

## SC Male Right Angle Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215



### RF Connectors Technical Data Sheet

PE4979

#### Configuration

- SC Male Connector
- MIL-STD-348
- 50 Ohms
- Right Angle Body Geometry

- RG213, RG214, RG8, RG9, RG225, RG393, RG215
- Interface Type
- Clamp/Solder Attachment

#### Features

- Max. Operating Frequency 11 GHz
- Silver Plated Brass Contact

- Contact plating according to QQ-S-365

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4979 SC male right angle connector with clamp/solder attachment for RG213, RG214, RG8, RG9, RG225, RG393 and RG215 is part of our full line of RF components available for same-day shipping. Our SC male connector operates up to a maximum frequency of 11 GHz. Its right angle body geometry allows for easier connections in tight spaces.

Our SC male right angle connector PE4979 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
Operating Voltage (AC)			1,000	Vrms
Dielectric Withstanding Voltage (AC)			3,000	Vrms
Insulation Resistance	5,000			MOhms

#### Mechanical Specifications

<b>Size</b>	
Length	1.865 in [47.37 mm]
Width/Dia.	0.8 in [20.32 mm]
Height	1.495 in [37.97 mm]
Weight	0.199 lbs [90.26 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SC Male Right Angle Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215 PE4979](#)

## SC Male Right Angle Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215



### RF Connectors Technical Data Sheet

PE4979

#### Material Specifications

Description	Material	Plating
Contact	Brass	Silver QQ-S-365
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel QQ-N-290

#### Environmental Specifications

##### Temperature

Operating Range

-65 to +165 deg C

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

#### Plotted and Other Data

Notes:

SC Male Right Angle Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215 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: [SC Male Right Angle Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215 PE4979](#)

URL: <https://www.pasternack.com/sc-male-standard-rg213-rg214-rg8-rg9-rg225-rg393-connector-pe4979-p.aspx>

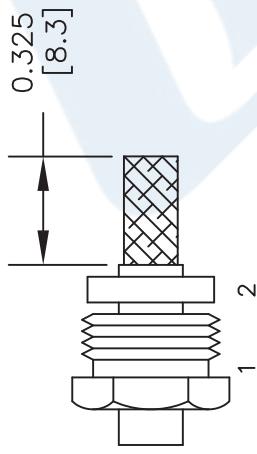
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

# PE4979 CAD Drawing

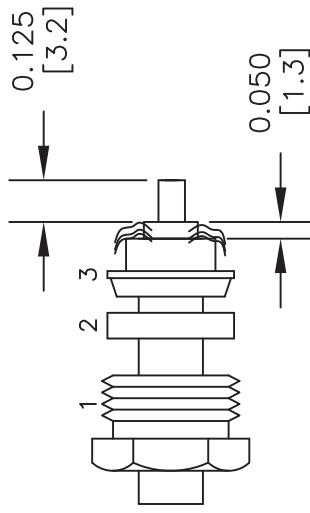
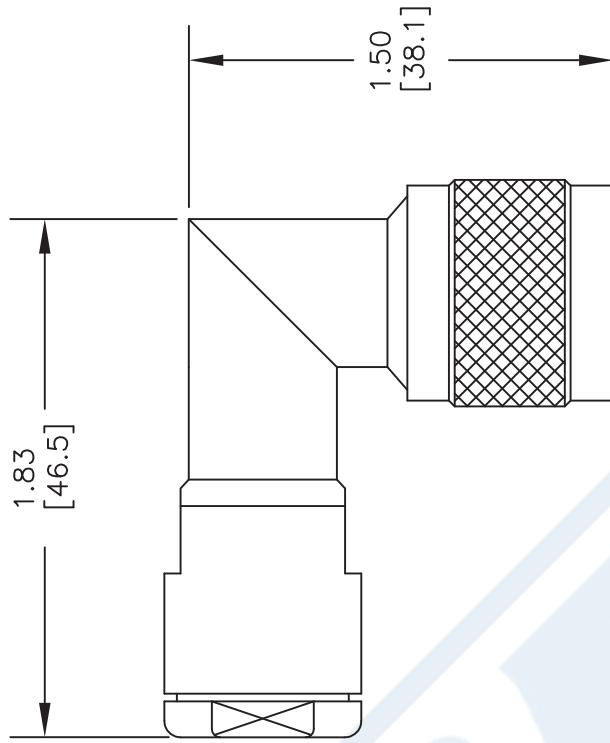
SC Male Right Angle Connector Clamp/Solder Attachment for  
RG213, RG214, RG8, RG9, RG225, RG393, RG215

## ASSEMBLY PROCEDURES

SLIDE CLAMP NUT (1) & GASKET (2) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (3) SLIDE BRAID CLAMP(3) OVER BRAID & SEAT AGAINST CABLE.



FORM BRAID OVER CLAMP NUT (3). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



**PE PASTERNACK®**  
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**PE4979**  
DWG TITLE

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.

FSCM NO.	53919	CAD FILE	012314	SCALE	N/A	SIZE	A	2233
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## 7/16 DIN Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

### RF Connectors Technical Data Sheet

**PE4571**

#### Configuration

- 7/16 DIN Male Connector
- IEC 169-4
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG214, RG9, RG225, RG393
- 32 mm Hex

#### Features

- Max. Operating Frequency 7.5 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30  $\mu$ in minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4571 7/16 DIN 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 7/16 DIN male connector operates up to a maximum frequency of 7.5 GHz and offers good VSWR of 1.3:1.

Our 7/16 DIN male connector PE4571 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		7.5	GHz
VSWR			1.3:1	
Operating Voltage (AC)			2,700	Vrms

#### Mechanical Specifications

Size	
Length	1.976 in [50.19 mm]
Width/Dia.	1.25 in [31.75 mm]
Weight	0.224 lbs [101.6 g]
Mating Torque	221 to 265 in-lbs [24.97 to 29.95 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4571](#)

7/16 DIN Male Connector Crimp/Solder Attachment  
for RG214, RG9, RG225, RG393



**RF Connectors**  
**Technical Data Sheet**

**PE4571**

**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

-55 to +155 deg C

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

**Plotted and Other Data**

Notes:

7/16 DIN 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.

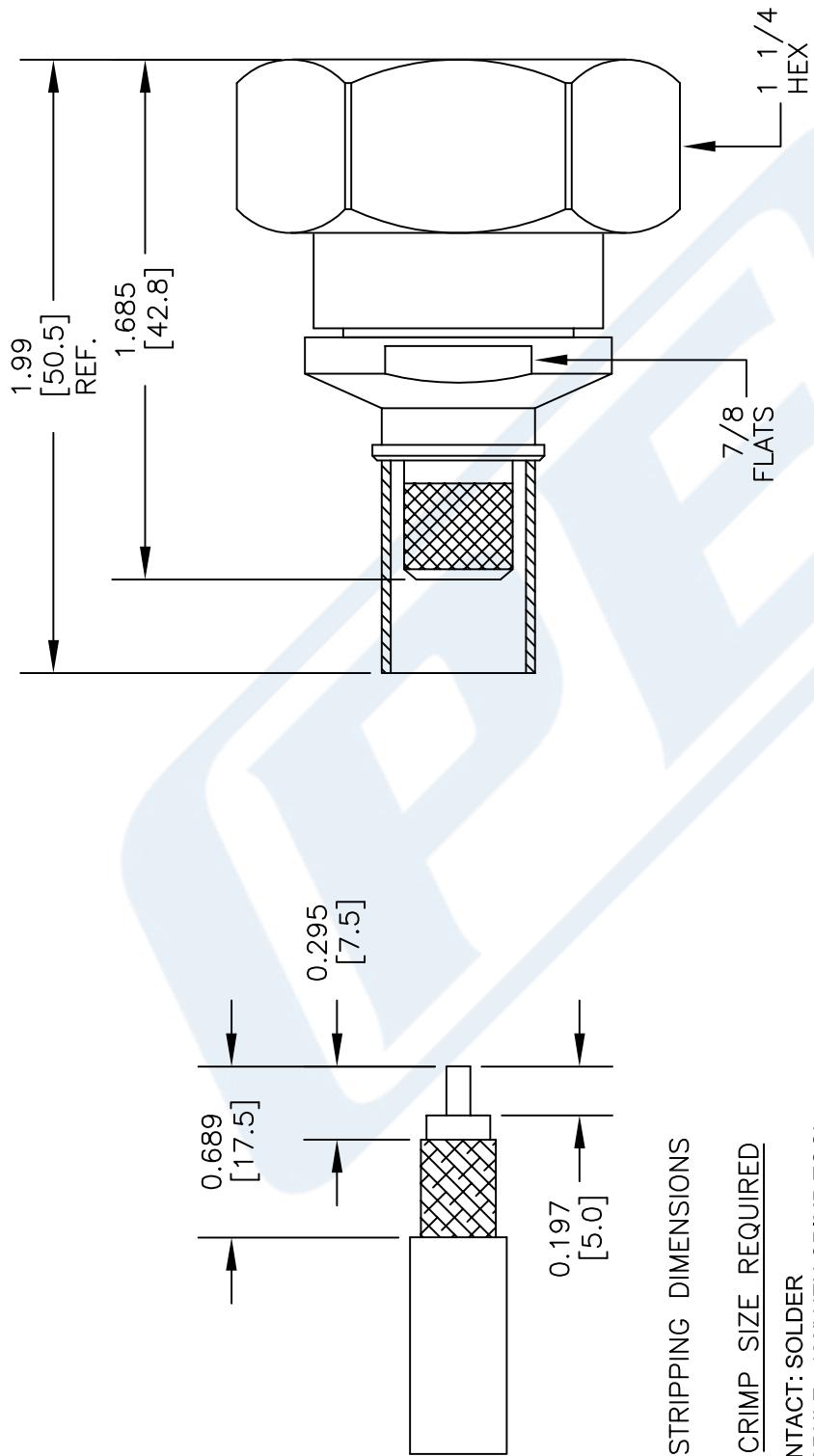
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4571](#)

URL: <https://www.pasternack.com/7-16-male-rg214-rg9-rg225-rg393-connector-pe4571-p.aspx>

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# PE4571 CAD Drawing

7/16 DIN Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393



NOTES:  
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2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE	PE4571
FSCM NO.	53919

CAD FILE	101414
SCALE	N/A
SIZE	A

150

<b>PASTERNACK®</b> THE ENGINEER'S RF SOURCE	PE4571	Pasternack Enterprises, Inc. P.O. Box 16759   Irvine   CA   92623 Phone: (949) 261-1920   Fax: (949) 261-7451 Website: <a href="http://www.pasternack.com">www.pasternack.com</a>   E-Mail: <a href="mailto:sales@pasternack.com">sales@pasternack.com</a>
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## 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](#)

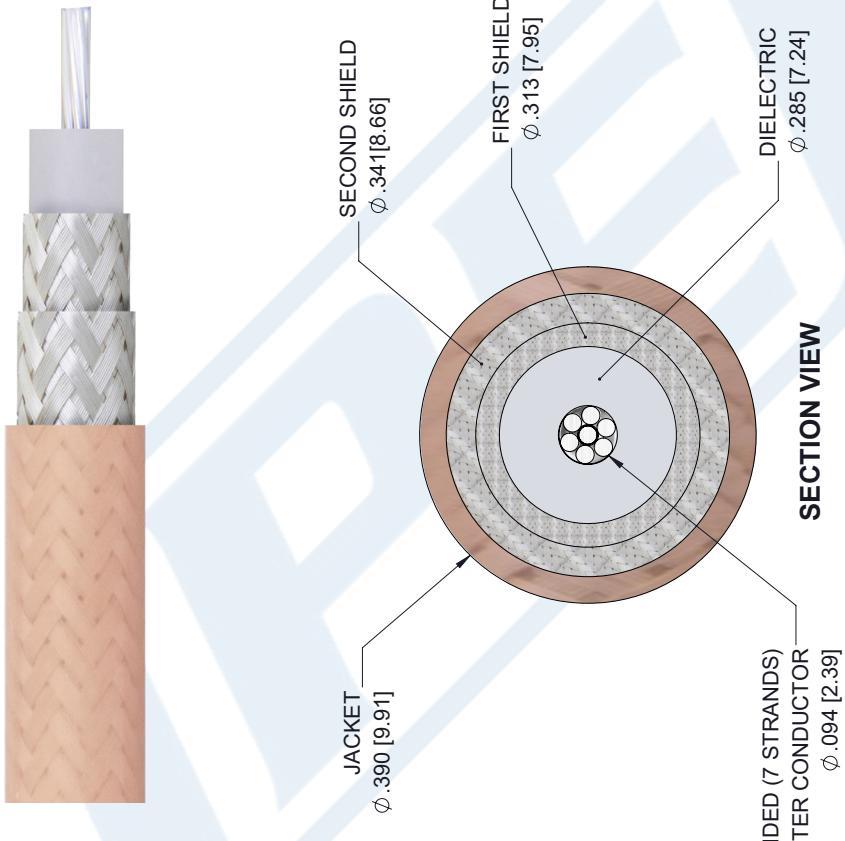
URL: <https://www.pasternack.com/flexible-rg393u-fep-jacket-silver-plated-copper-braid-over-silver-plated-copper-braid-outer-conductor-double-shielded-rg393-u-p.aspx>

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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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