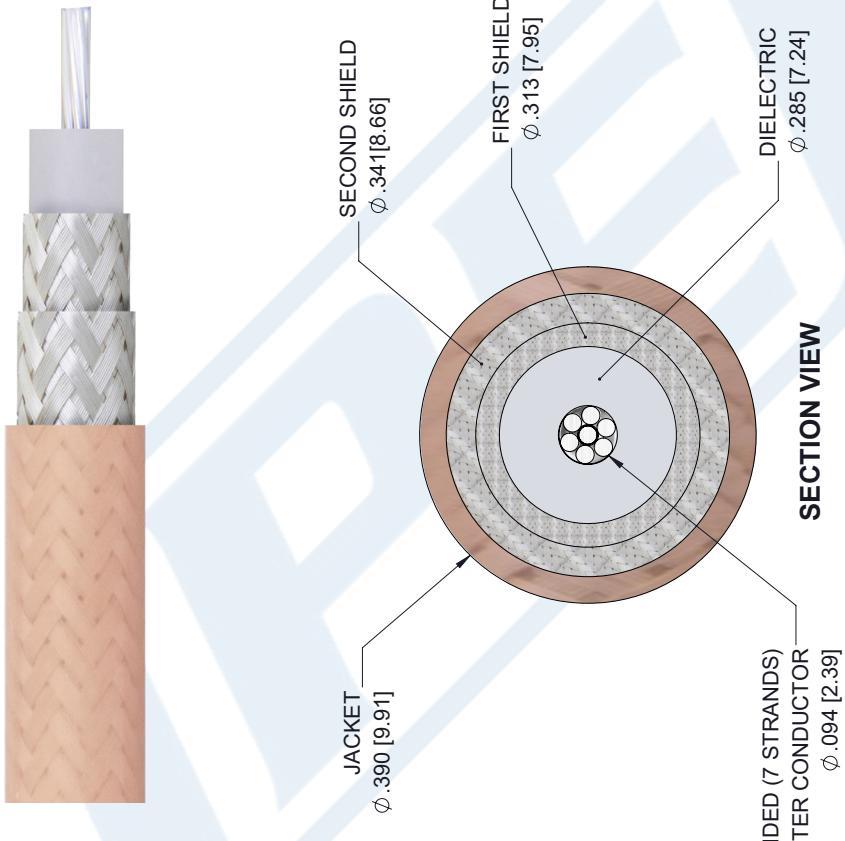
URL: <https://www.pasternack.com/flexible-rg393u-fep-jacket-silver-plated-copper-braid-over-silver-plated-copper-braid-outer-conductor-double-shielded-rg393-u-p.aspx>

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# RG393/U CAD Drawing

Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR RG393/U	1/8/2020	S.ELLIS



<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <table border="0"> <tr> <td><math>X = \pm 2</math></td><td><math>[.08]</math></td><td><b>FRACTIONS</b></td></tr> <tr> <td><math>.XX = \pm .02</math></td><td><math>[.51]</math></td><td><math>\pm 1/32</math></td></tr> <tr> <td><math>.XXX = \pm .005</math></td><td><math>[.13]</math></td><td>ANGLES <math>\pm 1^\circ</math></td></tr> </table> <p>CABLE LENGTH (L) TOLERANCES:</p> <table border="0"> <tr> <td><math>L \leq 12</math></td><td><math>[305]</math></td><td><math>\pm 1 [25]</math></td><td><math>[-0]</math></td></tr> <tr> <td><math>12 [305] &lt; L \leq 60</math></td><td><math>[1524]</math></td><td><math>\pm 2 [51]</math></td><td><math>[-0]</math></td></tr> <tr> <td><math>60 [1524] &lt; L \leq 120</math></td><td><math>[3048]</math></td><td><math>\pm 4 [102]</math></td><td><math>[-0]</math></td></tr> <tr> <td><math>120 [3048] &lt; L \leq 300</math></td><td><math>[7620]</math></td><td><math>\pm 6 [152]</math></td><td><math>[-0]</math></td></tr> <tr> <td><math>300 [7620] &lt; L</math></td><td><math>= 45\%L</math></td><td><math>[-0]</math></td><td></td></tr> </table> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>	$X = \pm 2$	$[.08]$	<b>FRACTIONS</b>	$.XX = \pm .02$	$[.51]$	$\pm 1/32$	$.XXX = \pm .005$	$[.13]$	ANGLES $\pm 1^\circ$	$L \leq 12$	$[305]$	$\pm 1 [25]$	$[-0]$	$12 [305] < L \leq 60$	$[1524]$	$\pm 2 [51]$	$[-0]$	$60 [1524] < L \leq 120$	$[3048]$	$\pm 4 [102]$	$[-0]$	$120 [3048] < L \leq 300$	$[7620]$	$\pm 6 [152]$	$[-0]$	$300 [7620] < L$	$= 45\%L$	$[-0]$		<p>THIRD ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED.</p> <p><b>PASTERNAK</b> an INFINITE® brand</p> <p>Pasternak Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920   1.866.727.8376 Fax: 1.949.261.7451 Website: <a href="http://www.pasternak.com">www.pasternak.com</a> E-mail: <a href="mailto:sales@pasternak.com">sales@pasternak.com</a></p> <p>SHEET 1 OF 1 SCALE N/A ITEM NO. RG393/U DRAWN BY K. DANG CAGE CODE 53919 SIZE A REV A</p>
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