DO NOT

THIS PRINT

CALE FROM

ITEM NO

2

3

4

5

6

THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

SCPE-G-XX XX-D BOM

QTY

XX XX

2

2

1

1

DESCRIPTION

CABLE

CONNECTOR

CABLE NUT

PREMOLD

OVERMOLD

LABEL ET

PART NUMBER

ECA-02-02

MODP-01-8P8C-X-XX

SCN-17-01

MD-PTC-RF-640-BK

MD-NYL-ZY-70G13-BK

LABEL-ET

DESIGNED & DIMENSIONED IN MILLIMETERS[INCHES]

SCPE-X-XX.XX-XX-XX

PLATING SPECIFICATION -G: 50µ" GOLD ON CONTACT AREAS NICKEL ON SHELLS

LENGTH -XX.XX (IN METERS) (FOR LENGTHS 05.00 METERS AND GREATER, -O OPTION IS REQUIRED)

POLARIZATION OPTION -NP: NO POLARIZATION (ONLY MATES WITH SCRES-X-XX.XX-XX-C5E) (SEE FIGS 4 & 5, SHT 2)

OUTDOOR OPTION -O: OUTDOOR RATED

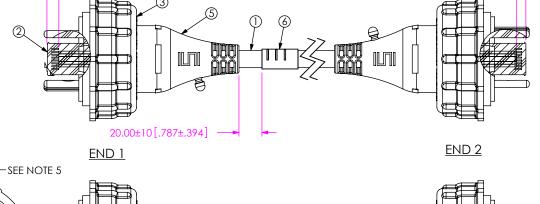
END OPTION -D: DOUBLE ENDED (BOTH ENDS SEALED) SEE FIG 1, SHT 1) -S: SINGLE ENDED (ONE END SEALED) (SEE FIG 2, SHT 2)

-BC: BLUNT CUT

(ONE END SEALED) (SEE FIG 3, SHT 3)

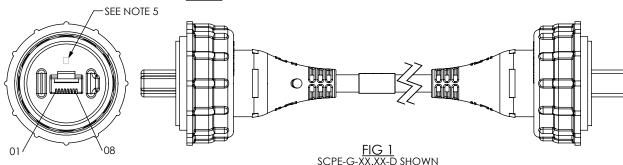
NOTE:

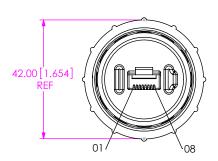
-02.00, -03.00, AND -05.00 ARE CATALOG STANDARD LENGTHS. FOR OTHER LENGTHS (0.25M[9.84] MIN - 5.00M[196.85] MAX) CONTACT SAMTEC.



ASSEMBLED LENGTH: XX.XX + 1.3 [.05] REF

LENGTH: XX.XX ±2%





REPRESENTS A CRITICAL DIMENSION.

2. NOTE DELETED.

NOTES:

3. SAMTEC LOGO TO APPEAR ON SURFACE AS SHOWN, APPROXIMATELY 4.50[.177] x 7.50[.295], RAISED 0.25[.010].

NOTE DELETED.

5. ALL MUTIPLE 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

(C)8. ASSEMBLY TO BE 100% ELECTRICALLY TESTED TO CATSE 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 RADII 0.13 MAX UNLESS OTHERWISE STATED.

13. NOTE DELETED

14. NOTE DELETED

 ASSEMBLY WITH LENGTH GREATER THAN 1 METER TO BE BULK PACKAGED WITH ASBBLT4X5.5. ASSEMBLY WITH LENGTH LESS THAN 1 METER TO BE COILED AND PLACED IN ONE ASBBLT14X9.5.

16. CABLE NUT TORQUE SPEC: 12 IN-LBS.

17. NOTE DELETED.

18. MAXIMUM REGRIND ON OVERMOLD: 10%.

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]

THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN. MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC. INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART TO ANY LINALITHORIZED DERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.

PROPRIETARY NOTE

DO NOT SCALE DRAWING

CABLE: PVC, COPPER CONNECTOR: POLYCARBONATE, PHOS BRONZE CABLE NUT, OVERMOLD: PA66
PREMOLD: PTC
LABEL ET: POLYESTER

ETHERNET BOOT: PVC

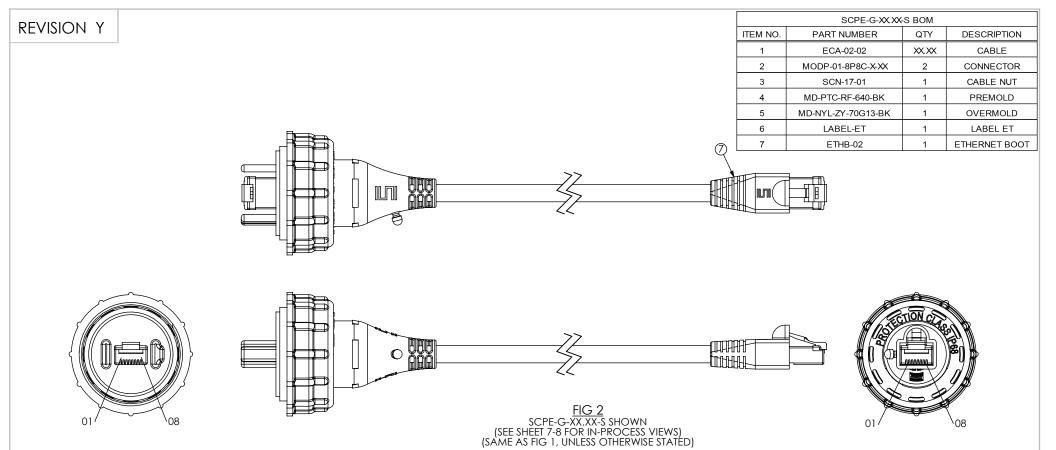
SHEET SCALE: 1:1.33333

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

SEALED CIRCULAR CABLE PLUG, ETHERNET

SCPE-X-XX.XX-XX-XX

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



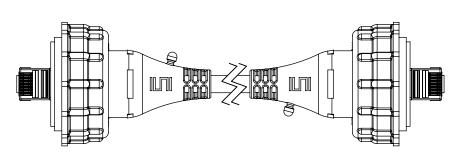


FIG 4 SCPE-G-XX.XX-D-NP SHOWN (SAME AS FIG 1, UNLESS OTHERWISE STATED)

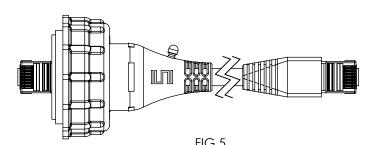


FIG 5 SCPE-G-XX.XX-S-NP SHOWN (SAME AS FIG 2, UNLESS OTHERWISE STATED)

PROPRIETARY NOTE

THIS DOCUMENT CONTRING CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN. MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE DORRESSY MISSISVED BY SAMPLE, INC. THIS DOCUMENT SHALL HOT BE DECISION, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOW REPRODUCED, TRANSFERRED ON INCOMPORTION OF MATTY OF THE PROJECT IN ANY MANURE WITHOUT THE EXPRESS WRITTER CONSISTENT OF SAMPLE, 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:

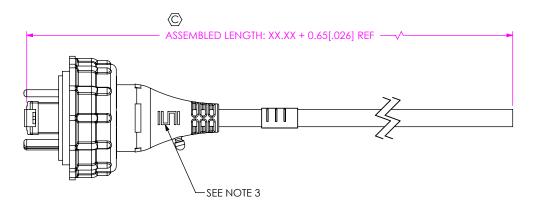
SEALED CIRCULAR CABLE PLUG, ETHERNET

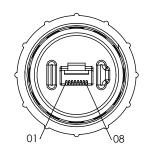
DWG NO

SCPE-X-XX.XX-XX-XX

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







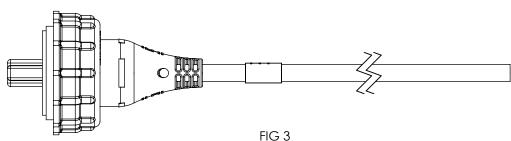


FIG 3
SCPE-G-XX.XX-BC SHOWN
(SEE SHEET 9-11 FOR IN-PROCESS VIEWS)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

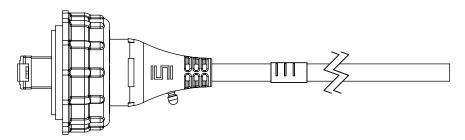


FIG 6 SCPE-G-XX.XX-BC-NP (SAME AS FIG 3, UNLESS OTHERWISE STATED)

PROPRIETARY NOTE

THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETERY HYDORAMTON HON ALL DESCON, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSY RESERVED BY SAMFLE, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR HOORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTER CONSENT OF SAMFLE, IN

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

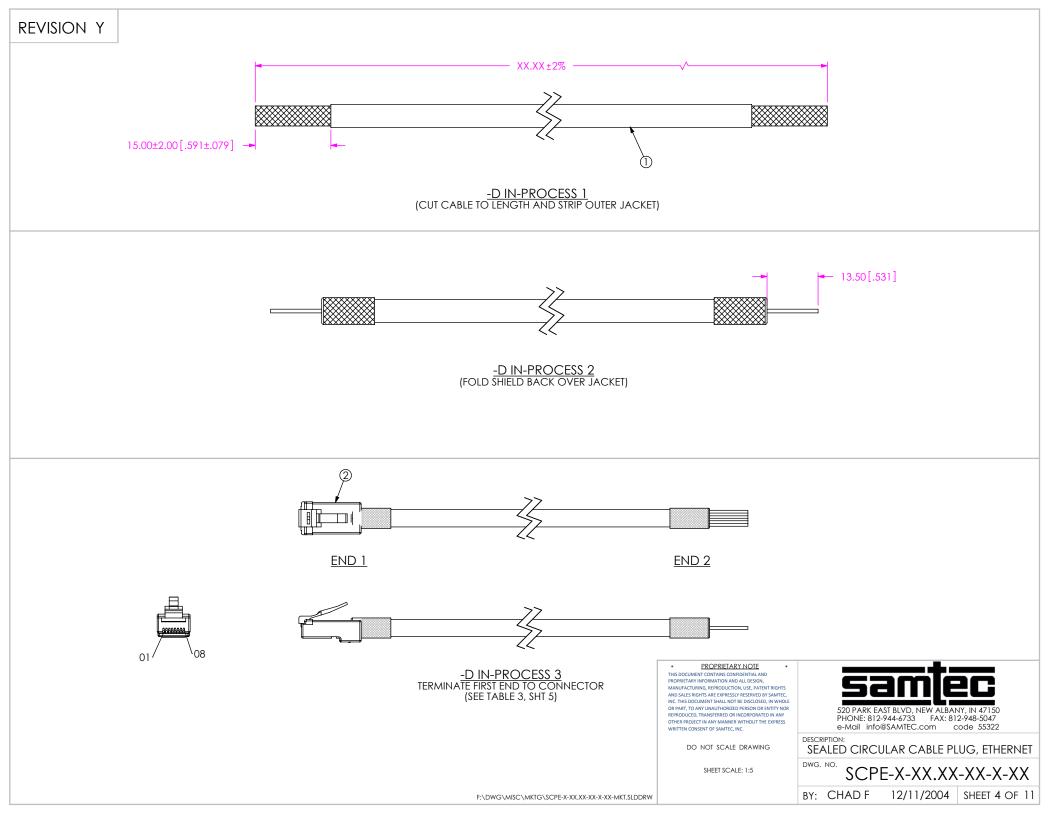
DESCRIPTION:

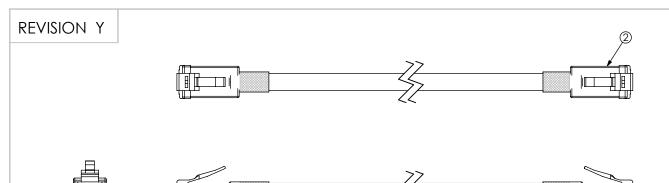
SEALED CIRCULAR CABLE PLUG, ETHERNET

DWG NO

SCPE-X-XX.XX-XX-XX

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





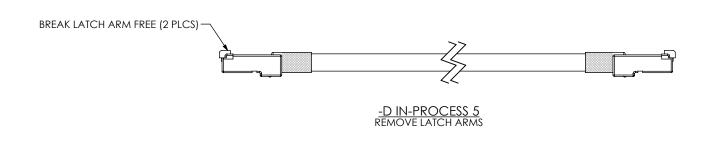
 $\langle C \rangle$

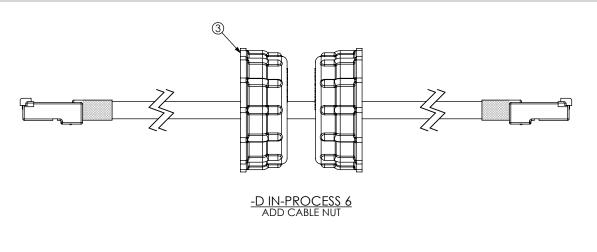
TABLE 3 - PIN-OUT			
END 1 POS	COLOR	END 2 POS	
01	WHITE/ORANGE	01	TWISTING
02	ORANGE	02	
03	WHITE/GREEN	03	TWISTING
04	BLUE	04	
05	WHITE/BLUE	05	TWISTING
06	GREEN	06	
07	WHITE/BROWN	07	TWISTING
08	BROWN	08	
SHELL	BRAID	SHELL	



-D IN-PROCESS 4
TERMINATE SECOND END TO CONNECTOR
(SEE NOTE 8)

ASSEMBLED LENGTH: XX.XX + 1.3[.05] REF





PROPRIETARY NOTE

THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMITE, INC. THIS DOCUMENT SHALL NOT BEDICLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATE IN THE VIOLENCE OF SAMIT, OR ANY UNITED AND SAME SHAPE OF SAMITES, ON SECOND OF SAMITES, ON SAMITES AND OF SAMITES, ON SAMITES AND S

DO NOT SCALE DRAWING

SHEET SCALE: 0.75:1



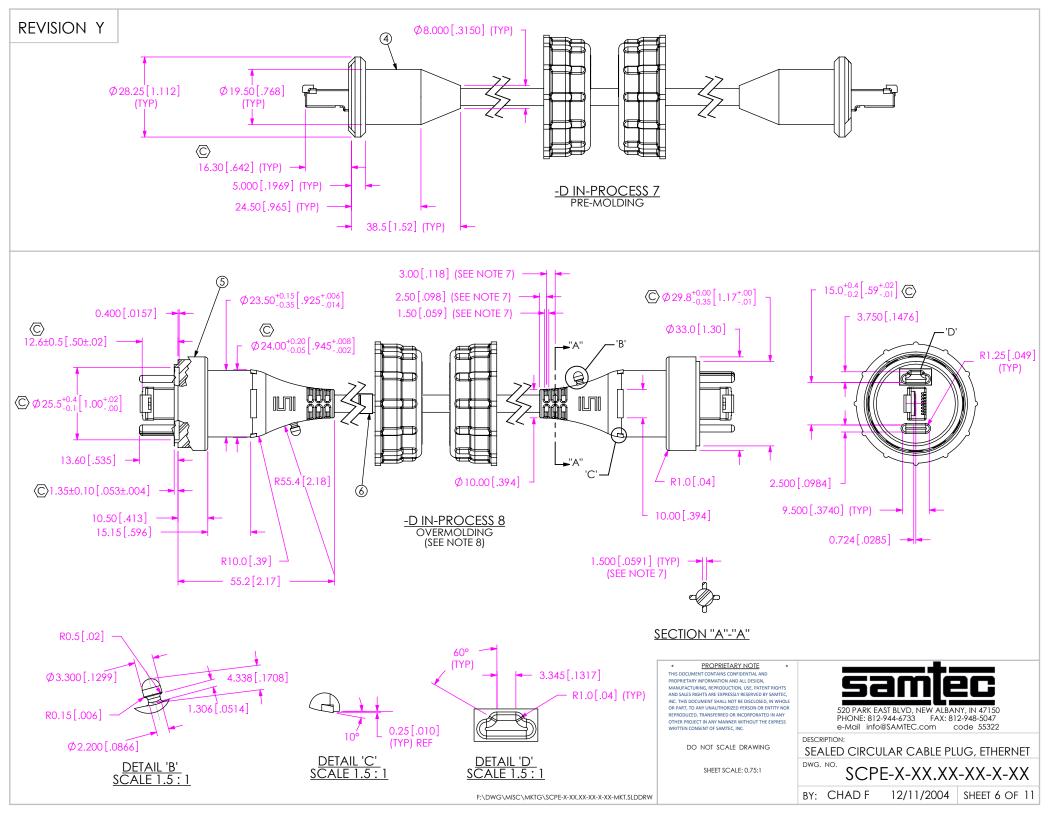
520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com code 55322

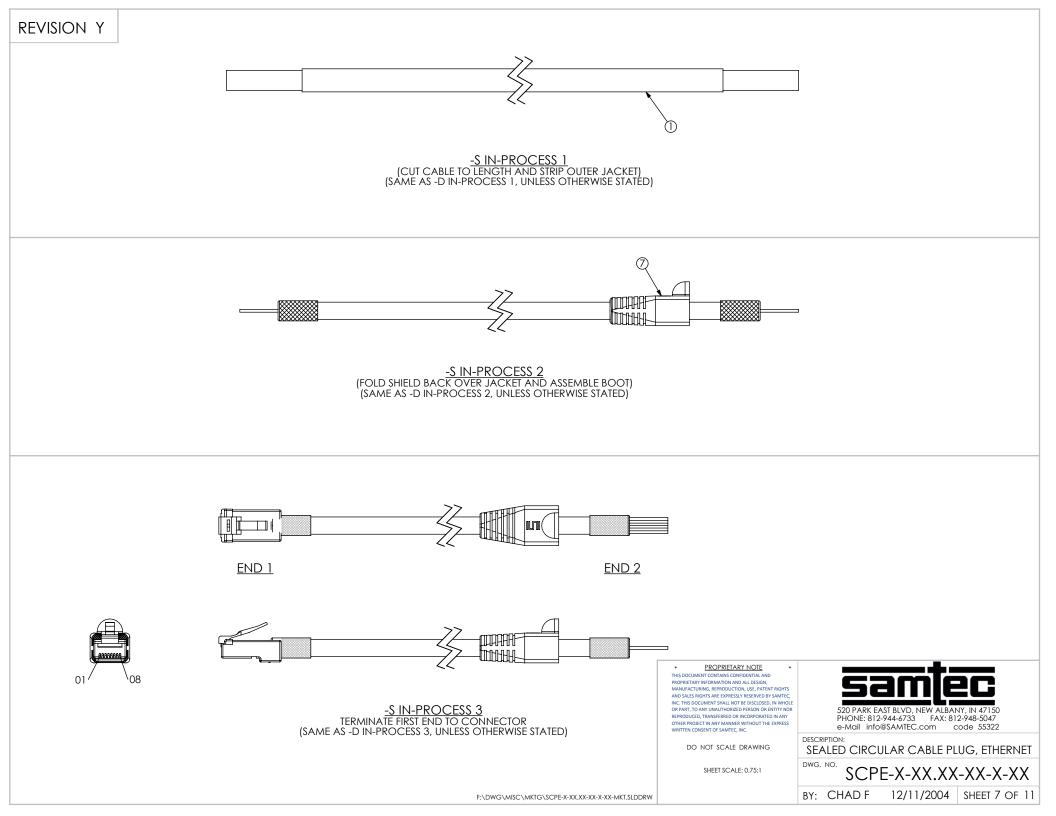
DESCRIPTION:

SEALED CIRCULAR CABLE PLUG, ETHERNET

SCPE-X-XX,XX-XX-XX

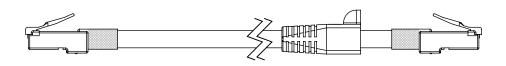
BY: CHAD F 12/11/2004 SHEET 5 OF 11



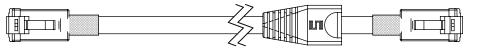




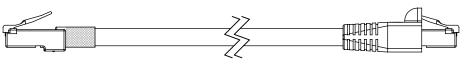








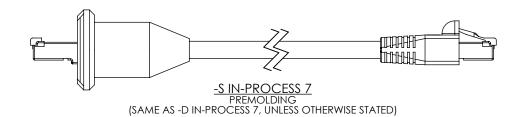
-S IN-PROCESS 4
TERMINATE SECOND END TO CONNECTOR
(SAME AS -D IN-PROCESS 4, UNLESS OTHERWISE STATED)



-S IN-PROCESS 5 ASSEMBLE BOOT TO CONNECTOR



-S IN-PROCESS 6 REMOVE LATCH ARM (SAME AS -D IN-PROCESS 5, UNLESS OTHERWISE STATED)



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

REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS DO NOT SCALE DRAWING

WRITTEN CONSENT OF SAMTEC, INC.

PROPRIETARY NOTE THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED. IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR

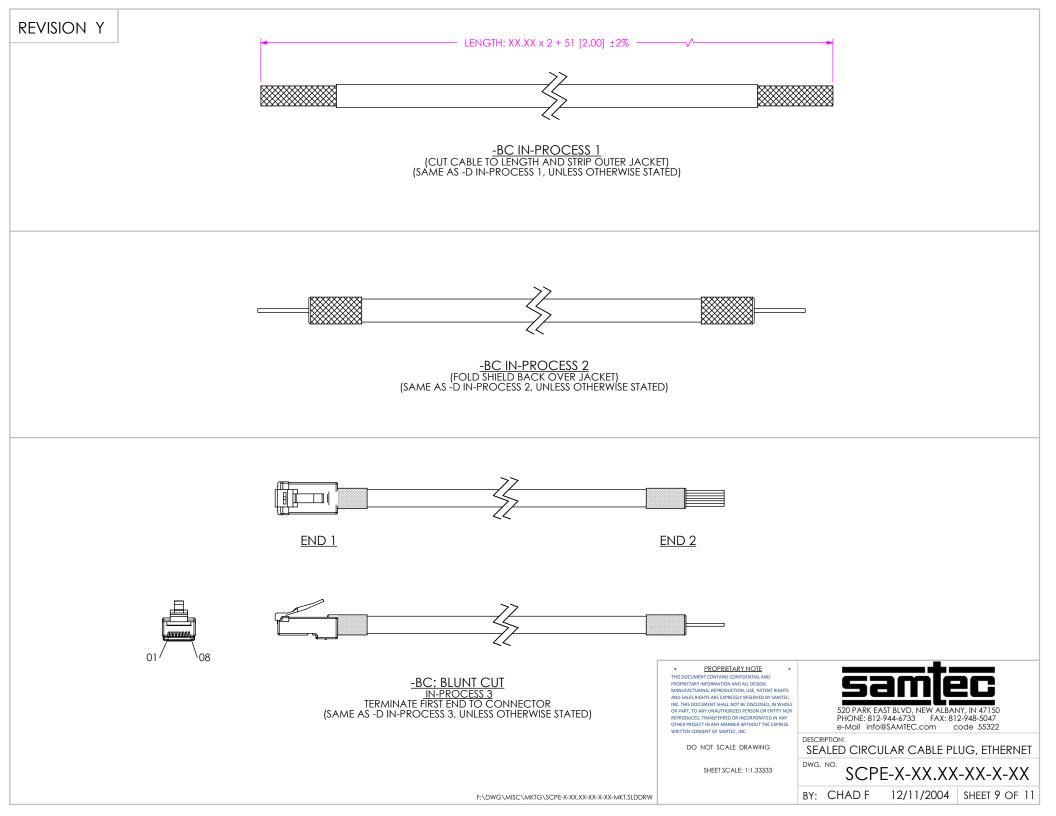
SHEET SCALE: 0.75:1



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

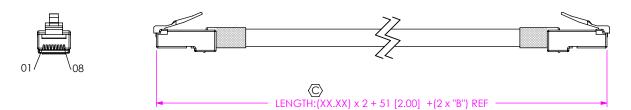
SEALED CIRCULAR CABLE PLUG, ETHERNET SCPE-X-XX.XX-XX-XX

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









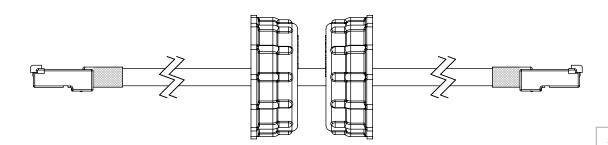


-BC: BLUNT CUT IN-PROCESS 4

TERMINATE SECOND END TO CONNECTOR (SAME AS -D IN-PROCESS 4, UNLESS OTHERWISE STATED) (SEE NOTE 8)



-BC: BLUNT CUT
IN-PROCESS 5
REMOVE LATCH ARMS
(SAME AS -D IN-PROCESS 5, UNLESS OTHERWISE STATED)



-BC: BLUNT CUT
IN-PROCESS 6
ADD CABLE NUT
(SAME AS -D IN-PROCESS 6, UNLESS OTHERWISE STATED)

PROPRIETARY NOTE

THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATTENT RIGHTS AND SALES RIGHTS ARE DEPRESSLY RESERVED STAMEZ, INC. THIS DOCUMENT SHALL ROT BE DECLOSED, IN WHOLE OF PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED ON INCOMPORTATION ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS 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

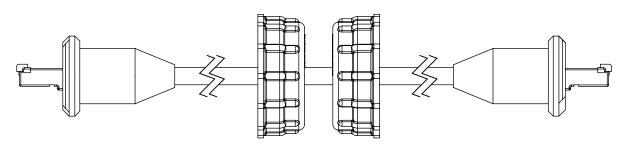
DESCRIPTIO

SEALED CIRCULAR CABLE PLUG, ETHERNET

SCPE-X-XX.XX-XX-XX

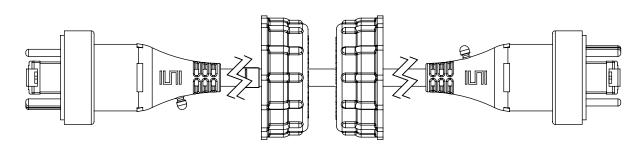
BY: CHAD F 12/11/2004 SHEET 10 OF 11



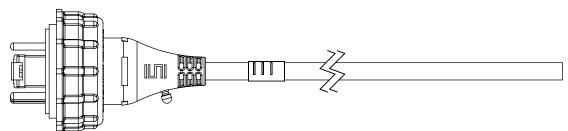


-BC: BLUNT CUT IN-PROCESS 7

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



-BC: BLUNT CUT IN-PROCESS 8 OVERMOLDING (SAME AS -D IN-PROCESS 8, 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 CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED. IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS 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

SEALED CIRCULAR CABLE PLUG, ETHERNET

SCPE-X-XX.XX-XX-XX

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