

TABLE 1			
PART NUMBER	LENGTH (REF)	"A" REF (SEE NOTE 14)	"B" (SEE NOTE 14)
SCPE-G-02.00-D	02.00	2000[78.74]	2003[78.86]
SCPE-G-03.00-D	03.00	3000[118.11]	3003[118.23]
SCPE-G-05.00-D	05.00	5000[196.85]	5003[196.97]
SCPE-G-02.00-S	02.00	2000[78.74]	2003[78.86]
SCPE-G-03.00-S	03.00	3000[118.11]	3003[118.23]
SCPE-G-05.00-S	05.00	5000[196.85]	5003[196.97]
SCPE-G-02.00-BC	02.00	2000[78.74]	2001.5[78.80]
SCPE-G-03.00-BC	03.00	3000[118.11]	3001.5[118.17]
SCPE-G-05.00-BC	05.00	5000[196.85]	5001.5[196.91]

DESIGNED & DIMENSIONED
IN MILLIMETERS [INCHES]

SCPE-X-XX.XX-XX-X

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

OUTDOOR OPTION
-O: OUTDOOR RATED
(USE ECA-02-02)
IF BLANK USE ECA-01-01

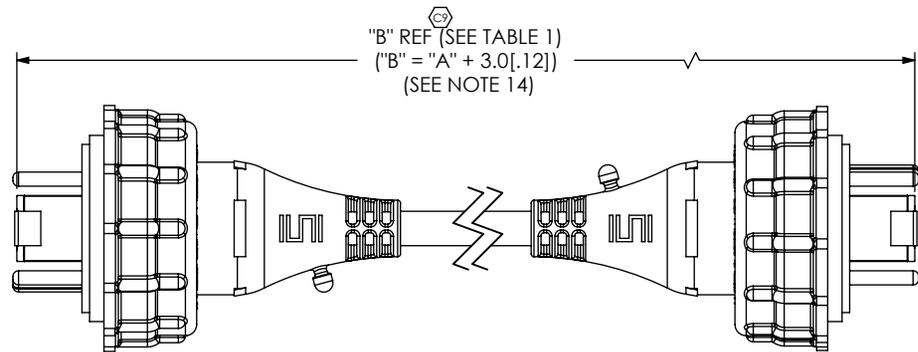
LENGTH

-XX.XX (IN METERS)

H (0.20M[7.87] MIN - 50.00M[1968.50] MAX)

END OPTION

-D: DOUBLE ENDED
(BOTH ENDS SEALED)
(SEE FIG. 1, SHT. 1)
-S: SINGLE ENDED
(ONE END SEALED)
(SEE FIG. 2, SHT. 2)
-BC: BLUNT CUT
(ONE END SEALED)
(SEE FIG. 3, SHT. 3)



THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

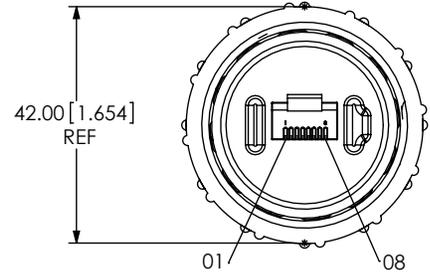
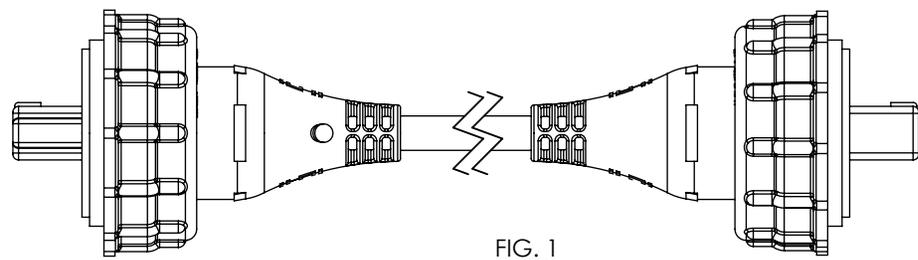
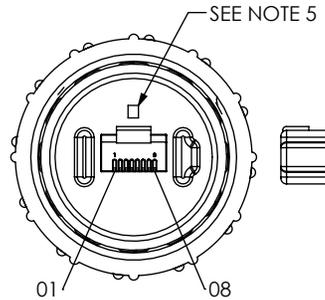


FIG. 1
SCPE-G-XX.XX-D SHOWN
(SEE SHEETS 4-6 FOR IN-PROCESS VIEWS)

DO NOT
SCALE FROM
THIS PRINT

NOTES:

1. C10 REPRESENTS A CRITICAL DIMENSION.
2. NOTE DELETED.
3. SAMTEC LOGO TO APPEAR ON SURFACE AS SHOWN, APPROXIMATELY 4.50[.177] x 7.50[.295], RAISED 0.25[.010].
4. MOLDED SURFACES SHALL BE CONSISTENT AND SMOOTH. SURFACES TO BE FREE OF SCRATCHES, NICKS, SINK AREAS, VOIDS, OR OTHER BLEMISHES.
5. ALL MULTIPLE CAVITY MOLDS SHALL IDENTIFY EACH CAVITY WITH A NUMBER DESIGNATION LOCATED WHERE SHOWN.
6. ALL IDENTIFICATION MARKS SHALL NOT STAND GREATER THAN 0.05[.002] OFF THE SURFACE OF THE PART.
7. MOLD TO BE INSERTED TO ACCEPT DIFFERENT CABLE DIAMETERS.
8. ASSEMBLY TO BE 100% ELECTRICALLY TESTED TO CAT5E USING FLUKE DTX-1800 CABLE ANALYZER. AFTER FINAL ELECTRICAL TEST, LABEL EACH ASSEMBLY WITH 1 LABEL-ET.
9. ALL EJECTOR PIN AND GATE LOCATIONS MUST BE APPROVED BY SAMTEC PRODUCT ENGINEERING.
10. ANY ADDITIONAL VOIDING AND/OR MODIFICATIONS TO VOIDING MUST BE APPROVED BY SAMTEC PRODUCT ENGINEERING.
11. ALL DRAFT MUST BE WITHIN THE SPECIFIED TOLERANCES.
12. ALL INSIDE/OUTSIDE RADIUS 0.13 MAX UNLESS OTHERWISE STATED.
13. NOTE DELETED
14. TOLERANCE SHALL BE $\pm 2\%$ FOR ALL LENGTHS.
15. ASSEMBLY TO BE BULK PACKAGED.

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN MILLIMETERS.
TOLERANCES ARE:
DECIMALS ANGLES
X.X: ± 0.35 [.014]
X.XX: ± 0.25 [.010]
X.XXX: ± 0.15 [.006]

PROPRIETARY NOTE
THIS DOCUMENT CONTAINS INFORMATION
CONFIDENTIAL AND PROPRIETARY TO
SAMTEC, INC. AND SHALL NOT BE REPRODUCED
OR TRANSFERRED TO OTHER DOCUMENTS OR
DISCLOSED TO OTHERS OR USED FOR ANY
PURPOSE OTHER THAN THAT WHICH IT WAS
OBTAINED WITHOUT THE EXPRESSED WRITTEN
CONSENT OF SAMTEC, INC.



520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

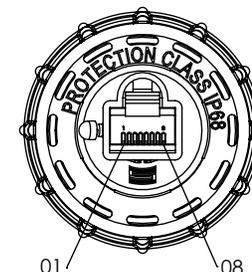
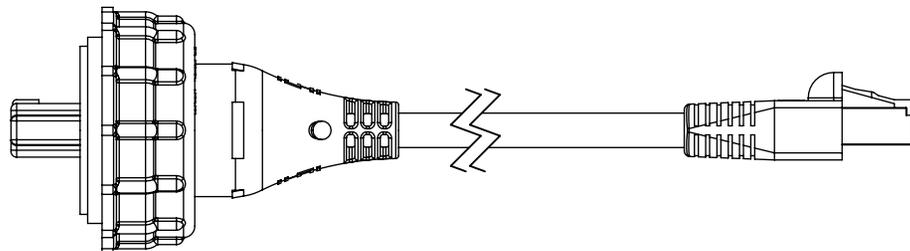
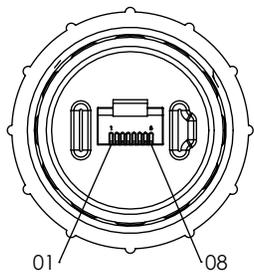
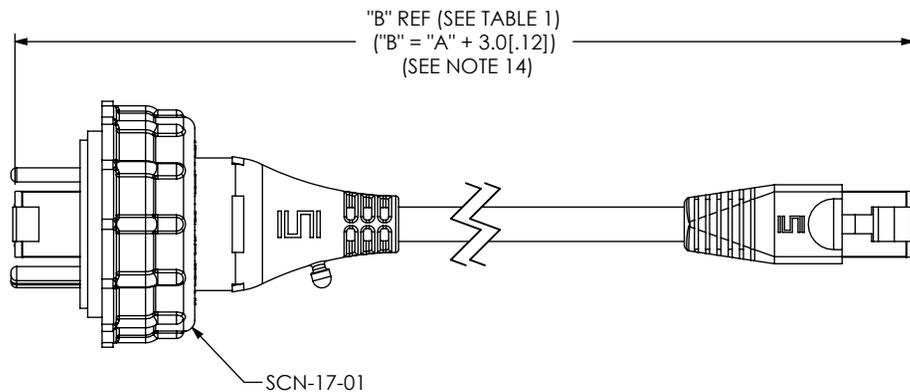
MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1:1.33333
INSULATOR: POLYCARBONATE
CONTACTS: PHOS BRONZE
SHELL: PHOS BRONZE
SHIELD: PHOS BRONZE
ETHERNET BOOT: PVC
CABLE NUT: PA66 GF30
PREMOLD: LDPE
OVERMOLD: PA66 GF13 FR; MAX REGRIND: 10% MAX GATE VESTIGE: .05[.002]
F:\DWG\MISC\MKTG\SCPE-X-XX.XX-XX-X-MKT.SLDRW

DESCRIPTION:
SEALED CIRCULAR CABLE PLUG, ETHERNET

DWG. NO. SCPE-X-XX.XX-XX-X

BY: CHAD F 12/11/2004 SHEET 1 OF 11

FIG. 2
 SCPE-G-XX.XX-3 SHOWN
 (SEE SHEET 7-8 FOR IN-PROCESS VIEWS)
 (SAME AS FIG. 1, UNLESS OTHERWISE STATED)



PROPRIETARY NOTE
 THIS DOCUMENT CONTAINS INFORMATION
 CONFIDENTIAL AND PROPRIETARY TO
 SAMTEC, INC. AND SHALL NOT BE REPRODUCED
 OR TRANSFERRED TO OTHER DOCUMENTS OR
 DISCLOSED TO OTHERS OR USED FOR ANY
 PURPOSE OTHER THAN THAT WHICH IT WAS
 OBTAINED WITHOUT THE EXPRESSED WRITTEN
 CONSENT OF SAMTEC, INC.

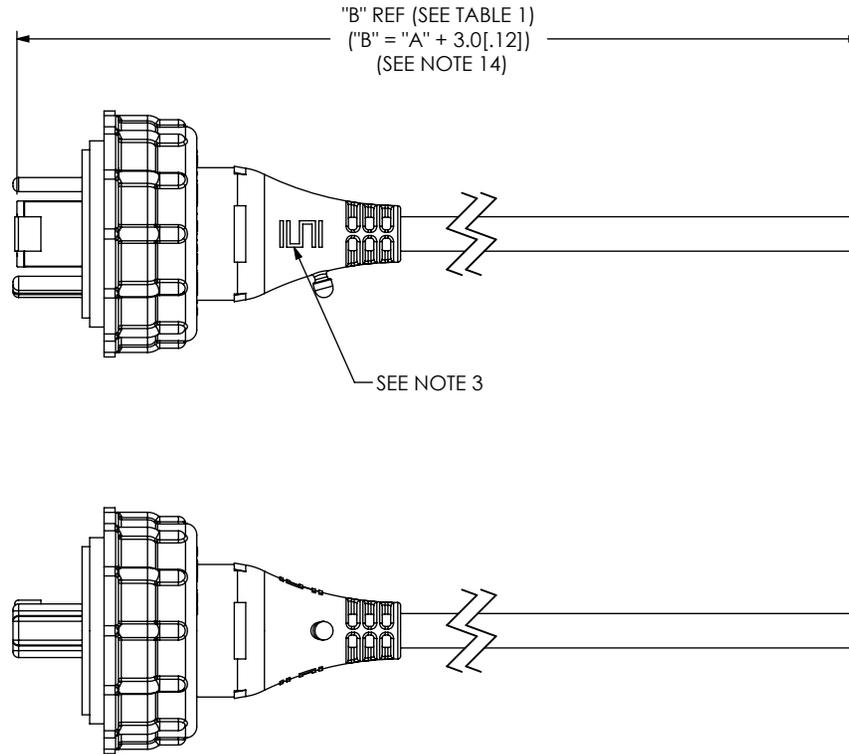
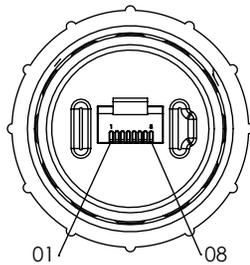
DO NOT SCALE DRAWING
 SHEET SCALE: 0.75:1

samtec
 520 PARK EAST BLVD, NEW ALBANY, IN 47150
 PHONE: 812-944-6733 FAX: 812-948-5047
 e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
 SEALED CIRCULAR CABLE PLUG, ETHERNET
 DWG. NO. **SCPE-X-XX.XX-XX-X**

BY: CHAD F 12/11/2004 SHEET 2 OF 11

FIG. 3
 SCPE-G-XX.XX-BC SHOWN
 (SEE SHEET 9-11 FOR IN-PROCESS VIEWS)
 (SAME AS FIG. 1, UNLESS OTHERWISE STATED)



PROPRIETARY NOTE
 THIS DOCUMENT CONTAINS INFORMATION
 CONFIDENTIAL AND PROPRIETARY TO
 SAMTEC, INC. AND SHALL NOT BE REPRODUCED
 OR TRANSFERRED TO OTHER DOCUMENTS OR
 DISCLOSED TO OTHERS OR USED FOR ANY
 PURPOSE OTHER THAN THAT WHICH IT WAS
 OBTAINED WITHOUT THE EXPRESSED WRITTEN
 CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING
 SHEET SCALE: 0.75:1

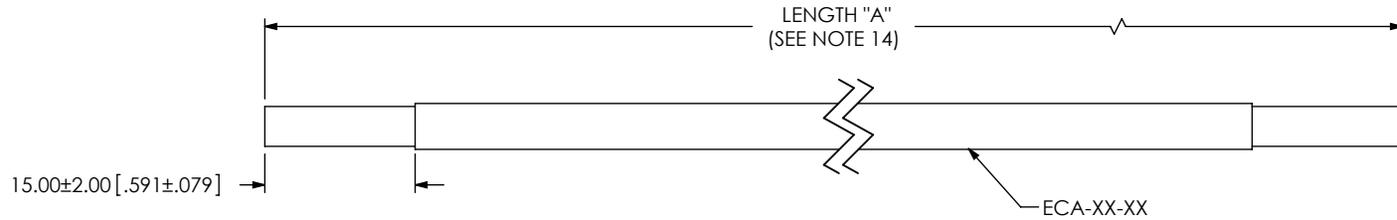
samtec
 520 PARK EAST BLVD, NEW ALBANY, IN 47150
 PHONE: 812-944-6733 FAX: 812-948-5047
 e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
 SEALED CIRCULAR CABLE PLUG, ETHERNET

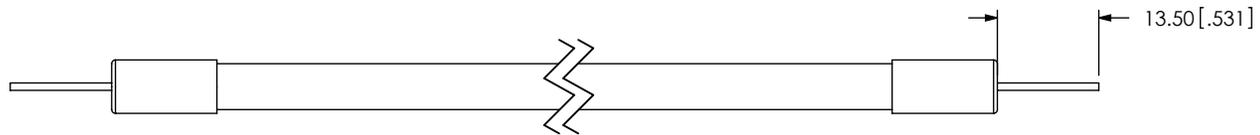
DWG. NO. SCPE-X-XX.XX-XX-X

BY: CHAD F 12/11/2004 SHEET 3 OF 11

-D IN-PROCESS 1
(CUT CABLE TO LENGTH AND STRIP OUTER JACKET)



-D IN-PROCESS 2
(FOLD SHIELD BACK OVER JACKET)



PROPRIETARY NOTE
THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC, INC. AND SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT WAS OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 1:5



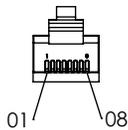
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
SEALED CIRCULAR CABLE PLUG, ETHERNET

DWG. NO. SCPE-X-XX.XX-XX-X

BY: CHAD F 12/11/2004 SHEET 4 OF 11

-D IN-PROCESS 3
TERMINATE FIRST END TO MODP-01-8P8C-X-XX



J1

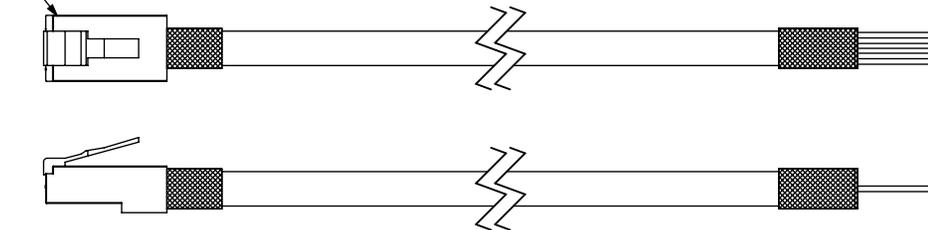


TABLE 2 - PIN-OUT		
J1 POS	COLOR	
01	WHITE/ORANGE	TWISTING
02	ORANGE	
03	WHITE/GREEN	TWISTING
04	BLUE	
05	WHITE/BLUE	TWISTING
06	GREEN	
07	WHITE/BROWN	TWISTING
08	BROWN	
SHELL	BRAID	

-D IN-PROCESS 4
TERMINATE SECOND END TO MODP-01-8P8C-X-XX
(SEE NOTE 8)

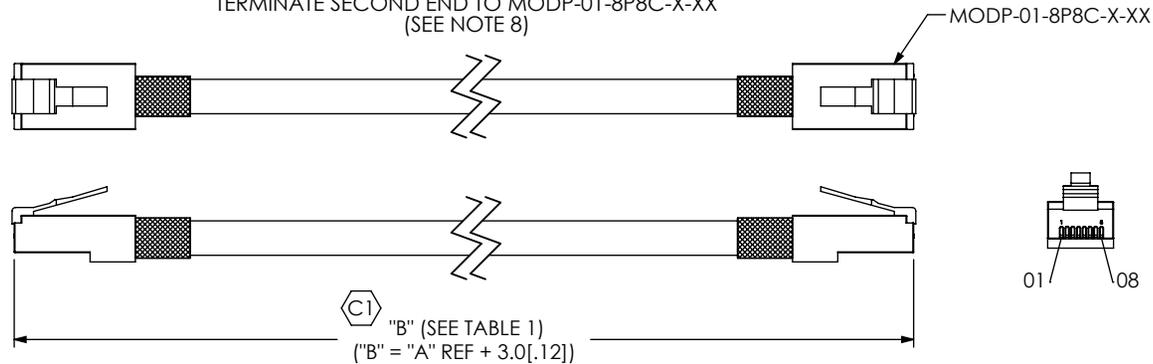
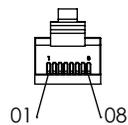


TABLE 3 - PIN-OUT			
J1 POS	COLOR	J2 POS	
01	WHITE/ORANGE	01	TWISTING
02	ORANGE	02	
03	WHITE/GREEN	03	TWISTING
04	BLUE	04	
05	WHITE/BLUE	05	TWISTING
06	GREEN	06	
07	WHITE/BROWN	07	TWISTING
08	BROWN	08	
SHELL	BRAID	SHELL	

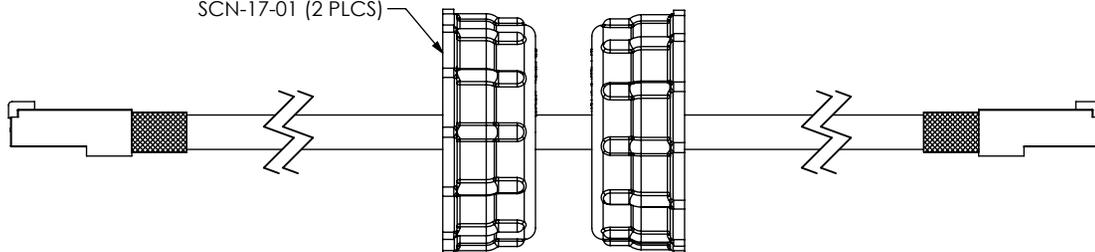
-D IN-PROCESS 5
REMOVE LATCH ARMS

BREAK LATCH ARM FREE (2 PLCS)



-D IN-PROCESS 6
ADD SCN-17-01

SCN-17-01 (2 PLCS)



PROPRIETARY NOTE
THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC, INC. AND SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT WAS OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 0.75:1



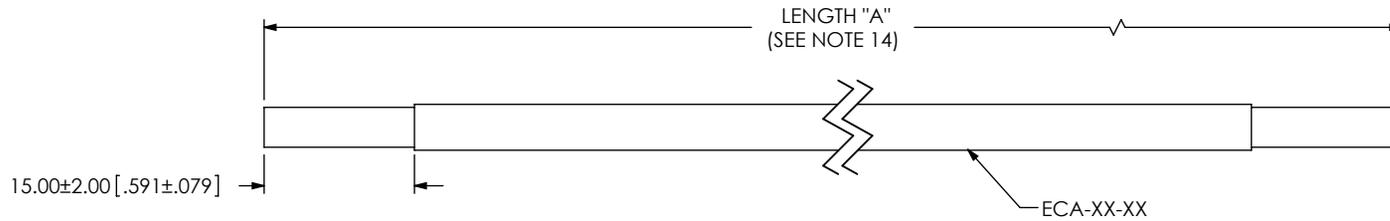
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
SEALED CIRCULAR CABLE PLUG, ETHERNET

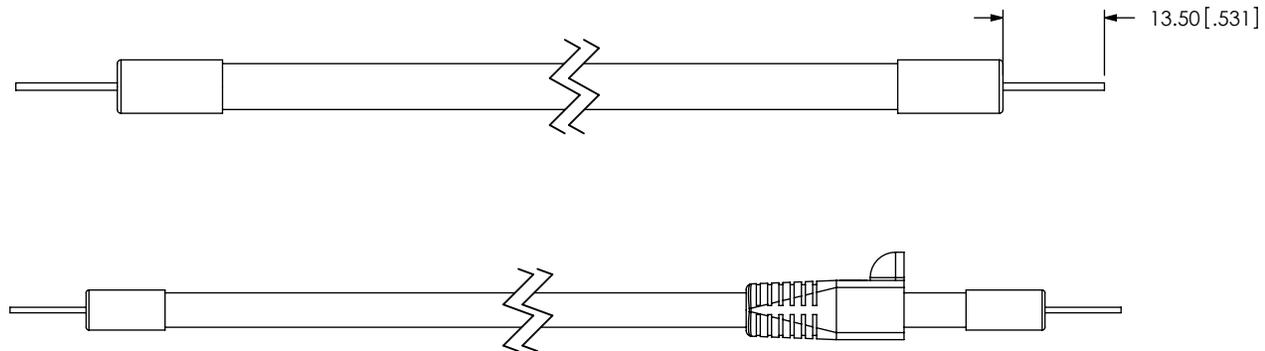
DWG. NO. **SCPE-X-XX.XX-XX-X**

BY: CHAD F 12/11/2004 SHEET 5 OF 11

-S IN-PROCESS 1
(CUT CABLE TO LENGTH AND STRIP OUTER JACKET)



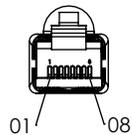
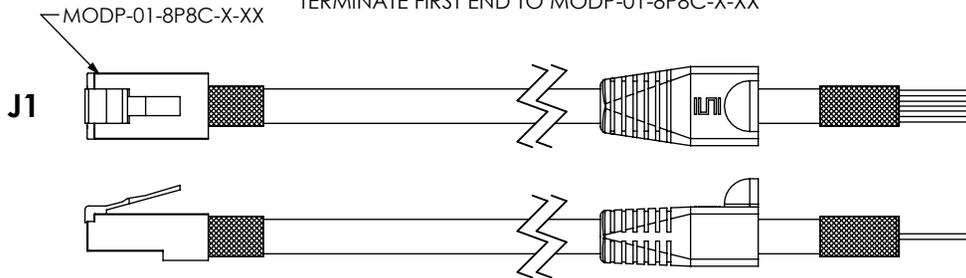
-S IN-PROCESS 2
(FOLD SHIELD BACK OVER JACKET AND ASSEMBLE BOOT)



<p>PROPRIETARY NOTE THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC, INC. AND SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT WAS OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.</p> <p>DO NOT SCALE DRAWING</p> <p>SHEET SCALE: 0.75:1</p>		
	<p>520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail: info@SAMTEC.com code: 55322</p>	
	<p>DESCRIPTION: SEALED CIRCULAR CABLE PLUG, ETHERNET</p>	
	<p>DWG. NO. SCPE-X-XX.XX-XX-X</p>	
<p>BY: CHAD F 12/11/2004</p>		<p>SHEET 7 OF 11</p>

-S IN-PROCESS 3

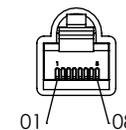
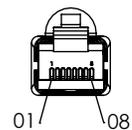
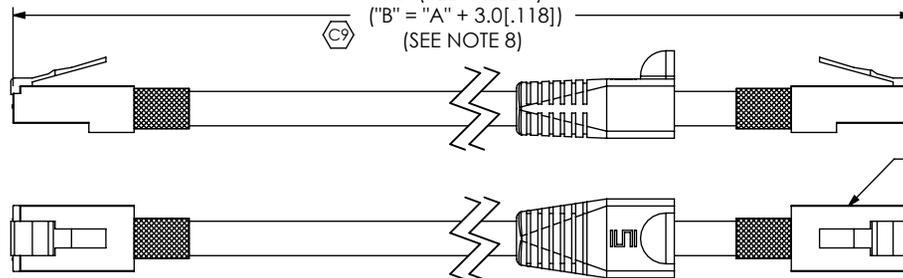
TERMINATE FIRST END TO MODP-01-8P8C-X-XX



-S IN-PROCESS 4

TERMINATE SECOND END TO MODP-8P8C-X-XX

"B" (SEE TABLE 1)
("B" = "A" + 3.0[.118])
(SEE NOTE 8)



-S IN-PROCESS 5

ASSEMBLE BOOT TO MODP-8P8C-X-XX



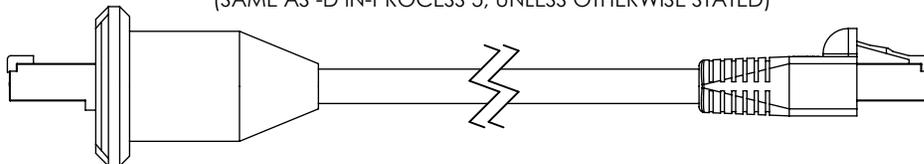
-S IN-PROCESS 6

REMOVE LATCH ARM



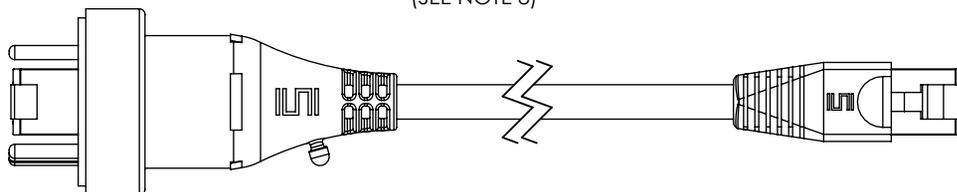
-S IN-PROCESS 7
PREMOLDING

(SAME AS -D IN-PROCESS 5, UNLESS OTHERWISE STATED)



-S IN-PROCESS 8
OVERMOLDING

(SAME AS -D IN-PROCESS 6, UNLESS OTHERWISE STATED)
(SEE NOTE 8)



PROPRIETARY NOTE

THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC, INC. AND SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT WAS OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 0.75:1



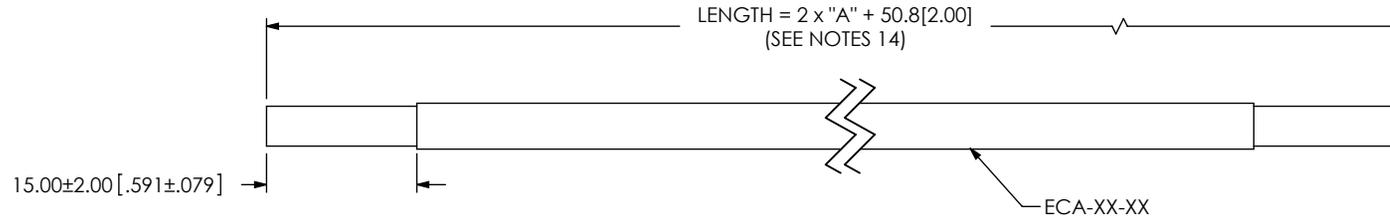
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
SEALED CIRCULAR CABLE PLUG, ETHERNET

DWG. NO. **SCPE-X-XX.XX-XX-X**

BY: CHAD F 12/11/2004 SHEET 8 OF 11

-BC IN-PROCESS 1
(CUT CABLE TO LENGTH AND STRIP OUTER JACKET)



-BC IN-PROCESS 2
(FOLD SHIELD BACK OVER JACKET)



PROPRIETARY NOTE
THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC, INC. AND SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT WAS OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING
SHEET SCALE: 1:1.33333



520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

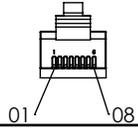
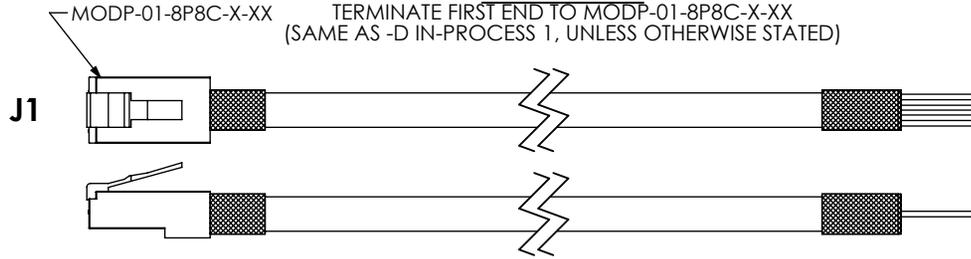
DESCRIPTION:
SEALED CIRCULAR CABLE PLUG, ETHERNET

DWG. NO. SCPE-X-XX.XX-XX-X

BY: CHAD F 12/11/2004 SHEET 9 OF 11

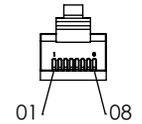
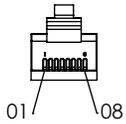
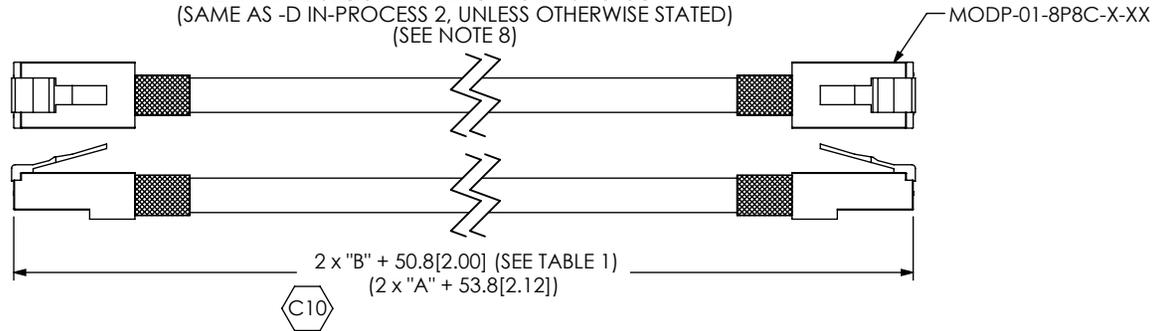
-BC: BLUNT CUT
IN-PROCESS 3

TERMINATE FIRST END TO MODP-01-8P8C-X-XX
(SAME AS -D IN-PROCESS 1, UNLESS OTHERWISE STATED)



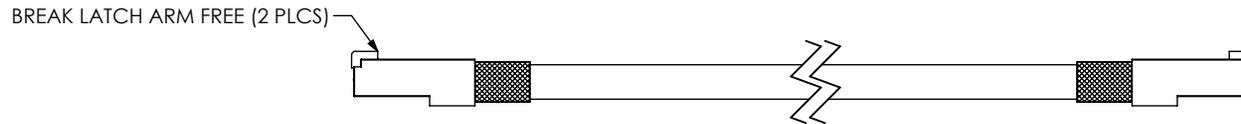
-BC: BLUNT CUT
IN-PROCESS 4

TERMINATE SECOND END TO MODP-01-8P8C-X-XX
(SAME AS -D IN-PROCESS 2, UNLESS OTHERWISE STATED)
(SEE NOTE 8)



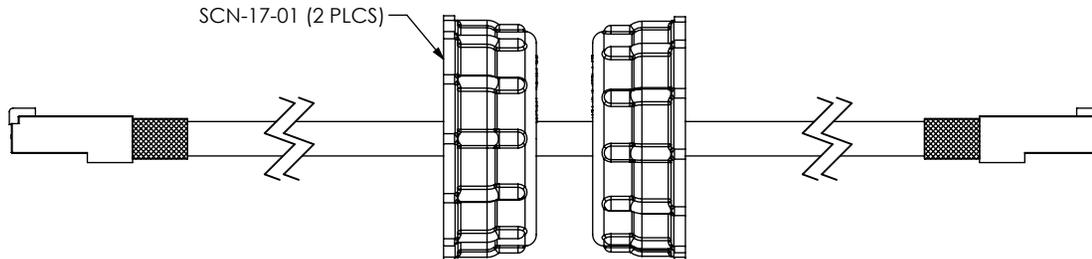
-BC: BLUNT CUT
IN-PROCESS 5

REMOVE LATCH ARMS
(SAME AS -D IN-PROCESS 3, UNLESS OTHERWISE STATED)



-BC: BLUNT CUT
IN-PROCESS 6
ADD SCN-17-01

(SAME AS -D IN-PROCESS 4, UNLESS OTHERWISE STATED)



PROPRIETARY NOTE

THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC, INC. AND SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT WAS OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 1:1.33333



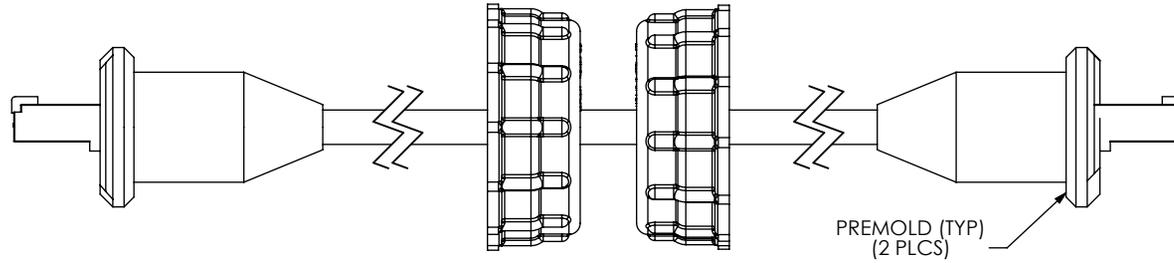
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
SEALED CIRCULAR CABLE PLUG, ETHERNET

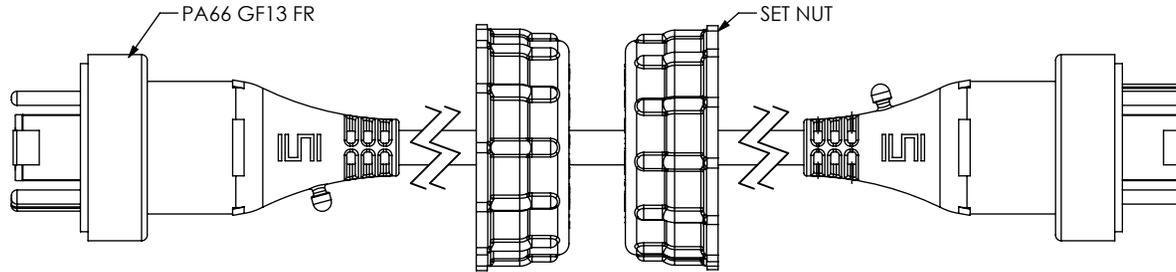
DWG. NO. SCPE-X-XX.XX-XX-X

BY: CHAD F 12/11/2004 SHEET 10 OF 11

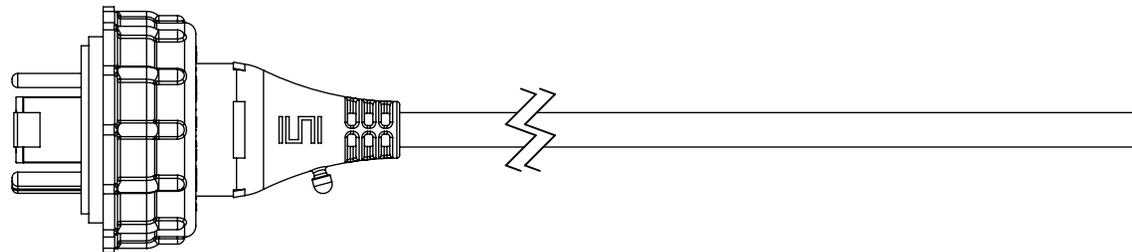
-BC: BLUNT CUT
IN-PROCESS 7
 PRE-MOLDING
 (SAME AS -D IN-PROCESS 5, UNLESS OTHERWISE STATED)



-BC: BLUNT CUT
IN-PROCESS 8
 OVERMOLDING
 (SAME AS -D IN-PROCESS 6, UNLESS OTHERWISE STATED)
 (SEE NOTE 8)



-BC: BLUNT CUT
IN-PROCESS 9
 (CUT CABLE IN HALF AND TRIM TO LENGTH)



PROPRIETARY NOTE
 THIS DOCUMENT CONTAINS INFORMATION
 CONFIDENTIAL AND PROPRIETARY TO
 SAMTEC, INC. AND SHALL NOT BE REPRODUCED
 OR TRANSFERRED TO OTHER DOCUMENTS OR
 DISCLOSED TO OTHERS OR USED FOR ANY
 PURPOSE OTHER THAN THAT WHICH IT WAS
 OBTAINED WITHOUT THE EXPRESSED WRITTEN
 CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 1:1.33333

samtec

520 PARK EAST BLVD, NEW ALBANY, IN 47150
 PHONE: 812-944-6733 FAX: 812-948-5047
 e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
 SEALED CIRCULAR CABLE PLUG, ETHERNET

DWG. NO. **SCPE-X-XX.XX-XX-X**

BY: CHAD F 12/11/2004 SHEET 11 OF 11