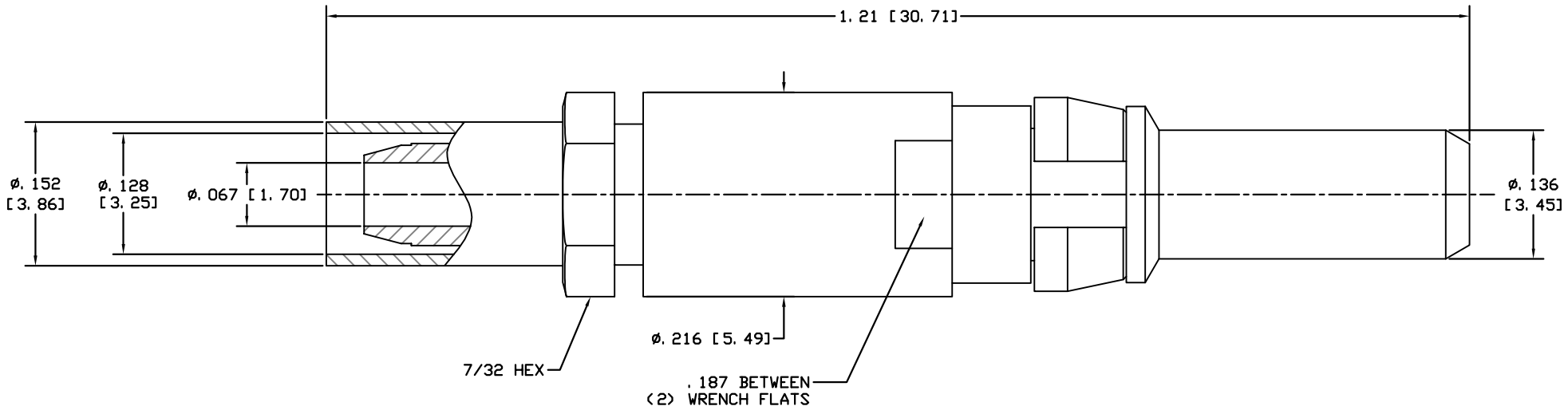
CAD DRAWING - NO MANUAL REVISIONS



NOTES:
1. DESIGN AND INTERFACE PER I.D.S.-62J.
2. ACCOMODATES RG-316 OR EQUIVALENT CABLES.
3. CONTACT ASSY, CRIMP NUT, AND FERRULE ARE SHIPPED LOOSE.
4. CRIMP USING .128 HEX DIE (M22520/5-03).
5. "J" PLATING - TEST TO 20 GAMMA MAX.

REV.	DESCRIPTION	DATE	APPR.
A	PER ECN 11677	05/21/13	JEM

PALCO CONNECTOR
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
CATALOG ITEM

DRAWN	CHECKED	ENGINEER	APPROVED	FSCM
JEM	JEM	JEM	JEM	58167

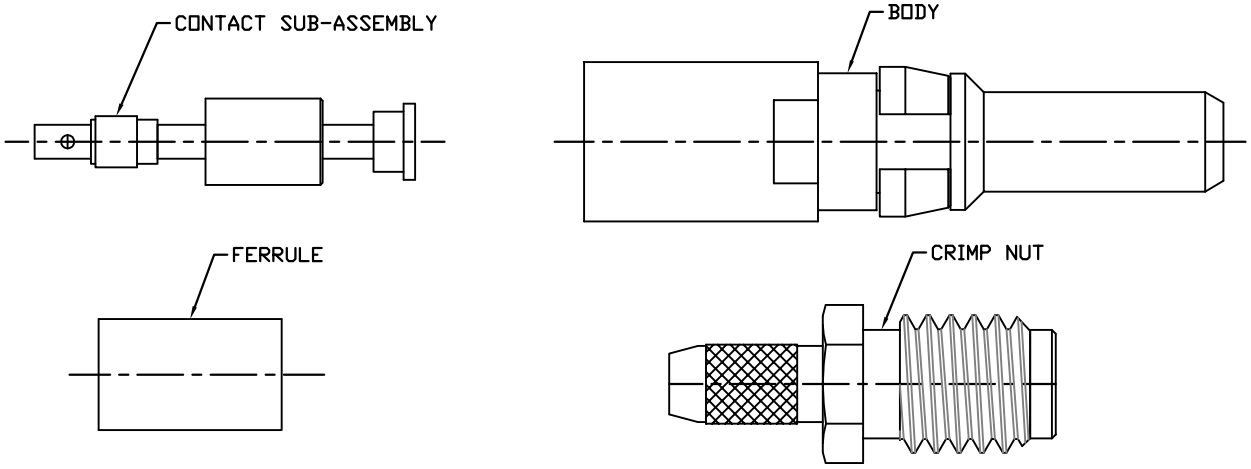
DESCRIPTION: SIZE 8 PkZ, HMC PLUG, CRIMP/CLAMP

DATE	DRAWING NO.	PLATING OPT.
05/21/13	62-0802-0670	J

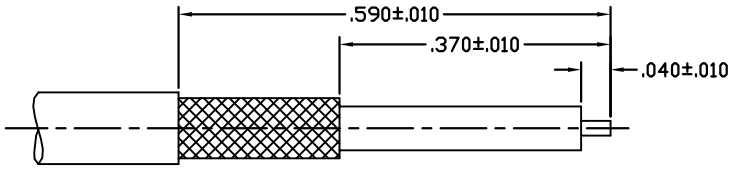
CABLE ASSEMBLY PROCEDURE	
P/N 62-0802-0670	
PAGE 1 OF 1	DATE: 05/21/13
DRAWN: JEM	APPROVED: JEM
FOR USE WITH RG-316 CABLE	

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

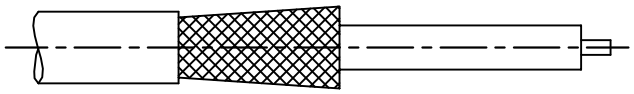
REV	DESCRIPTION	DATE	APPR
A	PER ECN 11677	04/18/13	05/21/13



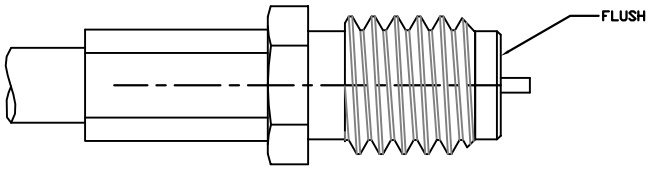
STEP 1.
TRIM CABLE TO DIMENSIONS SHOWN.



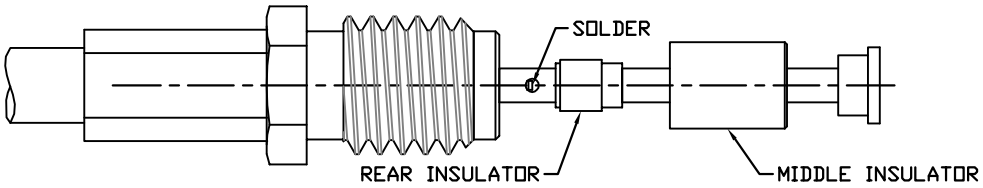
STEP 2.
SLIDE FERRULE OVER CABLE. FLARE BRAID BY ROTATING DIELECTRIC.



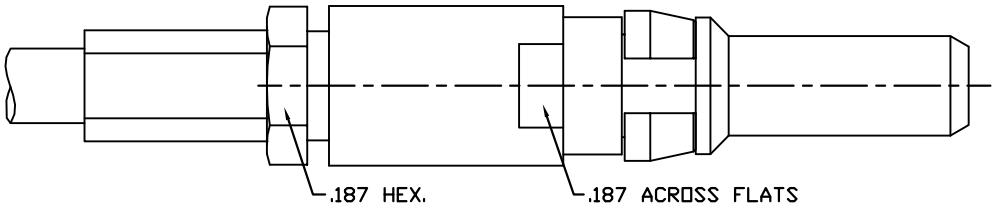
STEP 3.
SLIDE CRIMP NUT ONTO CABLE AND UNDER BRAID, MAKING SURE THE CABLE DIELECTRIC IS FLUSH WITH CRIMP NUT. SLIDE FERRULE UP AGAINST SHOULDER AND CRIMP USING .125 HEX DIE (M22520/5-03).



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

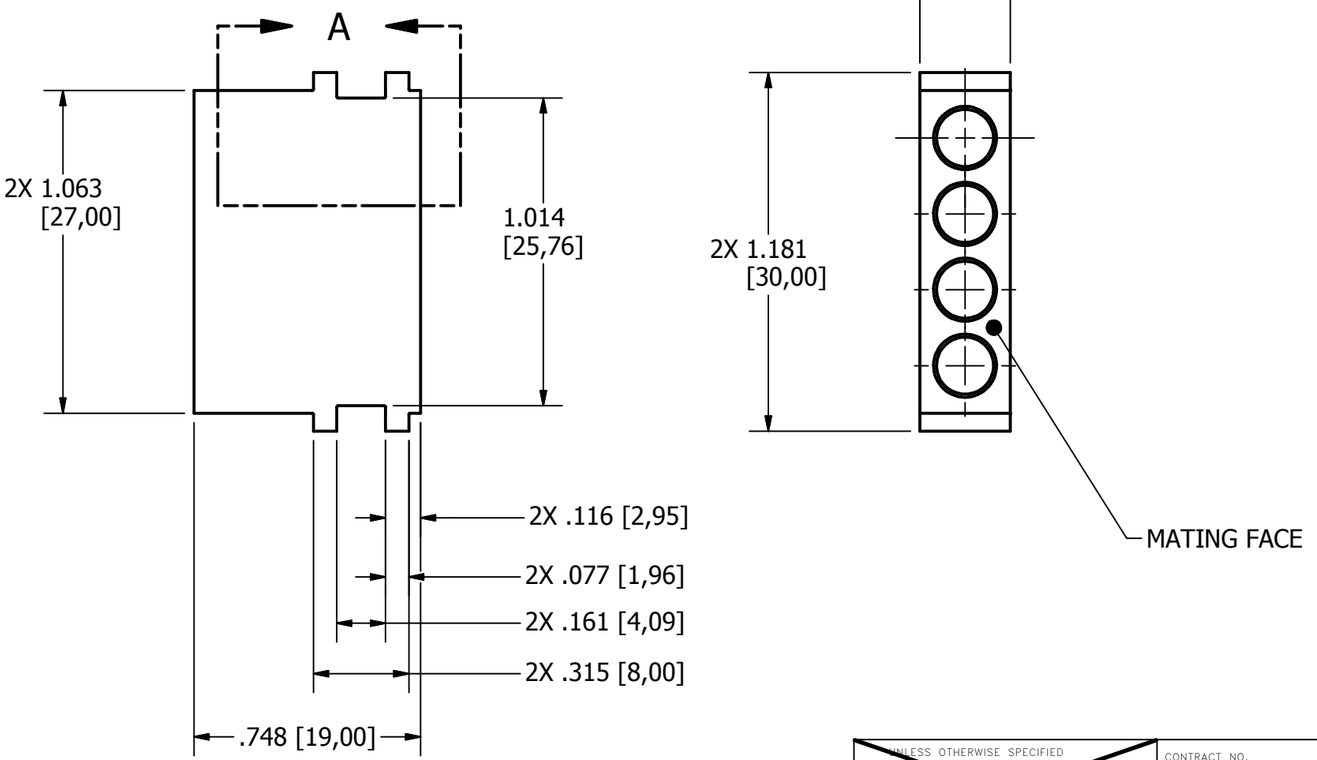


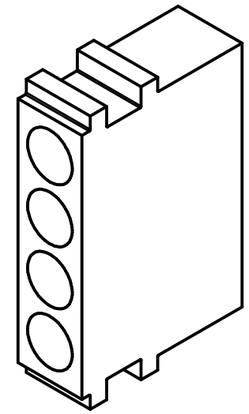
STEP 5.
INSERT CABLE ASSEMBLY INTO BODY OF CONNECTOR AND TIGHTEN CRIMP NUT TO 90-100 IN-OZS.

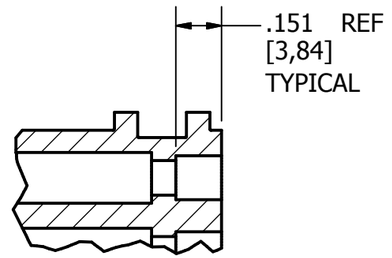


NOTES:
1) MATERIAL: ACETAL COPOLYMER
2) COLOR: NATURAL / WHITE.
3) REQUIREMENTS DO NOT INCLUDE RF CONTACTS, SEE INDIVIDUAL SPECIFICATION SHEETS.
4) UNLESS OTHERWISE SPECIFIED, DIMENSION ARE FOR REFERENCE ONLY

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 ±1/64 DECIMALS .XX ±.01 .XXX ±.003 ANGLES ±1/2°

CONTRACT NO.

	APPROVALS	DATE
DRAWN	R.M.Bradley	8/8/2013
CHECKED		
ISSUED		

NEXT ASSEMBLY | USED ON

APPLICATIONS | DO NOT SCALE DRAWING

The *PHOENIX* Company of Chicago ™

HOUSING, 4 POSITION, SIZE 8 PLUG, MODULAR RAIL TYPE, MACHINED

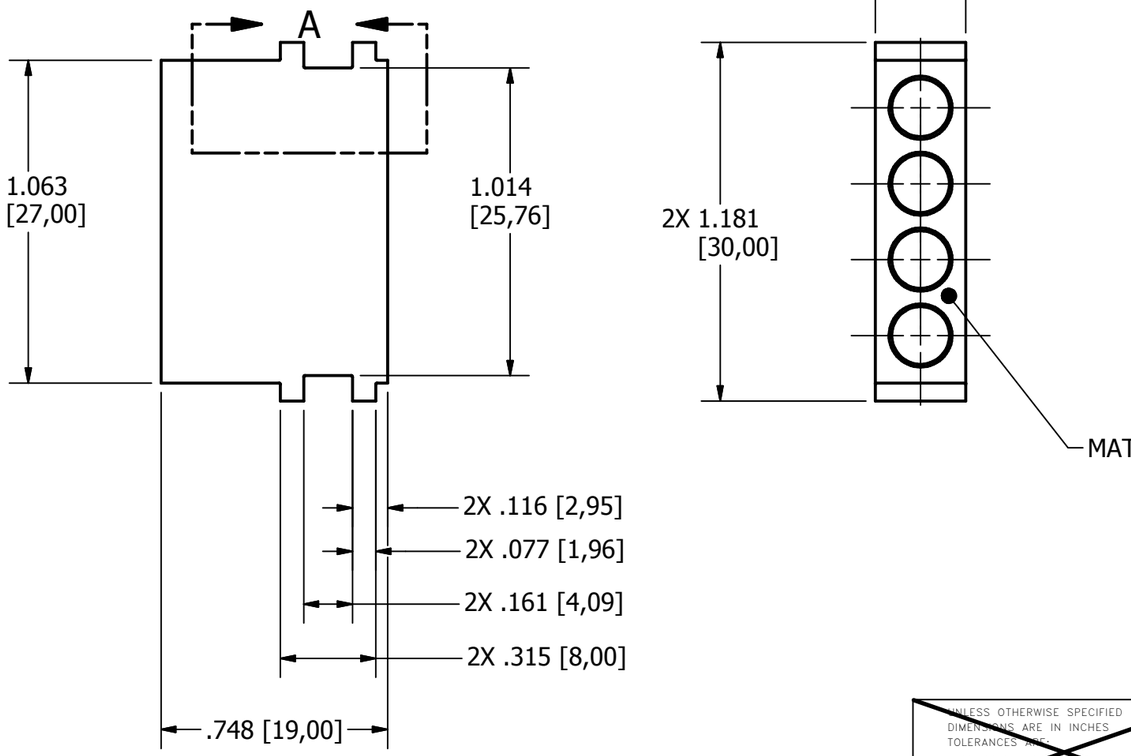
SIZE	FSCM NO.	DWG. NO.	REV.
B	60563	PMC4W4P	A

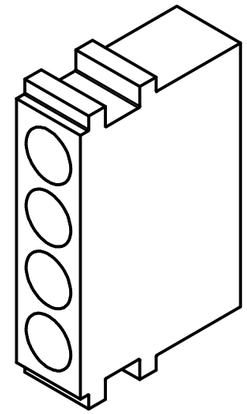
SCALE 2 X 1 | SHEET 1 OF 1

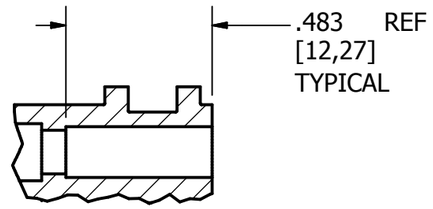
FILE NAME: PMC4W4P.idw

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 ±1/64 DECIMALS .XX ±.01 .XXX ±.003 ANGLES ±1/2°

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.

CONTRACT NO.

	APPROVALS	DATE
DRAWN	R.M.Bradley	8/8/2013
CHECKED		
ISSUED		

NEXT ASSEMBLY | USED ON

APPLICATIONS | DO NOT SCALE DRAWING

The *PHOENIX* Company of Chicago ™

HOUSING, 4 POSITION, SIZE 8 RECEPTACLE, MODULAR RAIL TYPE, MACHINED

SIZE	FSCM NO.	DWG. NO.	REV.
B	60563	PMC4W4R	A

SCALE 2 X 1 | SHEET 1 OF 1

FILE NAME: PMC4W4R.idw

INTERFACE DESIGN STANDARD	
IDS-62J	
PAGE 1 OF 1	DATE: 02/27/13
DRAWN: JEM	APPROVED: JEM

PALCO CONNECTOR
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.

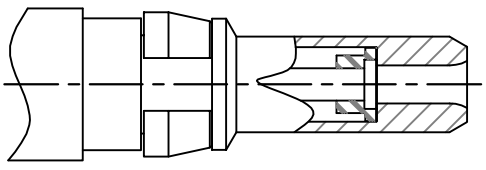
ELECTRICALS

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

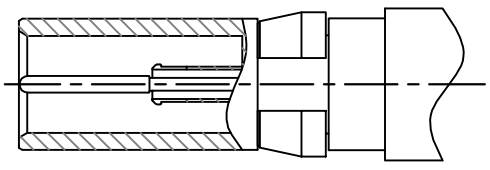
CONTACT RESISTANCE: CENTER CONTACT 5 MILLIOHMS
CONTACT RESISTANCE: OUTER CONTACT 3 MILLIOHMS
VSWR:
1.10 + .01 (f) GHz., RG-405 CABLE (To 6 GHz).
1.15 + .02 (f) GHz., RG-316 CABLE (To 1.5 GHz).
1.15 + .03 (f) GHz., RG-178 CABLE (To 1.5 GHz).

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