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MCX Jack Connector Crimp/Solder Attachment for RG188-DS, RG316-DS

RF Connectors
Technical Data Sheet

PE4885

Configuration

- MCX Jack Connector
- 50 Ohms
- Straight Body Geometry
- RG188-DS, RG316-DS Interface Type
- Crimp/Solder Attachment

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4885 MCX jack connector with crimp/solder attachment for RG188-DS and RG316-DS is part of our full line of RF components available for same-day shipping.

Our MCX jack connector PE4885 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

Weight 0.006 lbs [2.72 g]

Material Specifications

Description	Material	Plating
Body	Brass	Nickel

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: MCX Jack Connector Crimp/Solder Attachment for RG188-DS, RG316-DS PE4885

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MCX Jack Connector Crimp/Solder Attachment for RG188-DS, RG316-DS

RF Connectors
Technical Data Sheet

PE4885

MCX Jack Connector Crimp/Solder Attachment for RG188-DS, RG316-DS 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: MCX Jack Connector Crimp/Solder Attachment for RG188-DS, RG316-DS PE4885

URL: https://www.pasternack.com/mcx-jack-rg188-ds-rg316-ds-connector-pe4885-p.aspx

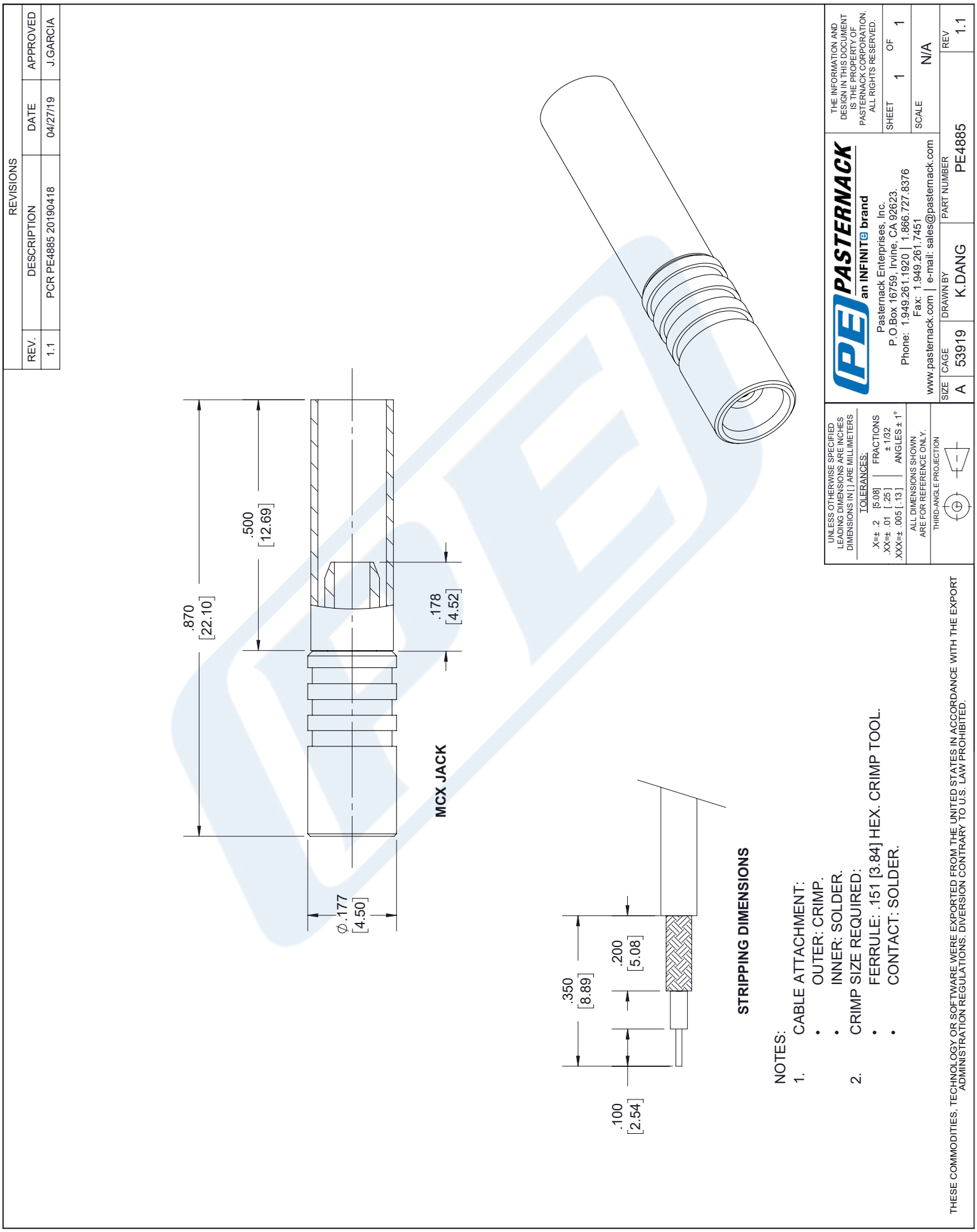
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PE4885 CAD Drawing

MCX Jack Connector Crimp/Solder Attachment for RG188-DS, RG316-DS



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SMB Jack Connector Crimp/Solder Attachment for RG188-DS, RG316-DS

RF Connectors
Technical Data Sheet

PE45158

Configuration

- SMB Jack Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG188-DS, RG316-DS

Features

- Max. Operating Frequency 4 GHz
- Gold Plated Brass Contact
- 30 µ in. Minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE45158 SMB jack connector with crimp/solder attachment for RG188-DS and RG316-DS is part of our full line of RF components available for same-day shipping. Our SMB jack connector operates up to a maximum frequency of 4 GHz.

Our SMB jack connector PE45158 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		4	GHz
Operating Voltage (AC)			335	Vrms

Mechanical Specifications

Size

Length	0.97 in [24.64 mm]
Width/Dia.	0.25 in [6.35 mm]
Height	0 in [0 mm]
Weight	0.006 lbs [2.72 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMB Jack Connector Crimp/Solder Attachment for RG188-DS, RG316-DS PE45158

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SMB Jack Connector Crimp/Solder Attachment for RG188-DS, RG316-DS

RF Connectors
Technical Data Sheet

PE45158

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µ in. Minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µ 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:

SMB Jack Connector Crimp/Solder Attachment for RG188-DS, RG316-DS 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: SMB Jack Connector Crimp/Solder Attachment for RG188-DS, RG316-DS PE45158

URL: https://www.pasternack.com/smb-jack-rg188-ds-rg316-ds-connector-pe45158-p.aspx

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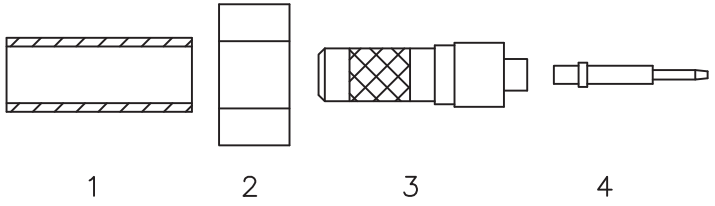
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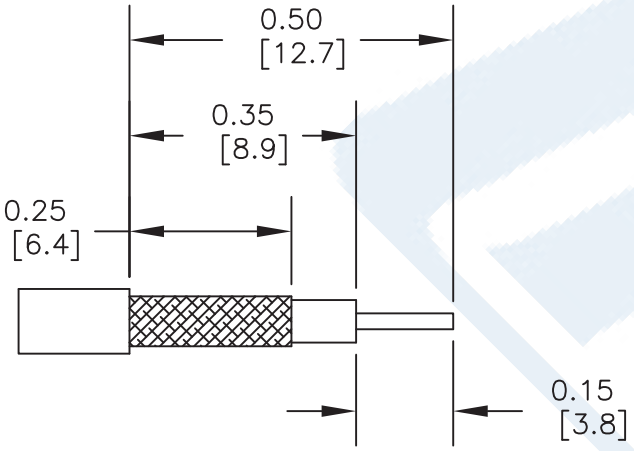
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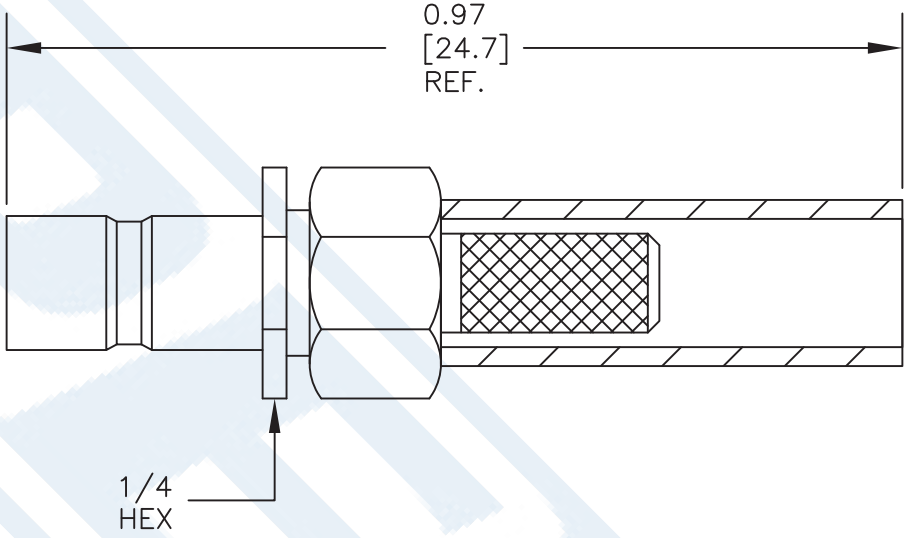
PE45158 CAD Drawing

SMB Jack Connector Crimp/Solder Attachment for RG188-DS, RG316-DS





STRIPPING DIMENSIONS



ASSEMBLY PROCEDURES

1. SLIDE FERRULLE (1) & CRIMP NUT (2) OVER CABLE. STRIP CABLE AS SHOWN. TIN CENTER CONDUCTOR.

2. FLAIR BRAID & INSERT EXTENSION (3) SLIDING UNDER BRAID. DIELECTRIC MUST SEAT AGAINST INSULATOR IN EXTENSION WITH CENTER CONDUCTOR PROTRUDING THROUGH INSULATOR.

3. SOLDER CONTACT TO CENTER CONDUCTOR. INSTALL CABLE ASSEMBLY INTO BODY & TIGHTEN.

CRIMP SIZE REQUIRED

FERRULE: .151" HEX CRIMP TOOL

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DWG TITLE

PE45158

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 081616	SCALE N/A	SIZE A	2233

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Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket

RF Cables
Technical Data Sheet

RG316-DS

Configuration

- Flexible Cable
- 2 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%
Shielding Effectiveness	85			dB
Operating Voltage (AC)			1,200	Vrms
Inner Conductor DC Resistance			83.82	Ohms/1000ft
Outer Conductor DC Resistance			5.33	Ohms/1000ft
Nominal Capacitance		28.96 [95.01]		pF/ft [pF/m]
Insulation Resistance	304.8			MOhms/1000ft

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.4	1	2	3	GHz
Attenuation, Max	10.97	20.97	37.95	45.05	57.94	dB/100ft
	35.99	68.8	124.51	147.8	190.09	dB/100m
Attenuation, Typ	8.29	17.5	29	39.41	53.55	dB/100ft
	27.2	57.41	95.14	129.3	175.69	dB/100m
Input Power (CW), Max	375	185	120	85	65	Watts

Mechanical Specifications

Diameter	0.114 in [2.9 mm]
Weight	0.015 lbs/ft [0.02 Kg/m]
Min. Bend Radius (Installation)	0.59 in [14.99 mm]
Min. Bend Radius (Repeated)	1.57 in [39.88 mm]

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket RG316-DS

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Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket

RF Cables
Technical Data Sheet

RG316-DS

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 7 Strands	0.02 in 0.51 mm
Conductor Type	Stranded	
Dielectric	PTFE	0.06 in [1.52 mm]
First Shield	Silver Plated Copper Braid	
Second Shield	Silver Plated Copper Braid	0.094 in 2.39 mm
Jacket	FEP, Tan	0.114 in [2.9 mm]

Environmental Specifications

Temperature

Operating Range	-55 to +200 deg C
Storage Range	0 to +40 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Flexible RG316-DS 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 RG316-DS Coax Cable Double Shielded with Tan FEP Jacket RG316-DS

URL: https://www.pasternack.com/flexible-0.114-rg316-ds-50-ohm-coax-cable-fep-jacket-rg316-ds-p.aspx

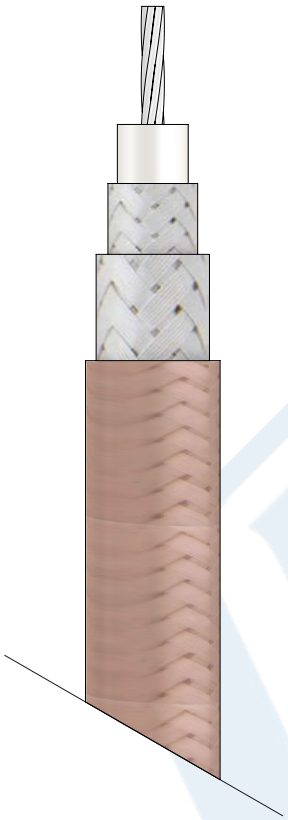
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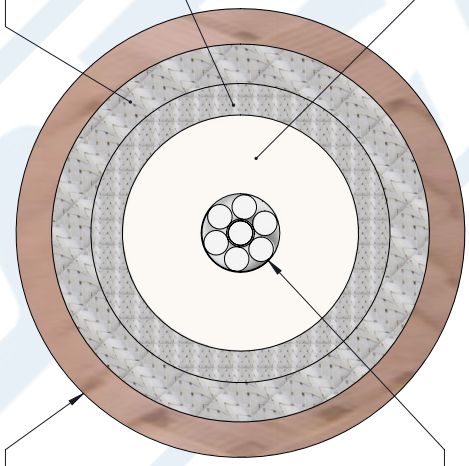
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RG316-DS CAD Drawing

Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket





SECTION VIEW

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1.1	PCR RG316-DS 20190701	07/15/19	S.ELLIS

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS
TOLERANCES:
.X=± .2 [5.08] | FRACTIONS ± 1/32
.XX=± .01 [.25] | ANGLES ± 1°
.XXX=± .005 [.13]
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.
THIRD-ANGLE PROJECTION

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SIZE	CAGE	DRAWN BY	PART NUMBER	REV
A	53919	K.Dang	RG316-DS	A

SCALE N/A | SHEET 1 OF 1

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