



3.5mm Female Connector Clamp/Solder
Attachment For RG402/U, PE-SR402FL

TECHNICAL DATA SHEET

PE45011

Configuration

Connector	3.5mm Female
Connector Interface Type	RG402/U, PE-SR402FL
Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Straight

Electrical Specifications

Impedance, Ohms	50
-----------------	----

Mechanical Specifications

Size

Length, in [mm]	0.862 [21.89]
Width/Dia., in [mm]	0.351 [8.92]

Connector

Type	3.5mm Female
Contact Material and Plating	Beryllium Copper, Gold
Contact Plating Specification	50µ in. minimum
Body Material and Plating	Passivated Stainless Steel
Body Plating Specification	SAE-AMS-2700
Dielectric Type	PCTFE

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant

Plotted and Other Data

Notes:

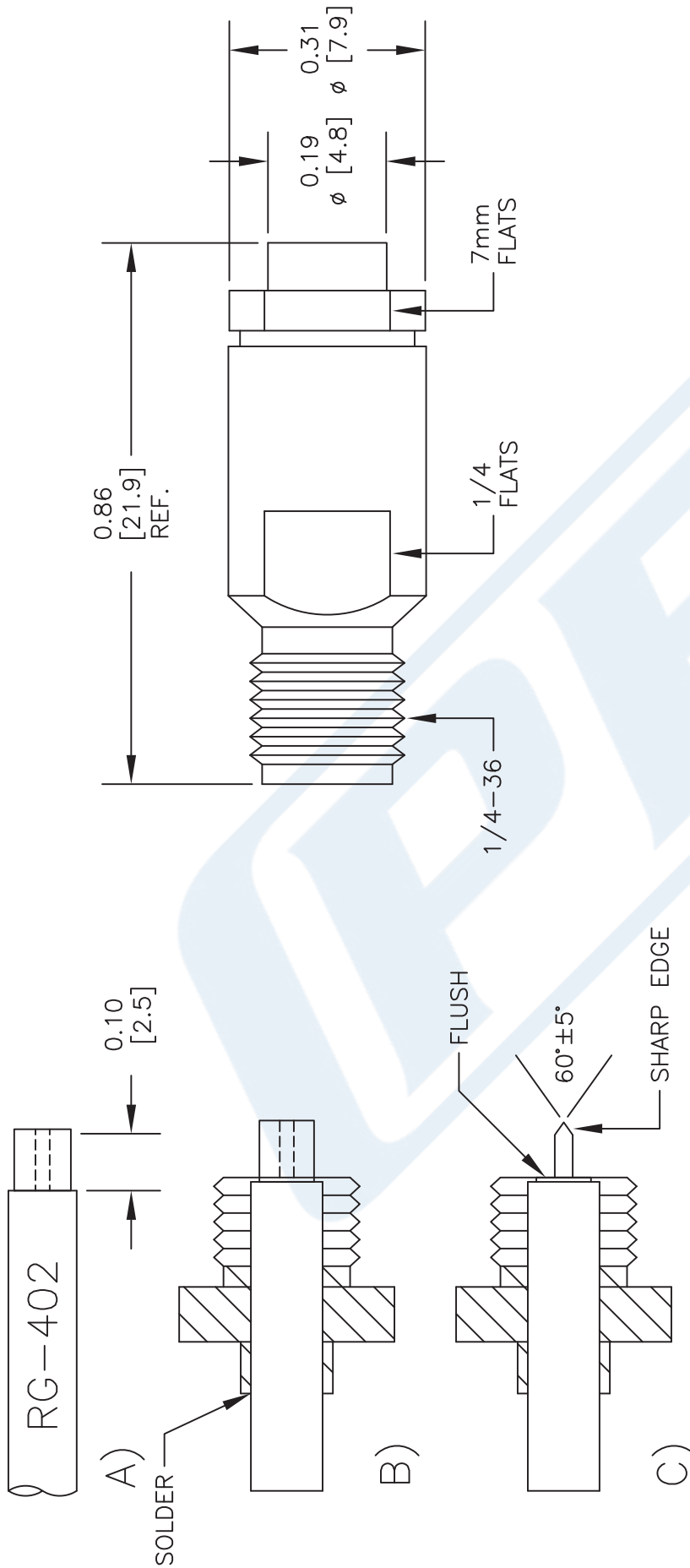
- Values at +25 °C, sea level

3.5mm Female Connector Clamp/Solder Attachment For RG402/U, PE-SR402FL 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: [3.5mm Female Connector Clamp/Solder Attachment For RG402/U, PE-SR402FL PE45011](http://www.pasternack.com/3.5mm-female-standard-rg402-u-pe-sr402fl-connector-pe45011-p.aspx)

URL: <http://www.pasternack.com/3.5mm-female-standard-rg402-u-pe-sr402fl-connector-pe45011-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.



ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN IN (A). DO NOT NICK CENTER DIELECTRIC.
2. INSERT CABLE THROUGH CLAMP NUT AS SHOWN IN (B). SOLDER OUTER CONDUCTOR TO CLAMP NUT.
3. TRIM CABLE DIELECTRIC FLUSH FACE OF CLAMP AS SHOWN IN (C). POINT CABLE CENTER CONDUCTOR AS SHOWN IN (C)
4. SCREW ASSEMBLY INTO BODY & TIGHTEN (25-30 IN-LBS).

DWG TITLE

PE45011

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].

FSCM NO. 53919

SIZE A

150

PE PASTERNAK®
THE ENGINEER'S RF SOURCE
Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com



3.5mm Female Connector Clamp/Solder
Attachment For RG402/U, PE-SR402FL

TECHNICAL DATA SHEET

PE45011

Configuration

Connector	3.5mm Female
Connector Interface Type	RG402/U, PE-SR402FL
Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Straight

Electrical Specifications

Impedance, Ohms	50
-----------------	----

Mechanical Specifications

Size

Length, in [mm]	0.862 [21.89]
Width/Dia., in [mm]	0.351 [8.92]

Connector

Type	3.5mm Female
Contact Material and Plating	Beryllium Copper, Gold
Contact Plating Specification	50µ in. minimum
Body Material and Plating	Passivated Stainless Steel
Body Plating Specification	SAE-AMS-2700
Dielectric Type	PCTFE

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant

Plotted and Other Data

Notes:

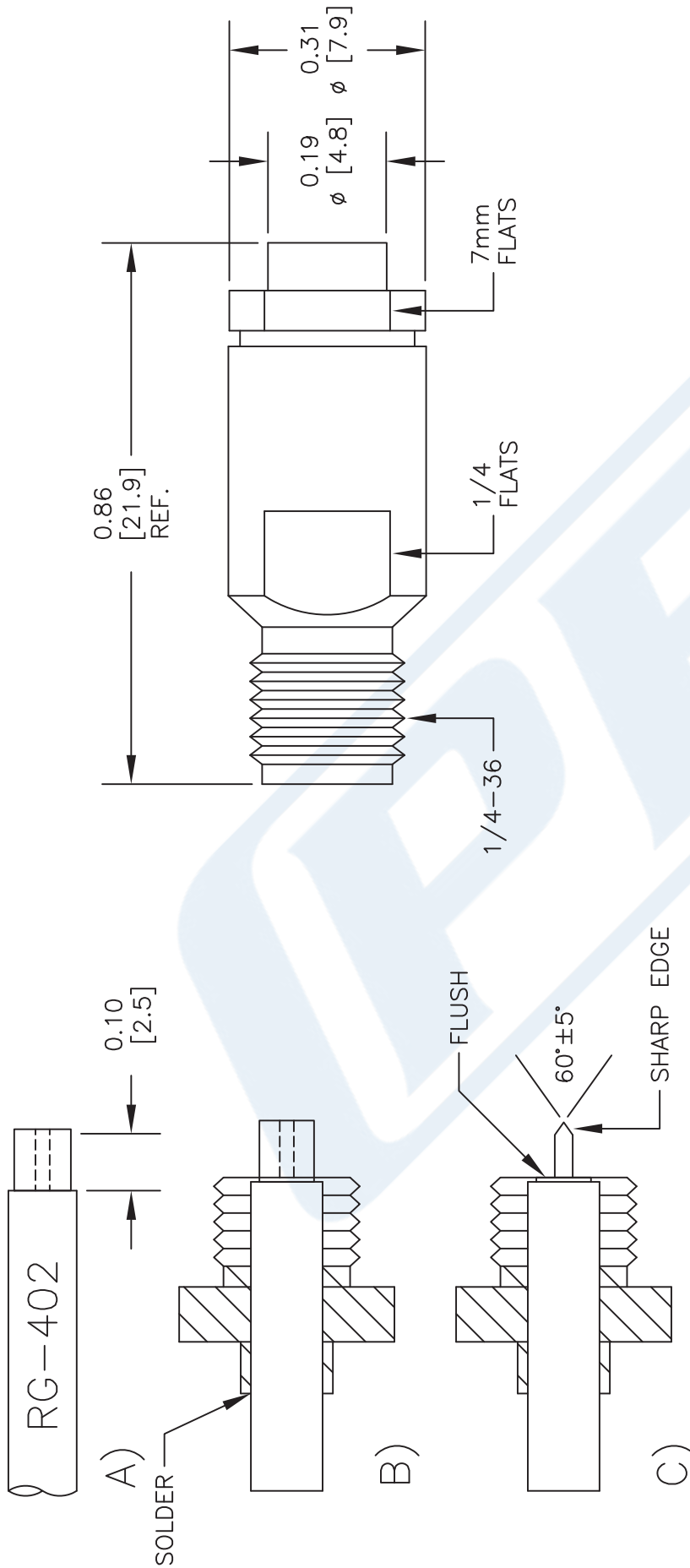
- Values at +25 °C, sea level

3.5mm Female Connector Clamp/Solder Attachment For RG402/U, PE-SR402FL 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: [3.5mm Female Connector Clamp/Solder Attachment For RG402/U, PE-SR402FL PE45011](http://www.pasternack.com/3.5mm-female-standard-rg402-u-pe-sr402fl-connector-pe45011-p.aspx)

URL: <http://www.pasternack.com/3.5mm-female-standard-rg402-u-pe-sr402fl-connector-pe45011-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.



ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN IN (A). DO NOT NICK CENTER DIELECTRIC.
2. INSERT CABLE THROUGH CLAMP NUT AS SHOWN IN (B). SOLDER OUTER CONDUCTOR TO CLAMP NUT.
3. TRIM CABLE DIELECTRIC FLUSH FACE OF CLAMP AS SHOWN IN (C). POINT CABLE CENTER CONDUCTOR AS SHOWN IN (C)
4. SCREW ASSEMBLY INTO BODY & TIGHTEN (25-30 IN-LBS).

PE PASTERNAK®
THE ENGINEER'S RF SOURCE
Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE
PE45011

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].

FSCM NO. 53919

CAD FILE 031414

SCALE N/A

SIZE A

150

Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

TECHNICAL DATA SHEET

PE-SR402FL

Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

Formable semi-rigid coax is a hand formable version of standard semi-rigid that does not require complicated and costly preformed cable assemblies. Because the dimensions and electrical characteristics are so closely matched to semi-rigid coax, standard semi-rigid connectors can be used. The tin soaked copper braid outer shield provides excellent RF shielding.

- Dimensionally the same as standard solid outer conductor semi-rigid coax
- Standard semi-rigid connectors can be used
- Cable is hand formable and does not require special tools to bend
- Connectors are easily soldered to Tin soaked outer conductor
- Cable can be formed more than once without damage to outer conductor
- High RF Shielding >100 dB

Configuration

Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Shield Materials	Tinned Copper Braid

Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	69.5
Time Delay, ns/ft [ns/m]	1.43 [4.69]
Maximum Operating Frequency, GHz	34
RF Shielding, dB	100
Capacitance, pF/ft [pF/m]	29 [95.14]
Maximum Operating Voltage, Volts	1,900

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	11.88 [38.98]

Frequency 2

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	28 [91.86]

Frequency 3

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	42.1 [138.12]

Frequency 4

Frequency, GHz	20
Attenuation, dB/100ft [dB/100m]	64 [209.97]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR402FL](#)

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.

Formable 141 Semi-rigid Coax Cable with
Tinned Copper Braid Outer Conductor

TECHNICAL DATA SHEET

PE-SR402FL

Mechanical Specifications

Temperature

Operating Range, deg C -55 to +125

Inner Conductor

Number of Strands 1
Material Copper
Plating Silver
Diameter, in [mm] 0.036 [0.91]

Dielectric:

Type PTFE
Diameter, in [mm] 0.117 [2.97]

Shield:

Number of 1
Material 1 Tinned Copper Braid
Diameter, in [mm] 0.139 [3.53]

Jacket:

One Time Minimum Bend Radius, in [mm] 0.315 [8]
Repeated Minimum Bend Radius, in [mm] 1.57 [39.88]
Weight, lbs/ft [Kg/m] 0.027 [0.04]

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant Yes

Plotted and Other Data

Notes: Values at 25 °C, sea level

Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor 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.

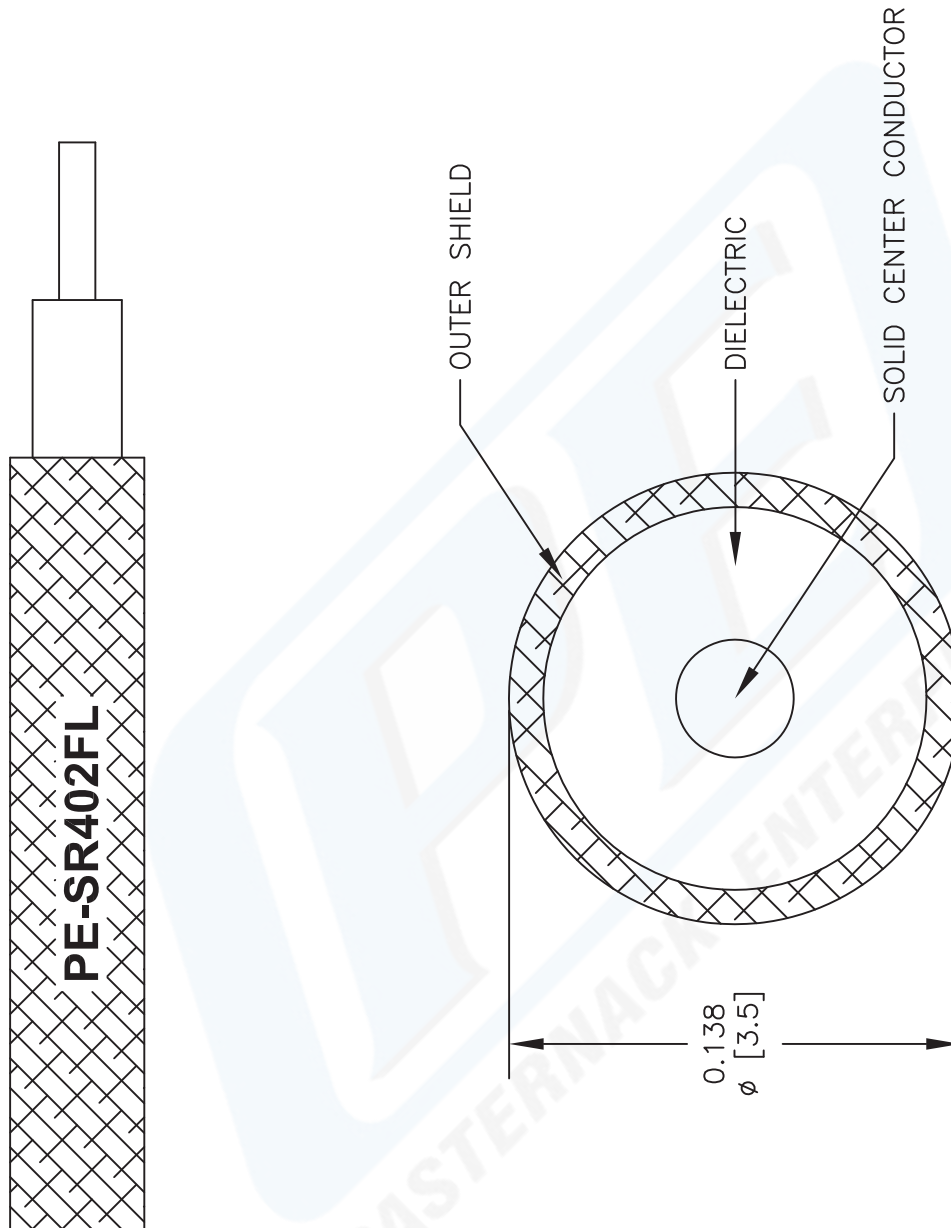
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR402FL](http://www.pasternack.com/formable-0.141-semirigid-replacement-50-ohm-coax-cable-tinned-braid-pe-sr402fl-p.aspx)

URL: <http://www.pasternack.com/formable-0.141-semirigid-replacement-50-ohm-coax-cable-tinned-braid-pe-sr402fl-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.

PE-SR402FL CAD Drawing

Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor



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].

DWG TITLE
PE-SR402FL

FSCM NO. 53919

PASTERNAK®
Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com

2233

SIZE A

SCALE N/A

CAD FILE 082609-B