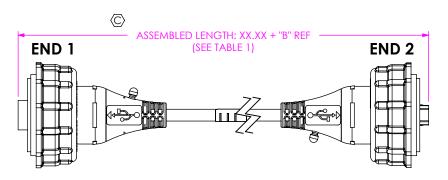
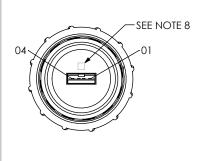


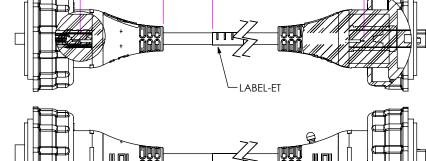
### **DESIGNED & DIMENSIONED** IN MILLIMETERS[INCHES]

DO NOT SCALE FROM THIS PRINT



LENGTH: XX.XX ± 2%





#### NOTES:

- 1. © REPRESENTS A CRITICAL DIMENSION.
- 2. NOTE DELETED.
- 3. SURFACE TO BE RECESSED 0.22[.009]
- 4. USB LOGO TO BE RAISED 0.25[.010]. USB LOGO TO BE PRINTED IN WHITE. 5. USB LOGO'S TO BE ALIGNED TO USB CONNECTORS AS SHOWN.
- 6. SAMTEC LOGO TO APPEAR ON SURFACE AS SHOWN, APPROXIMATELY 4.50[.177] x 7.50[.295], RAISED 0.25[.010].
- 8. ALL MUTIPLE CAVITY MOLDS SHALL IDENTIFY EACH CAVITY WITH A NUMBER DESIGNATION LOCATED WHERE SHOWN.
  9. ALL IDENTIFICATION MARKS MUST NOT STAND GREATER THAN 0.051 [.002] OFF THE SURFACE OF THE PART.

SEE NOTE 6 (2 PLCS)

- 10. MOLD TO BE INSERTED TO ACCEPT DIFFERENT CABLE DIAMETERS.

  (C) 11. ASSEMBLY TO BE 100% TESTED FOR OPENS AND SHORTS, HI-POT TESTED AT 200V BEFORE PREMOLD AND AFTER FINAL ASSEMBLY IS COMPLETE. AFTER FINAL ELECTRICAL TEST, LABEL EACH ASSEMBLY WITH 1 LABEL-ET.
- © 12. ALL EJECTOR PIN AND GATE LOCATIONS MUST BE APPROVED BY SAMTEC PRODUCT ENGINEERING.
  - 13. ANY ADDITIONAL VOIDING AND/OR MODIFICATIONS TO VOIDING

  - MUST BE APPROVED BY SAMTEC PRODUCT ENGINEERING.

    14. ALL DRAFT MUST BE WITHIN THE SPECIFIED TOLERANCES.
  - 15. ALL INSIDE/OUTSIDE RADII 0.13 MAX UNLESS OTHERWISE STATED.
  - 16. NOTE DELETED.
  - 17. NOTE DELETED
  - 18. ASSEMBLY TO BE SHIPPED IN BULK PACKAGING.
  - 19. THIS IS A COMPONENT OF USBP-A-01-G-B-01 (CALLED OUT ON THE BOM),
  - BUT LABELLED INDIVIDUALLY FOR ASSEMBLY PURPOSES.

    20. THIS IS A COMPONENT OF USBP-B-01-G-B-01 (CALLED OUT ON THE BOM), BUT LABELLED INDIVIDUALLY FOR ASSEMBLY PURPOSES.
  - 21. TORQUE SPECIFICATION FOR SCN-17-01 IS 12 IN-LBS
  - 22. LENGTHS GREATER THAN 05.00 ARE NOT SUPPORTED BY USB 2.0 TEST DATA.
  - 23. NOTE DELETED.

-G: .000030" GOLD ON CONTACT AREAS NICKEL ON SHELLS

**PLATING** 

**LENGTH** 

-XX.XX (SEE TABLE 1) (00.25M [9.842] MIN -50.00M [1968.504] MAX) (SEE NOTE 22)

SCPU-17-X-XX.XX-XXX-XXX

#### **END 1 OPTIONS**

-AMS: SEALED USB A (USB A END SEALED ONLY) -BMS: SEALED USB B (USB B END SEALED ONLY)

### **END 2 OPTIONS**

- -AMS: SEALED USB A (USB A END SEALED ONLY) (SEE SHEETS 1-3 & 11)
- -BMS: SEALED USB B (USB B END SEALED ONLY)
- SEE SHEETS 1-3 & 11) -am: usb a not sealed
- (USB A END NOT SEALED ONLY) SEE SHEET 2)
- -BM: USB B NOT SEALED (USB B END NOT SEALED ONLY)
- (SEE SHEET 2) -BC: BLUNT CUT (SEE SHEET3)
- -MB: MINI USB B'NOT SEALED (MINI USB B END NOT SEALED ONLY) (SEE SHEET 11)

### NOTE:

-02.00, -03.00, AND -05.00 ARE CATALOG STANDARD LENGTHS. FOR OTHER LENGTHS (0.17M[6.69] MIN - 50.00M[1968.50] MAX) CONTACT SAMTEC.

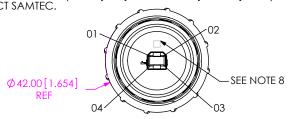


TABLE 1								
PART NUMBER	END 2	"B"						
	AMS	36.5 [1.45]						
	BMS	36.5 [1.45]						
SCPU-17-XX XX-AMS-	AM	36.5 [1.45]						
	BM	36.5 [1.45]						
	MB	36.5 [1.45]						
	ВС	18.25 [.718]						
	AMS	36.5 [1.45]						
	BMS	36.5 [1.45]						
SCPU-17-XX XX-BMS-	AM	36.5 [1.45]						
	BM	36.5 [1.45]						
	MB	36.5 [1.45]						
	BC	18.25 [.718]						

### UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS.

TOLERANCES ARE: ANGLES **DECIMALS** 0.X: ±0.35 [.014] 0.XX: ±0.25 [.010] 0.XXX: ±0.15 [.006]

CONTACTS: COPPER ALLOY SHIELDS: CRS. CABLE NUT: PA66 SEALED PREMOLD: RITEFLEX 640A

NON-SEALED PREMOLD: N/A

INSULATOR: GLASS FILLED THERMOPLASTIC

SEALED OVERMOLD: PA66 GF13 FR/ SHOT WEIGHT 12.71 g [.0280 lb] NON SEALED OVERMOLD: PVC/ SHOT WEIGHT: 9.07 g [.0200 lb]

F:\DWG\MISC\MKTG\SCPU-17-X-XX,XX-XXX-XXX-MKT,SLDDRW

FIG 1

SCPU-17-G-XX.XX-AMS-BMS SHOWN

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SHEET SCALE: 0.65:1

PROPRIETARY NOTE

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SEALED CIRCULAR CABLE PLUG, USB

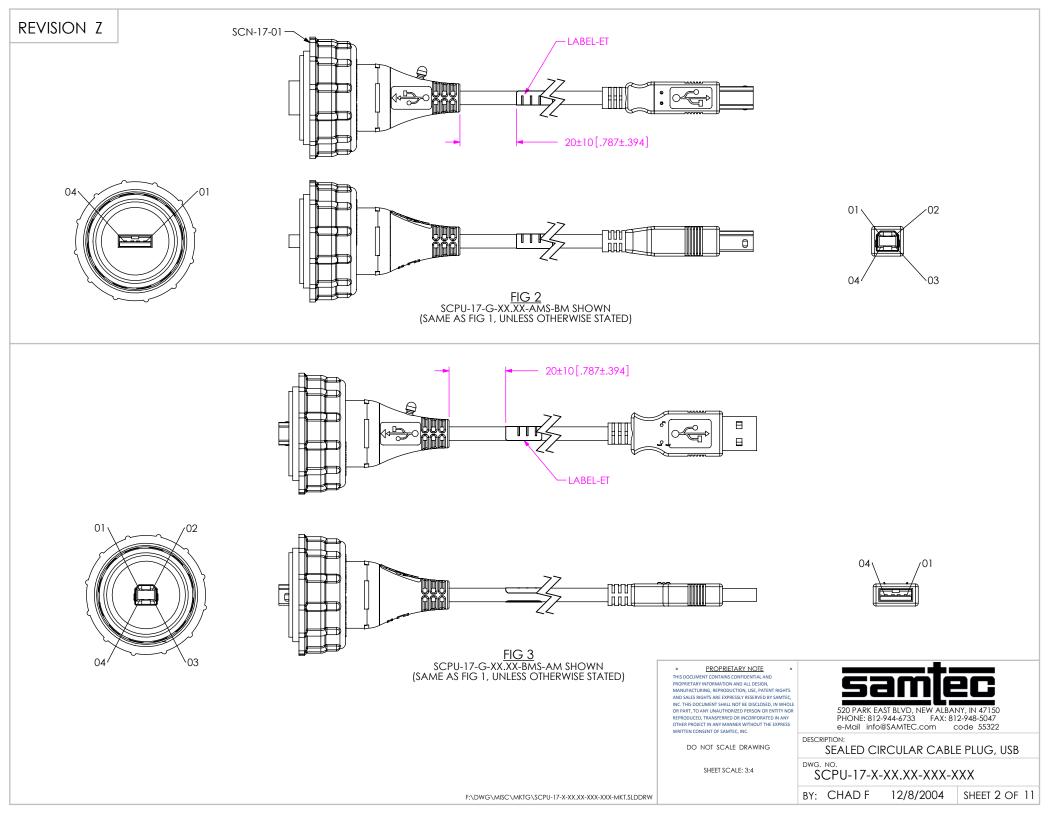
DWG. NO

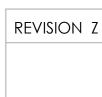
SCPU-17-X-XX.XX-XXX-XXX

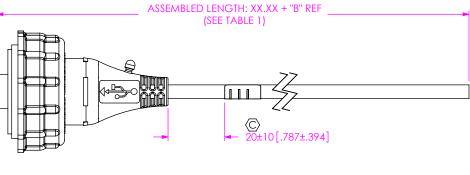
BY: CHAD F

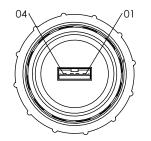
12/8/2004

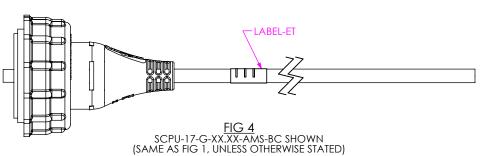
SHEET 1 OF 11

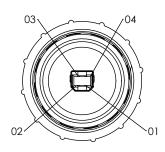


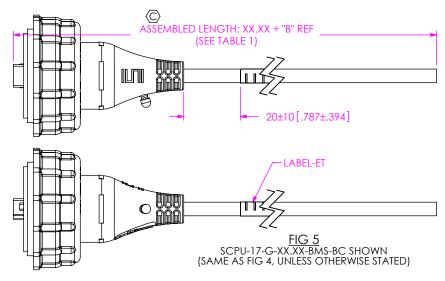












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SHEET SCALE: 3:4



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DESCRIPTION:

SEALED CIRCULAR CABLE PLUG, USB

VG NO

SCPU-17-X-XX.XX-XXX-XXX

BY: CHAD F 12/8/2004 SHEET 3 OF 11

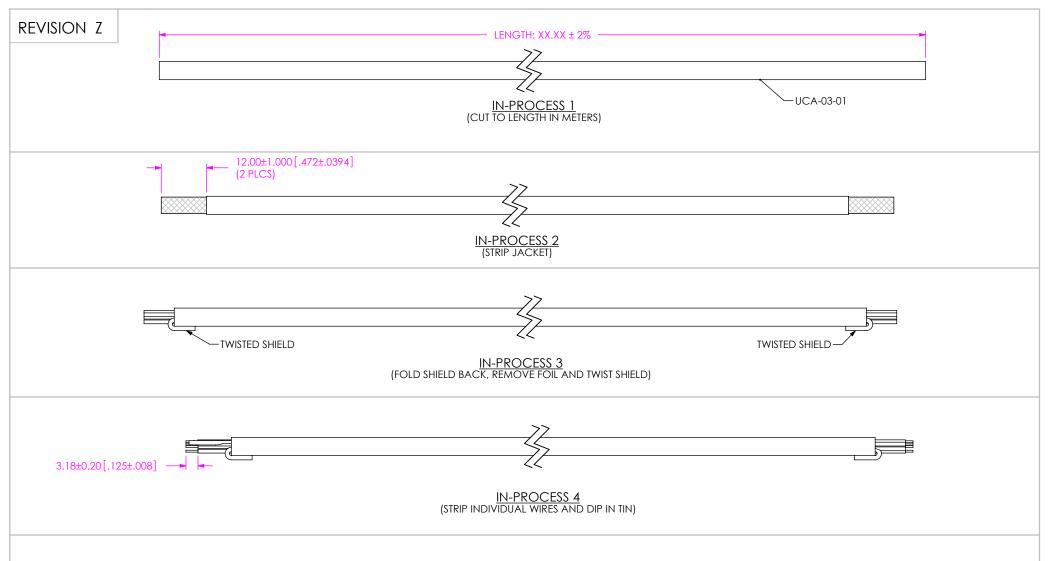


TABLE 2: PIN-OUT										
END 1		Wire Color	END 2							
-AMS	-BMS		-AMS	-BMS	-AM	-BM	-BC	-MB		
01	01	RED	01	01	01	01	01	01		
02	02	WHITE	02	02	02	02	02	02		
03	03	GREEN	03	03	03	03	03	03		
n/a	n/a	NOT CONNECTED	n/a	n/a	n/a	n/a	n/a	04		
04	04	BLACK	04	04	04	04	04	05		
USB Shield	USB Shield	DRAIN/CABLE SHIELD	USB Shield							

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SHEET SCALE: 1:1.33333



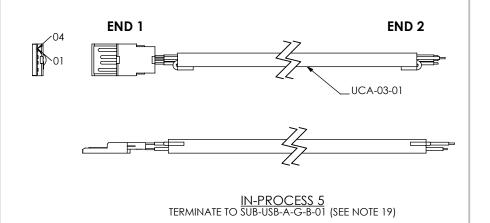
PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com code 55322

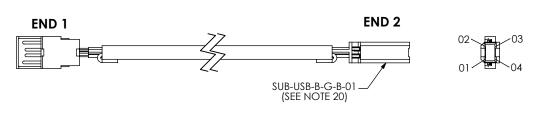
SEALED CIRCULAR CABLE PLUG, USB

SCPU-17-X-XX.XX-XXX-XXX SHEET 4 OF 11

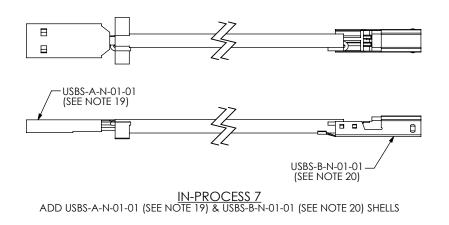
12/8/2004 BY: CHAD F

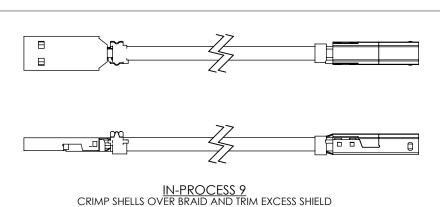
### IN-PROCESS VIEWS FOR-AMS AND -AMS, -BMS, -AM AND -BM END OPTIONS

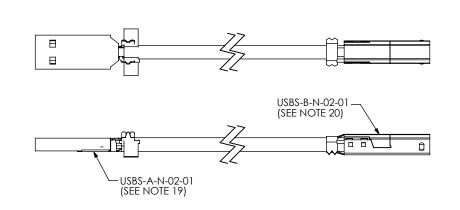




IN-PROCESS 6
TERMINATE TO SUB-USB-B-G-B-01 (SEE NOTE 20)







<u>IN-PROCESS 8</u> ADD USBS-A-N-02-01 (SEE NOTE 19) & USBS-B-N-02-01 (SEE NOTE 20) SHELLS



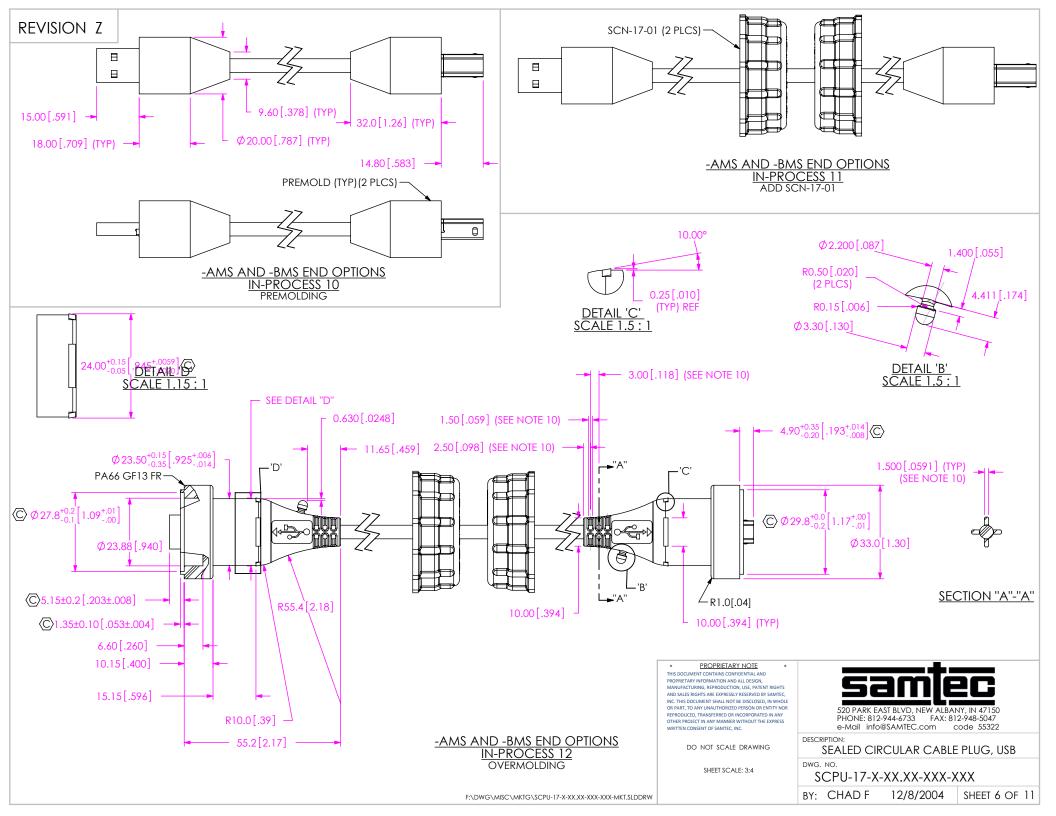
DO NOT SCALE DRAWING

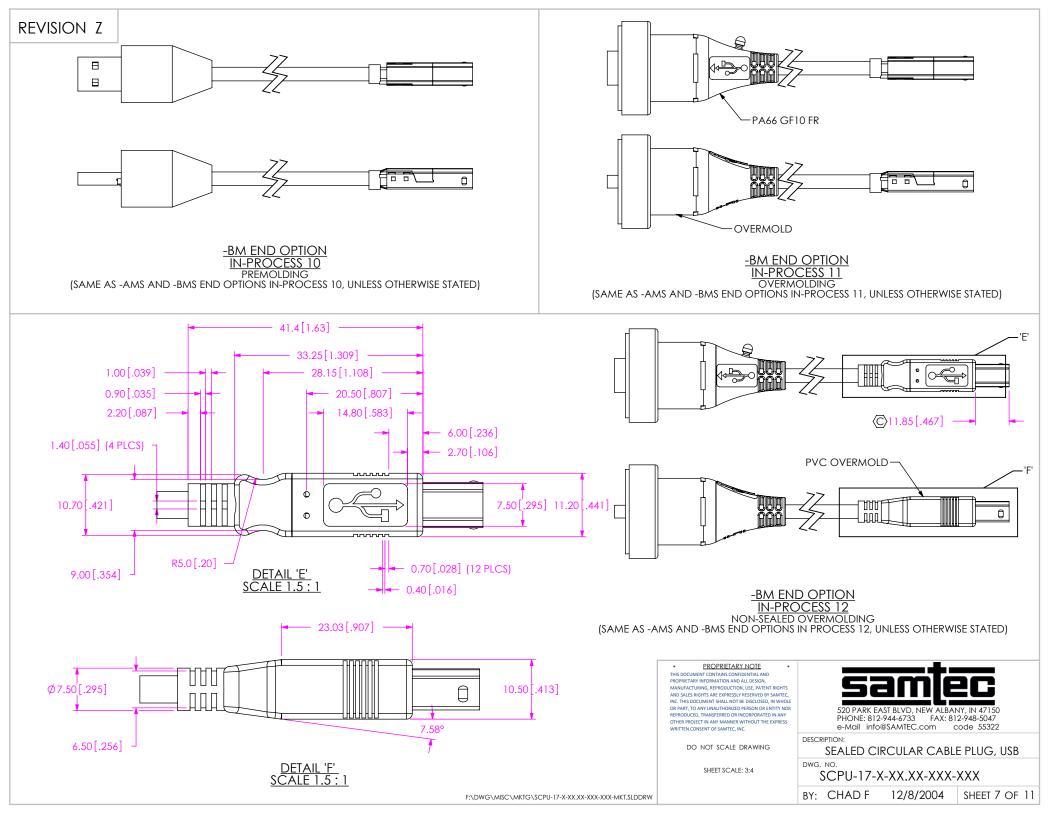
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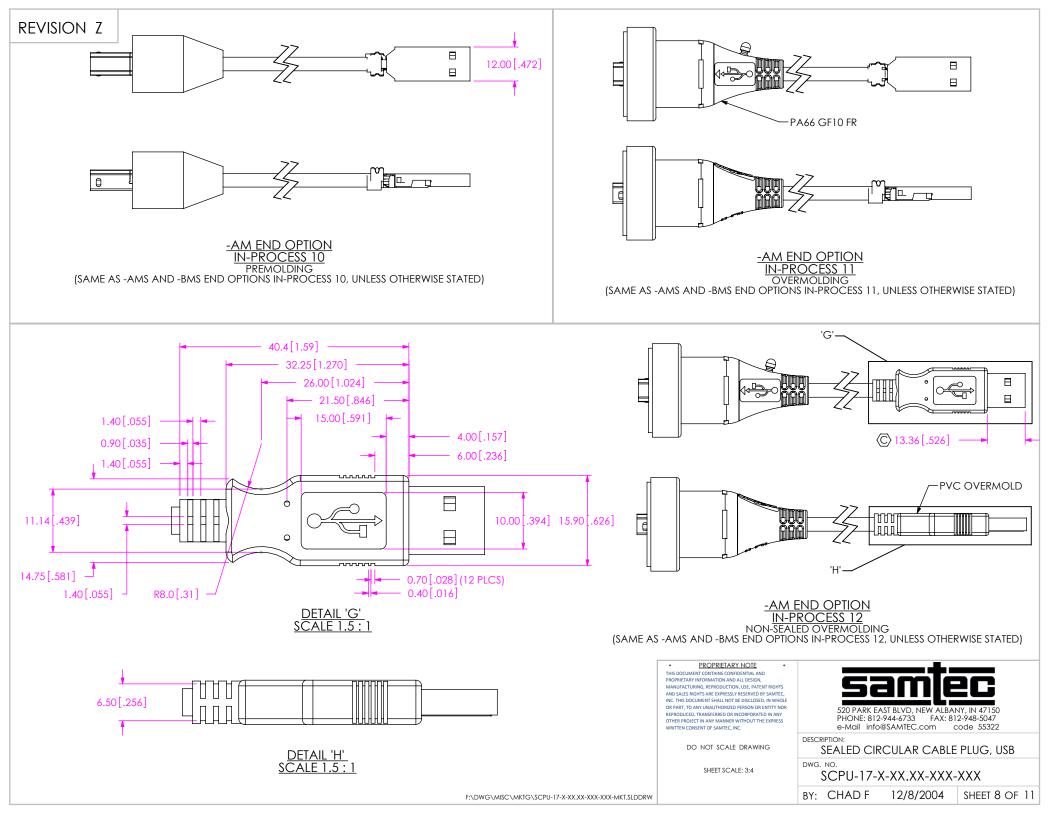
SEALED CIRCULAR CABLE PLUG, USB

SCPU-17-X-XX.XX-XXX-XXX

BY: CHAD F 12/8/2004 SHEET 5 OF 11

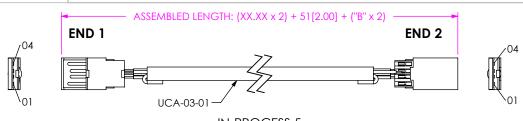




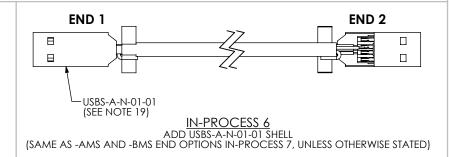




### IN-PROCESS VIEWS FOR -AMS AND -AMS AND -BC END OPTIONS



IN-PROCESS 5
TERMINATE TO SUB-USB-A-G-B-01 (SEE NOTE 19)
(SAME AS -AMS AND -BMS END OPTIONS IN-PROCESS 5, UNLESS OTHERWISE STATED)

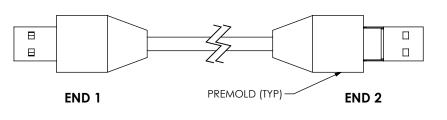




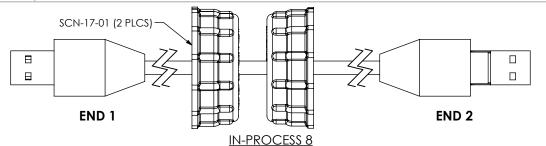
(SAME AS -AMS AND -BMS END OPTIONS IN-PROCESS 8, UNLESS OTHERWISE STATED)



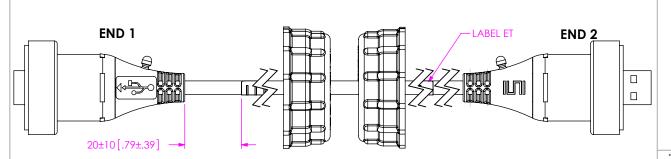
ADD SCN-17-01 (SAME AS -AMS AND -BMS END OPTIONS IN-PROCESS 11, UNLESS OTHERWISE STATED)



IN-PROCESS 9
PREMOLDING
(SAME AS -AMS AND -BMS END OPTIONS IN-PROCESS 10, UNLESS OTHERWISE STATED)

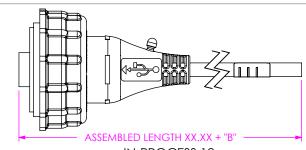


CRIMP SHELLS OVER BRAID
(SAME AS -AMS AND -BMS END OPTIONS IN-PROCESS 9, UNLESS OTHERWISE STATED)



IN-PROCESS 11 OVERMOLDING

(SAME AS -AMS AND -BMS END OPTIONS IN-PROCESS 12, UNLESS OTHERWISE STATED)



IN-PROCESS 12 (CUT IN HALF AND TRIM TO LENGTH)

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CRIPTION:

SEALED CIRCULAR CABLE PLUG, USB

DWG. NO.

SCPU-17-X-XX.XX-XXX-XXX

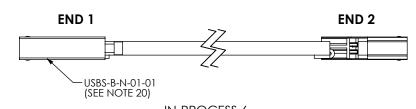
BY: CHAD F 12/8/2004 SHEET 9 OF 11

### REVISION Z

### IN-PROCESS VIEWS FOR -BMS AND -BMS AND -BC END OPTION



IN-PROCESS 5
TERMINATE TO SUB-USB-B-G-B-01
(SAME AS -AMS AND -BMS END OPTIONS IN-PROCESS 6, UNLESS OTHERWISE STATED)



IN-PROCESS 6
ADD USBS-B-N-01-01 SHELL
(SAME AS -AMS AND -BMS END OPTIONS IN-PROCESS 7, UNLESS OTHERWISE STATED)



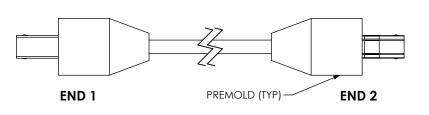
IN-PROCESS 7
ADD USBS-B-N-02-01 SHELL
(SAME AS -AMS AND -BMS END OPTIONS IN-PROCESS 8, UNLESS OTHERWISE STATED)



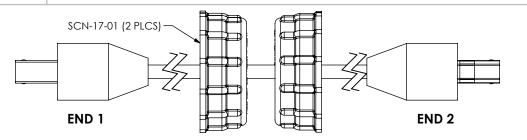
IN-PROCESS 8

CRIMP SHELLS OVER BRAID

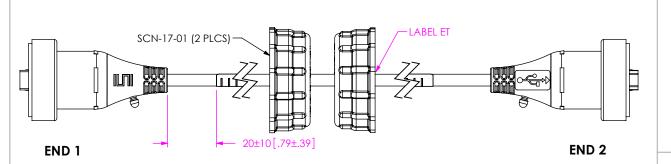
(SAME AS -AMS AND -BMS END OPTIONS IN-PROCESS 9, UNLESS OTHERWISE STATED)



IN-PROCESS 9
PREMOLDING
(SAME AS -AMS AND -BMS END OPTIONS IN-PROCESS 10, UNLESS OTHERWISE STATED)

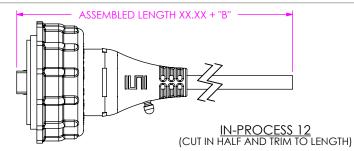


IN-PROCESS 10
ADD SCN-17-01
(SAME AS -AMS AND -BMS END OPTIONS IN-PROCESS 11, UNLESS OTHERWISE STATED)



# IN-PROCESS 11 OVERMOLD

(SAME AS -AMS AND -BMS END OPTIONS IN-PROCESS 12, UNLESS OTHERWISE STATED)



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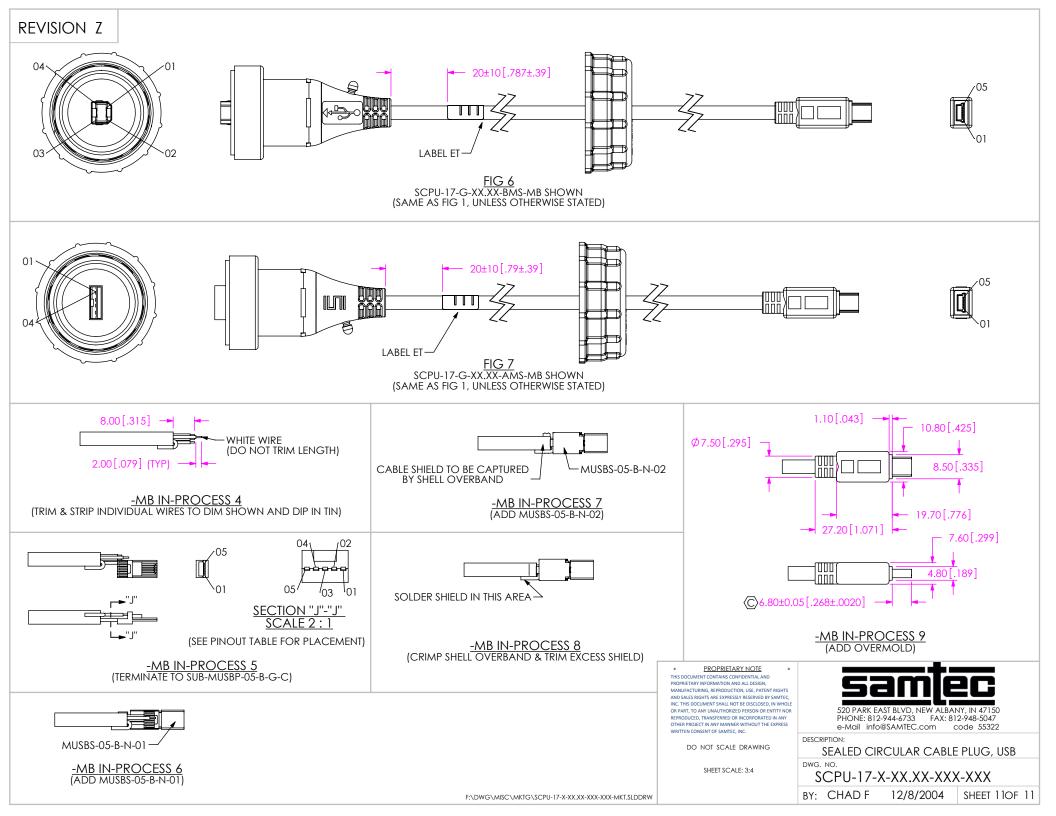
520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com code 55322

ESCRIPTION:

SEALED CIRCULAR CABLE PLUG, USB

SCPU-17-X-XX.XX-XXX-XXX

BY: CHAD F 12/8/2004 SHEET 10 OF 11



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**Authorized Distributor** 

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