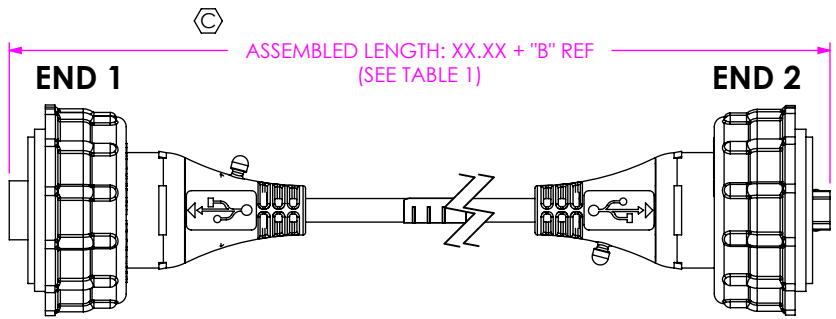


Pb THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

DESIGNED & DIMENSIONED IN MILLIMETERS [INCHES]

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

DO NOT SCALE FROM THIS PRINT



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

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

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 SHEET 3)

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.

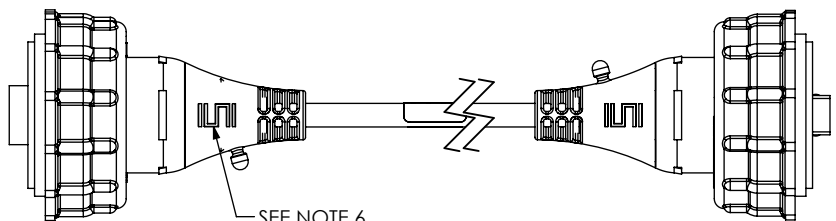
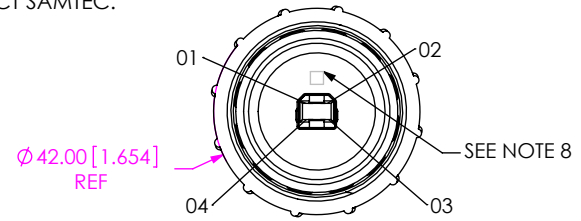
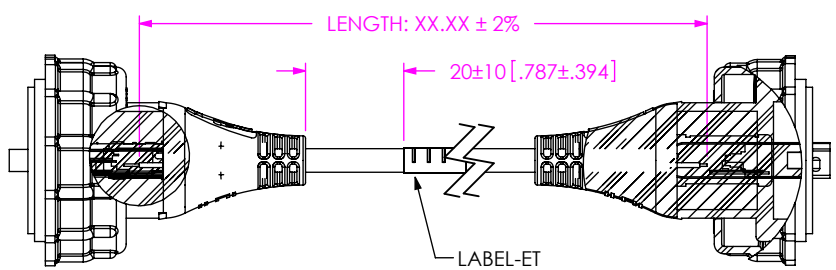
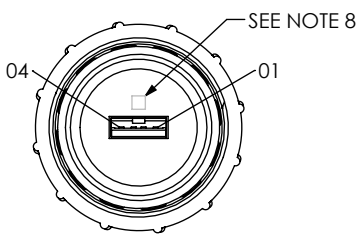


FIG 1
SCPU-17-G-XX.XX-AMS-BMS SHOWN

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].
7. NOTE DELETED.
8. ALL MULTIPLE 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.
10. MOLD TO BE INSERTED TO ACCEPT DIFFERENT CABLE DIAMETERS.
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.

TABLE 1		
PART NUMBER	END 2	"B"
SCPU-17-XX-XX-AMS-	AMS	36.5 [1.45]
	BMS	36.5 [1.45]
	AM	36.5 [1.45]
	BM	36.5 [1.45]
	MB	36.5 [1.45]
SCPU-17-XX-XX-BMS-	BC	18.25 [.718]
	AMS	36.5 [1.45]
	BMS	36.5 [1.45]
	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:
DECIMALS ANGLES
0.X: ±0.35 [.014] 2°
0.XX: ±0.25 [.010]
0.XXX: ±0.15 [.006]

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 0.65:1
INSULATOR: GLASS FILLED THERMOPLASTIC
CONTACTS: COPPER ALLOY
SHIELDS: CRS, CABLE NUT: PA66
SEALED PREMOLD: RITEFLEX 640A
NON-SEALED PREMOLD: N/A
SEALED OVERMOLD: PA66 GF13 FR/ SHOT WEIGHT: 12.71 g [0.280 lb]
NON SEALED OVERMOLD: PVC/ SHOT WEIGHT: 9.07 g [0.200 lb]
c:\enterprise\vaull\DWG\MISC\MKTG\SCPU-17-X-XX-XX-XXX-MKT.SLDDRW



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, USB
DWG. NO.
SCPU-17-X-XX.XX-XXX-XXX
BY: CHAD F 12/8/2004 SHEET 1 OF 10

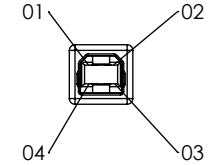
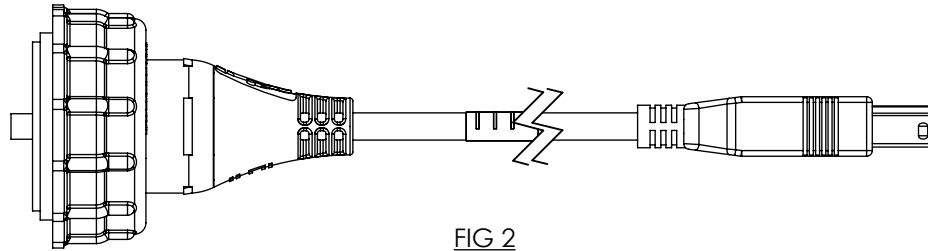
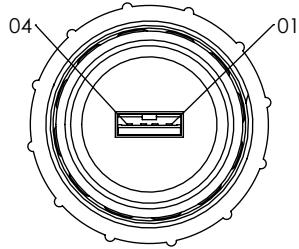
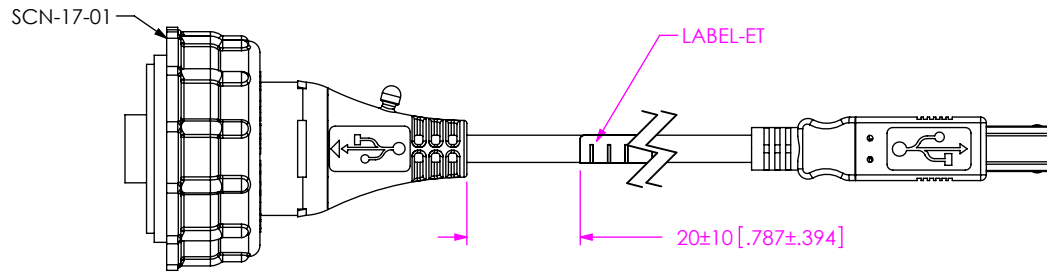


FIG 2
SCPU-17-G-XX.XX-AMS-BM SHOWN
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

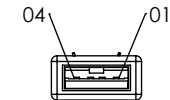
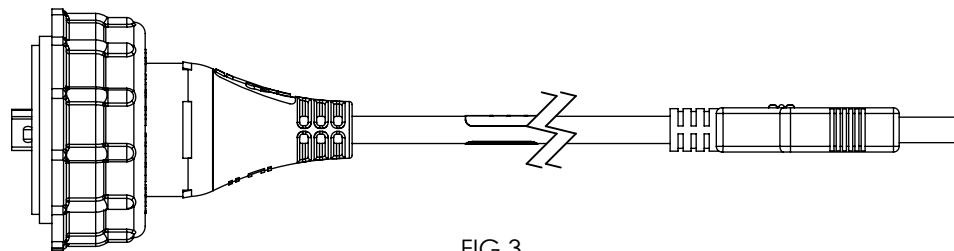
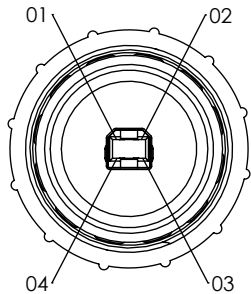
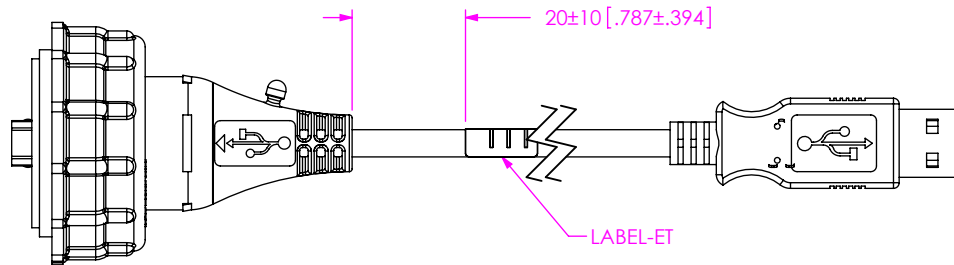


FIG 3
SCPU-17-G-XX.XX-BMS-AM SHOWN
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

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SHEET SCALE: 3:4

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e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
SEALED CIRCULAR CABLE PLUG, USB

DWG. NO.
SCPU-17-X-XX.XX-XXX-XXX

BY: CHAD F 12/8/2004 SHEET 2 OF 10

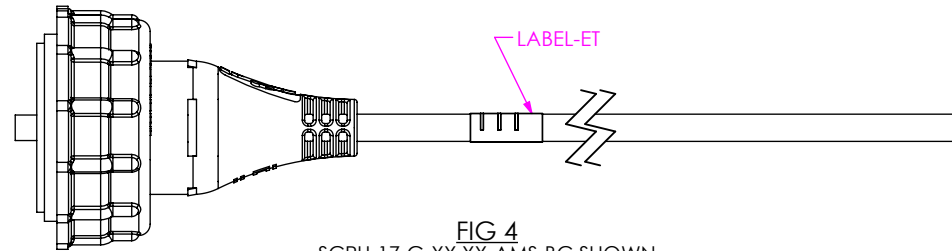
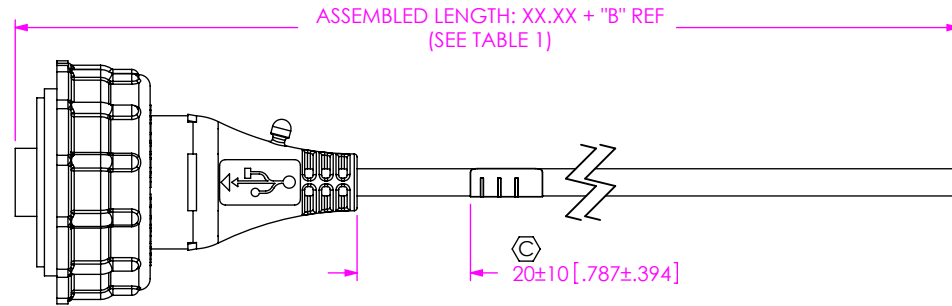
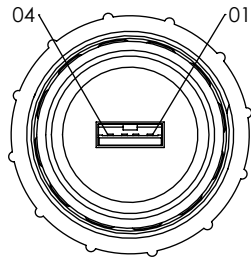


FIG 4
SCPU-17-G-XX.XX-AMS-BC SHOWN
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

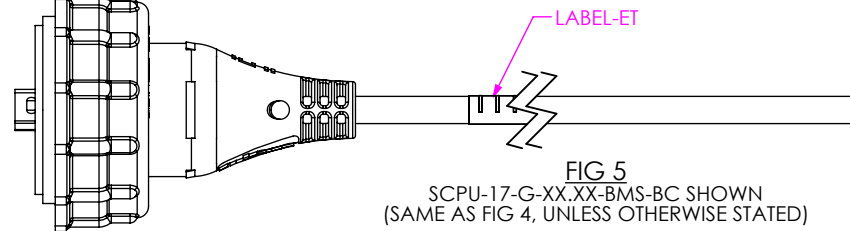
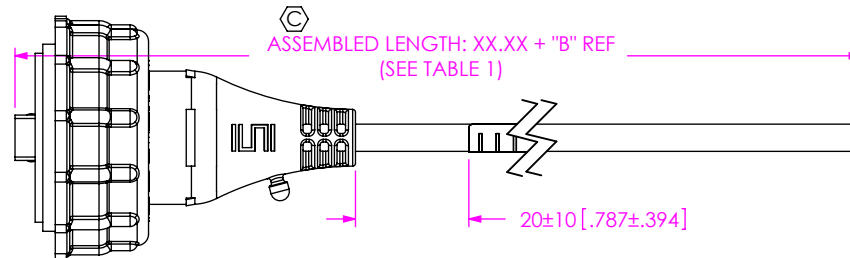
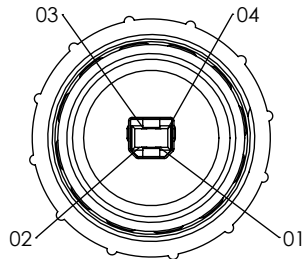


FIG 5
SCPU-17-G-XX.XX-BMS-BC SHOWN
(SAME AS FIG 4, UNLESS OTHERWISE STATED)

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DESCRIPTION:
SEALED CIRCULAR CABLE PLUG, USB

DWG. NO.
SCPU-17-X-XX.XX-XXX-XXX

BY: CHAD F 12/8/2004 SHEET 3 OF 10

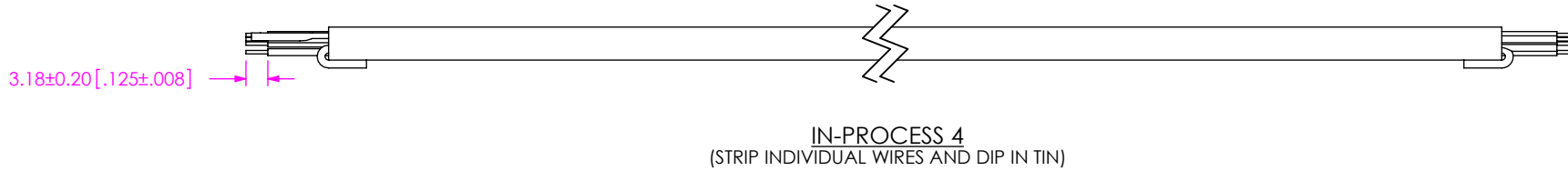
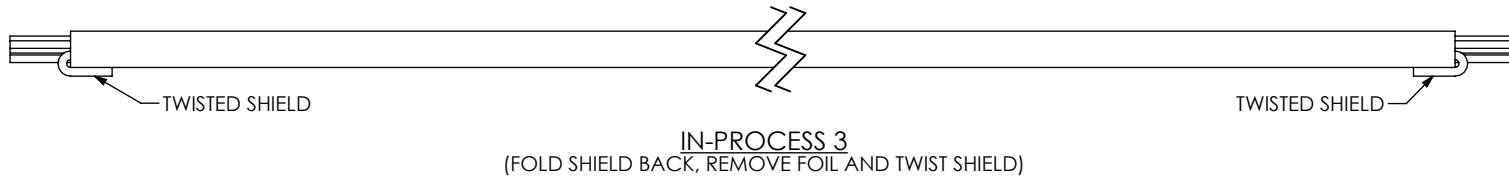
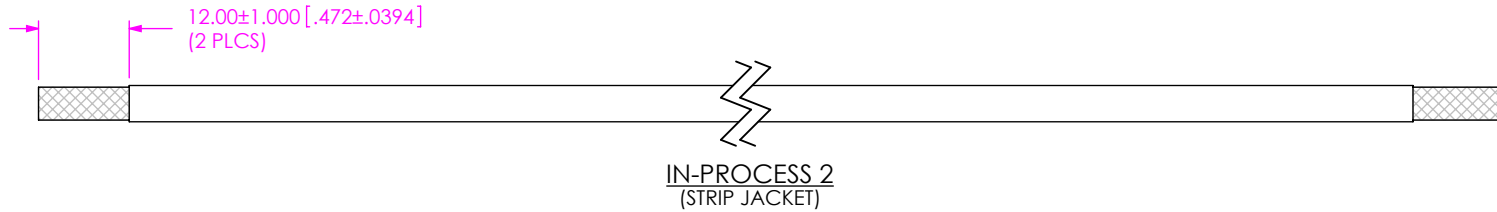
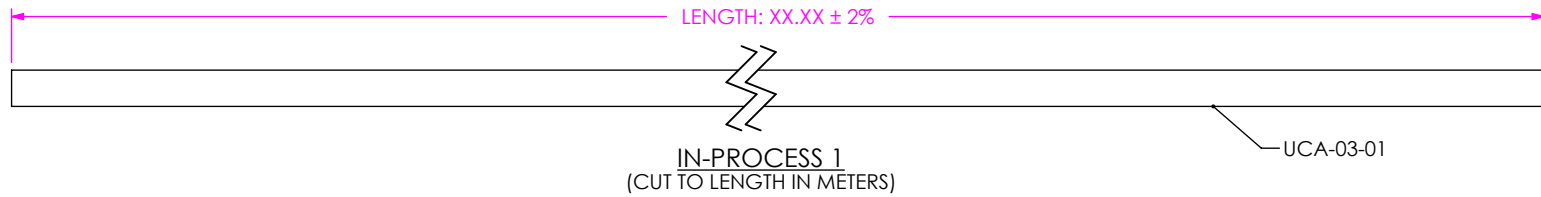


TABLE 2: PIN-OUT

END 1		Wire Color	END 2		-AM	-BM	-BC	-MB
-AMS	-BMS		-AMS	-BMS				
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	USB Shield	USB Shield	USB Shield	USB Shield	USB Shield

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SHEET SCALE: 1:1.33333

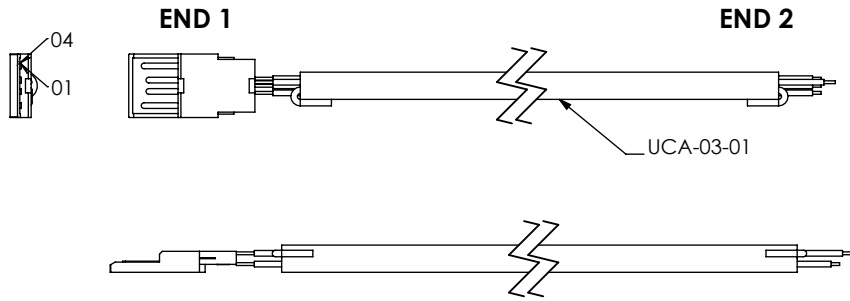


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e-Mail info@SAMTEC.com code 55322

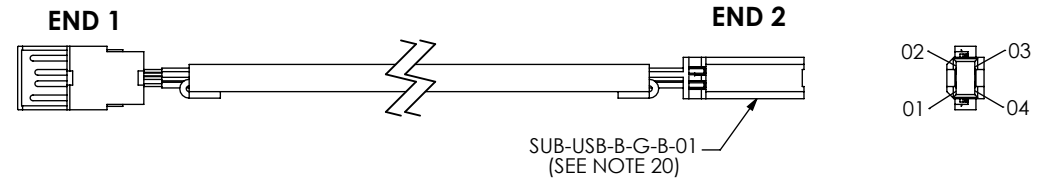
DESCRIPTION:
SEALED CIRCULAR CABLE PLUG, USB

DWG. NO.
SCPU-17-X-XX.XX-XXX-XXX

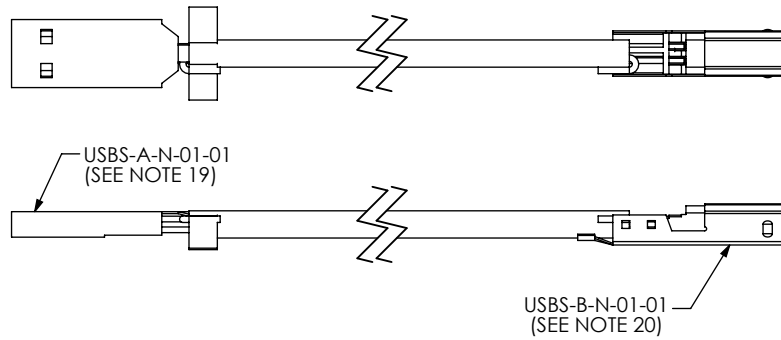
BY: CHAD F 12/8/2004 SHEET 4 OF 10



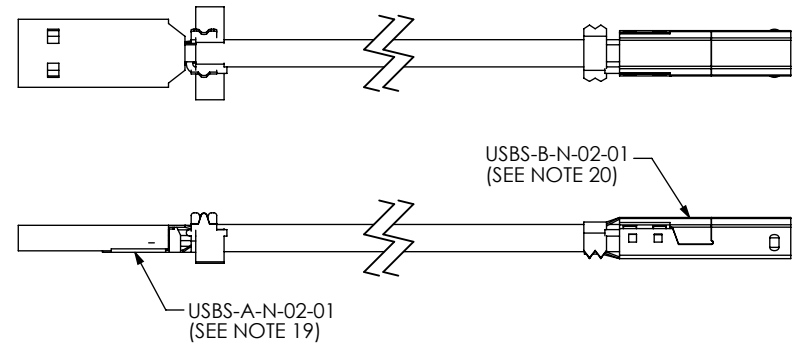
IN-PROCESS 5
TERMINATE TO SUB-USB-A-G-B-01 (SEE NOTE 19)



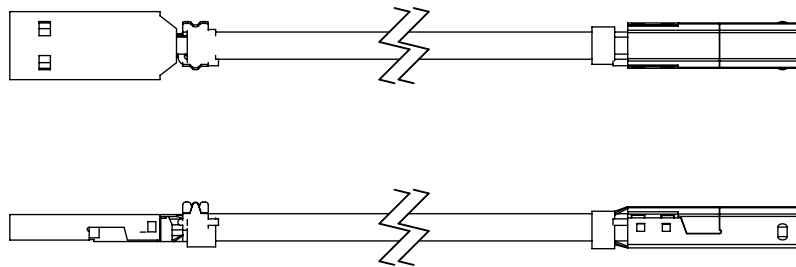
IN-PROCESS 6
TERMINATE TO SUB-USB-B-G-B-01 (SEE NOTE 20)



IN-PROCESS 7
ADD USBS-A-N-01-01 (SEE NOTE 19) & USBS-B-N-01-01 (SEE NOTE 20) SHELLS



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



IN-PROCESS 9
CRIMP SHELLS OVER BRAID AND TRIM EXCESS SHIELD

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SHEET SCALE: 1:1.33333

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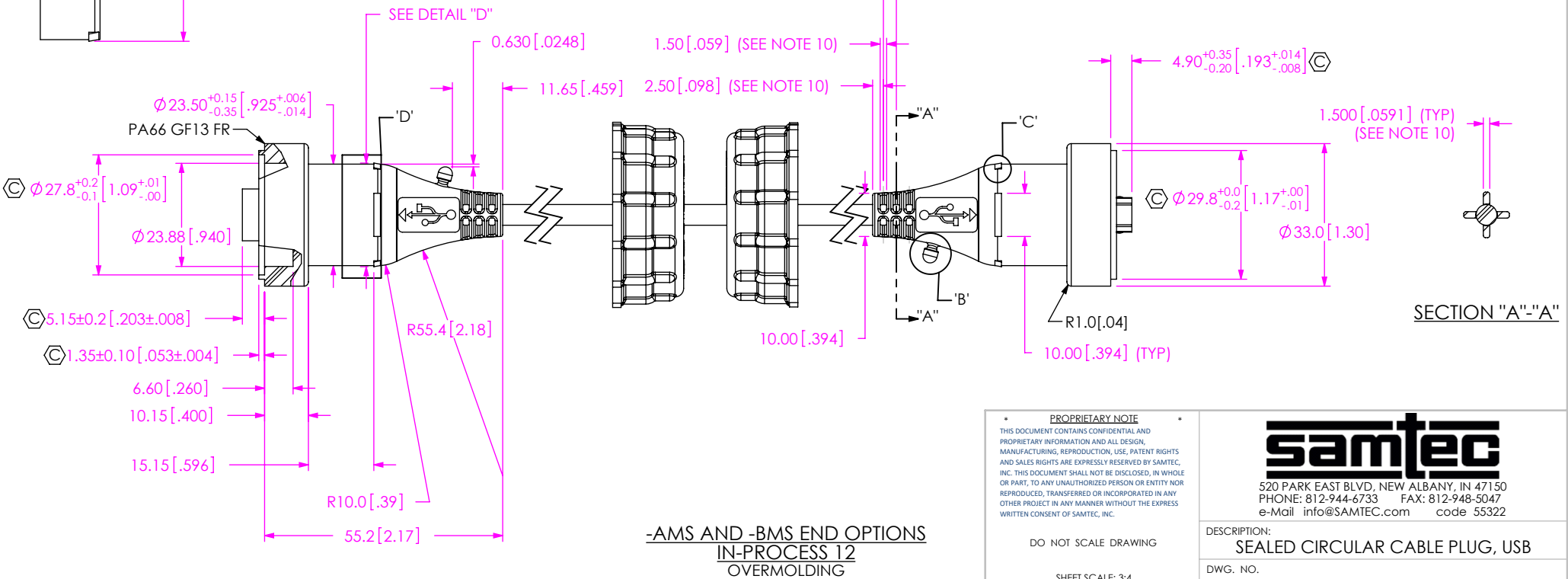
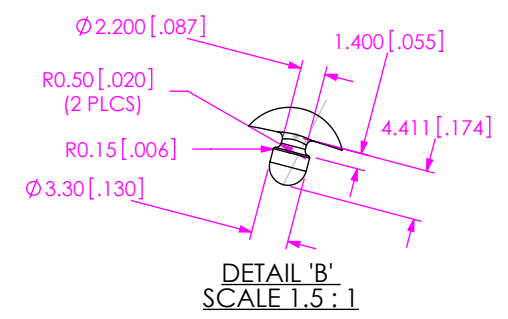
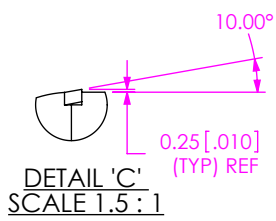
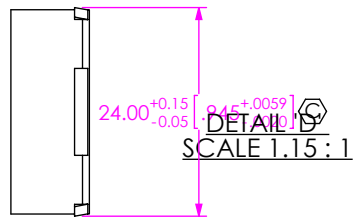
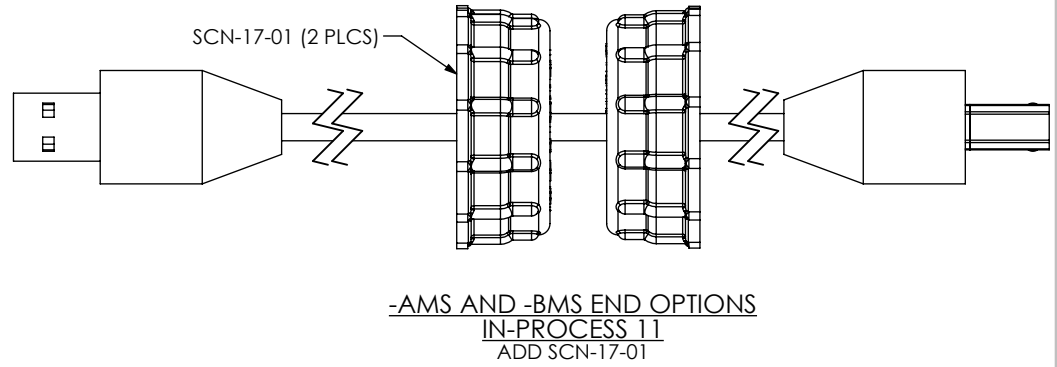
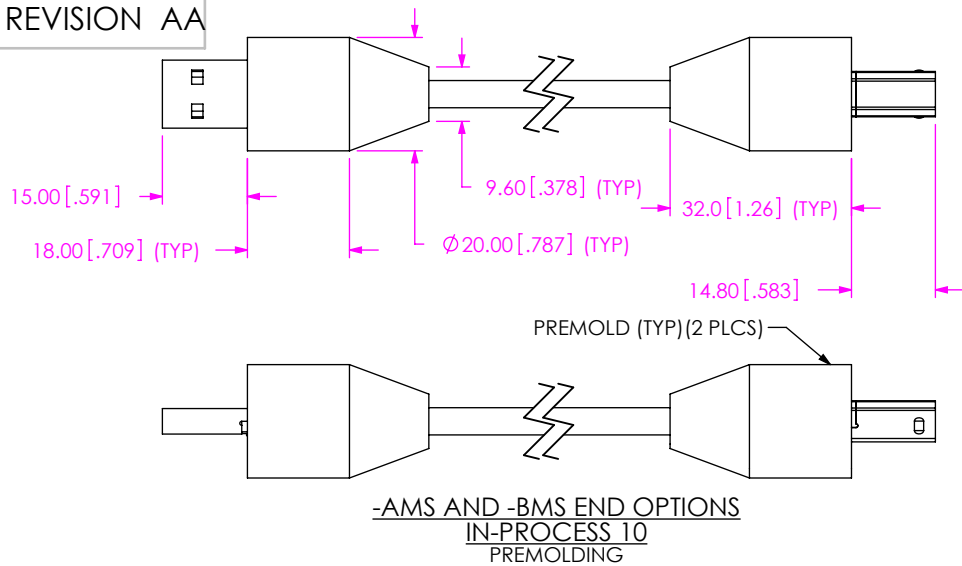
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
SEALED CIRCULAR CABLE PLUG, USB

DWG. NO.
SCPU-17-X-XX.XX-XXX-XXX

BY: CHAD F 12/8/2004 SHEET 5 OF 10

REVISION AA

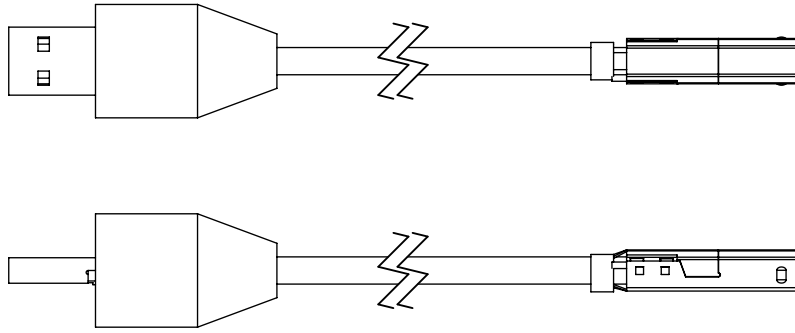


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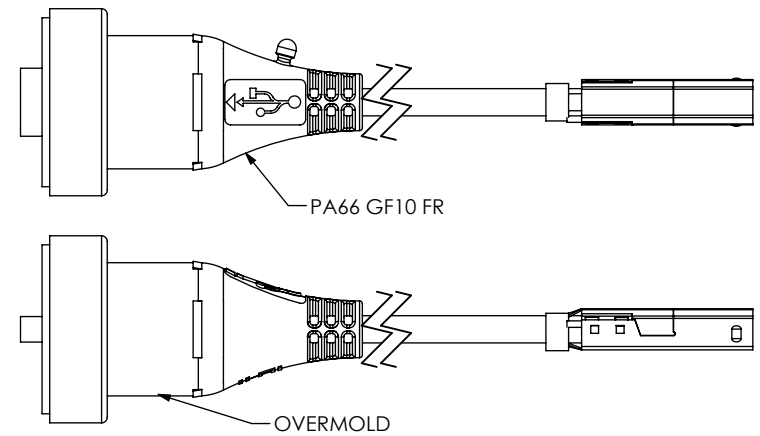
DO NOT SCALE DRAWING
SHEET SCALE: 3:4

DESCRIPTION:	SEALED CIRCULAR CABLE PLUG, USB
DWG. NO.	SCPU-17-X-XX.XX-XXX-XXX
BY:	CHAD F 12/8/2004 SHEET 6 OF 10



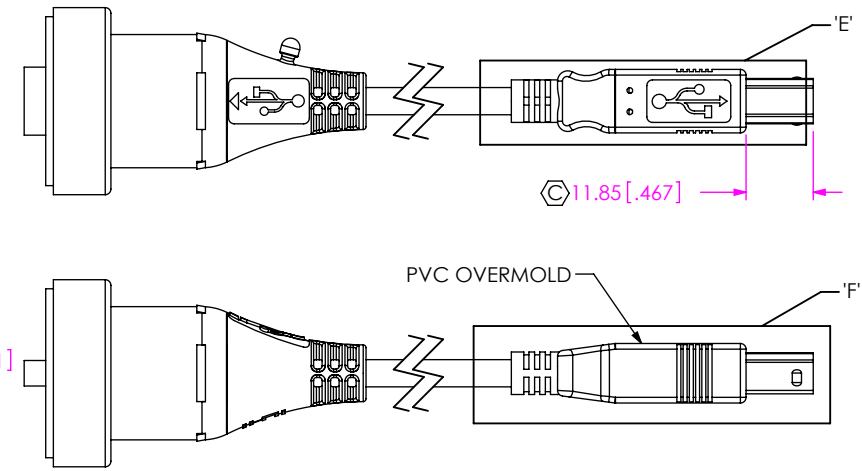
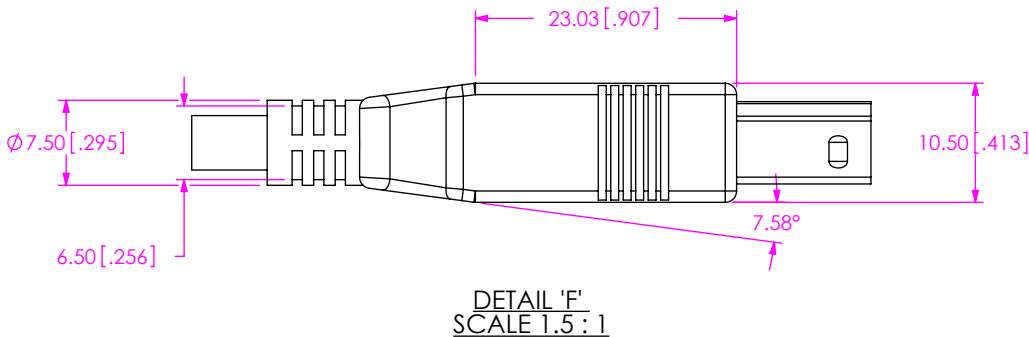
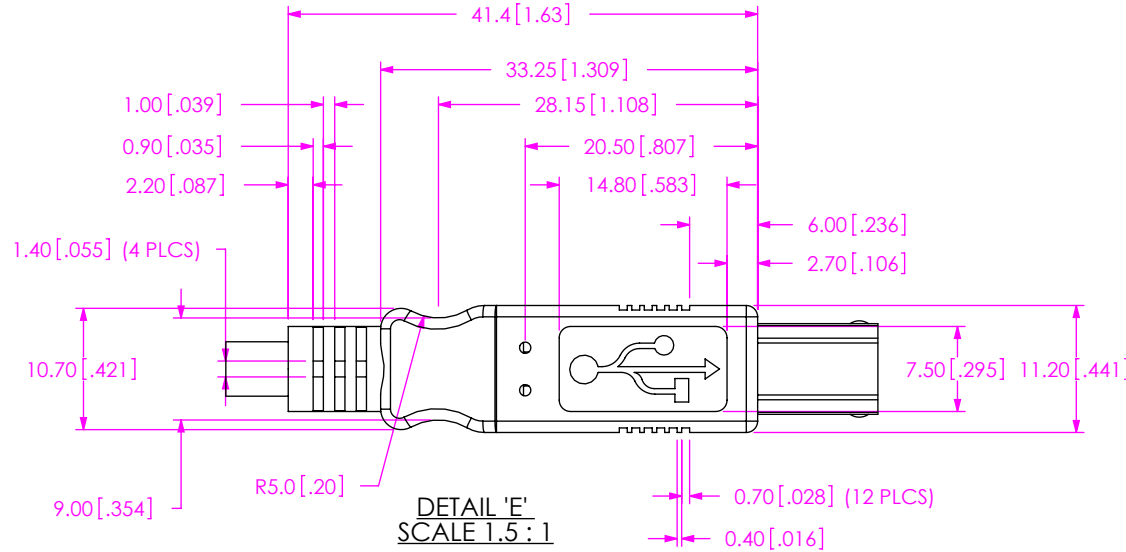
**-BM END OPTION
IN-PROCESS 10
PREMOLDING**

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



**-BM END OPTION
IN-PROCESS 11
OVERMOLDING**

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



**-BM END OPTION
IN-PROCESS 12
NON-SEALED OVERMOLDING**

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

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SHEET SCALE: 3:4



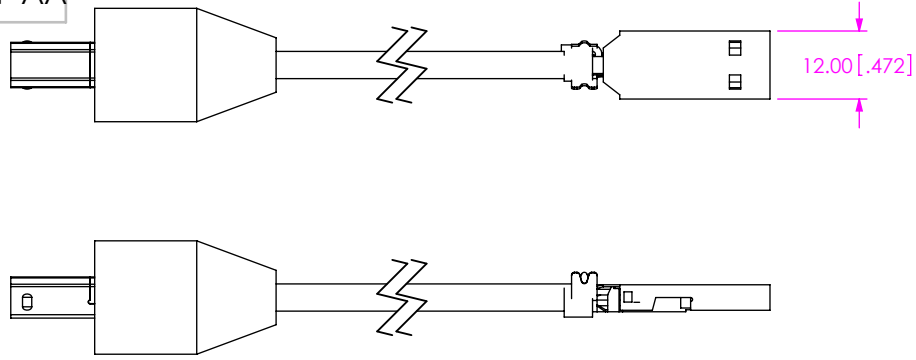
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
SEALED CIRCULAR CABLE PLUG, USB

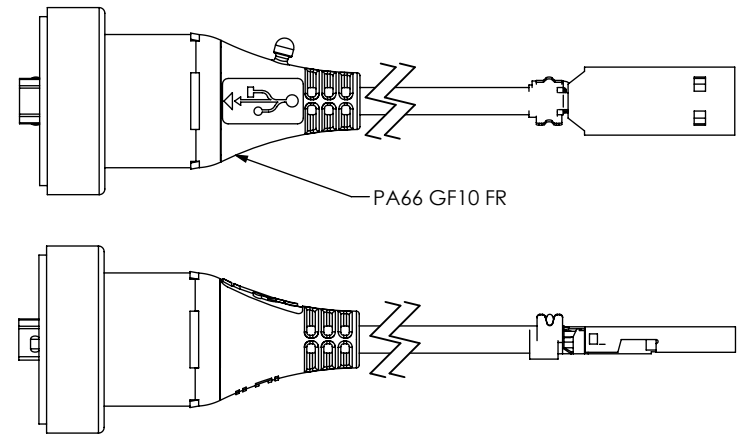
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SCPU-17-X-XX.XX-XXX-XXX

BY: CHAD F 12/8/2004 SHEET 7 OF 10

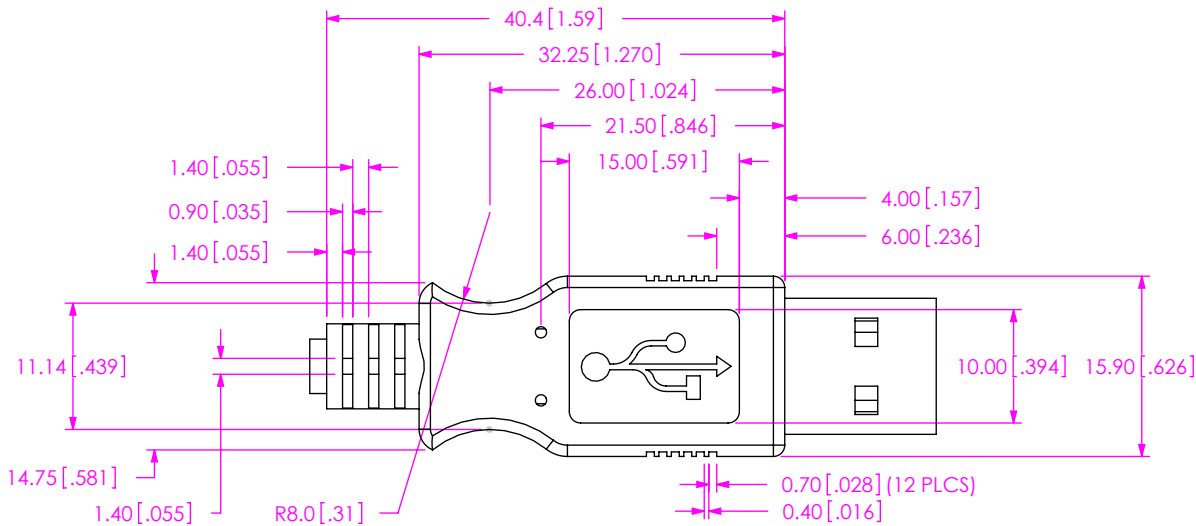
REVISION AA



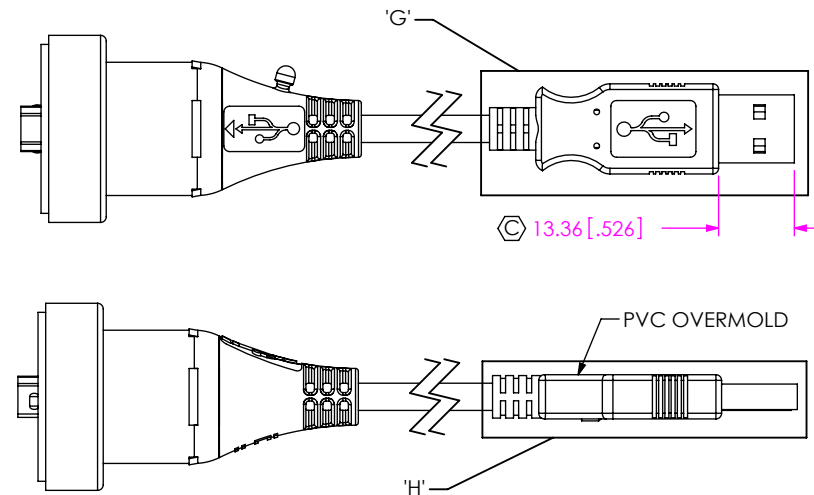
**-AM END OPTION
IN-PROCESS 10
PREMOLDING**
(SAME AS -AMS AND -BMS END OPTIONS IN-PROCESS 10, UNLESS OTHERWISE STATED)



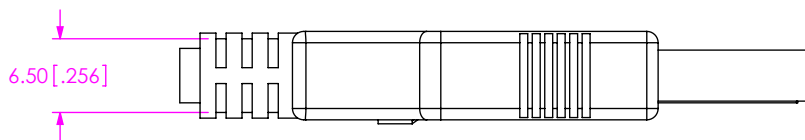
**-AM END OPTION
IN-PROCESS 11
OVERMOLDING**
(SAME AS -AMS AND -BMS END OPTIONS IN-PROCESS 11, UNLESS OTHERWISE STATED)



**DETAIL 'G'
SCALE 1.5 : 1**



**-AM END OPTION
IN-PROCESS 12
NON-SEALED OVERMOLDING**
(SAME AS -AMS AND -BMS END OPTIONS IN-PROCESS 12, UNLESS OTHERWISE STATED)



**DETAIL 'H'
SCALE 1.5 : 1**

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SHEET SCALE: 3:4

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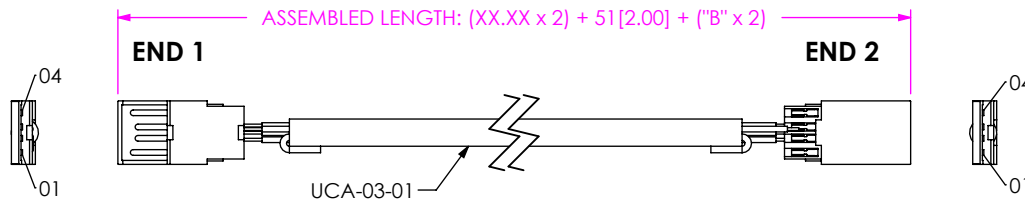
520 PARK EAST BLVD., NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
SEALED CIRCULAR CABLE PLUG, USB

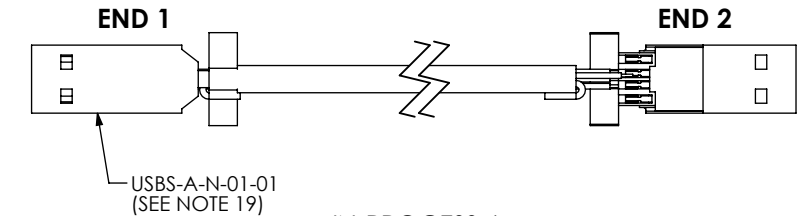
DWG. NO.
SCPU-17-X-XX.XX-XXX-XXX

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

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)



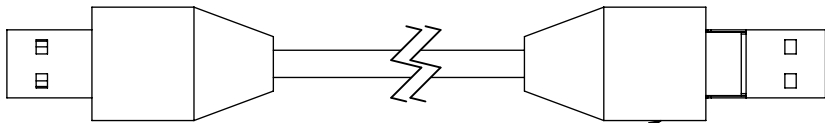
IN-PROCESS 6
 ADD USB-A-N-01-01 SHELL
 (SAME AS -AMS AND -BMS END OPTIONS IN-PROCESS 7, UNLESS OTHERWISE STATED)



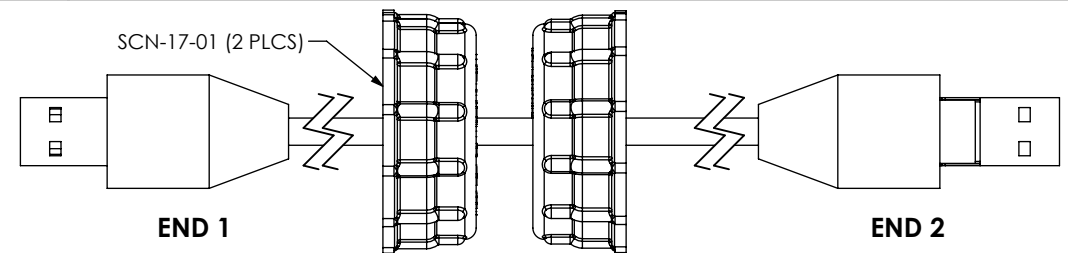
IN-PROCESS 7
 ADD USB-A-N-02-01 SHELL
 (SAME AS -AMS AND -BMS END OPTIONS IN-PROCESS 8, UNLESS OTHERWISE STATED)



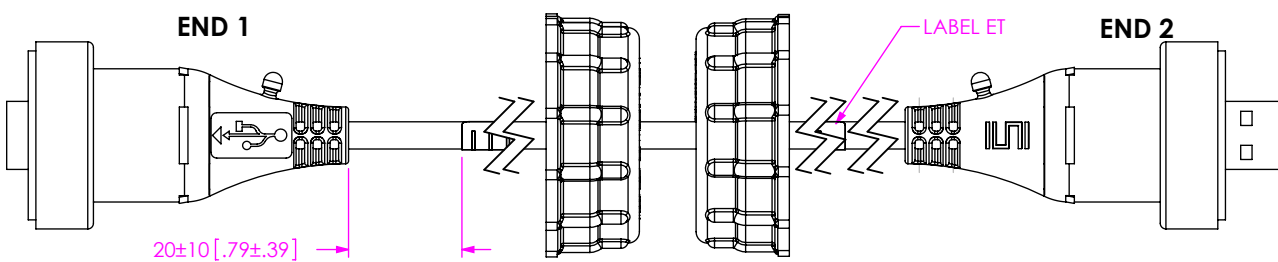
IN-PROCESS 10
 ADD SCN-17-01
 (SAME AS -AMS AND -BMS END OPTIONS IN-PROCESS 11, UNLESS OTHERWISE STATED)



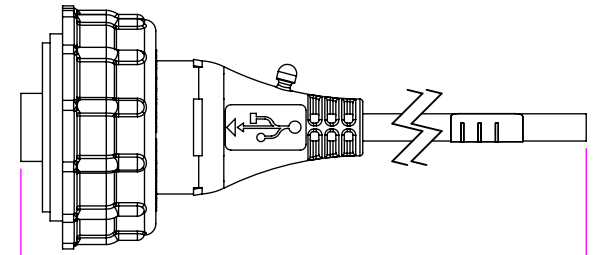
IN-PROCESS 9
 PREMOLDING
 (SAME AS -AMS AND -BMS END OPTIONS IN-PROCESS 10, UNLESS OTHERWISE STATED)



IN-PROCESS 8
 CRIMP SHELLS OVER BRAID
 (SAME AS -AMS AND -BMS END OPTIONS IN-PROCESS 9, UNLESS OTHERWISE STATED)



IN-PROCESS 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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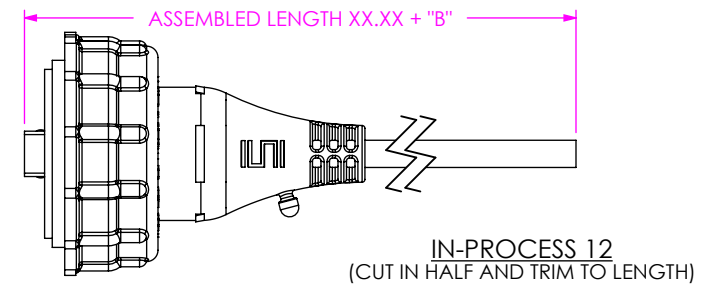
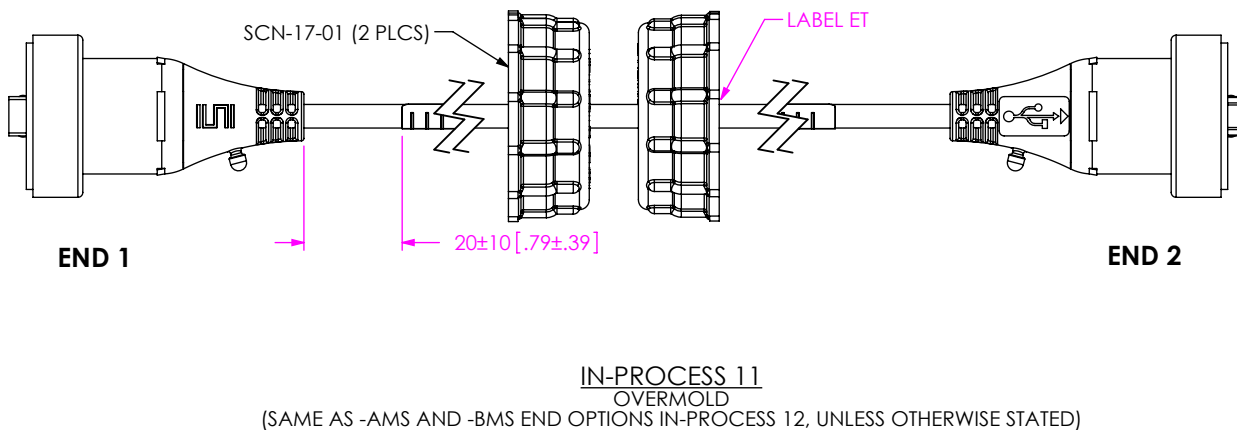
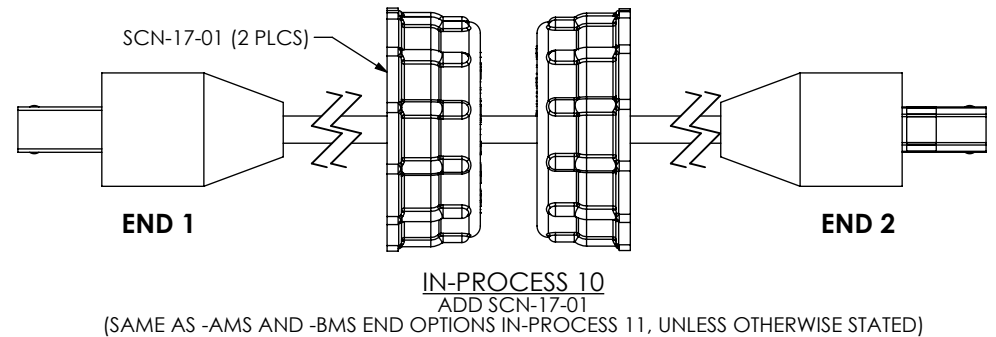
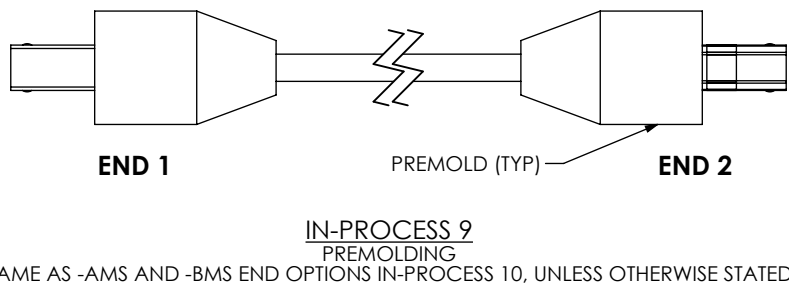
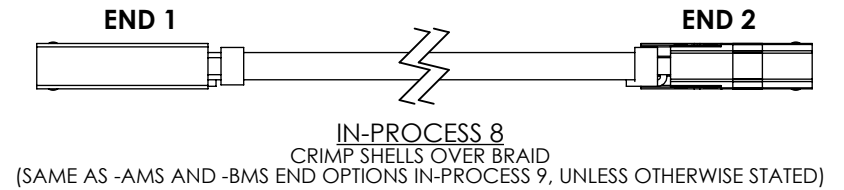
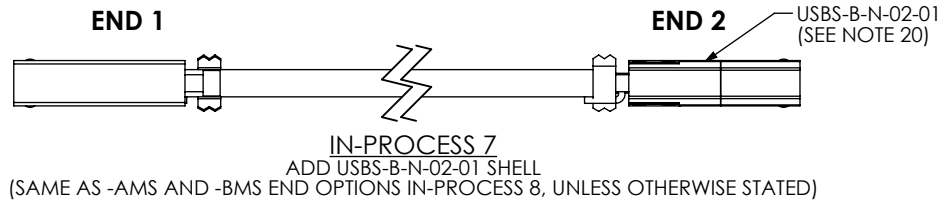
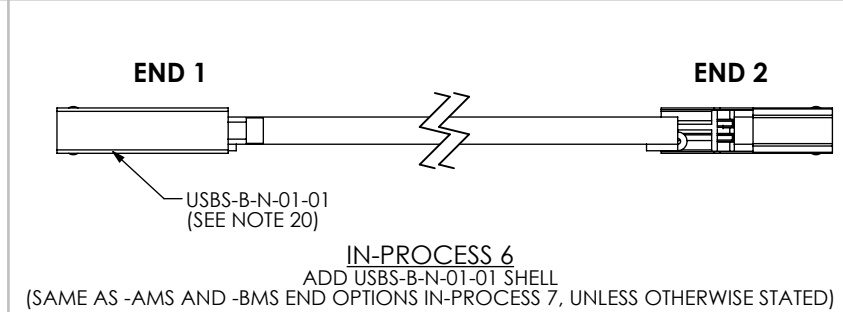
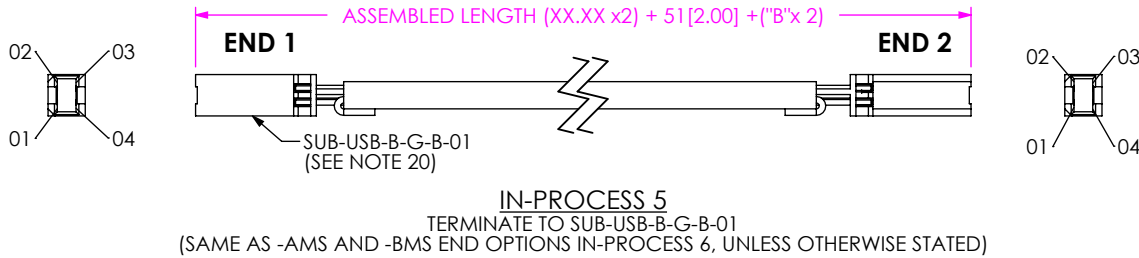
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 DWG. NO.
 SCPU-17-X-XX.XX-XXX-XXX
 BY: CHAD F 12/8/2004 SHEET 9 OF 10

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



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