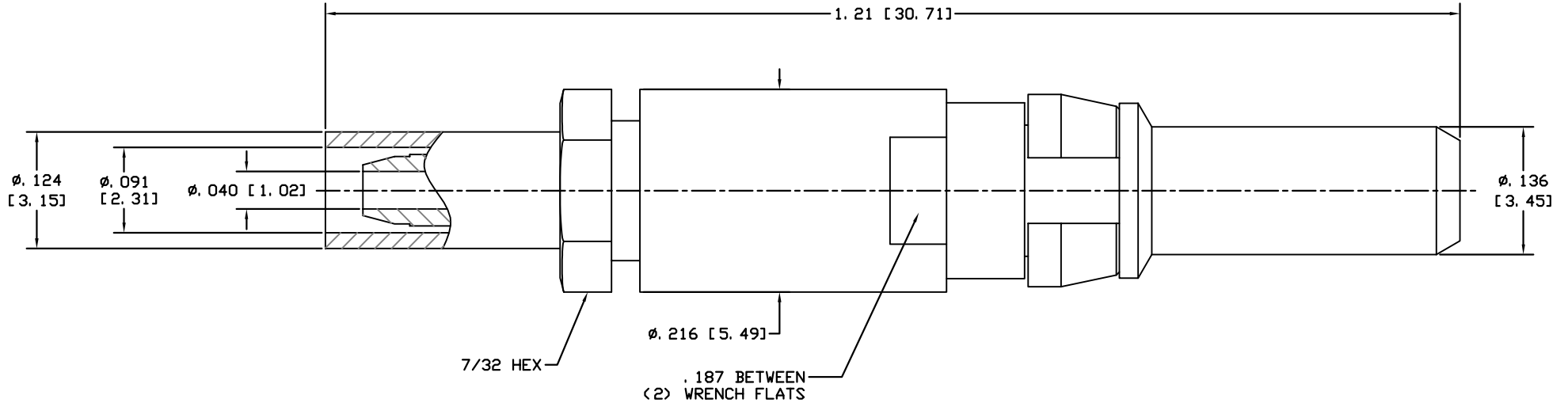


CAD DRAWING - NO MANUAL REVISIONS



NOTES:

1. DESIGN AND INTERFACE PER I. D. S. -62J.
2. ACCOMMODATES RG-178 AND SIMILAR CABLES.
3. CONTACT ASSY, CRIMP NUT, AND FERRULE ARE SHIPPED LOOSE.
4. CRIMP USING .105 HEX DIE (M22520/5-03).
5. 'J' PLATING - TEST TO 20 GAMMA MAX.

				<p>PALCO CONNECTOR</p> <p>22 GREAT HILL RD., NAUGATUCK, CT 06770</p> <p>UNLESS OTHERWISE SPECIFIED, PALCO WORKMANSHIP STANDARDS APPLY</p> <p>TOLERANCES ON: DECIMALS: XX $\pm .01$.XXX $\pm .005$ ANGLES $\pm 1/2^\circ$ 32</p> <p>DIMENSIONS IN INCHES OR (METRIC) DO NOT SCALE PRINTS</p> <p>CATALOG ITEM</p>	DRAWN JEM	CHECKED JEM	ENGINEER JEM	APPROVED JEM	FSCM 58167
A	PER ECN 11639	04/16/13	JEM		DESCRIPTION SIZE 8 PkZ, HMC PLUG, CRIMP/CLAMP				
01	PRELIMINARY	04/15/13	JEM		DATE 04/15/13	DRAWING NO. 62-0802-0400	PLATING OPT. J		
REV.	DESCRIPTION	DATE	APPR.						

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CABLE ASSEMBLY PROCEDURE

P/N 62-0802-0400

PAGE 1 OF 1 DATE: 04/18/13

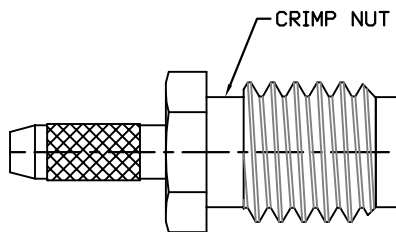
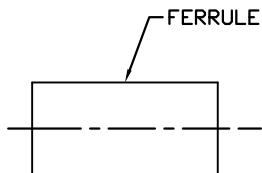
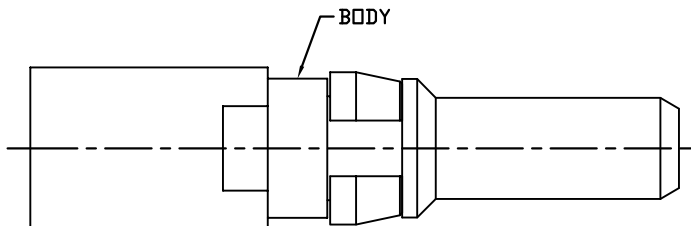
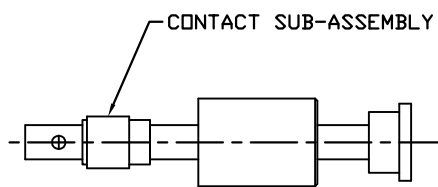
DRAWN: MS APPROVED: JEM

FOR USE WITH RG-178 CABLE

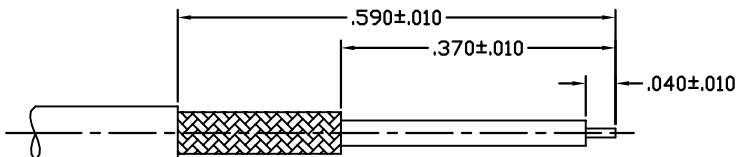
PALEO CONNECTOR

22 GREAT HILL ROAD, NAUGATUCK, CT. 06770
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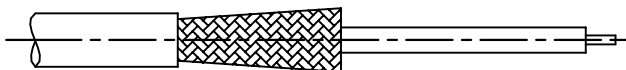
REV	DESCRIPTION	DATE	APPR
A	PER ECN 11639	04/18/13	JEM



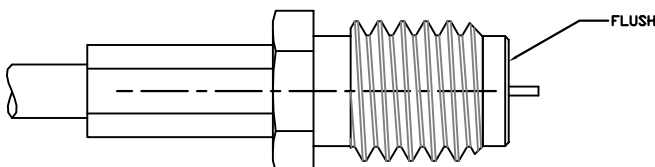
STEP 1.
TRIM CABLE TO DIMENSIONS SHOWN.



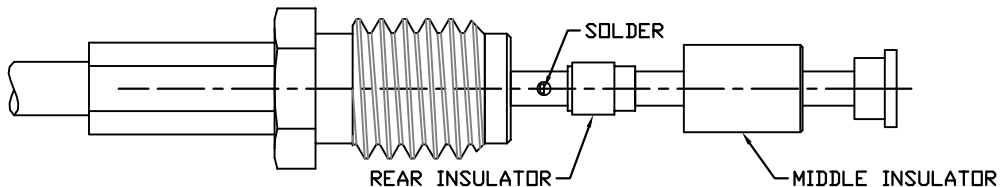
STEP 2.
SLIDE FERRULE OVER CABLE. FLARE BRAID BY ROTATING DIELECTRIC.



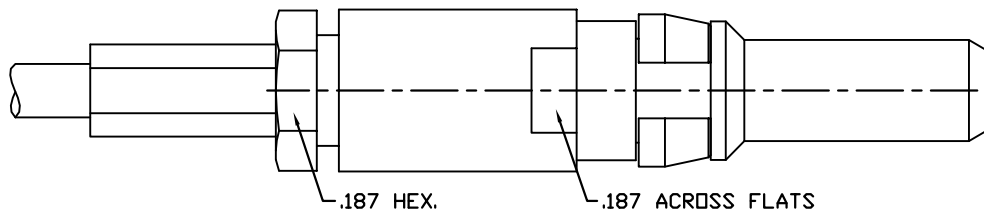
STEP 3.
SLIDE CRIMP NUT ONTO CABLE AND UNDER BRAID, MAKING SURE THE CABLE DIELECTRIC IS FLUSH WITH CRIMP NUT. SLIDE FERRULE UP AGAINST SHOULDER AND CRIMP USING .125 HEX DIE (M22520/5-03).



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



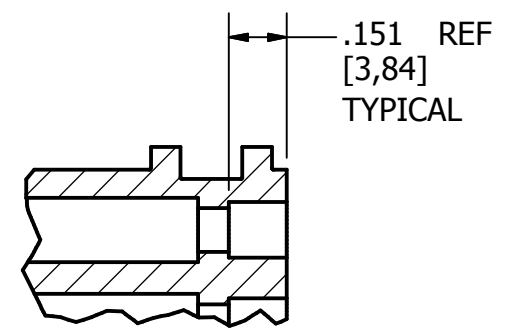
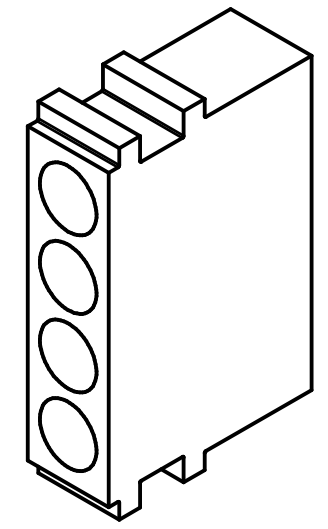
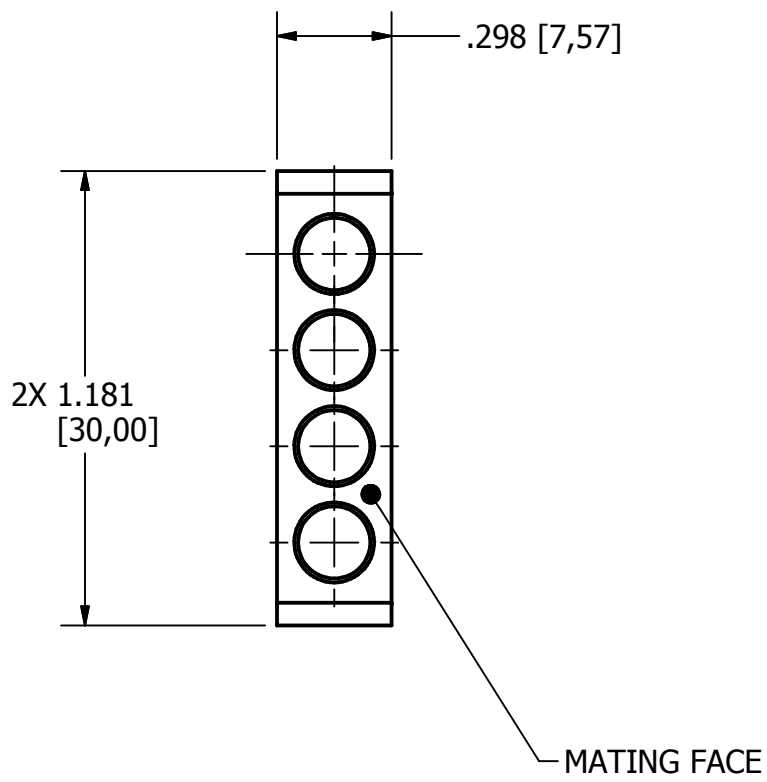
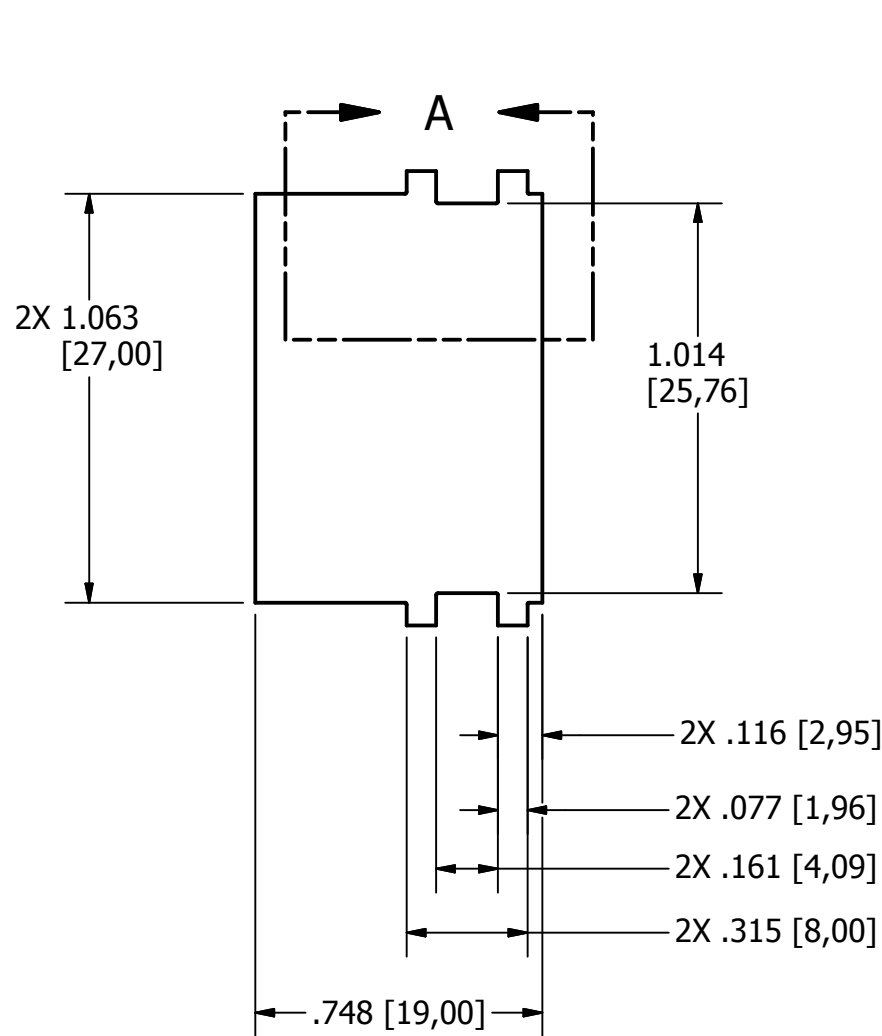
STEP 5.
INSERT CABLE ASSEMBLY INTO BODY OF CONNECTOR AND TIGHTEN CRIMP NUT TO 90-100 IN-OZS.



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 .XX ± .01 ± 1/2°
.XXX ± .003~~

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THIS DOCUMENT IS CONFIDENTIAL
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PURPOSE WITHOUT THE WRITTEN
CONSENT OF MIL-CON INC.

NEXT ASSEMBLY	USED ON

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

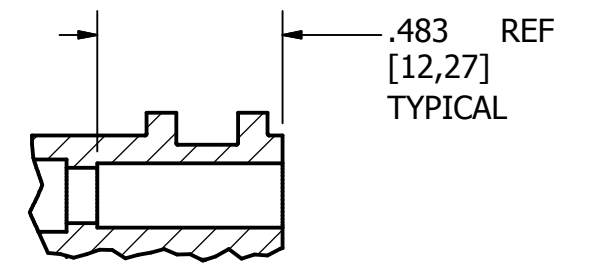
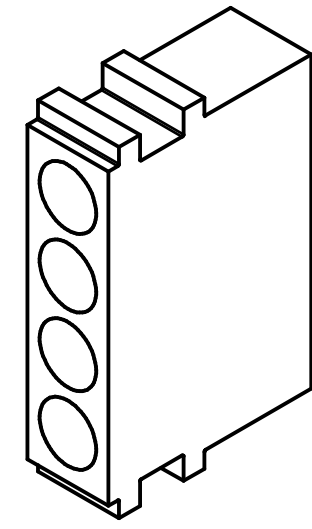
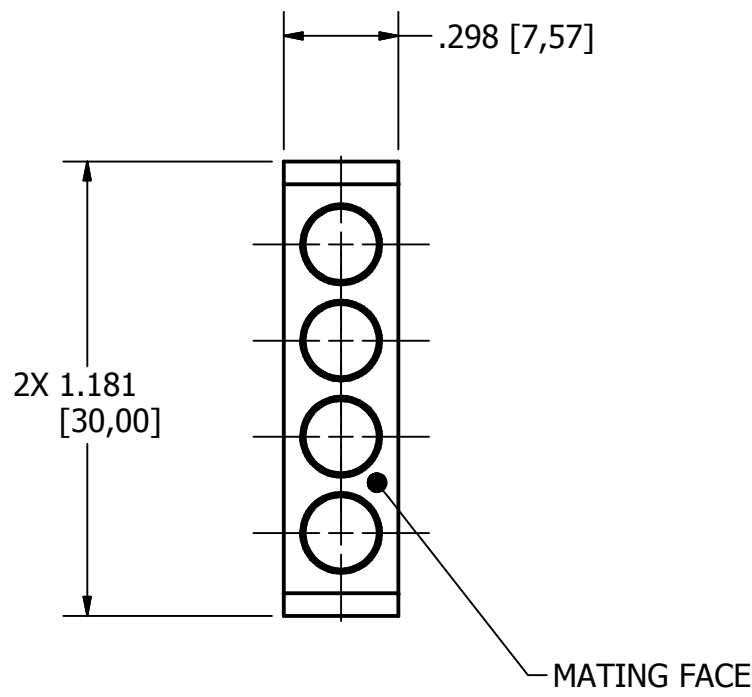
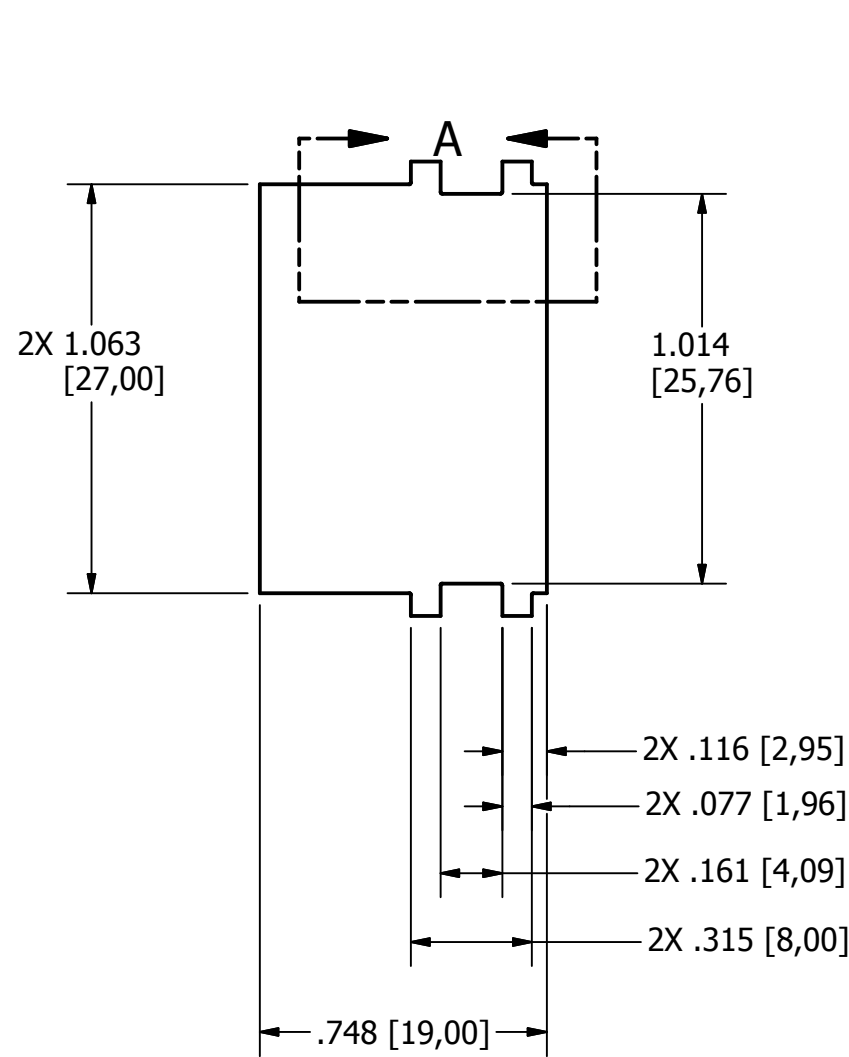
<i>The PHOENIX Company of Chicago™</i>			
HOUSING, 4 POSITION, SIZE 8 PLUG, MODULAR RAIL TYPE, MACHINED			
SIZE B	FSCM NO. 60563	DWG. NO. PMC4W4P	REV. A

APPLICATIONS	DO NOT SCALE DRAWING	SCALE 2 X 1	SHEET 1 OF 1
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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>HOUSING, 4 POSITION, SIZE 8 RECEPTACLE, MODULAR RAIL TYPE, MACHINED</p>	
		APPROVALS	DATE		
NEXT ASSEMBLY		USED ON		<p>DRAWN R.M. Bradley</p> <p>CHECKED</p> <p>ISSUED</p>	<p>8/8/2013</p>
APPLICATIONS		DO NOT SCALE DRAWING		<p>SIZE B</p> <p>FSCM NO. 60563</p> <p>SCALE 2 X 1</p>	<p>DWG. NO. PMC4W4R</p> <p>REV. A</p> <p>SHEET 1 OF 1</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,[®] 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.

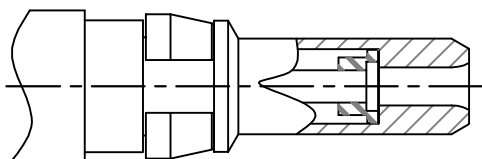
ELECTRICALS

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

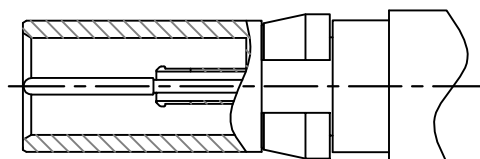
CONTACT RESISTANCE: CENTER CONTACT 5 MILLIOHMS
 CONTACT RESISTANCE: OUTER CONTACT 3 MILLIOHMS
 VSWR:
 1.10 + .01 (f) GHz., RG-405 CABLE (To 6 GHz).
 1.15 + .02 (f) GHz., RG-316 CABLE (To 1.5 GHz).
 1.15 + .03 (f) GHz., RG-178 CABLE (To 1.5 GHz).

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