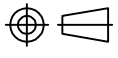


NOTES:

1. DESIGN AND INTERFACE PER IDS-56A.
2. ACCOMMODATES RG-316 OR EQUIVALENT CABLES.
3. FOR USE IN BENDIX LRM OR SIZE 12 D-SUB HOUSINGS.
4. "J" PLATING TEST TO 20 GAMMA MAX.
5. CONTACT SUPPLIED LOOSE.

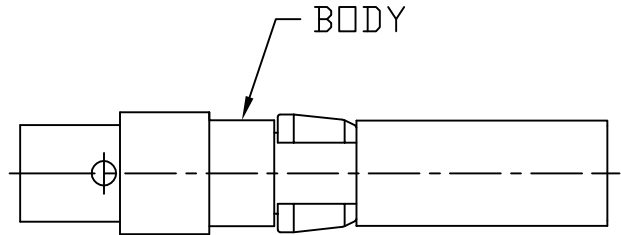
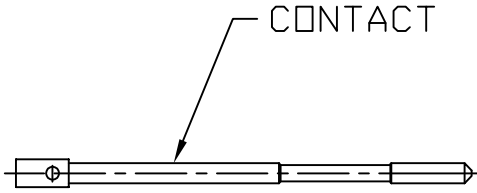
				PALCO CONNECTOR 22 GREAT HILL RD., NAUGATUCK, CT 06770 UNLESS OTHERWISE SPECIFIED, PALCO WORKMANSHIP STANDARDS APPLY TOLERANCES ON: DECIMALS: XX $\pm .01$.XXX $\pm .005$ ANGLES $\pm 1/2^\circ 32'$ DIMENSIONS IN INCHES OR (METRIC) DO NOT SCALE PRINTS	DRAWN JEM	CHECKED JEM	ENGINEER JEM	APPROVED JEM	FSCM 58167
D	PER ECN 11734	07/22/13	JEM		 DESCRIPTION SIZE 12 PKZ RECEPTACLE, DIRECT SOLDER				
C	PER ECN 11650	04/22/13	JEM						
B	PER ECN 11607	02/26/13	JEM		DATE 10/24/12	DRAWING NO. 56-1202-0670	PLATING OPT. J		
A	PER ECN 11553	01/18/13	JEM		CATALOG ITEM				
REV.	DESCRIPTION	DATE	APPR.						

CABLE ASSEMBLY PROCEDURE	
P/N	56-1202-0670
PAGE 1 OF 1	DATE: 01/18/13
DRAWN: JEM	APPROVED: JEM
FOR USE WITH RG-316 CABLE	

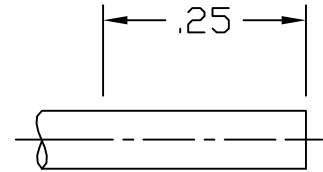
PALEO
CONNECTOR

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

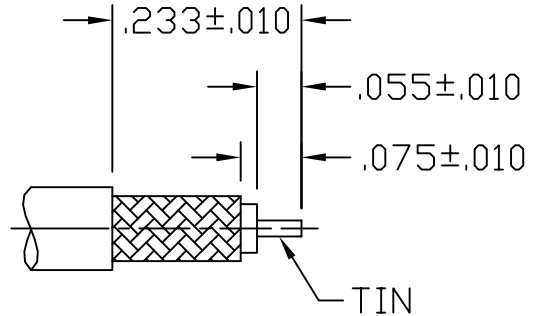
REV	DESCRIPTION	DATE	APPR
A	PER ECN 11553	01/18/13	JEM
B	PER ECN 11607	02/26/13	JEM
C	PER ECN 11650	04/22/13	JEM
D	PER ECN 11734	07/22/13	JEM



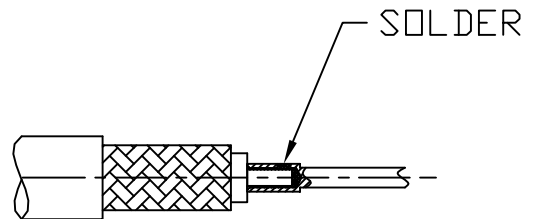
STEP 1
DIP END OF CABLE INTO FLUX AND THEN TIP DIP CABLE TO DIMENSIONS SHOWN USING KESTER 63/37 SOLDER @ 500°F FOR SIX SECONDS MAX.



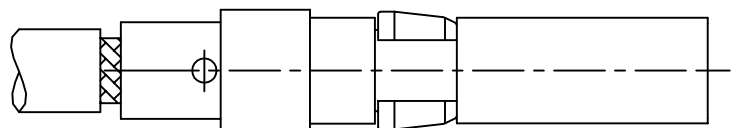
STEP 2
TRIM CABLE TO DIMENSIONS SHOWN. TIN CENTER CONDUCTOR.



STEP 3
SLIDE CONTACT ONTO CENTER CONDUCTOR AS SHOWN. SOLDER BULLET TO CENTER CONDUCTOR. CLEAN SOLDER JOINT.



STEP 4
INSERT ABOVE CABLE INTO CONNECTOR BODY UNTIL CABLE BOTTOMS. SOLDER BODY TO CABLE. CLEAN SOLDER JOINT.



4

3

2

1

SPECIFICATIONS:

1.) MATERIALS:
 INSERTS: VALOX, TYPE GPT-30F, PER MIL-M-24519.
 SHELLS: COLD ROLLED STEEL, PER ASTM A568 AND ASTM A620.

2.) FINISHES AND COLOR:
 INSERT: BLACK.
 SHELLS: RoHS COMPLIANT, HIGH RESISTANCE CLEAR CHROMATE OVER ZINC, PER ASTM B633, CLASS FE/ZN12 (.000500 MIN.), SERVICE CONDITION SC3, TYPE III.

3.) ELECTRICAL PROPERTIES:
 DIELECTRIC STRENGTH:
 500 TO 1,000 VOLTS RMS AT SEA LEVEL;
 200 TO 325 VOLTS RMS AT 70,000 FEET.
 INSULATION RESISTANCE: 1 MEGOHM MINIMUM.

4.) MECHANICAL PROPERTIES:
 OPERATING TEMPERATURE: -67° F TO +257° F (-55° C TO +125° C).
 SHOCK RESISTANCE: NO INTERRUPTION OF ELECTRICAL CONTINUITY LONGER THAN 1 MICROSECOND.
 VIBRATION RESISTANCE: NO INTERRUPTION OF ELECTRICAL CONTINUITY LONGER THAN 1 MICROSECOND.

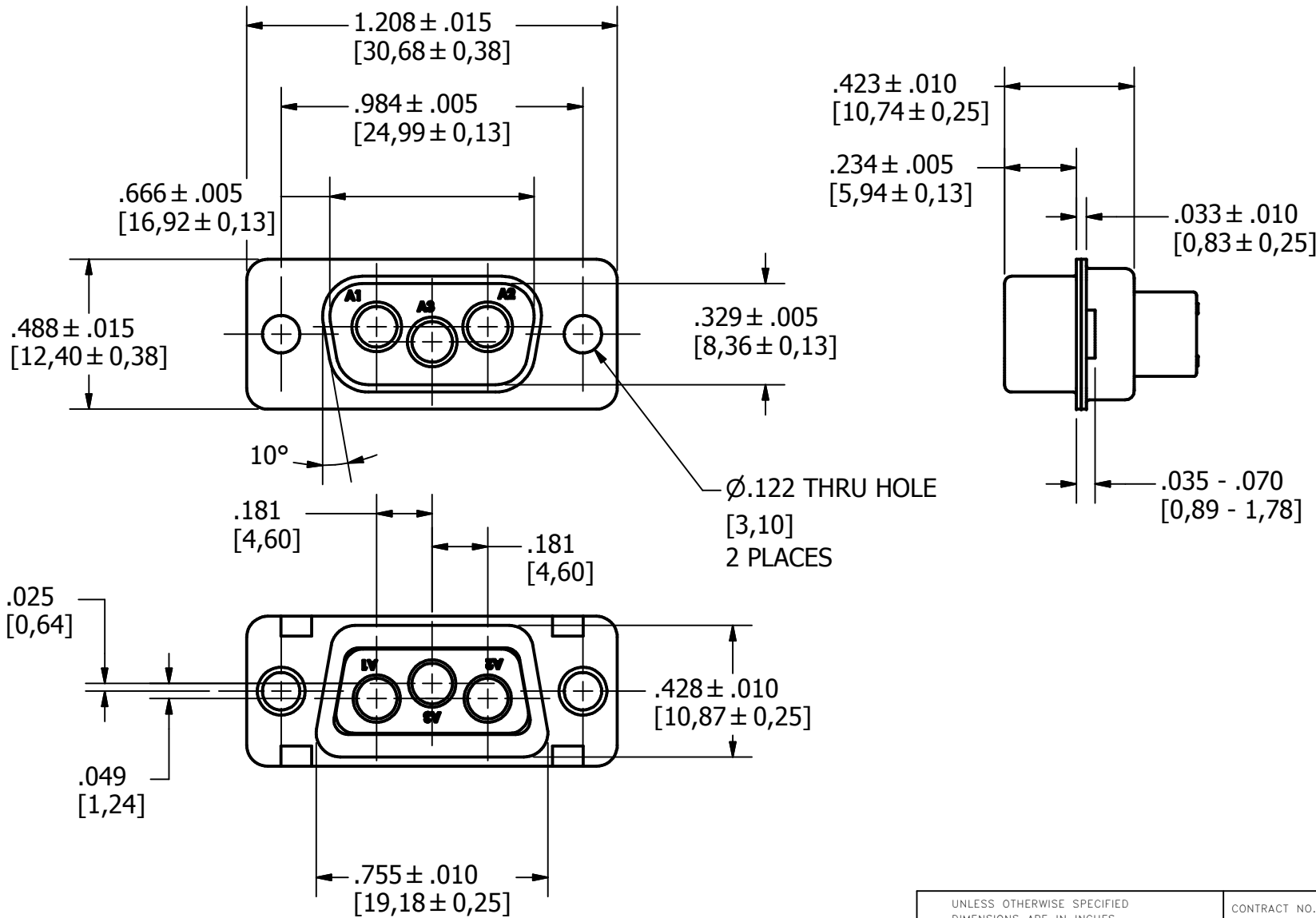
5.) DIMENSIONS ARE FOR REFERENCE ONLY, UNLESS OTHERWISE SPECIFIED.

6.) CONNECTOR MEETS REQUIREMENTS OF MIL-C-24308, LATEST REVISION.

7.) ABOVE REQUIREMENTS DO NOT INCLUDE PDM AND PKZ CONTACTS, PLEASE SEE INDIVIDUAL SPECIFICATION SHEETS.

8.) METRIC DIMENSIONS ARE SHOWN FOR REFERENCE, CONNECTORS ARE DESIGNED IN INCHES.

REV	DESCRIPTION	DATE	APPROVAL
A	ECN#11740 RELEASED FOR PRODUCTION	7/26/2013	



NEXT ASSEMBLY	USED ON

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± 1/64 .XX ± .01 ± 1/2° .XXX ± .003	CONTRACT NO.
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DO NOT SCALE DRAWING	DATE: 4/25/2013

<i>The PHOENIX Company of Chicago™</i>			
HD, D-SUB CONNECTOR, SIZE 12 PTRP3W35, PLUG, CLRCROM / ZINC			
SIZE	FSCM NO.	DWG. NO.	REV.
B	60563	PTRP3W35	A
SCALE	2 X 1		SHEET 1 OF 1

4

3

2

1

4

3

2

1

SPECIFICATIONS:

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 SHELLS: COLD ROLLED STEEL, PER ASTM A568 AND ASTM A620.

2.) FINISHES AND COLOR:
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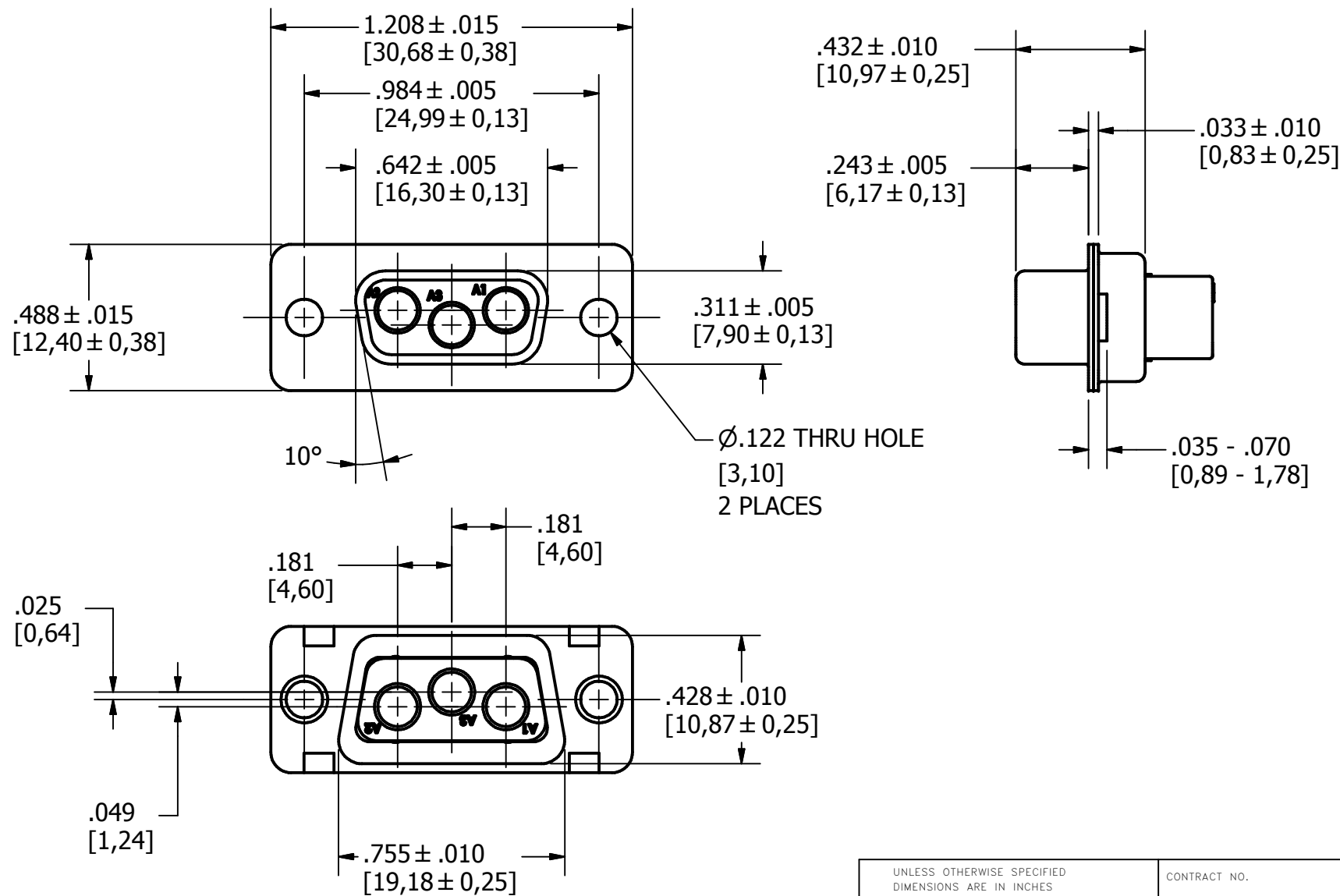
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REV	DESCRIPTION	DATE	APPROVAL
A	ECN#11740 RELEASED FOR PRODUCTION	7/26/2013	



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APPLICATIONS	

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DO NOT SCALE DRAWING		DATE: 4/25/2013

<i>The PHOENIX Company of Chicago™</i>			
HD, D-SUB CONNECTOR, SIZE 12 PTRR3W35, RECEPTACLE, CLRCROM / ZINC			
SIZE	FSCM NO.	DWG. NO.	REV.
B	60563	PTRR3W35	A
SCALE 2 X1		SHEET 1 OF 1	

4

3

2

1

SPECIFICATIONS:

1.) MATERIALS:
 INSERTS: VALOX, TYPE GPT-30F, PER MIL-M-24519.
 SHELLS: COLD ROLLED STEEL, PER ASTM A568 AND ASTM A620.

2.) FINISHES AND COLOR:
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 SHELLS: RoHS COMPLIANT, HIGH RESISTANCE CLEAR CHROMATE OVER ZINC, PER ASTM B633, CLASS FE/ZN12 (.000500 MIN.), SERVICE CONDITION SC3, TYPE III.

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 200 TO 325 VOLTS RMS AT 70,000 FEET.
 INSULATION RESISTANCE: 1 MEGOHM MINIMUM.

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 VIBRATION RESISTANCE: NO INTERRUPTION OF ELECTRICAL CONTINUITY LONGER THAN 1 MICROSECOND.

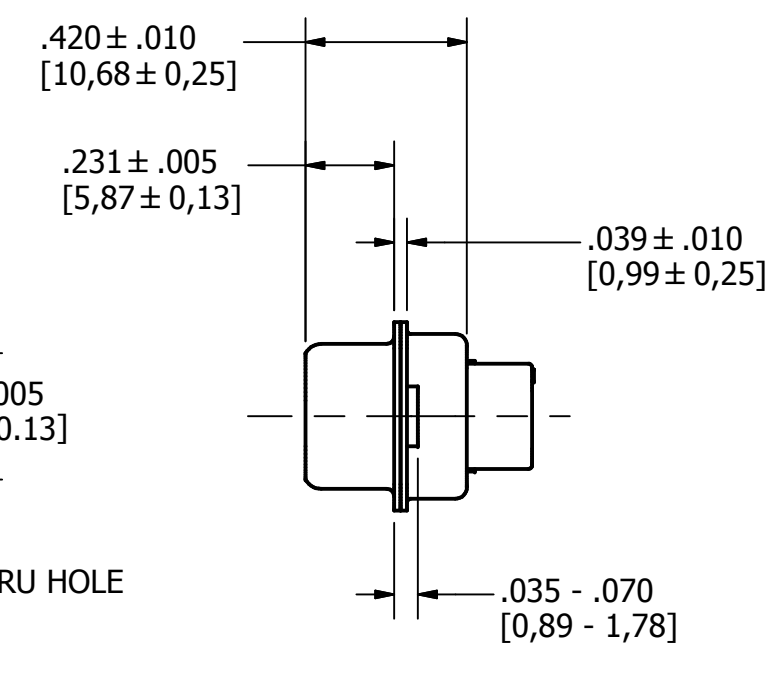
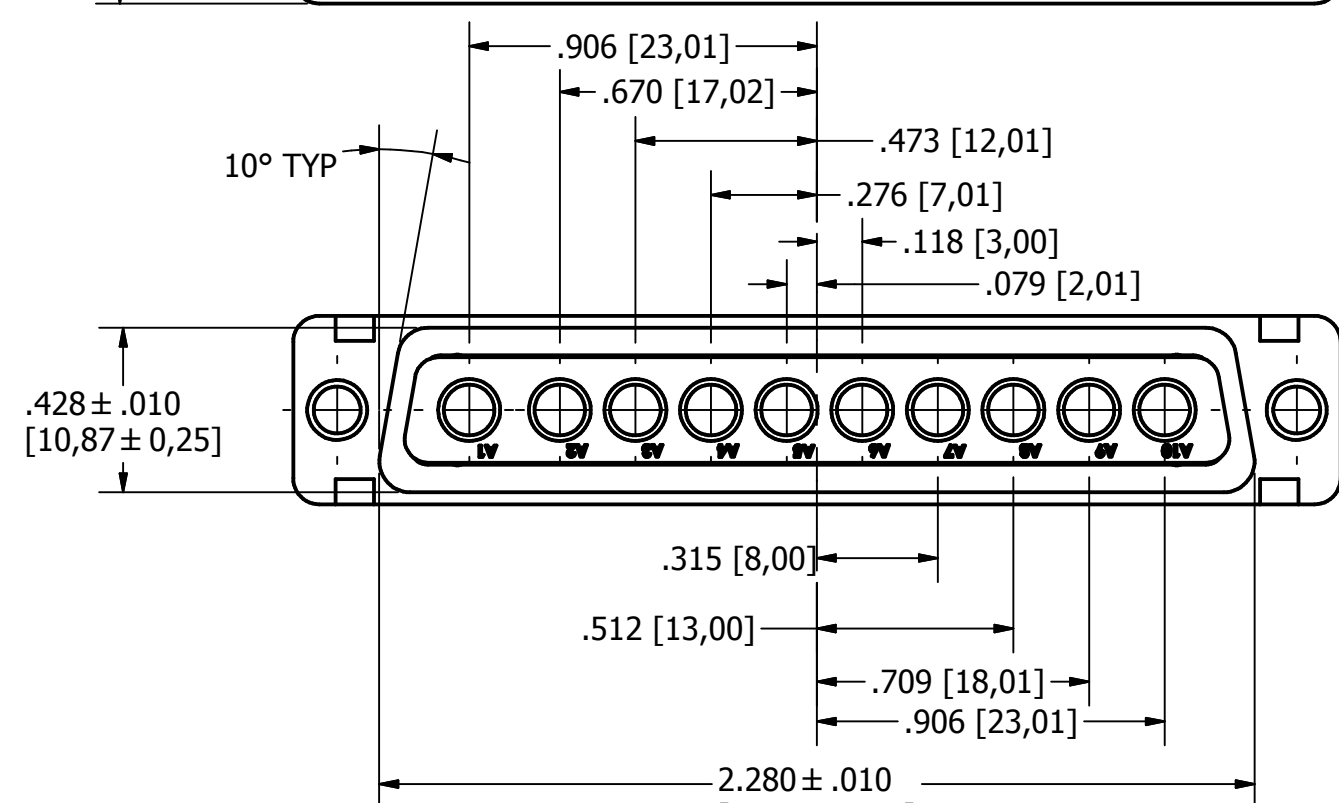
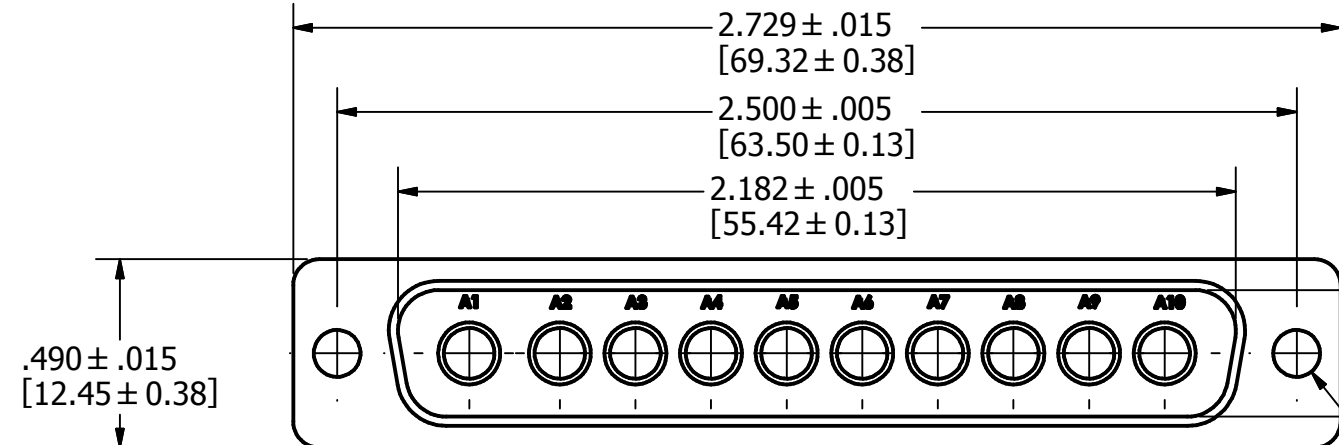
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6.) CONNECTOR MEETS REQUIREMENTS OF MIL-C-24308, LATEST REVISION.

7.) ABOVE REQUIREMENTS DO NOT INCLUDE PDM AND PKZ CONTACTS, PLEASE SEE INDIVIDUAL SPECIFICATION SHEETS.

8.) METRIC DIMENSIONS ARE SHOWN FOR REFERENCE, CONNECTORS ARE DESIGNED IN INCHES.

REV	DESCRIPTION	DATE	APPROVAL
A	ECN#11740 RELEASED FOR PRODUCTION	7/26/2013	



NEXT ASSEMBLY	USED ON
APPLICATIONS	DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES $\pm 1/64$.XX ± .01 $\pm 1/2^\circ$.XXX ± .003		CONTRACT NO.		<i>The PHOENIX Company of Chicago™</i> HD, D-SUB CONNECTOR, SIZE 12 PTRP10W105, PLUG, CLRCROM / ZINC	
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		DRAWN R.M.Bradley CHECKED ISSUED	4/16/2013	SIZE	FSCM NO.
				B	60563
				DWG. NO.	REV.
				PTRP10W105	A
				SCALE	SHEET 1 OF 1
				2 X 1	

4 3 2 1

SPECIFICATIONS:

1.) MATERIALS:
 INSERTS: VALOX, TYPE GPT-30F, PER MIL-M-24519.
 SHELLS: COLD ROLLED STEEL, PER ASTM A568 AND ASTM A620.

2.) FINISHES AND COLOR:
 INSERT: BLACK.
 SHELLS: RoHS COMPLIANT, HIGH RESISTANCE CLEAR CHROMATE OVER ZINC, PER ASTM B633, CLASS FE/ZN12 (.000500 MIN.), SERVICE CONDITION SC3, TYPE III.

3.) ELECTRICAL PROPERTIES:
 DIELECTRIC STRENGTH:
 500 TO 1,000 VOLTS RMS AT SEA LEVEL;
 200 TO 325 VOLTS RMS AT 70,000 FEET.
 INSULATION RESISTANCE: 1 MEGOHM MINIMUM.

4.) MECHANICAL PROPERTIES:
 OPERATING TEMPERATURE: -67° F TO +257° F (-55° C TO +125° C).
 SHOCK RESISTANCE: NO INTERRUPTION OF ELECTRICAL CONTINUITY LONGER THAN 1 MICROSECOND.
 VIBRATION RESISTANCE: NO INTERRUPTION OF ELECTRICAL CONTINUITY LONGER THAN 1 MICROSECOND.

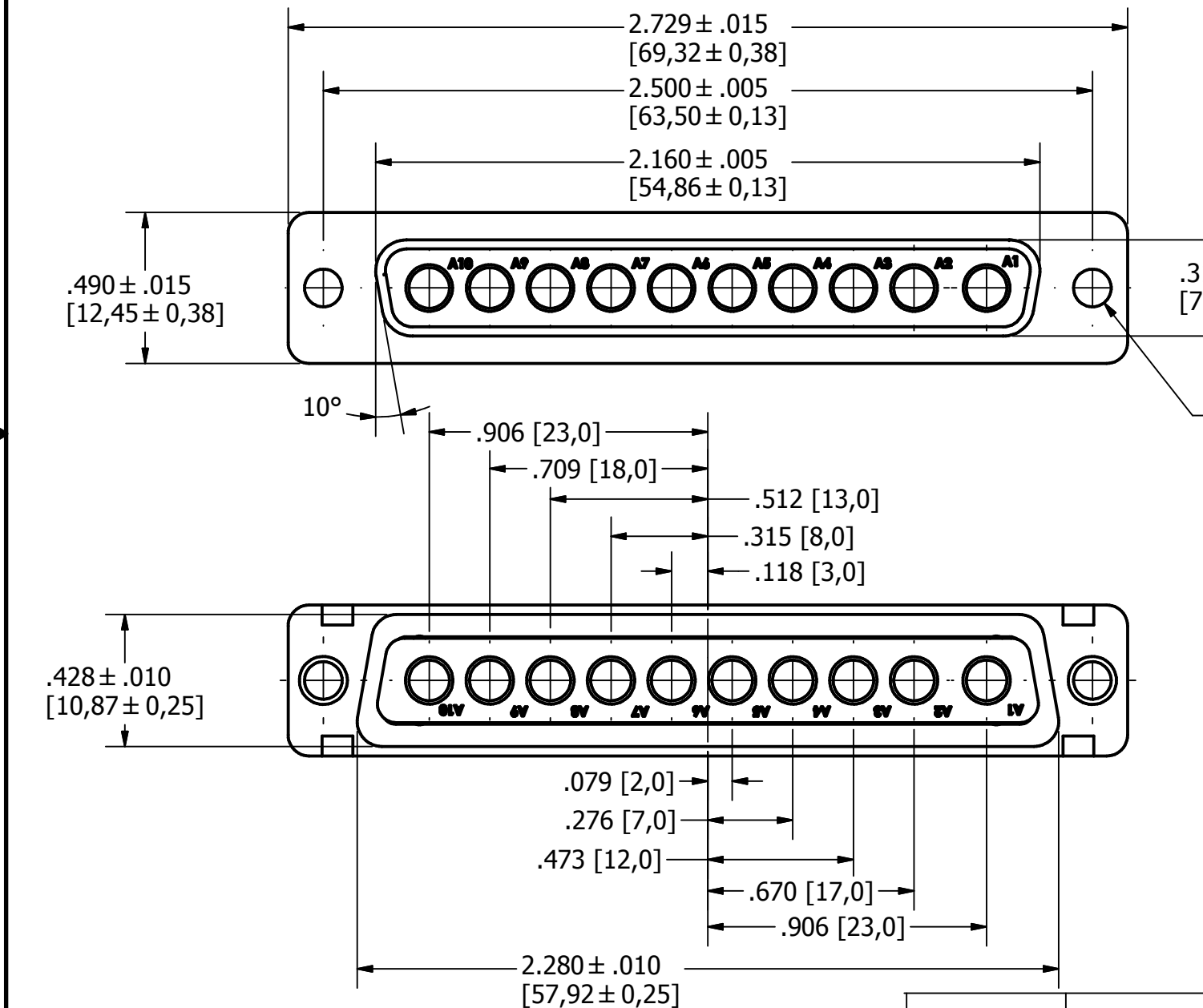
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6.) CONNECTOR MEETS REQUIREMENTS OF MIL-C-24308, LATEST REVISION.

7.) ABOVE REQUIREMENTS DO NOT INCLUDE PDM AND PKZ CONTACTS, PLEASE SEE INDIVIDUAL SPECIFICATION SHEETS.

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REV	DESCRIPTION	DATE	APPROVAL
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		DRAWN R.M.Bradley		4/16/2013	
		NEXT ASSEMBLY		USED ON	
APPLICATIONS		DO NOT SCALE DRAWING		SCALE 2 X 1	

DRAWN R.M.Bradley		DATE 4/16/2013		HD, D-SUB CONNECTOR, SIZE 12	
CHECKED		ISSUED		PTRR10W105 RECEPTACLE, CLRCROM / ZINC	
SIZE B	FSCM NO. 60563	DWG. NO. PTRR10W105	REV. A		
SHEET 1 OF 1					

SPECIFICATIONS:
 1.) MATERIALS:
 INSERTS: VALOX, TYPE GPT-30F, PER MIL-M-24519.
 SHELLS: COLD ROLLED STEEL, PER ASTM A568 AND ASTM A620.

2.) FINISHES AND COLOR:
 INSERT: BLACK.
 SHELLS: RoHS COMPLIANT, HIGH RESISTANCE CLEAR CHROMATE OVER ZINC, PER ASTM B633, CLASS FE/ZN12 (.000500 MIN.), SERVICE CONDITION SC3, TYPE III.

3.) ELECTRICAL PROPERTIES:
 DIELECTRIC STRENGTH:
 500 TO 1,000 VOLTS RMS AT SEA LEVEL;
 200 TO 325 VOLTS RMS AT 70,000 FEET.
 INSULATION RESISTANCE: 1 MEGOHM MINIMUM.

4.) MECHANICAL PROPERTIES:
 OPERATING TEMPERATURE: -67° F TO +257° F (-55° C TO +125° C).
 SHOCK RESISTANCE: NO INTERRUPTION OF ELECTRICAL CONTINUITY LONGER THAN 1 MICROSECOND.
 VIBRATION RESISTANCE: NO INTERRUPTION OF ELECTRICAL CONTINUITY LONGER THAN 1 MICROSECOND.

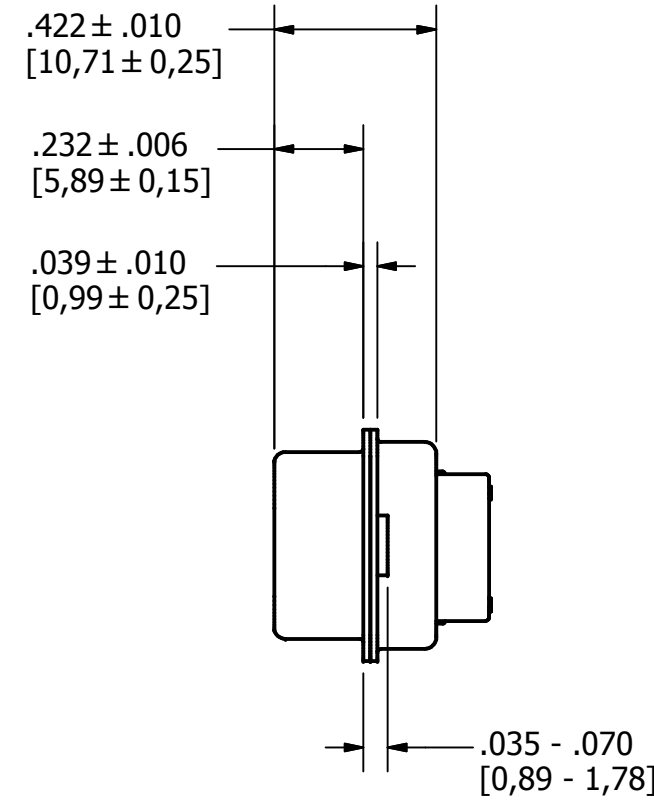
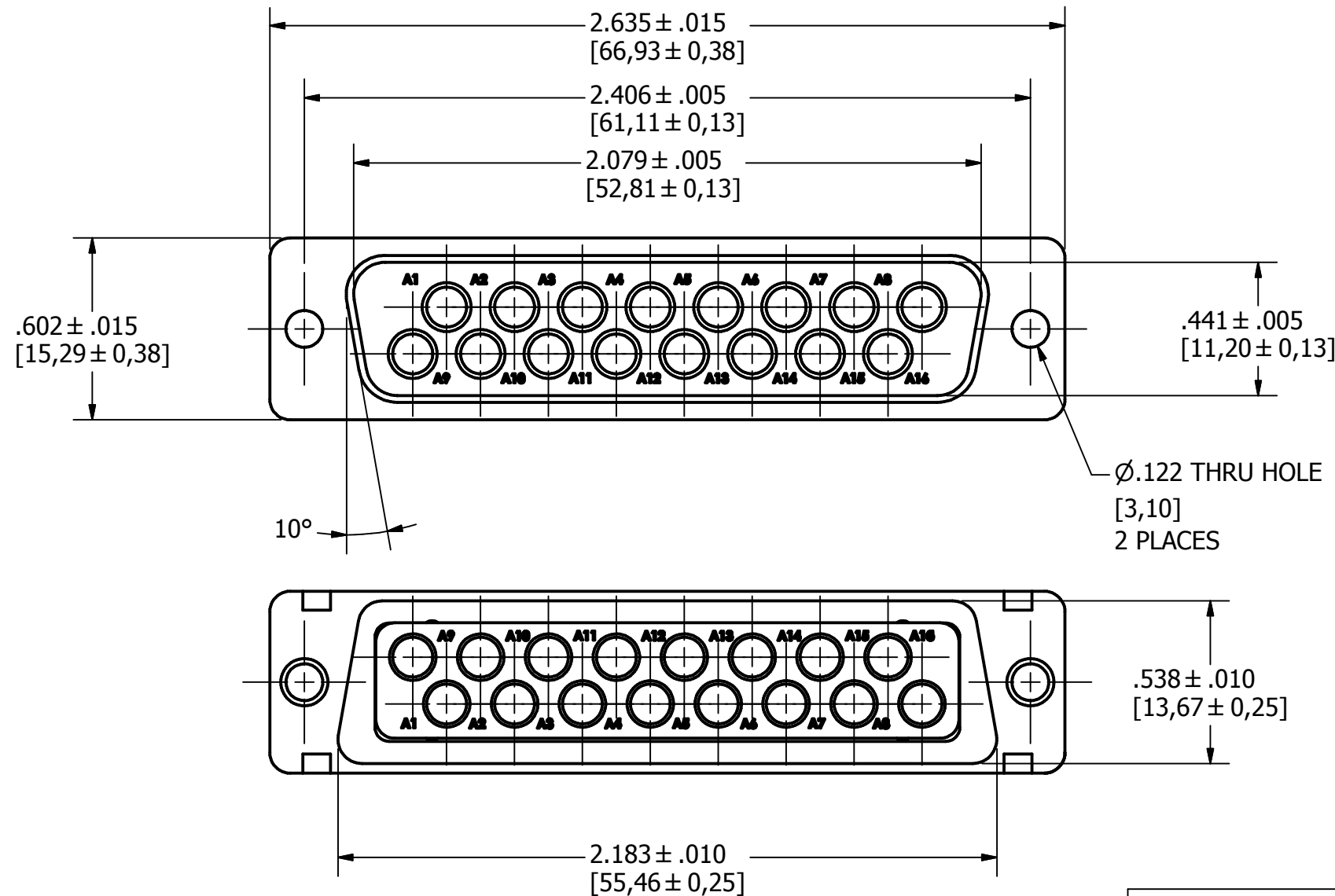
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6.) CONNECTOR MEETS REQUIREMENTS OF MIL-C-24308, LATEST REVISION.

7.) ABOVE REQUIREMENTS DO NOT INCLUDE PDM AND PKZ CONTACTS, PLEASE SEE INDIVIDUAL SPECIFICATION SHEETS.

8.) METRIC DIMENSIONS ARE SHOWN FOR REFERENCE, CONNECTORS ARE DESIGNED IN INCHES.

REV	DESCRIPTION	DATE	APPROVAL
A	ECN#11740 RELEASED FOR PRODUCTION	7/26/2013	



UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
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 FRACTIONS DECIMALS ANGLES
 ± 1/64 .XX ± .01 ± 1/2°
 .XXX ± .003

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NEXT ASSEMBLY	USED ON
APPLICATIONS	

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CONTRACT NO.	
APPROVALS	DATE
DRAWN R.M. Bradley	4/19/2013
CHECKED	
ISSUED	

The **PHOENIX** Company of Chicago™

**HD, D-SUB CONNECTOR, SIZE 12
 PTRP16W165, PLUG, CLRCROM / ZINC**

SIZE B	FSCM NO. 60563	DWG. NO. PTRP16W165	REV. A
SCALE 2 X 1		SHEET 1 OF 1	

4

3

2

1

SPECIFICATIONS:

1.) MATERIALS:
 INSERTS: VALOX, TYPE GPT-30F, PER MIL-M-24519.
 SHELLS: COLD ROLLED STEEL, PER ASTM A568 AND ASTM A620.

2.) FINISHES AND COLOR:
 INSERT: BLACK.
 SHELLS: RoHS COMPLIANT, HIGH RESISTANCE CLEAR CHROMATE OVER ZINC, PER ASTM B633, CLASS FE/ZN12 (.000500 MIN.), SERVICE CONDITION SC3, TYPE III.

3.) ELECTRICAL PROPERTIES:
 DIELECTRIC STRENGTH:
 500 TO 1,000 VOLTS RMS AT SEA LEVEL;
 200 TO 325 VOLTS RMS AT 70,000 FEET.
 INSULATION RESISTANCE: 1 MEGOHM MINIMUM.

4.) MECHANICAL PROPERTIES:
 OPERATING TEMPERATURE: -67° F TO +257° F (-55° C TO +125° C).
 SHOCK RESISTANCE: NO INTERRUPTION OF ELECTRICAL CONTINUITY LONGER THAN 1 MICROSECOND.
 VIBRATION RESISTANCE: NO INTERRUPTION OF ELECTRICAL CONTINUITY LONGER THAN 1 MICROSECOND.

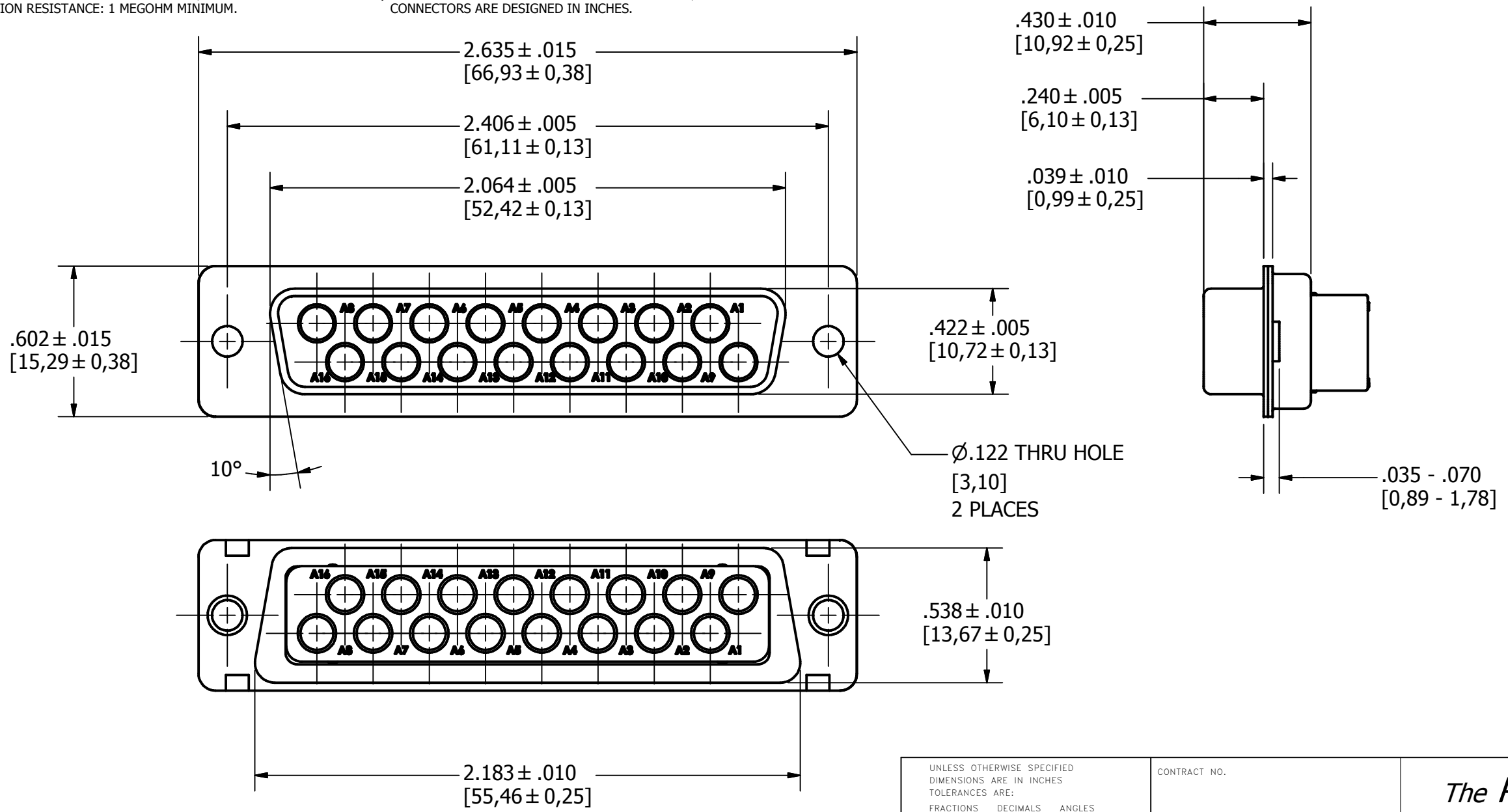
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A	ECN#11740 RELEASED FOR PRODUCTION	7/26/2013	



APPROVALS	DATE
R.M. Bradley	4/19/2013
CHECKED	
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<i>The PHOENIX Company of Chicago™</i>			
HD, D-SUB CONNECTOR, SIZE 12 PTRR16W165, RECEPTACLE, CLRCROM / ZINC			
SIZE	FSCM NO.	DWG. NO.	REV.
B	60563	PTRR16W165	A
SCALE 2 X 1		SHEET 1 OF 1	

4

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1