

TABLE 1	
PART NUMBER	"B"
SCRES-G-XX.XX-D	12.7 [0.50]
SCRES-G-XX.XX-BC	12.7 [0.50]

DO NOT SCALE FROM THIS PRINT

DESIGNED & DIMENSIONED IN MILLIMETERS[INCHES]

SCRES-X-XX.XX-XX

PLATING SPECIFICATION

-G: .000050" GOLD ON CONTACT AREAS, NICKEL ON SHELLS

END OPTION

-D: DOUBLE ENDED (ONE END SEALED) (SEE FIG 1, SHT. 1)  
-BC: BLUNT CUT (SEE FIG 2, SHT. 2)

LENGTH

-xx.xx (SEE TABLE 1) (IN METERS)  
(0.17M[6.69] MIN - 50.00M[1968.50] MAX)

**\*NOTE:** -0.25 AND -0.50 ARE CATALOG STANDARD LENGTHS. FOR OTHER LENGTHS CONTACT SAMTEC.

**pb THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING**

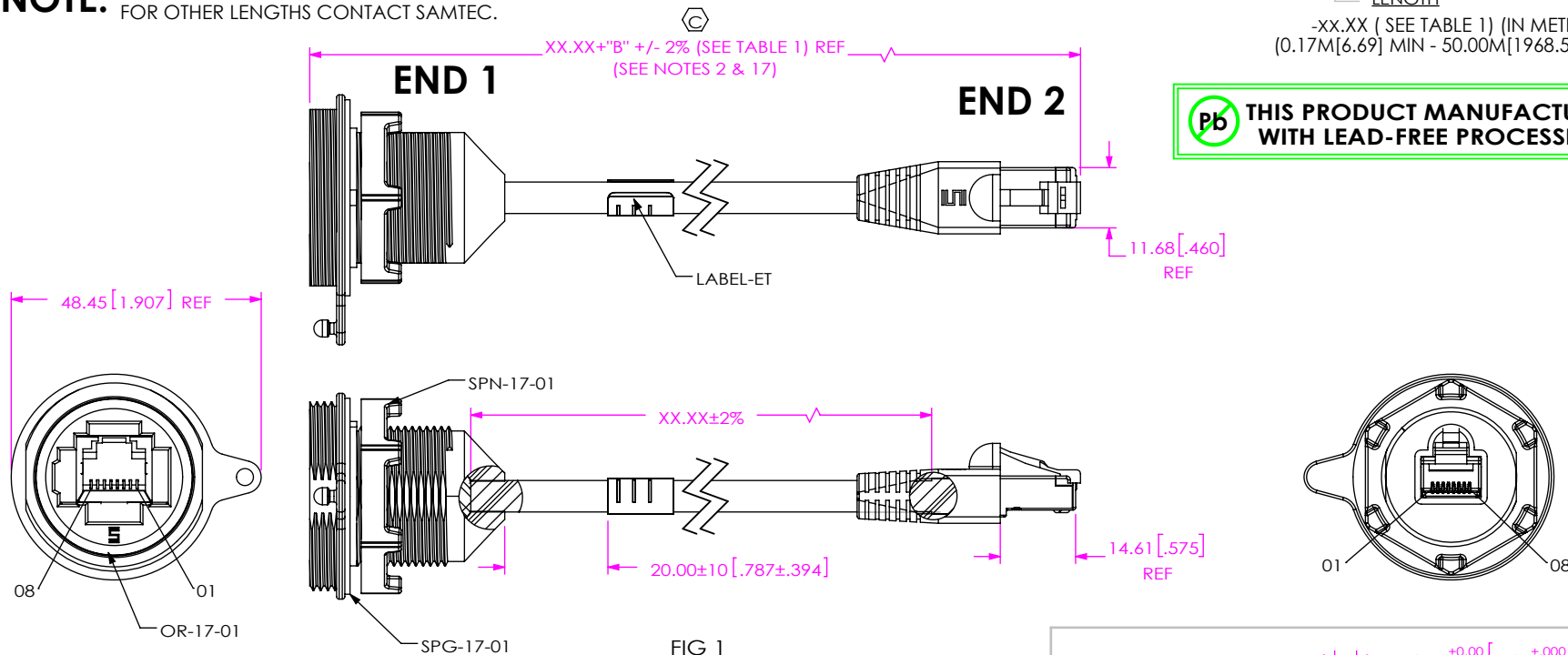
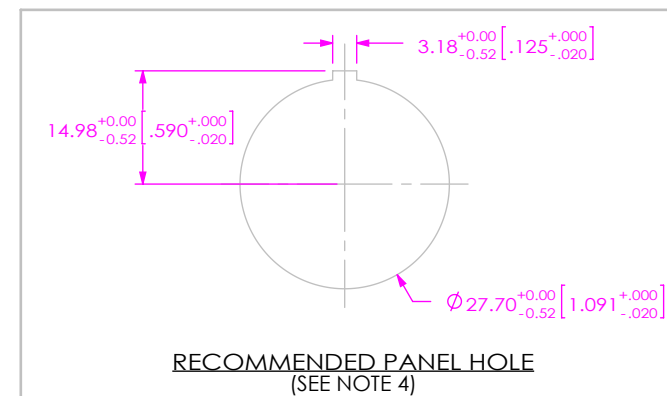


FIG 1  
SCRES-G-XX.XX-D



NOTES:

1. REPRESENTS A CRITICAL DIMENSION.
2. ASSEMBLY TO BE 100% TESTED TO CAT 3 USING FLUKE DTX-1800 CABLE ANALYZER BEFORE PREMOLD AND AFTER FINISHED ASSEMBLY. AFTER FINAL ELECTRICAL TEST, LABEL WITH 1 LABEL-ET.
3. DELETE
4. PANEL THICKNESS: 0.8[.03] - 5.2[.20].
5. NOTE DELETED.
6. TORQUE SPECIFICATION FOR SPN-17-01 IS 12 IN-LB.
7. PART MUST SCREW INTO SAMTEC PART # SCN-17-01.
8. PART MUST SCREW INTO SAMTEC PART # SPN-17-01
9. FLAT REQUIRED AT PARTING LINE OF CAMS TO AVOID DRAGGING THREADS.
10. NOTE DELETED.
11. ALL IDENTIFICATION MARKS MUST NOT STAND GREATER THAN 0.051 [.002] OFF THE SURFACE OF THE PART.
12. MOLD TO BE INSERTED TO ACCEPT DIFFERENT CABLE DIAMETERS.
13. ALL EJECTOR PIN AND GATE LOCATIONS MUST BE APPROVED BY SAMTEC PRODUCT ENGINEERING.
14. ANY ADDITIONAL VOIDING AND/OR MODIFICATIONS TO VOIDING MUST BE APPROVED BY SAMTEC PRODUCT ENGINEERING.
15. SAMTEC LOGO SHALL APPEAR ON SURFACE SHOWN, APPROXIMATELY 1.88 X 3.00.
16. COMPONENTS OF ASSEMBLY TO BE INSPECTED USING COMPONENT PRINTS.
17. ASSEMBLY TO BE BULK PACKAGED.
18. NOTE DELETED.

CPC FREQUENCY THIS SHEET	
A	
B	C2
C	
D	

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.  
TOLERANCES ARE:  
DECIMALS ANGLES  
X.X: ±0.35[.014] 2°  
X.XX: ±0.25[.010]  
X.XXX: ±0.15[.0060]

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MATERIAL: DO NOT SCALE DRAWING

INSULATOR: GLASS FILLED THERMOPLASTIC  
CONTACTS: COPPER ALLOY  
SHIELDS: CR3  
CABLE NUT: PA66  
SEALED PREMOLD: TPE (RF640A), SHOT WEIGHT: 10.66G[.024LB]  
SEALED OVERMOLD: PA66 GF14 FR (80G14), SHOT WEIGHT: 12.7G[.028LB]

SHEET SCALE: 1:1.5384

DESCRIPTION:

SEALED CIRCULAR RECEPTACLE, ETHERNET

DWG. NO.

SCRES-X-XX.XX-XX

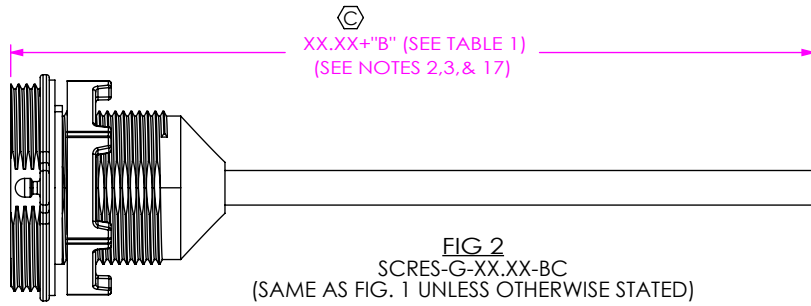
BY: B.HARPENAU 5/4/2007

SHEET 1 OF 6



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e-Mail: info@SAMTEC.com code: 55322

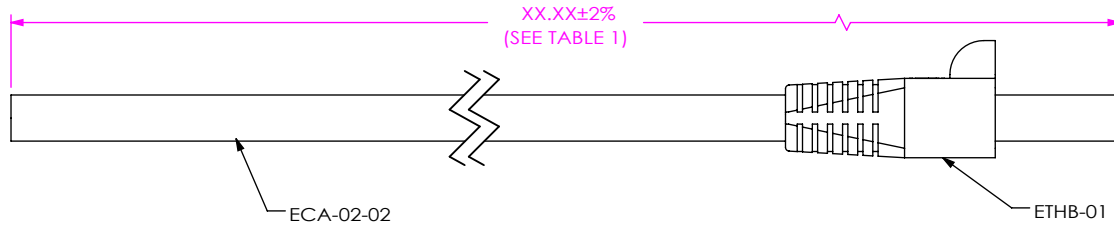
END 1



END 1

-D: IN-PROCESS 1  
ECA-02-02  
CUT CABLE TO LENGTH  
& ADD ETHB-01

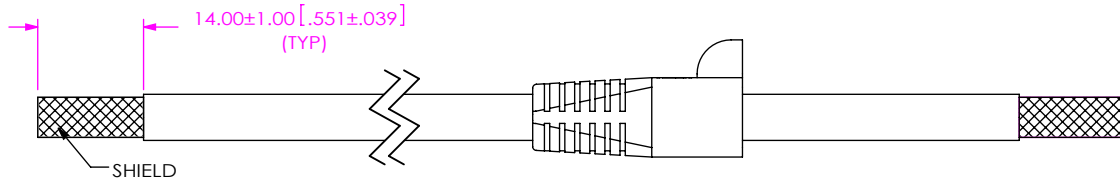
END 2



END 1

-D: IN-PROCESS 2  
STRIP OUTER JACKET TO DIMENSION SHOWN

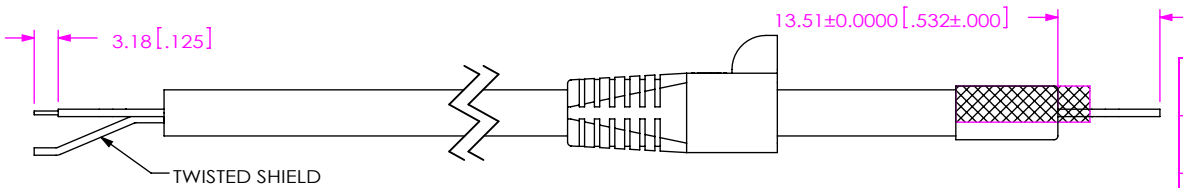
END 2



END 1

-D: IN-PROCESS 3  
J1 END: TWIST SHIELD TO FORM SINGLE CONDUCTOR.  
STRIP INDIVIDUAL WIRES TO DIMENSION SHOWN & TIN DIP  
J2 END: FOLD BACK SHIELD

END 2



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A	
B	C3, C4
C	
D	

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DESCRIPTION:  
SEALED CIRCULAR RECEPTACLE, ETHERNET  
DWG. NO.

SCRES-X-XX.XX-XX

BY: B.HARPENAU 5/4/2007 SHEET 2 OF 6

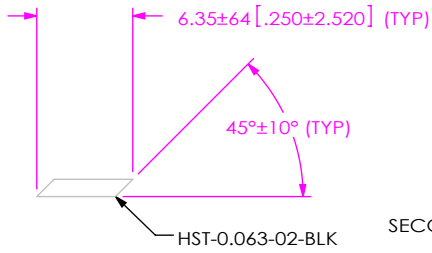


FIG 3  
HST-0.063-02-BLK

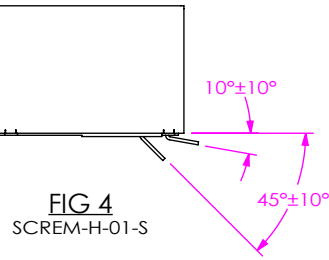
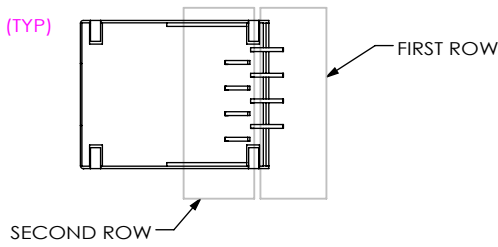
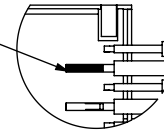


FIG 4  
SCREM-H-01-S

**-D: IN-PROCESS 4 J1 END**

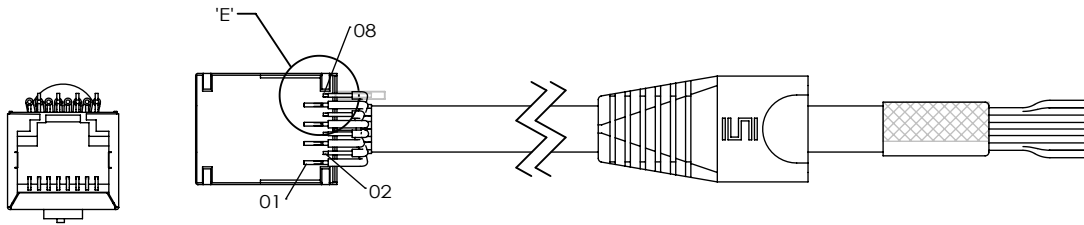
CUT HEAT SHRINK (SEE FIG.3)  
 ADD HEAT SHRINK TO INDIVIDUAL WIRES  
 FORM FIRST ROW OF TAILS (SEE FIG. 4)  
 TERMINATE WIRES TO FIRST ROW OF LEADS  
 PUSH HEAT SHRINK TO BASE OF TAIL AND ACTIVATE  
 FORM SECOND ROW OF TAILS (SEE FIG.4)  
 TERMINATE WIRES TO SECOND ROW OF LEADS  
 PUSH HEAT SHRINK TO BASE OF TAIL AND ACTIVATE  
 SOLDER SHIELD TO SCREM-H-01-S SHIELD

HST-0.063-02-BLK  
AFTER ACTIVATED

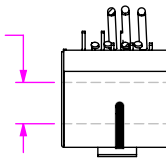


DETAIL 'E'  
SCALE 2 : 1

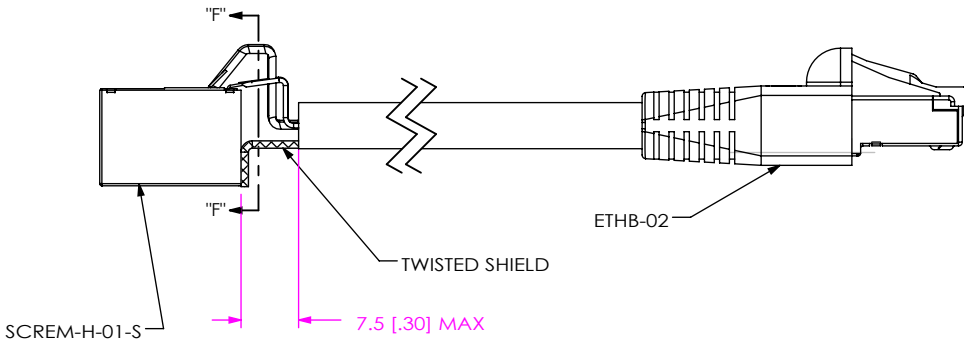
TABLE 2 - PIN-OUT	
END 1	COLOR
01	WHITE/ORANGE
02	ORANGE
03	WHITE/GREEN
04	BLUE
05	WHITE/BLUE
06	GREEN
07	WHITE/BROWN
08	BROWN
SHELL	BRAID



3.59 [.141] MAX  
(SHIELD TO BE SOLDERED IN THIS AREA)



SECTION "F"-"F"



SCREM-H-01-S

ETHB-02

TWISTED SHIELD

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C	
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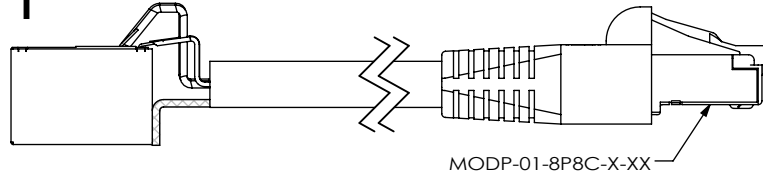
DWG. NO.  
**SCRES-X-XX.XX-XX**

BY: B.HARPENAU/4/2007 SHEET 3 OF 6

TABLE 3 - PIN-OUT		
END 1	COLOR	END 2
01	WHITE/ORANGE	01
02	ORANGE	02
03	WHITE/GREEN	03
04	BLUE	04
05	WHITE/BLUE	05
06	GREEN	06
07	WHITE/BROWN	07
08	BROWN	08
SHELL	BRAID	SHELL

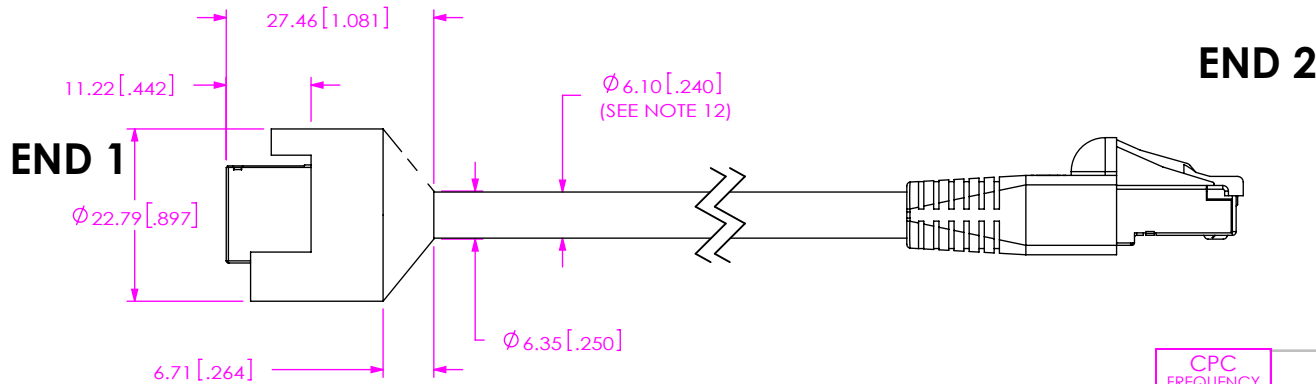
**-D: IN-PROCESS 5**  
 TERMINATE J2 TO MODP-01-8P8C-X-XX AND SLIDE  
 ETHB-02 ONTO MODP-01-8P8C-X-XX  
 (SEE NOTE 2)

**END 1**



**END 2**

**-D: IN-PROCESS 6**  
 ADD PREMOLD



**END 2**

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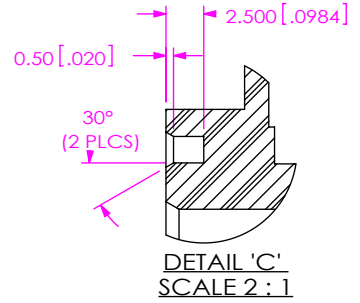
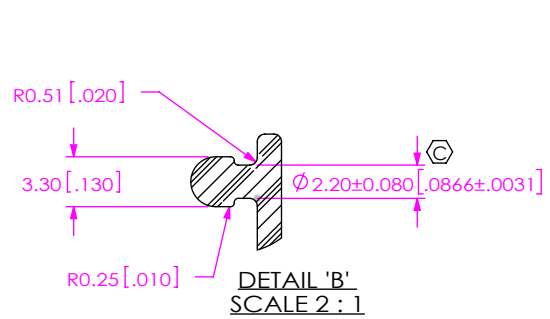
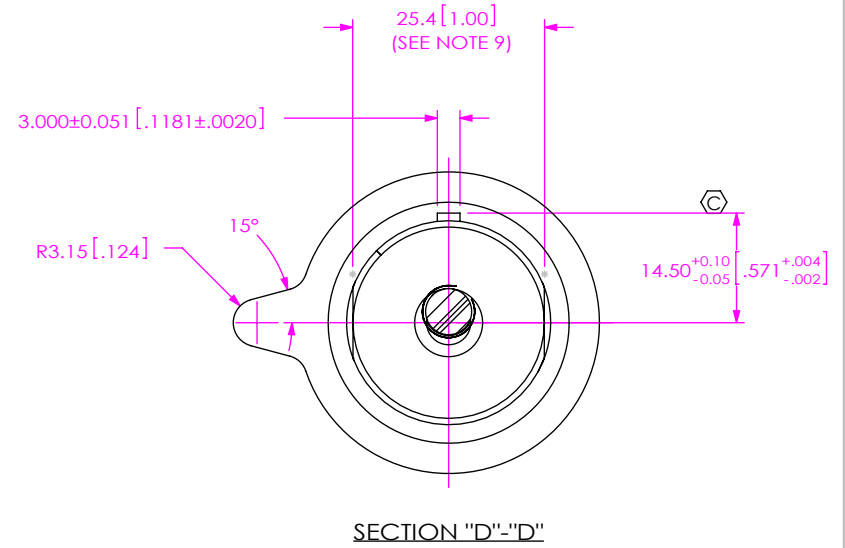
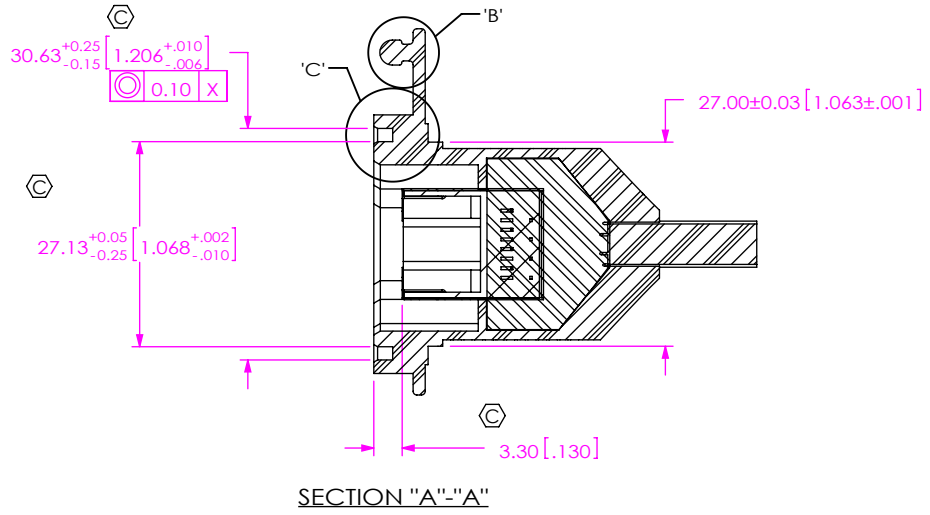
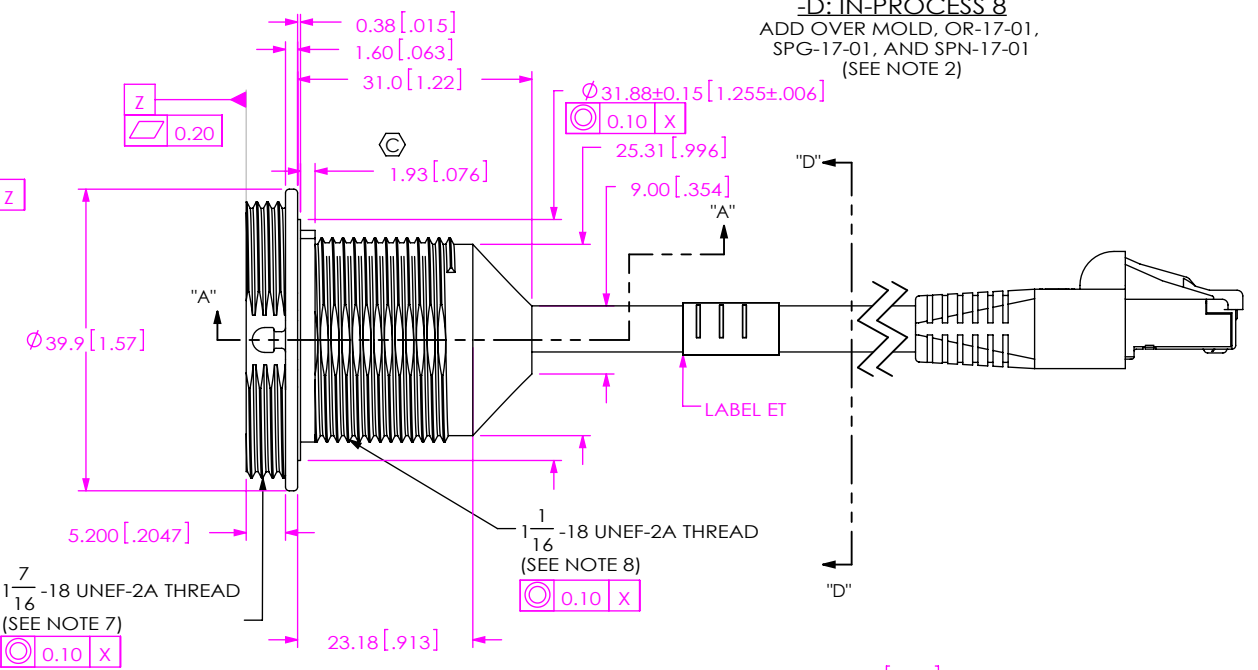
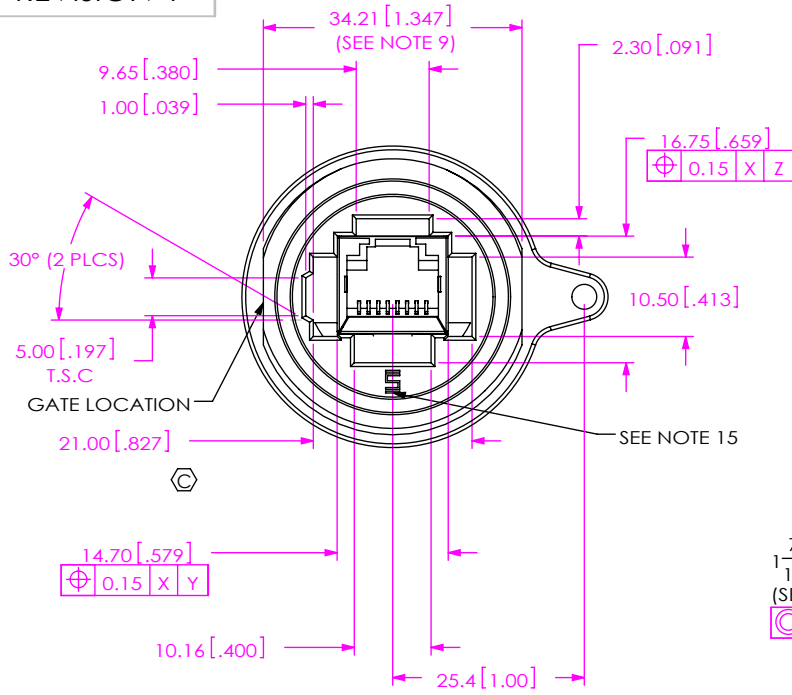
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DWG. NO. **SCRES-X-XX.XX-XX**

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-D: IN-PROCESS 8  
 ADD OVER MOLD, OR-17-01,  
 SPG-17-01, AND SPN-17-01  
 (SEE NOTE 2)



CPC FREQUENCY THIS SHEET	
A	C6, C7, C12
B	
C	
D	

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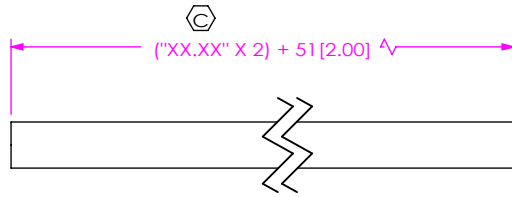
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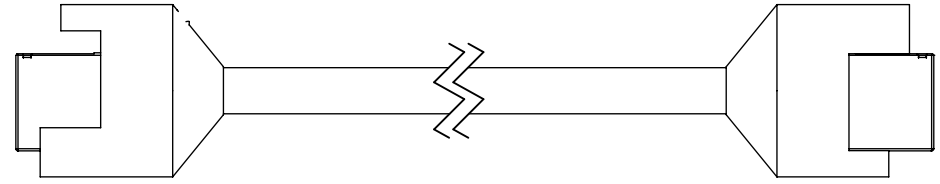
DESCRIPTION:  
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 DWG. NO.

**SCRES-X-XX.XX-XX**

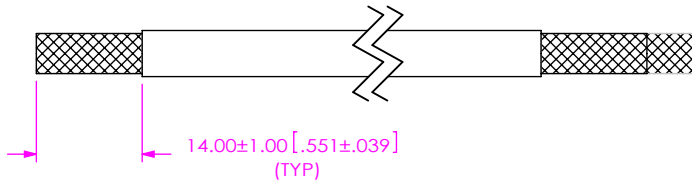
**-BC: IN-PROCESS 1**  
 ECA-02-XX  
 CUT CABLES TO LENGTH



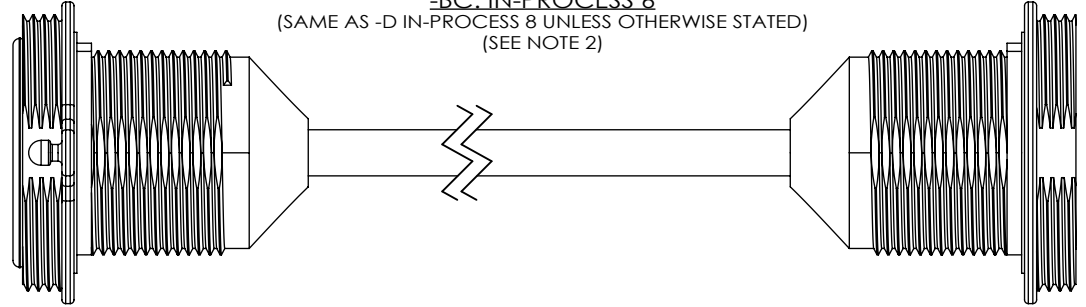
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 (SAME AS -D IN-PROCESS 7 UNLESS OTHERWISE STATED)



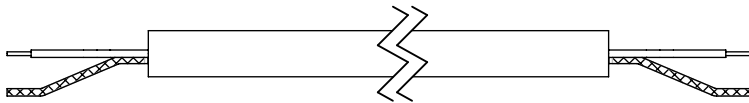
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 (SAME AS -D UNLESS OTHERWISE STATED)



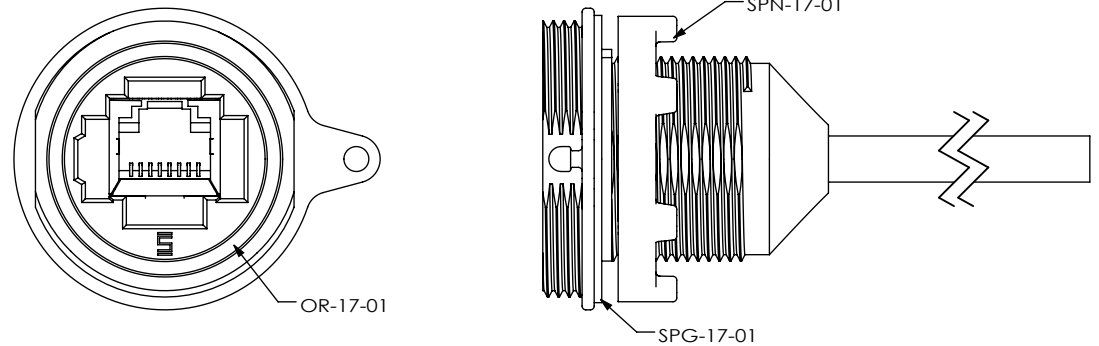
**-BC: IN-PROCESS 6**  
 (SAME AS -D IN-PROCESS 8 UNLESS OTHERWISE STATED)  
 (SEE NOTE 2)



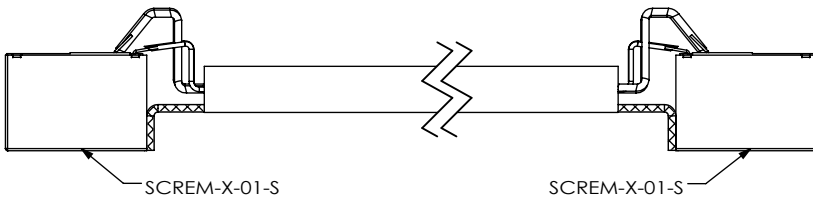
**-BC: IN-PROCESS 3**  
 (SAME AS -D UNLESS OTHERWISE STATED)



**-BC: IN-PROCESS 7**  
 CUT IN HALF & TRIM TO LENGTH  
 ADD OR-17-01, SPG-17-01, & SPN-17-01



**-BC: IN-PROCESS 4**  
 (SAME AS -D UNLESS OTHERWISE STATED)



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**SCRES-X-XX.XX-XX**

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