



7/16 DIN Male Connector Clamp/Solder Attachment for RG393, RG214, RG225, RG215, RG8

RF Connectors Technical Data Sheet

PE4567

Configuration

- 7/16 DIN Male Connector
- IEC 169-4
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG393, RG214, RG225, RG215, RG8
- 32 mm Hex

Features

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

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4567 7/16 DIN male connector with clamp/solder attachment for RG393, RG214, RG225, RG215 and RG8 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 1 GHz and offers good VSWR of 1.3:1.

Our 7/16 DIN male connector PE4567 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		1,000	MHz
VSWR			1.3:1	
Operating Voltage (AC)			2,700	Vrms

Mechanical Specifications

Size	
Length	1.5 in [38.1 mm]
Width/Dia.	1.25 in [31.75 mm]
Weight	0.227 lbs [102.97 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 Clamp/Solder Attachment for RG393, RG214, RG225, RG215, RG8 PE4567](#)



7/16 DIN Male Connector Clamp/Solder Attachment
for RG393, RG214, RG225, RG215, RG8

RF Connectors
Technical Data Sheet

PE4567

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum

Mechanical Specification Notes:

When attaching the connector to the cable use a clamp torque value of 60 to 65 in-lbs [6.78 to 7.34 Nm]

Environmental Specifications

Temperature

Operating Range -55 to +155 deg C

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: [7/16 DIN Male Connector Clamp/Solder Attachment for RG393, RG214, RG225, RG215, RG8 PE4567](#)

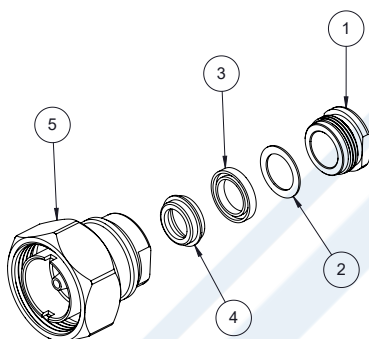


7/16 DIN Male Connector Clamp/Solder Attachment
for RG393, RG214, RG225, RG215, RG8

RF Connectors
Technical Data Sheet

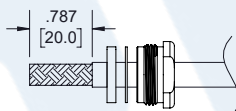
PE4567

Assembly Instruction

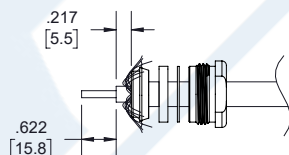


ASSEMBLY PROCEDURES

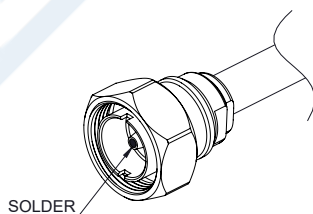
1. SLIDE CLAMP NUT ①, WASHER ② & GASKET ③ OVER CABLE. STRIP AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO CABLE PERMIT ASSEMBLY OF BRAID CLAMP ④.



2. SLIDE BRAID CLAMP ④ OVER BRAID & SEAT AGAINST CABLE. FORM BRAID OVER CLAMP NUT ① TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR INSERT CABLE INTO BODY AND TIGHTEN CLAMP NUT TO 60-65 IN-LBS.



3. SOLDER CENTER CONDUCTOR TO CENTER PIN FROM THE END. REMOVE EXCESS SOLDER FOR A FLUSHED FINISH.



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 Clamp/Solder Attachment for RG393, RG214, RG225, RG215, RG8 PE4567](#)



7/16 DIN Male Connector Clamp/Solder Attachment for RG393, RG214, RG225, RG215, RG8

RF Connectors Technical Data Sheet

PE4567

7/16 DIN Male Connector Clamp/Solder Attachment for RG393, RG214, RG225, RG215, RG8 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 Clamp/Solder Attachment for RG393, RG214, RG225, RG215, RG8 PE4567](https://www.pasternack.com/7-16-male-rg213-rg214-rg8-rg9-rg225-rg393-connector-pe4567-p.aspx)

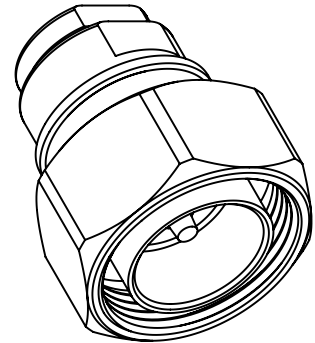
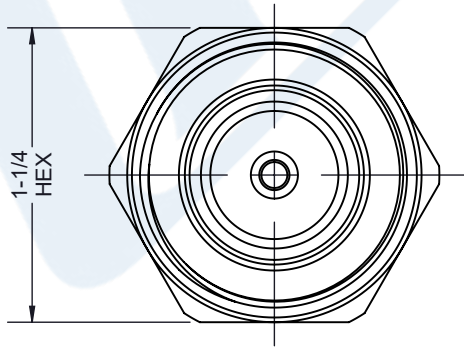
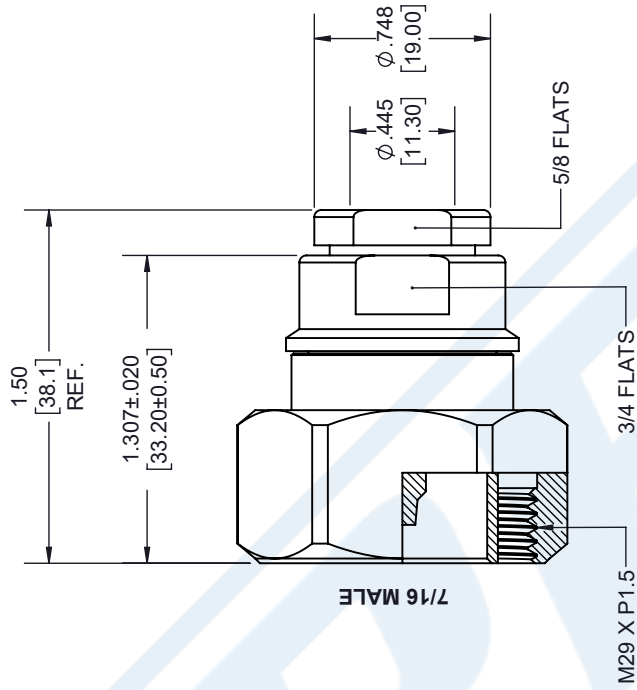
URL: <https://www.pasternack.com/7-16-male-rg213-rg214-rg8-rg9-rg225-rg393-connector-pe4567-p.aspx>

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.

PE4567 CAD Drawing

7/16 DIN Male Connector Clamp/Solder Attachment for
RG393, RG214, RG225, RG215, RG8

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR PE4567	9/17/2020	S. ELLIS



UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

X = ±.2	[.008]	FRACTIONS
.XX = ±.02	[.51]	±1/32
.XXX = ±.005	[.13]	ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305]	±.1 [25]	/ -0
12 [305] < L ≤ 60 [1524]	±.2 [51]	/ -0
60 [1524] < L ≤ 120 [3048]	±.4 [102]	/ -0
120 [3048] < L ≤ 300 [7620]	±.6 [152]	/ -0
300 [7620] < L	±.5% L	/ -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

PE PASTERNAK
an INFINITE brand

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SHEET 1 OF 1

SCALE N/A

REV A

ITEM NO. PE4567

SIZE A

CAGE CODE 53919

DRAWN BY K.Dang



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

RF Connectors Technical Data Sheet

PE4048

Configuration

- N Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG214, RG9, RG225, RG393

Features

- Max. Operating Frequency 11 GHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30 μ m minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4048 type N 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 type N male connector operates up to a maximum frequency of 11 GHz and offers good VSWR of 1.5:1.

Our type N male connector PE4048 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			1.5:1	
Operating Voltage (AC)			1,000	Vrms

Mechanical Specifications

Size

Length	1.583 in [40.21 mm]
Width/Dia.	0.79 in [20.07 mm]
Weight	0.072 lbs [32.66 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4048](#)



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

RF Connectors Technical Data Sheet

PE4048

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum
Crimp Sleeve	Brass	Nickel

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

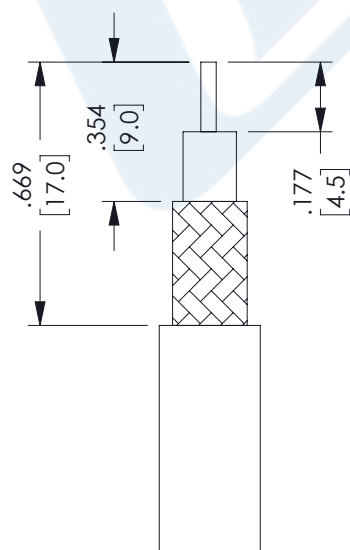
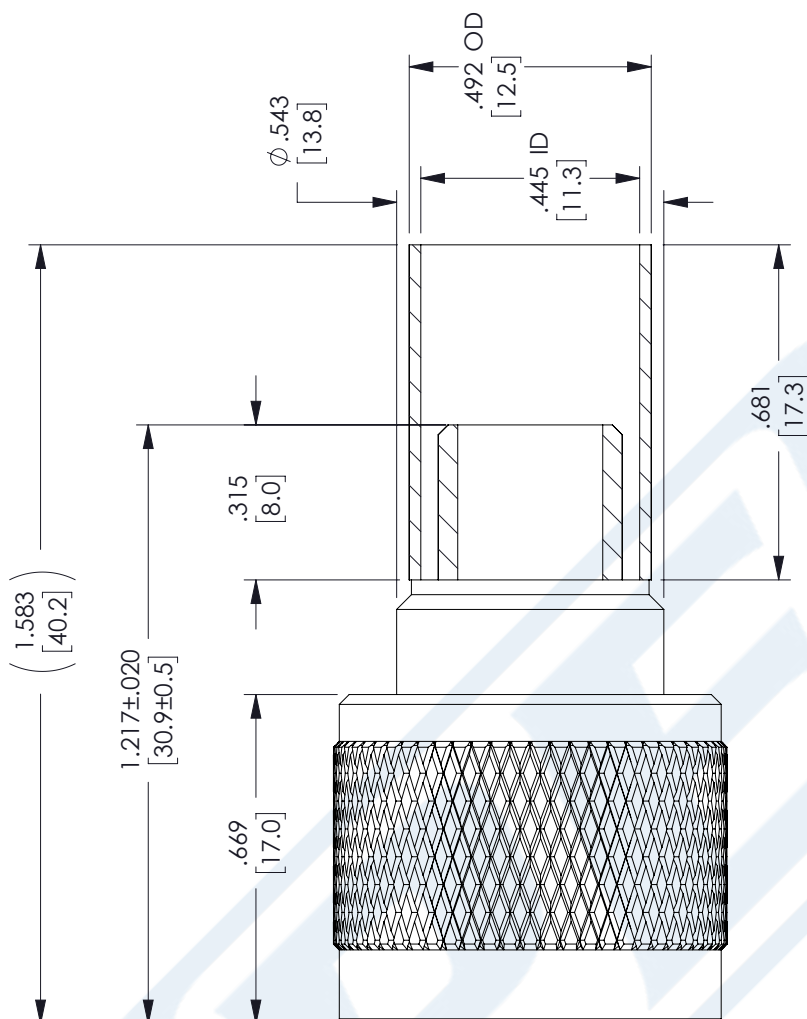
N Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4048](#)

URL: <https://www.pasternack.com/n-male-standard-rg214-rg9-rg225-rg393-connector-pe4048-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.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	PCR PE4048 20220622	6/27/2022	RDELEON



STRIPPING DIMENSIONS

CRIMP SIZES REQUIRED

CONTACT: .100" HEX CRIMP TOOL
FERRULE: .429" HEX CRIMP TOOL

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

.X = ± .2 [5.08] FRACTIONS
.XX = ± .02 [.51] ± 1/32
.XXX = ± .005 [.13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.



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SHEET 1 OF 1

SCALE N/A

REV B



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SIZE A CAGE CODE 53919 DRAWN BY DMAY ITEM NO. PE4048

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Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket

RF Cables Technical Data Sheet

RG214/U

Configuration

- Flexible Cable
- 2 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		11	GHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Operating Voltage (AC)			5,000	Vrms
Nominal Capacitance		30.8 [101.05]		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	0.64	2.07	7.68	20.68	36.51	dB/100ft
	2.1	6.79	25.2	67.85	119.78	dB/100m

Mechanical Specifications

Diameter	0.425 in [10.8 mm]
Weight	0.122 lbs/ft [0.18 Kg/m]
Min. Bend Radius (Repeated)	1.6 in [40.64 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 7 Strands (7 X 0.02961)	0.089 in [2.26 mm]
Conductor Type	Stranded	
Dielectric	PE	0.285 in [7.24 mm]
First Shield	Silver Plated Copper Braid	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket RG214/U](#)



Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket

RF Cables Technical Data Sheet

RG214/U

	90% coverage	
Second Shield	Silver Plated Copper Braid 90% coverage	0.331 in [8.41 mm]
Jacket	PVC, Black	0.425 in [10.8 mm]

Environmental Specifications

Temperature

Operating Range

-20 to +80 deg C

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

Plotted and Other Data

Notes:

Flexible RG214 Coax Cable Double Shielded with Black PVC 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.

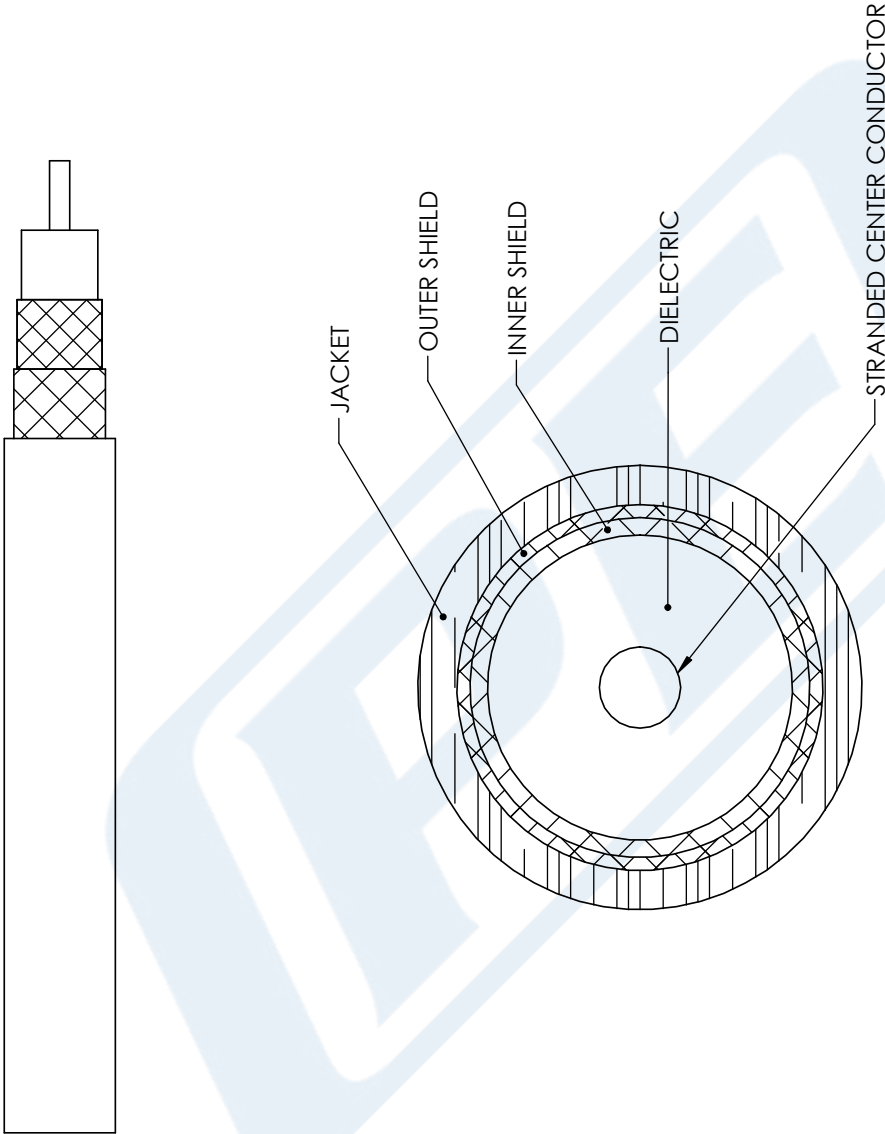
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket RG214/U](#)

URL: <https://www.pasternack.com/flexible-0.425-rg214-50-ohm-coax-cable-pvc-jacket-rg214-u-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.

RG214/U CAD Drawing

Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket



STANDARD TOLERANCES

.X ±0.2
.XX ±0.01
.XXX ±0.005

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

RG214-U

CAGE CODE 53919

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].

CAD FILE 11/29/17

SCALE N/A

SIZE A

CN2245