

SMA Male Connector Clamp/Solder Attachment  
 for RG55, RG58, RG141, RG142, RG223, RG303,  
 RG400, PE-C195, PE-P195, LMR-195



## RF Connectors Technical Data Sheet

PE4027

### Configuration

- SMA Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry

- RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195 Interface Type
- Clamp/Solder Attachment
- 5/16 inch Hex

### Features

- Gold Plated Brass Contact
- Contact plating according to MIL-G-45204

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4027 SMA male connector with clamp/solder attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195 and LMR-195 is part of our full line of RF components available for same-day shipping.

Our SMA male connector PE4027 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.

### Mechanical Specifications

#### Size

Length  
 Width/Dia.

0.8 in [20.32 mm]  
 0.312 in [7.92 mm]

Weight

0.012 lbs [5.44 g]

Mating Torque

3 to 5 in-lbs [0.34 to 0.57 Nm]

### Material Specifications

Description	Material	Plating
Contact	Brass	Gold MIL-G-45204
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel QQ-N-290

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195 PE4027](#)



SMA Male Connector Clamp/Solder Attachment  
for RG55, RG58, RG141, RG142, RG223, RG303,  
RG400, PE-C195, PE-P195, LMR-195

## RF Connectors Technical Data Sheet

PE4027

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

### Plotted and Other Data

Notes:

SMA Male Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195 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.

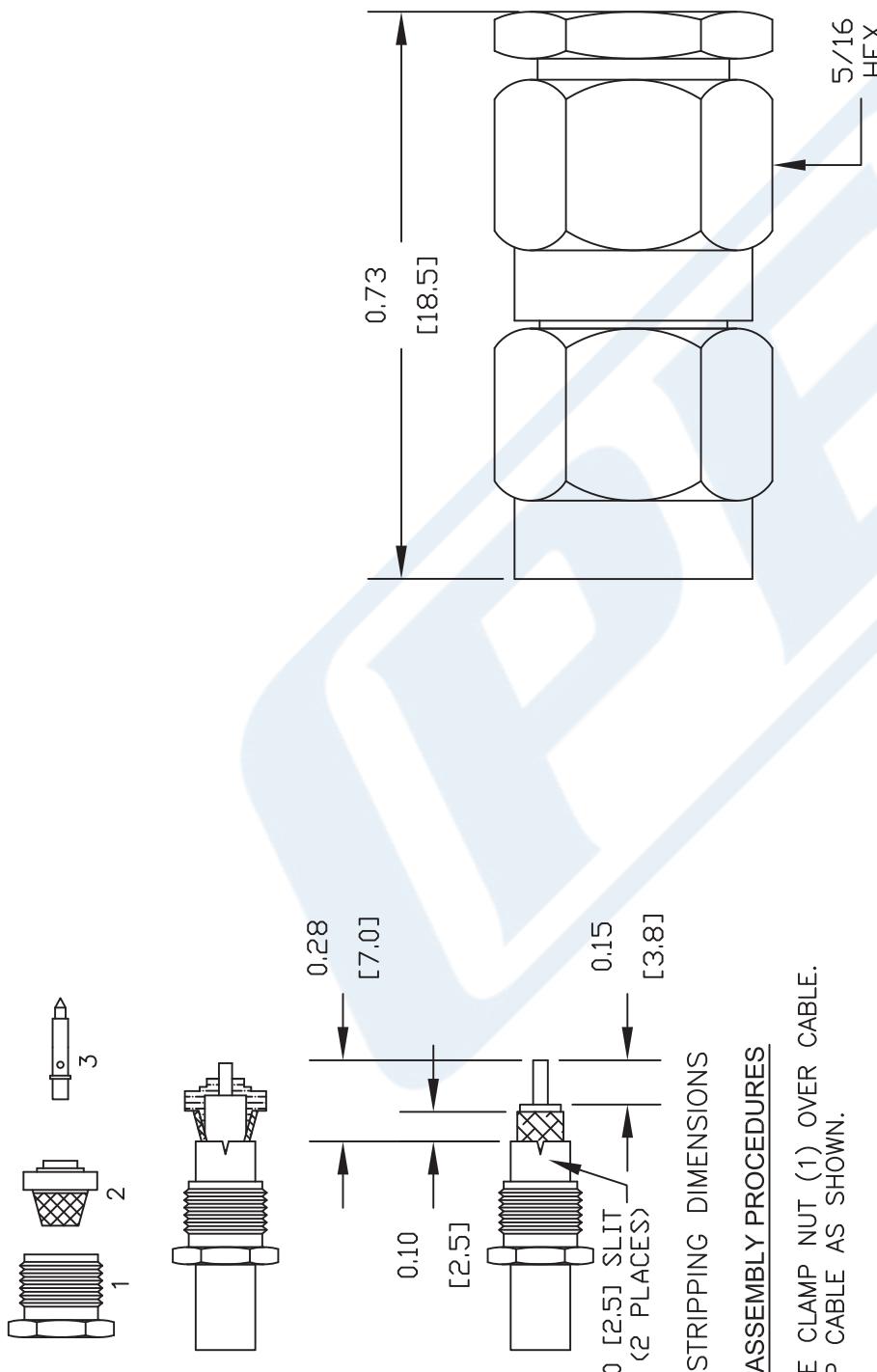
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195 PE4027](#)

URL: <https://www.pasternack.com/sma-male-standard-rg58-rg55-rg142-rg223-rg400-connector-pe4027-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.

# PE4027 CAD Drawing

SMA Male Connector Clamp/Solder Attachment for RG55, RG58, RG141,  
RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195



1. SLIDE CLAMP NUT (1) OVER CABLE.  
STRIP CABLE AS SHOWN.
2. FLARE BRAID AND SLIDE CLAMP (2)  
OVER DIELECTRIC AND UNDER BRAID  
UNTIL THE CLAMP STOPS. TRIM  
EXCESS BRAID TO DIAMETER OF  
THE CLAMP (2).
3. SLIDE CONTACT OVER CENTER  
CONDUCTOR AND INTO CLAMP  
INSULATOR. SOLDER CONTACT ONTO  
CENTER CONDUCTOR.
4. INSERT ASSEMBLY INTO BODY AND  
TIGHTEN.

**PE PASTERNACK®**

**PE4027**

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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.

REV. -	FSCM NO.	53919	CAD FILE	030704	SCALE N/A	SIZE A	147
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## TNC Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

### RF Connectors Technical Data Sheet

PE4450

#### Configuration

- TNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- RG55, RG141, RG142, RG223, RG400 Interface Type
- Crimp/Solder Attachment

#### Features

- Max. Operating Frequency 3 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4450 TNC male right angle connector with crimp/solder attachment for RG55, RG141, RG142, RG223 and RG400 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 3 GHz and offers good VSWR of 1.3:1. Its right angle body geometry allows for easier connections in tight spaces.

Our TNC male right angle connector PE4450 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		3	GHz
VSWR			1.3:1	
Operating Voltage (AC)			500	Vrms

#### Mechanical Specifications

Size	1.35 in [34.29 mm]
Length	0.57 in [14.48 mm]
Width/Dia.	1.14 in [28.96 mm]
Height	
Weight	0.062 lbs [28.12 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 Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4450](#)



## TNC Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

### RF Connectors Technical Data Sheet

PE4450

#### 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:

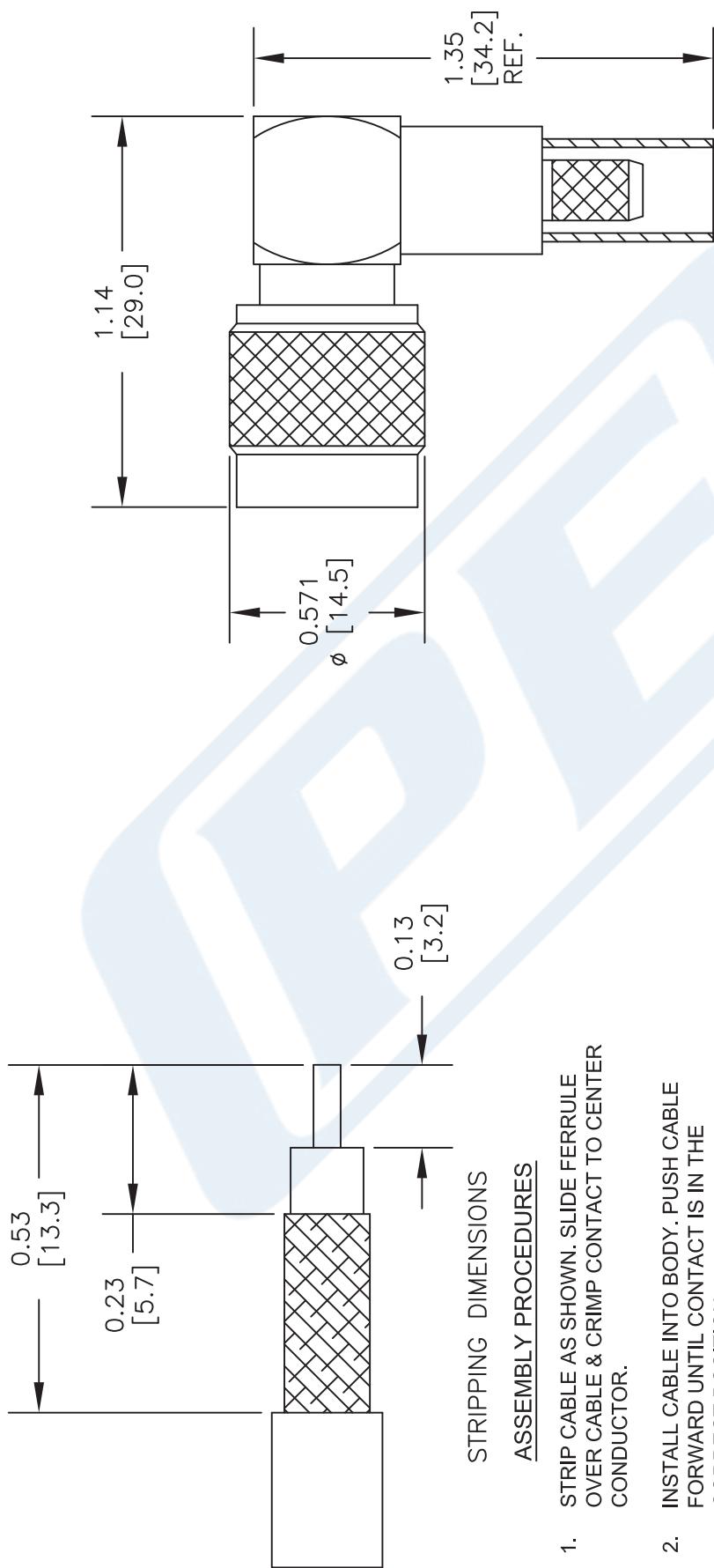
TNC Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4450](#)

URL: <https://www.pasternack.com/tnc-male-standard-rg55-rg141-rg142-rg223-rg400-connector-pe4450-p.aspx>

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**PE4450 CAD Drawing**  
 TNC Male Right Angle Connector Crimp/Solder Attachment  
 for RG55, RG141, RG142, RG223, RG400



**CRIMP SIZE REQUIRED**

CONTACT: .068" HEX CRIMP TOOL  
 FERRULE: .213" HEX CRIMP TOOL

**PASTERNACK**  
 THE ENGINEER'S RF SOURCE

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CRIMP SIZE	DWG TITLE
	<b>PE4450</b>

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SIZE	A	2233

# Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket

## TECHNICAL DATA SHEET

**RG400/U**

### Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket

#### Configuration

Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Shield Materials	Silver Plated Copper Braid, Silver Plated Copper Braid
Jacket Material and Color	FEP, Tan

#### Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	69.5
Maximum Operating Frequency, GHz	12.4
Capacitance, pF/ft [pF/m]	32 [104.99]
Maximum Operating Voltage, Volts	1,900

#### Electrical Specifications by Frequency

##### Frequency 1

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	4.4 [14.44]

##### Frequency 2

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	14.7 [48.23]

##### Frequency 3

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	36 [118.11]

##### Frequency 4

Frequency, GHz	11
Attenuation, dB/100ft [dB/100m]	57.9 [189.96]

#### Mechanical Specifications

##### Temperature

Operating Range, deg C	-55 to +200
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##### Inner Conductor

Number of Strands	19
Material	Copper
Plating	Silver
Diameter, in [mm]	0.039 [0.99]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket RG400/U](#)

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# Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket

## TECHNICAL DATA SHEET

**RG400/U**
**Dielectric:**

Type PTFE  
Diameter, in [mm] 0.116 [2.95]

**Shield:**

Number of 2  
Material 1 Silver Plated Copper Braid  
Material 2 Silver Plated Copper Braid  
Diameter, in [mm] 0.156 [3.96]

**Jacket:**

Material FEP  
Diameter, in [mm] 0.195 [4.95]  
Color Tan  
One Time Minimum Bend Radius, in [mm] 1 [25.4]  
Weight, lbs/ft [Kg/m] 0.046 [0.07]

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant Yes

**Plotted and Other Data**

Notes: Values at 25 °C, sea level

Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

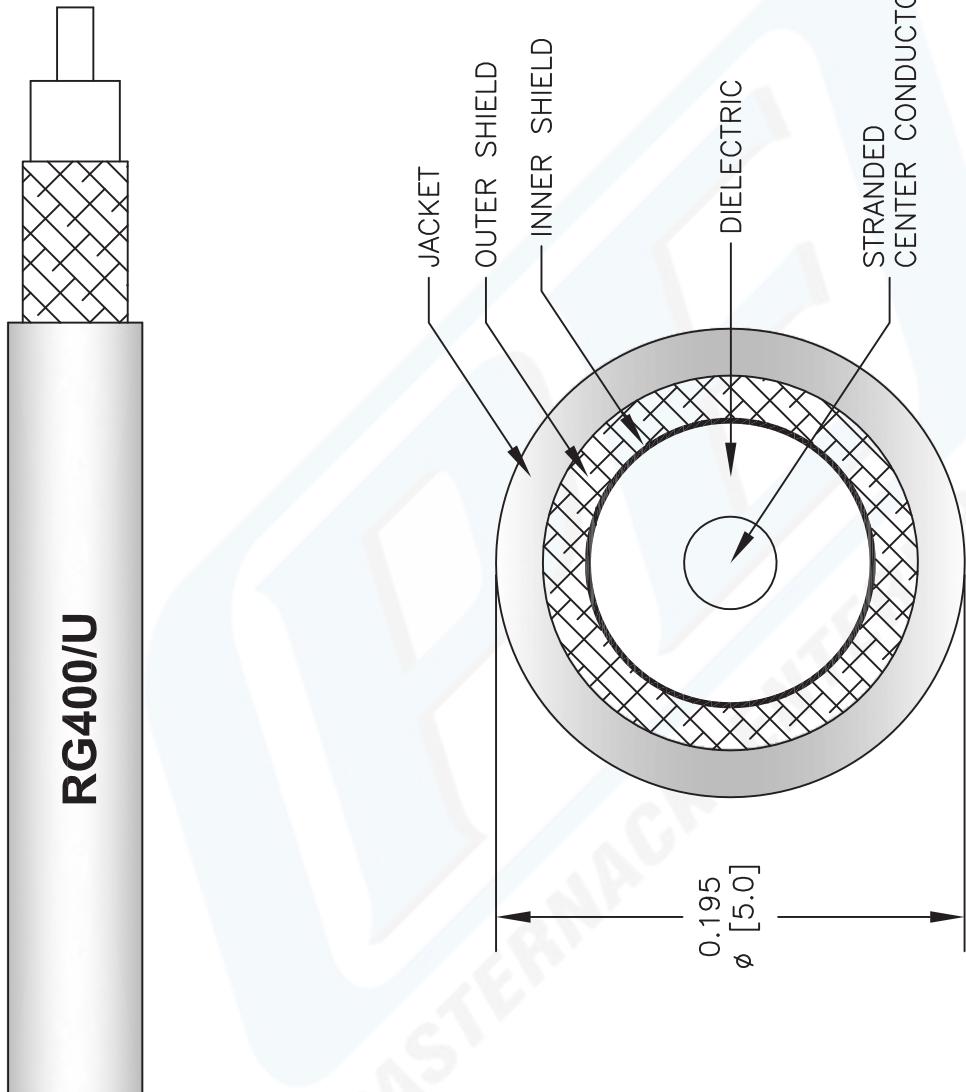
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket RG400/U](http://www.pasternack.com/flexible-0.195-rg400-stranded-center-conductor-50-ohm-coax-cable-fep-jacket-rg400-u-p.aspx)

URL: <http://www.pasternack.com/flexible-0.195-rg400-stranded-center-conductor-50-ohm-coax-cable-fep-jacket-rg400-u-p.aspx>

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# RG400/U CAD Drawing

Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket



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PASTERNACK®	DWG TITLE	RG400/U		
FSCM NO.	CAD FILE	02908-A	SCALE	SIZE A
				2233

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