

NOTES:

1. DESIGN AND INTERFACE PER I. D. S. -62.
2. ACCOMMODATES HIROSE 1.13mm OR EQUIVALENT CABLES.
3. CONTACT AND FERRULE ARE SUPPLIED LOOSE.
4. "J" PLATING - TEST TO 20 GAMMA MAX.

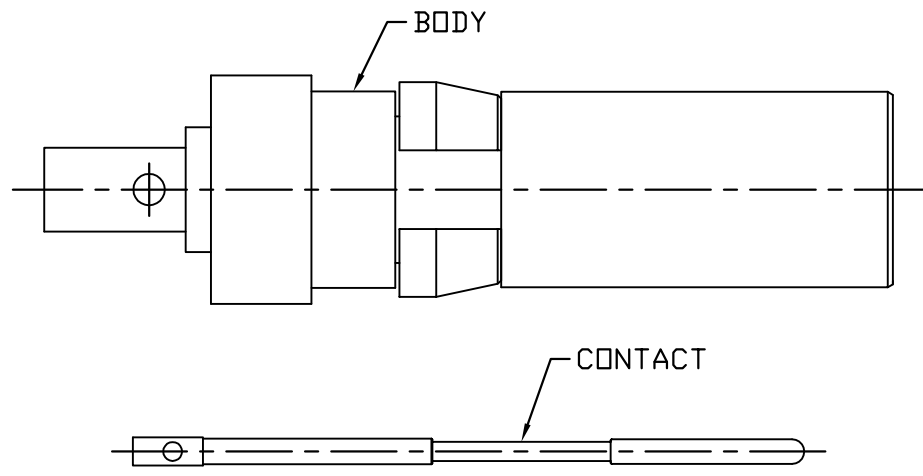
				<p><b>PALCO CONNECTOR</b></p> <p>22 GREAT HILL RD., NAUGATUCK, CT 06770</p> <p>UNLESS OTHERWISE SPECIFIED, PALCO WORKMANSHIP STANDARDS APPLY</p> <p>TOLERANCES ON: DECIMALS: XX ± .01 .XXX ± .005 ANGLES ±1/2° 32√</p> <p>DIMENSIONS IN INCHES OR (METRIC) DO NOT SCALE PRINTS</p>	DRAWN JEM	CHECKED JEM	ENGINEER JEM	APPROVED JEM	FSCM 58167
						DESCRIPTION SIZE 8 PkZ, HMC RECEPTACLE, DIRECT SOLDER			
A	PER ECN 11676	05/21/13	JEM		DATE 05/21/13	DRAWING NO. 62-1202-0290	PLATING OPT. J		
REV.	DESCRIPTION	DATE	APPR.		CATALOG ITEM				

CABLE ASSEMBLY PROCEDURE	
P/N	62-1202-0290
PAGE 1 OF 1	DATE: 07/05/13
DRAWN: MS	APPROVED: JEM
FOR USE WITH HIROSE 1.13mm CABLE	

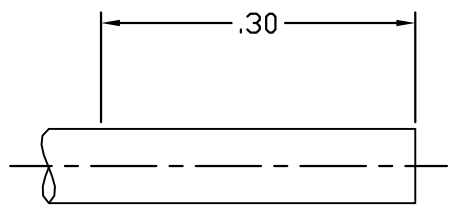
**PALEO**  
**CONNECTOR**

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

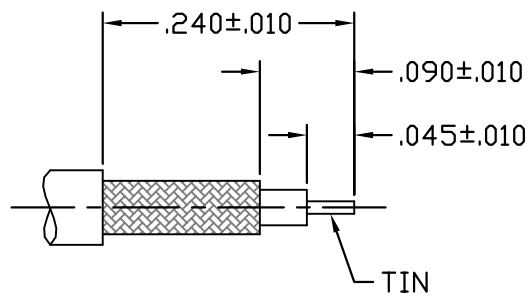
REV	DESCRIPTION	DATE	APPR
A	PER ECN 11676	07/05/13	JEM



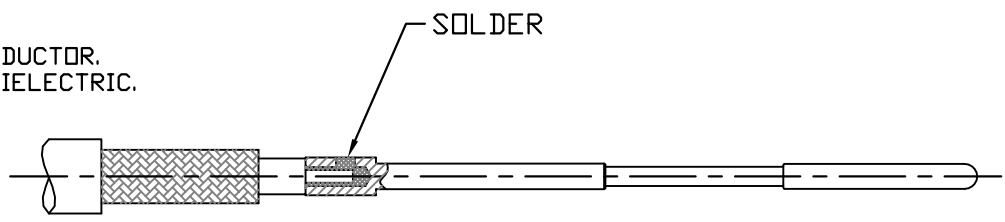
STEP 1.  
FLUX END OF CABLE. TIN DIP  
CABLE INTO 525°F±25°F SOLDER  
POT, TO DIMENSION SHOWN.



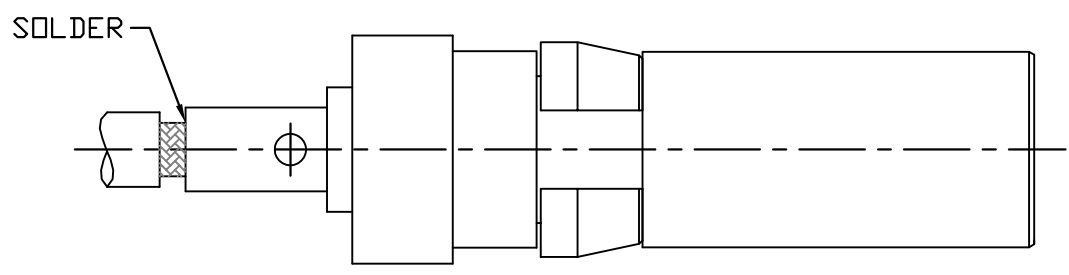
STEP 2.  
TRIM CABLE TO DIMENSIONS  
SHOWN, TIN CENTER CONDUCTOR.



STEP 3.  
SOLDER CONTACT TO CENTER CONDUCTOR.  
CENTER CONDUCTOR MUST BUTT DIELECTRIC.



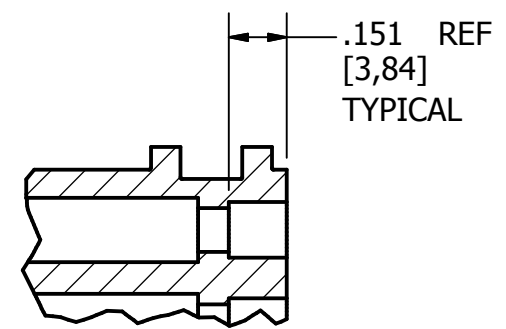
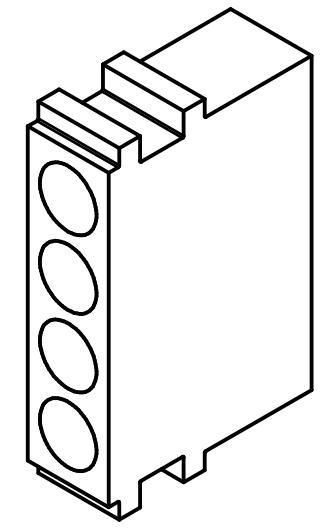
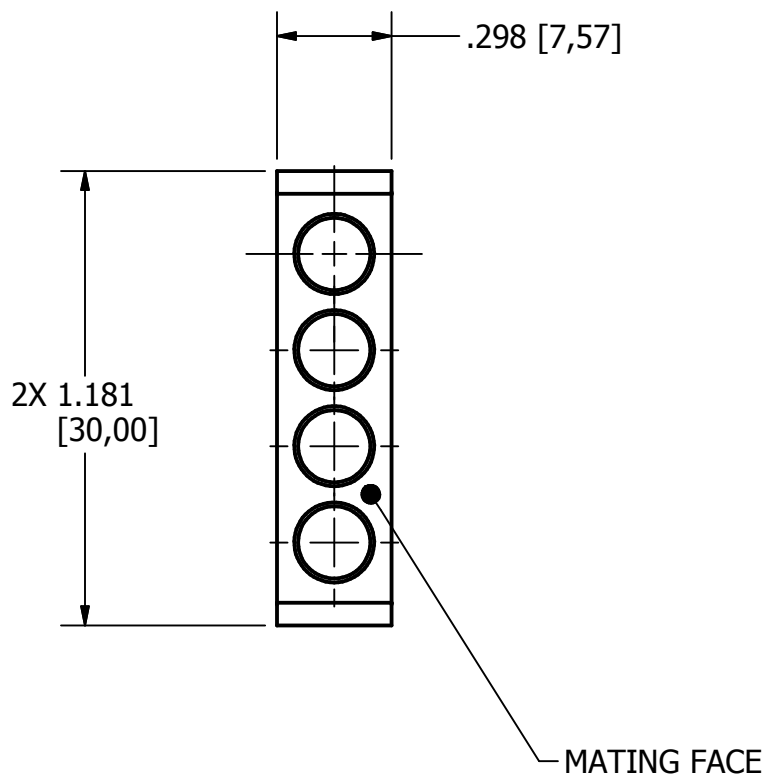
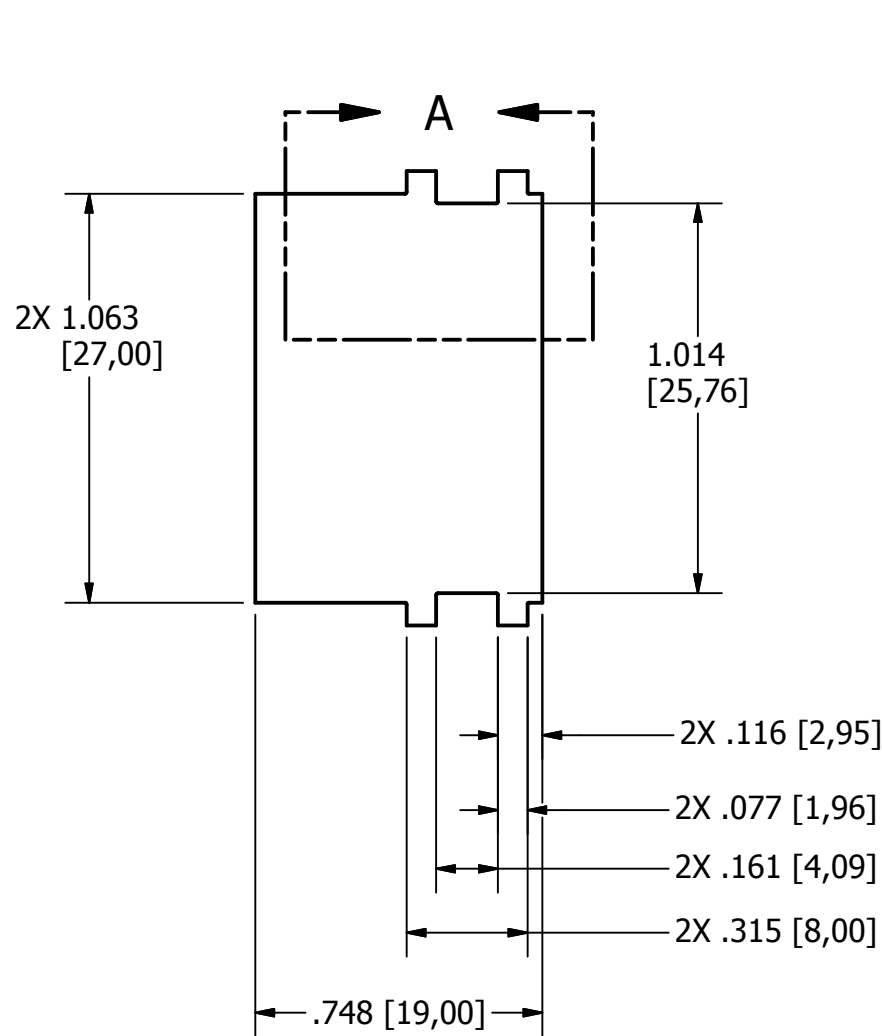
STEP 4.  
INSERT CABLE ASSEMBLY  
INTO BACK OF CONNECTOR  
BODY UNTIL CABLE BOTTOMS.  
SOLDER CABLE TO  
CONNECTOR BODY.



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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PURPOSE WITHOUT THE WRITTEN  
CONSENT OF MIL-CON INC.

NEXT ASSEMBLY	USED ON

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

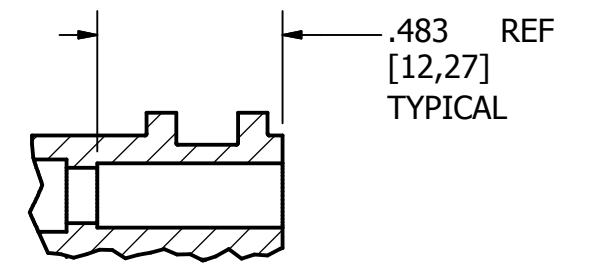
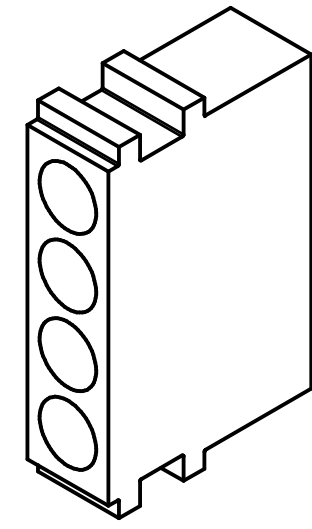
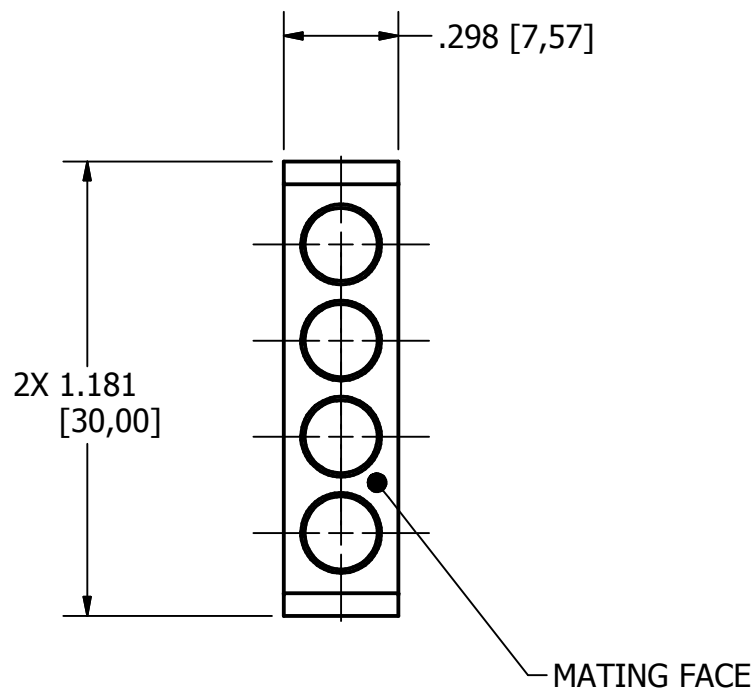
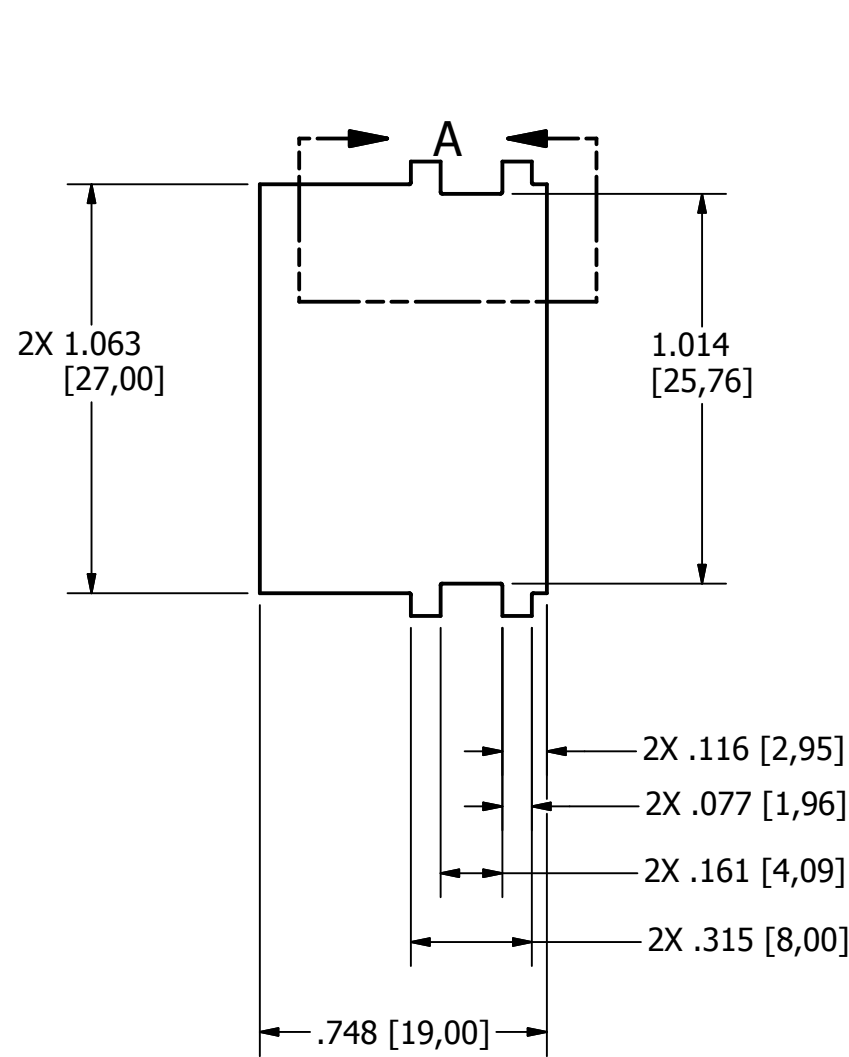
<i>The PHOENIX Company of Chicago™</i>			
<b>HOUSING, 4 POSITION, SIZE 8 PLUG, MODULAR RAIL TYPE, MACHINED</b>			
SIZE <b>B</b>	FSCM NO. <b>60563</b>	DWG. NO. <b>PMC4W4P</b>	REV. <b>A</b>

APPLICATIONS	DO NOT SCALE DRAWING	SCALE <b>2 X 1</b>	SHEET <b>1</b> OF <b>1</b>
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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		CONTRACT NO.		The <i>PHOENIX</i> Company of Chicago™			
THE INFORMATION DISCLOSED IN THIS DOCUMENT IS CONFIDENTIAL AND PROPRIETARY TO PHOENIX CO. INC. AND MAY NOT BE USED FOR MANUFACTURE OR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF MIL-CON INC.		APPROVALS	DATE				
APPROVALS	DATE	DRAWN	8/8/2013	<b>HOUSING, 4 POSITION, SIZE 8 RECEPTACLE, MODULAR RAIL TYPE, MACHINED</b>			
CHECKED		R.M. Bradley					
ISSUED				SIZE	FSCM NO.	DWG. NO.	REV.
				B	60563	PMC4W4R	A
NEXT ASSEMBLY		USED ON		SCALE 2 X 1		SHEET 1 OF 1	
APPLICATIONS		DO NOT SCALE DRAWING					

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.

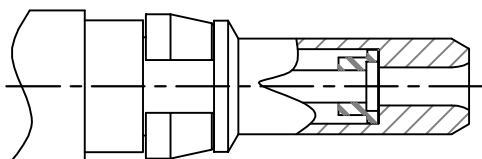
ELECTRICALS

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

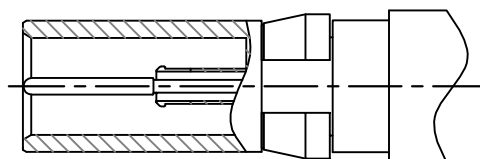
CONTACT RESISTANCE: CENTER CONTACT 5 MILLIOHMS  
 CONTACT RESISTANCE: OUTER CONTACT 3 MILLIOHMS  
 VSWR:  
 1.10 + .01 (f) GHz., RG-405 CABLE (To 6 GHz).  
 1.15 + .02 (f) GHz., RG-316 CABLE (To 1.5 GHz).  
 1.15 + .03 (f) GHz., RG-178 CABLE (To 1.5 GHz).

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