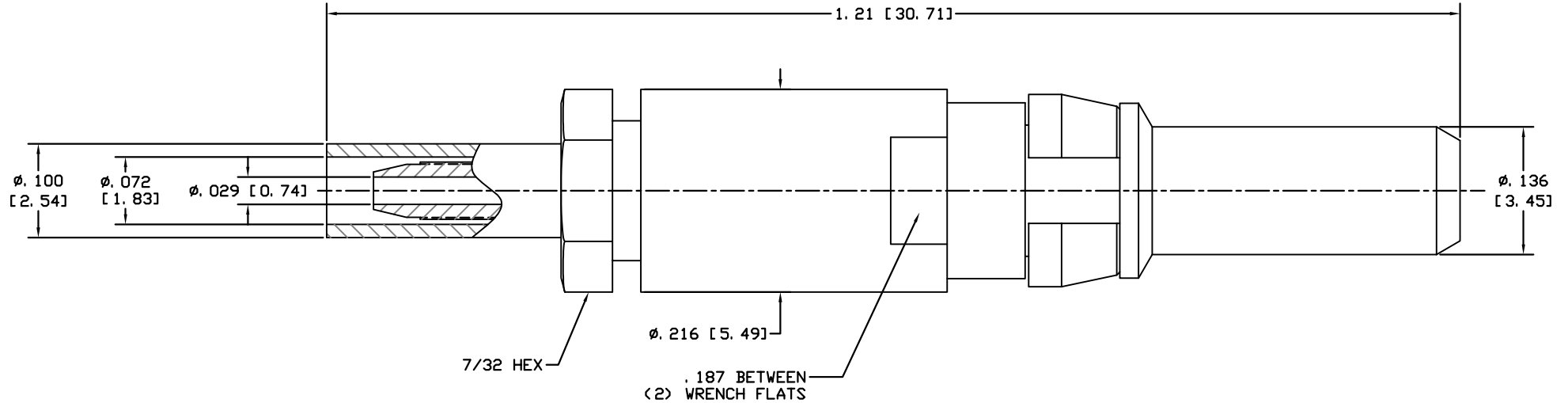


CAD DRAWING - NO MANUAL REVISIONS



NOTES:

- DESIGN AND INTERFACE PER I. D. S. -62J.
- ACCOMMODATES HIROSE 1.13mm OR EQUIVALENT CABLES.
- CONTACT ASSY, CRIMP NUT, AND FERRULE ARE SHIPPED LOOSE.
- CRIMP USING .081 HEX DIE (DANIELS Y1547P).
- 'J' PLATING - TEST TO 20 GAMMA MAX.

				<b>PALCO CONNECTOR</b> 22 GREAT HILL RD., NAUGATUCK, CT 06770 UNLESS OTHERWISE SPECIFIED, PALCO WORKMANSHIP STANDARDS APPLY TOLERANCES ON: DECIMALS: XX ± .01 .XXX ± .005 ANGLES ± 1/2° 32' DIMENSIONS IN INCHES OR (METRIC) DO NOT SCALE PRINTS	DRAWN JEM	CHECKED JEM	ENGINEER JEM	APPROVED JEM	FSCM 58167
						DESCRIPTION SIZE 8 PkZ, HMC PLUG, CRIMP/CLAMP			
A	PER ECN 11686	06/26/13	JEM		DATE	DRAWING NO.		PLATING OPT.	
REV.	DESCRIPTION	DATE	APPR.	CATALOG ITEM	06/26/13	62-0802-0290		J	

CABLE ASSEMBLY PROCEDURE

P/N 62-0802-0290

PAGE 1 OF 1 DATE: 06/26/13

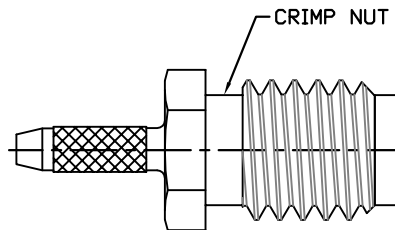
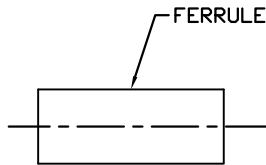
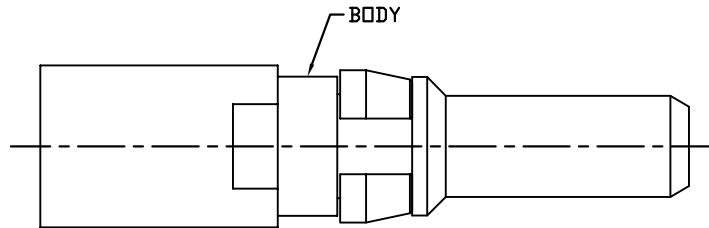
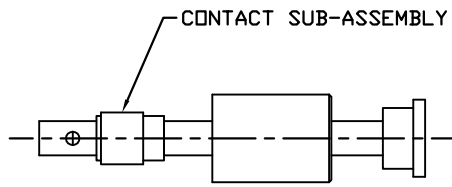
DRAWN: JEM APPROVED: JEM

FOR USE WITH HIROSE 1.33mm CABLE

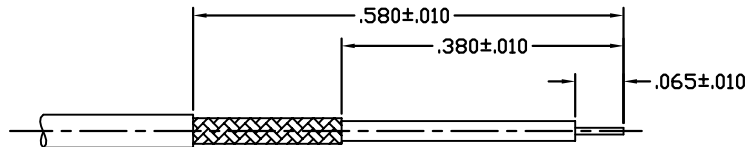
# PALEO CONNECTOR

22 GREAT HILL ROAD, NAUGATUCK, CT. 06770  
 PHONE: (203) 729-9090 FAX: (203) 723-1794

REV	DESCRIPTION	DATE	APPR
A	PER ECN 11686	06/26/13	JEM



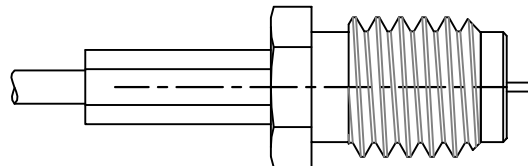
STEP 1.  
TRIM CABLE TO DIMENSIONS SHOWN.



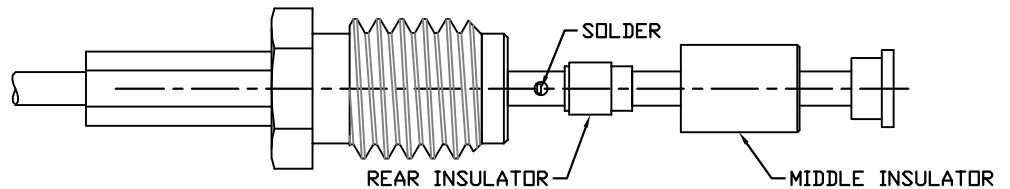
STEP 2.  
SLIDE FERRULE OVER CABLE. FLARE BRAID BY ROTATING DIELECTRIC.



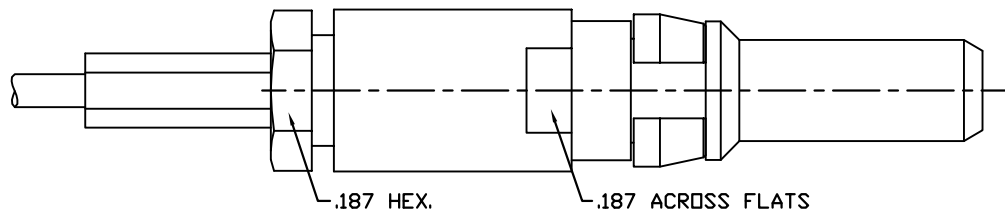
STEP 3.  
SLIDE CRIMP NUT ONTO CABLE AND UNDER BRAID, MAKING SURE THE CABLE BOTTOMS IN CRIMP NUT. SLIDE FERRULE UP AGAINST SHOULDER AND CRIMP USING .081 HEX DIE (DANIELS Y1547P).



STEP 4.  
SOLDER CONTACT SUB ASSEMBLY TO CENTER CONDUCTOR. CENTER CONDUCTOR MUST BUTT DIELECTRIC. SLIDE MIDDLE INSULATOR OVER REAR INSULATOR COVERING SOLDER JOINT.



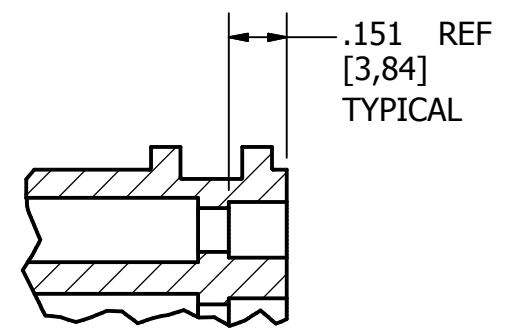
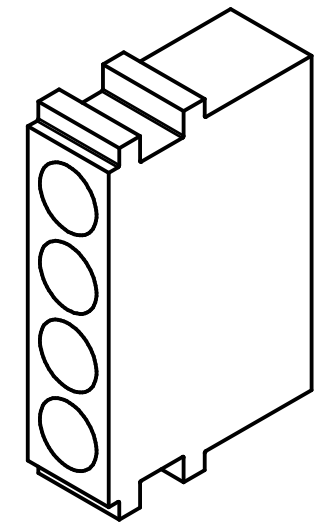
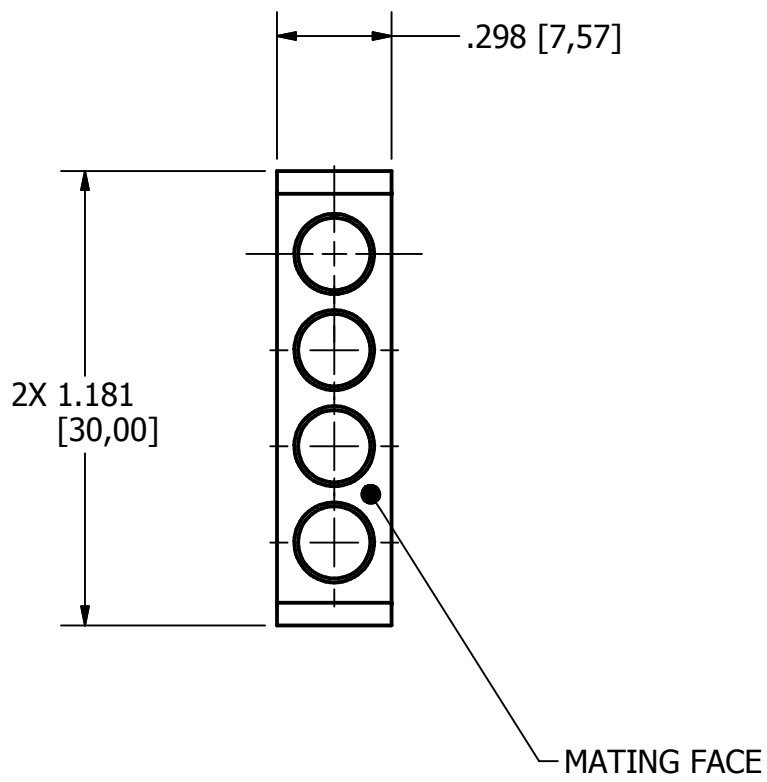
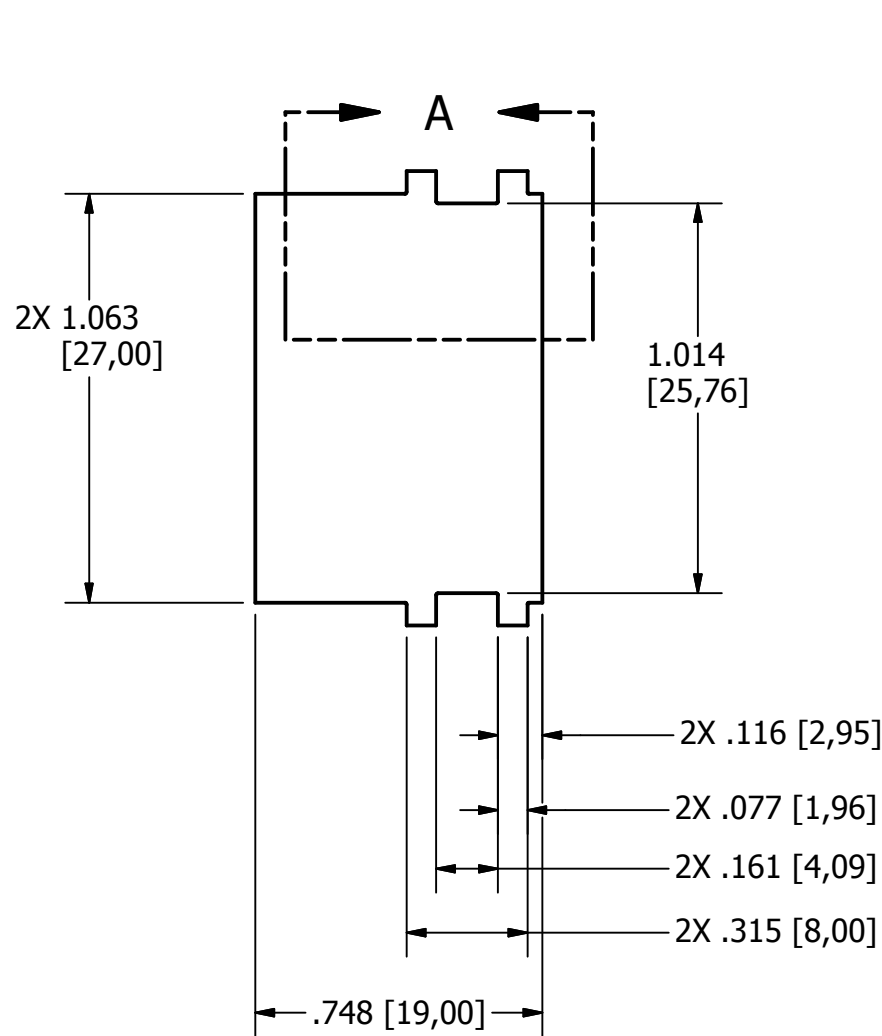
STEP 5.  
INSERT CABLE ASSEMBLY INTO BODY OF CONNECTOR AND TIGHTEN CRIMP NUT TO 90-100 IN-OZS.



NOTES:

- 1) MATERIAL: ACETAL COPOLYMER
- 2) COLOR: NATURAL / WHITE.
- 3) REQUIREMENTS DO NOT INCLUDE RF CONTACTS, SEE INDIVIDUAL SPECIFICATION SHEETS.
- 4) UNLESS OTHERWISE SPECIFIED, DIMENSION ARE FOR REFERENCE ONLY

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ECN# 11774 RELEASED FOR PRODUCTION	9/30/2013	



CONTACT RETENTION  
FEATURE LOCATION  
SCALE: 2 : 1

~~UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ARE:  
FRACTIONS DECIMALS ANGLES  
± 1/64 ± .01 ± 1/2°  
± .003 ± .003~~

THE INFORMATION DISCLOSED IN  
THIS DOCUMENT IS CONFIDENTIAL  
AND PROPRIETARY TO PHOENIX CO.  
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MANUFACTURE OR ANY OTHER  
PURPOSE WITHOUT THE WRITTEN  
CONSENT OF MIL-CON INC.

NEXT ASSEMBLY	USED ON
APPLICATIONS	DO NOT SCALE DRAWING

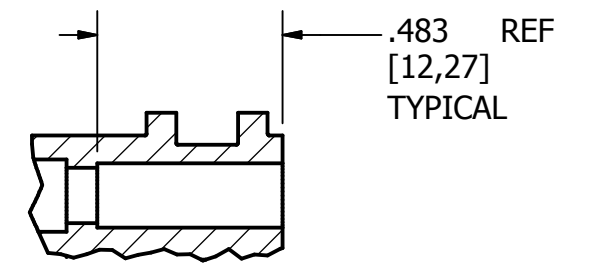
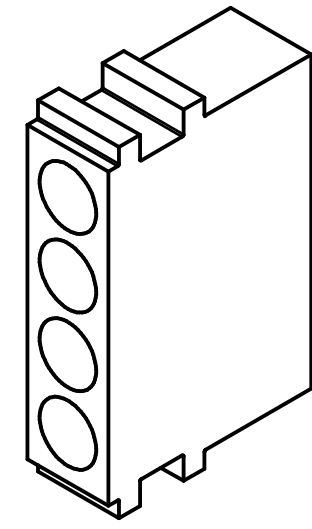
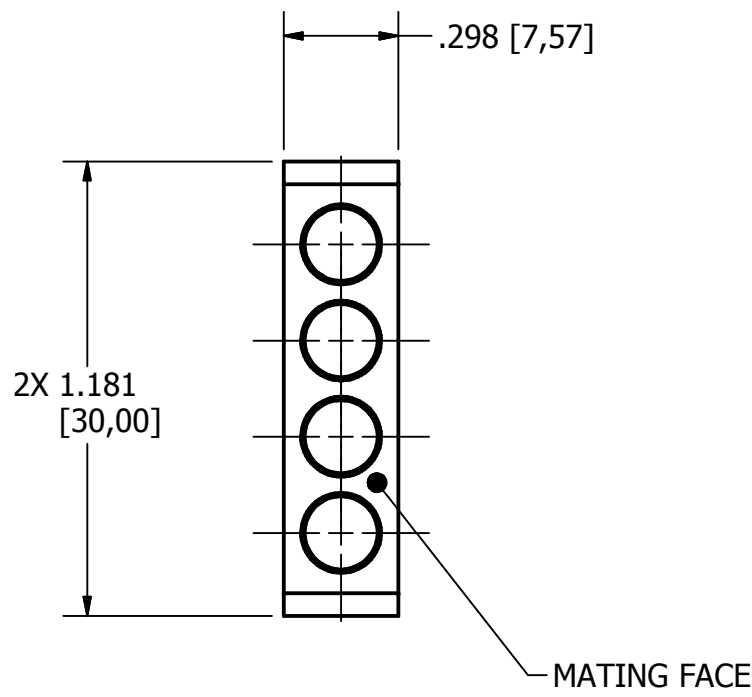
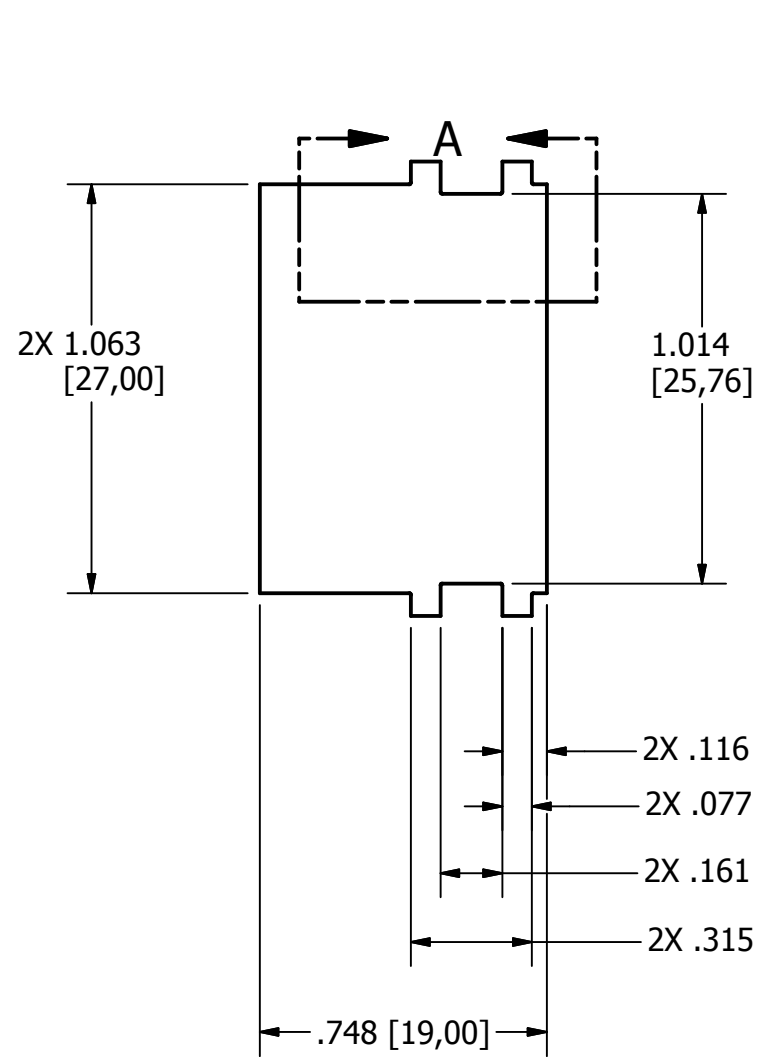
CONTRACT NO.	
APPROVALS	DATE
DRAWN <b>R.M. Bradley</b>	8/8/2013
CHECKED	
ISSUED	

<i>The PHOENIX Company of Chicago™</i>			
<b>HOUSING, 4 POSITION, SIZE 8 PLUG, MODULAR RAIL TYPE, MACHINED</b>			
SIZE <b>B</b>	FSCM NO. <b>60563</b>	DWG. NO. <b>PMC4W4P</b>	REV. <b>A</b>

NOTES:

- 1) MATERIAL: ACETAL COPOLYMER
- 2) COLOR: NATURAL / WHITE.
- 3) REQUIREMENTS DO NOT INCLUDE RF CONTACTS, SEE INDIVIDUAL SPECIFICATION SHEETS.
- 4) UNLESS OTHERWISE SPECIFIED, DIMENSION ARE FOR REFERENCE ONLY

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ECN# 11774 RELEASED FOR PRODUCTION	9/30/2013	



CONTACT RETENTION  
FEATURE LOCATION  
SCALE: 2 : 1

<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ±1/64 ±.01 ±1/2° ±.003 ±.003</p>		CONTRACT NO.		<p><i>The PHOENIX Company of Chicago™</i></p> <p><b>HOUSING, 4 POSITION, SIZE 8 RECEPTACLE, MODULAR RAIL TYPE, MACHINED</b></p>	
		APPROVALS	DATE		
NEXT ASSEMBLY		USED ON		<p>DRAWN <b>R.M.Bradley</b></p> <p>CHECKED</p> <p>ISSUED</p>	<p>8/8/2013</p>
APPLICATIONS		DO NOT SCALE DRAWING		<p>SIZE <b>B</b></p> <p>FSCM NO. <b>60563</b></p> <p>SCALE <b>2 X 1</b></p>	<p>DWG. NO. <b>PMC4W4R</b></p> <p>REV. <b>A</b></p> <p>SHEET <b>1</b> OF <b>1</b></p>

INTERFACE DESIGN STANDARD

IDS-62J

PAGE 1 OF 1

DATE: 02/27/13

DRAWN: JEM

APPROVED: JEM



22 GREAT HILL ROAD, NAUGATUCK, CT. 06770  
 PHONE: (203) 729-9090 FAX: (203) 723-1794

REV	DESCRIPTION	DATE	APPR
A	REL. ECN 11658	05/07/13	JEM
B	PER ECN 11688	06/05/13	JEM
C	PER ECN 11750	08/13/12	JEM

DESCRIPTION: 62J SERIES, SIZE 8 PKZ,<sup>®</sup> HIGH MATING CYCLE  
 NON-MAGNETIC PER BS EN 122340.

MECHANICAL

MATERIALS:

PLUG AND RECEPTACLE BODIES, FERRULES AND CAPS - NON-MAGNETIC BRASS.  
 CENTER AND OUTER CONTACTS - BERYLLIUM COPPER PER ASTM-B-197 or NON-MAGNETIC BRASS.  
 CLIP RING - BERYLLIUM COPPER PER ASTM-B-196.  
 INSULATORS - VIRGIN TEFLON (PTFE) PER ASTM D 1710

FINISHES (ADD LETTER 'J' TO END OF PART NUMBER)

GOLD PER MIL-G-45204.  
 CONTACTS - .000050 MIN. GOLD.  
 BODIES - .000050 MIN. GOLD.  
 CLIP RINGS: UNPLATED.  
 OTHER METAL PARTS: GOLD PLATED TO MEET  
 THE ENVIRONMENTAL REQUIREMENTS.  
 RESIDUAL MAGNETISM 20 GAMMA MAX.  
 CONFORMS TO BS EN 122340 STANDARDS.

MATING CHARACTERISTICS

INSERTION ————— 1.0 LBS MAXIMUM  
 0.5 LBS NOMINAL  
 WITHDRAWAL ————— 1.5 OZ. MINIMUM  
 4.0 OZ. NOMINAL  
 HOUSING RETENTION ————— 12 LBS. MIN.  
 AXIAL MATING TOLERANCE — .090" MAX.

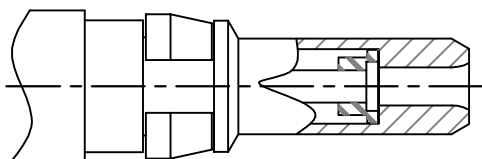
ELECTRICALS

FREQUENCY RANGE: DC TO 6 GHz.  
 (CONFIGURATION DEPENDENT)  
 VOLTAGE RATING STRAIGHT: 1000 VRMS.  
 VOLTAGE RATING ANGLED: 800 VRMS.  
 CURRENT RATING: 5 AMPS.  
 INSULATION RESISTANCE: 2000 MEGOHMS MIN.  
 INSERTION LOSS: .4 f(GHz) dB

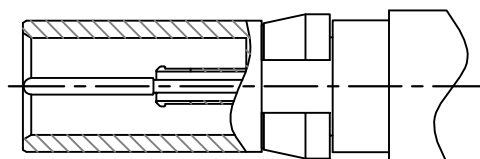
CONTACT RESISTANCE: CENTER CONTACT 5 MILLIOHMS  
 CONTACT RESISTANCE: OUTER CONTACT 3 MILLIOHMS  
 VSWR:  
 1.10 + .01 (f) GHz., RG-405 CABLE (To 6 GHz).  
 1.15 + .02 (f) GHz., RG-316 CABLE (To 1.5 GHz).  
 1.15 + .03 (f) GHz., RG-178 CABLE (To 1.5 GHz).

ENVIRONMENTAL

OPERATING TEMPERATURE: -55°C to +125°C (-67°F - 257°F)  
 VIBRATION: MIL-STD-202, METHOD 204, TEST CONDITION D.  
 SHOCK: MIL-STD-202, METHOD 213, TEST CONDITION I.  
 SALT SPRAY: MIL-STD-1344, METHOD 1001, CONDITION B.  
 DURABILITY: 60,000 CYCLES MIN.  
 THERMAL SHOCK: MEL-STD-202, METHOD 107, TEST  
 CONDITION B, EXCEPT HIGH TEMPERATURE SHALL  
 BE +85°C.  
 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106.  
 NO MEASUREMENT AT HIGH HUMIDITY. INSULATION  
 RESISTANCE 2000 MEGOHMS AFTER HUMIDITY.



PLUG



RECEPTACLE