

REVISION A

TABLE 1			
PART NUMBER	END 2	"A" REF	"B"
RCU-X-02.00-AMS	-AMS	2000.0 [78.74]	2035.6 [80.14]
	-AM	2000.0 [78.74]	2035.6 [80.14]
	-BC	2000.0 [78.74]	2017.8 [79.44]
	-BM	2000.0 [78.74]	2035.6 [80.14]
	-BMS	2000.0 [78.74]	2035.6 [80.14]
RCU-X-03.00-AMS	-AMS	3000.0 [118.11]	3035.6 [119.51]
	-AM	3000.0 [118.11]	3035.6 [119.51]
	-BC	3000.0 [118.11]	3017.8 [118.81]
	-BM	3000.0 [118.11]	3035.6 [119.51]
	-BMS	3000.0 [118.11]	3035.6 [119.51]
RCU-X-02.00-BMS	-AMS	2000.0 [78.74]	2035.6 [80.14]
	-AM	2000.0 [78.74]	2035.6 [80.14]
	-BC	2000.0 [78.74]	2017.8 [79.44]
	-BM	2000.0 [78.74]	2035.6 [80.14]
	-BMS	2000.0 [78.74]	2035.6 [80.14]
RCU-X-03.00-BMS	-AMS	3000.0 [118.11]	3035.6 [119.51]
	-AM	3000.0 [118.11]	3035.6 [119.51]
	-BC	3000.0 [118.11]	3017.8 [118.81]
	-BM	3000.0 [118.11]	3035.6 [119.51]
	-BMS	3000.0 [118.11]	3035.6 [119.51]

DESIGNED & DIMENSIONED
IN MILLIMETERS[INCHES]

RCU-X-XX.XX-XXX-XXX

PLATING SPECIFICATION

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

CABLE LENGTH*

-XX.XX: "A" (SEE TABLE 1)
(0.25M [9.842] MIN - 50.00M [1968.504] MAX)

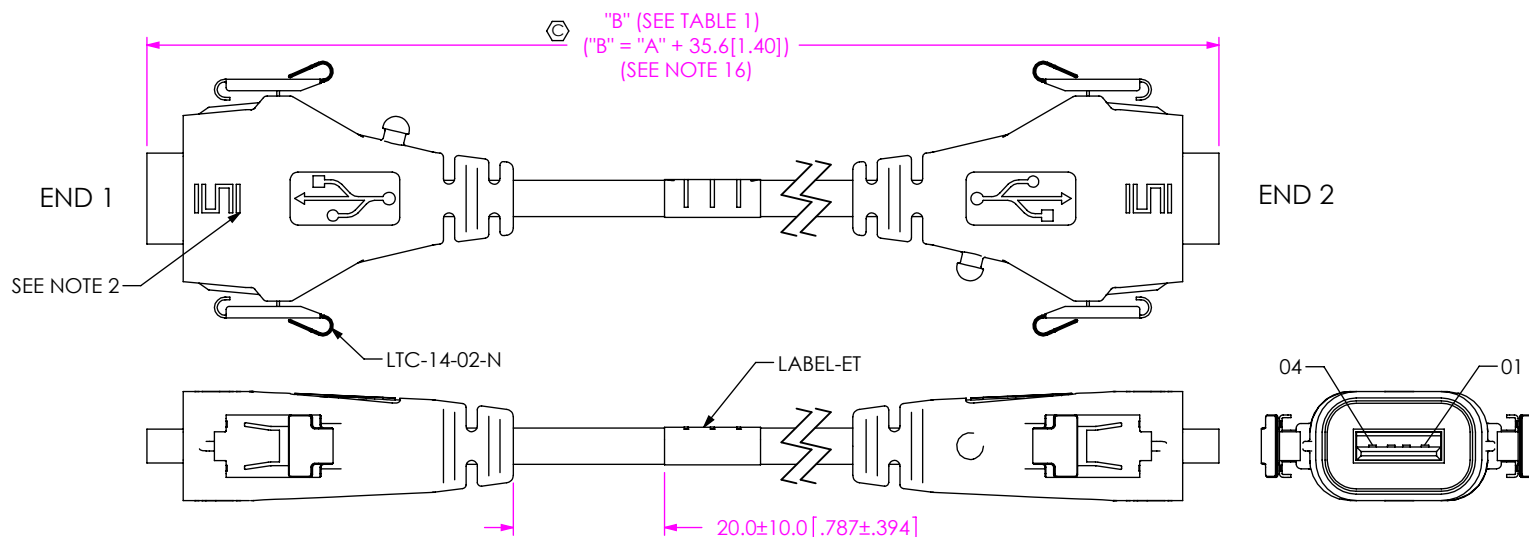
NOTE:

A *-02.00 AND -03.00 ARE CATALOG
STANDARD LENGTHS, FOR OTHER
LENGTHS CONTACT SAMTEC

END 2 OPTION

-AMS: USB A SEALED
(USB A SEALED ONLY)
(SHEET 1, FIG. 1)
-AM: USB A NOT SEALED
(USB A END NOT SEALED ONLY)
(SEE SHEET 2, FIG. 2)
-BC: BLUNT CUT (SEE SHEET 2, FIG. 3)
-BM: USB B NOT SEALED
(USB B END NOT SEALED)
(SEE SHEET 3, FIG. 4)
-BMS: USB B SEALED
(USB B SEALED ONLY)
(SHEET 3, FIG. 5)

END 1 OPTION

-AMS: SEALED USB A
(USB A END SEALED ONLY)
-BMS: SEALED USB B
(USB B END SEALED ONLY)DO NOT
SCALE FROM
THIS PRINT

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. SAMTEC LOGO TO APPEAR ON SURFACE AS SHOWN, APPROXIMATELY 6.00[.236] X 3.75[.148].
3. MOLDED SURFACES SHALL BE CONSISTENT AND SMOOTH. SURFACES TO BE FREE OF SCRATCHES, NICKS, SINK AREAS, VOIDS, OR OTHER BLEMISHES.
4. ALL MULTIPLE CAVITY MOLDS SHALL IDENTIFY EACH CAVITY WITH A NUMBER DESIGNATION LOCATED WHERE SHOWN.
5. ALL IDENTIFICATION MARKS SHALL NOT STAND GREATER THAN 0.05[.002] OFF THE SURFACE OF THE PART.
6. MOLD TO BE INSERTED TO ACCEPT DIFFERENT CABLE DIAMETERS.
7. SURFACE TO BE RECESSED 0.22[.009].
8. USB LOGO TO BE RAISED 0.25[.010].
9. USB LOGO'S TO BE ALIGNED TO USB CONNECTORS AS SHOWN.
10. LENGTHS GREATER THAN 05.00M[196.850] ARE NOT SUPPORTED BY USB 2.0 TEST DATA.
11. ASSEMBLY TO BE 100% ELECTRICALLY TESTED FOR OPENS AND SHORTS. HI-POT TESTED AT 200V BEFORE PREMOLD AND AFTER FINAL ASSEMBLY. AFTER FINAL ELECTRICAL TEST, LABEL EACH ASSEMBLY WITH 1 LABEL-ET.
12. ALL EJECTION 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[.005] MAX UNLESS OTHERWISE STATED.
16. TOLERANCE SHALL BE ± 2% FOR ALL LENGTHS.
17. MINIMUM LATCH PUSH OUT FORCE: 2.2N[.50LB].
18. THIS IS A COMPONENT OF USBP-A-01-G-B-01 (CALLED OUT ON THE BOM), BUT LABELED INDIVIDUALLY FOR ASSEMBLY PURPOSES.
19. THIS IS A COMPONENT OF USBP-B-01-G-B-01 (CALLED OUT ON THE BOM), BUT LABELED INDIVIDUALLY FOR ASSEMBLY PURPOSES.
20. ASSEMBLY TO BE SHIPPED IN BULK PACKAGED WITH FP-TAILPAK-M ON EACH END.
21. REFERENCE CO-AU-WI-3032-M FOR WORKMANSHIP.
22. ANY CHANGE MADE TO -AM & -BM OVERMOLD MUST BE MADE TO SCPU-17-XX.XX-XXX-XXX.
23. THIS IS A COMPONENT OF USBP-B-02-G-B-01 (CALLED OUT ON THE BOM), BUT LABELED INDIVIDUALLY FOR ASSEMBLY PURPOSES.

F:\DWG\MISC\WKTG\RCU-X-XX.XX-XXX-XXX-MKT.SLDDRW

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN MILLIMETERS.

TOLERANCES ARE:

DECIMALS ANGLES
X.X: ±0.3 [.01] 2°
X.XX: ±0.13 [.005]
X.XXX: ±0.051 [.0020]

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PURPOSE OTHER THAN THAT WHICH IT WAS
OBTAINED WITHOUT THE EXPRESSED WRITTEN
CONSENT OF SAMTEC, INC.MATERIAL: DO NOT SCALE DRAWING
INSULATOR: GLASS FILLED THERMOPLASTIC
CONTACT: PHOS BRONZE
SHIELD: PHOS BRONZE
SEALED PREMOLD: PBT-CR-SK662
SEALED OVERMOLD: PA66 GF13FR (70G13L), MAX REGRIND: 10%
NON-SEALED OVERMOLD: PVC, MAX REGRIND: 30%

SHEET SCALE: 1:1

samtec520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:

RECTANGULAR CABLE USB

DWG. NO.

RCU-X-XX.XX-XXX-XXX

BY: T NEWTON 02/17/2010

SHEET 1 OF 12

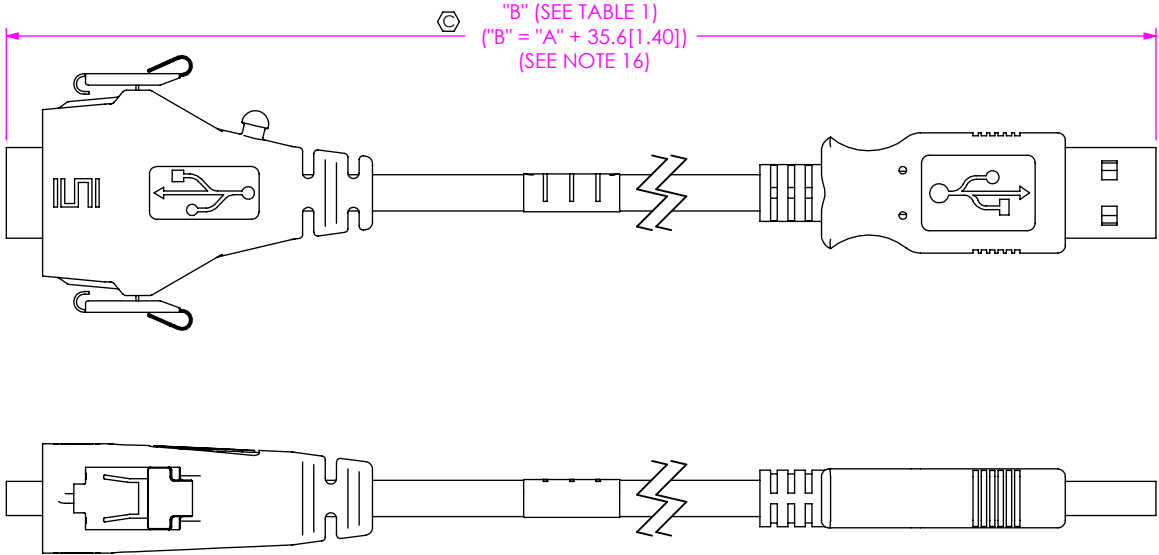


FIG. 2
RCU-X-XX.XX-AMS-AM SHOWN
(SAME AS FIG. 1, EXCEPT AS SHOWN)

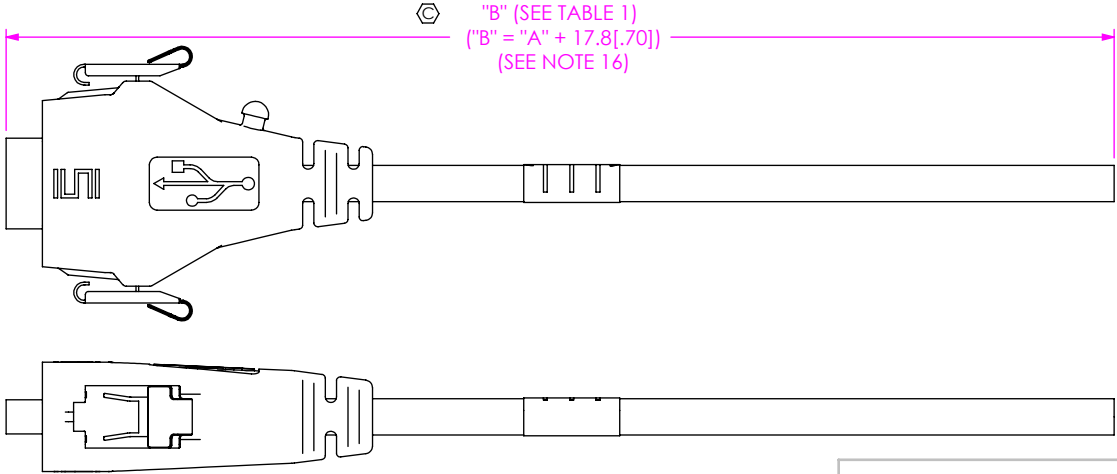


FIG. 3
RCU-X-XX.XX-AMS-BC SHOWN
(SAME AS FIG. 1, EXCEPT AS SHOWN)

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SHEET SCALE: 1:1

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e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
RECTANGULAR CABLE USB

DWG. NO.
RCU-X-XX.XX-XXX-XXX

BY: T NEWTON 02/17/2010 SHEET 2 OF 12

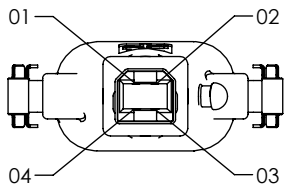
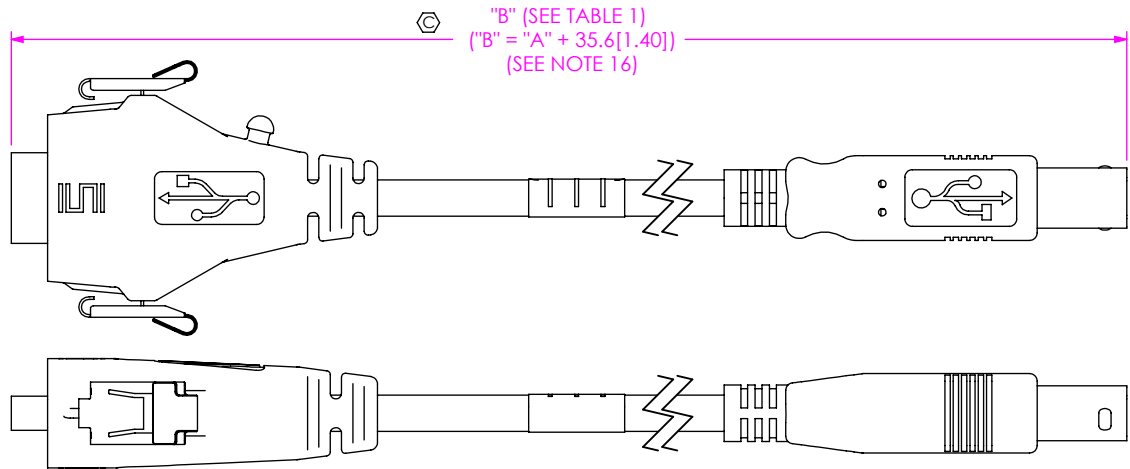
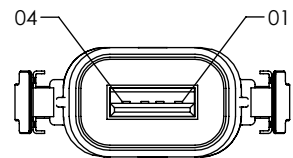


FIG. 4
RCU-X-XX.XX-AMS-BM SHOWN
(SAME AS FIG. 1, EXCEPT AS SHOWN)

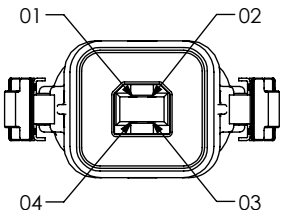
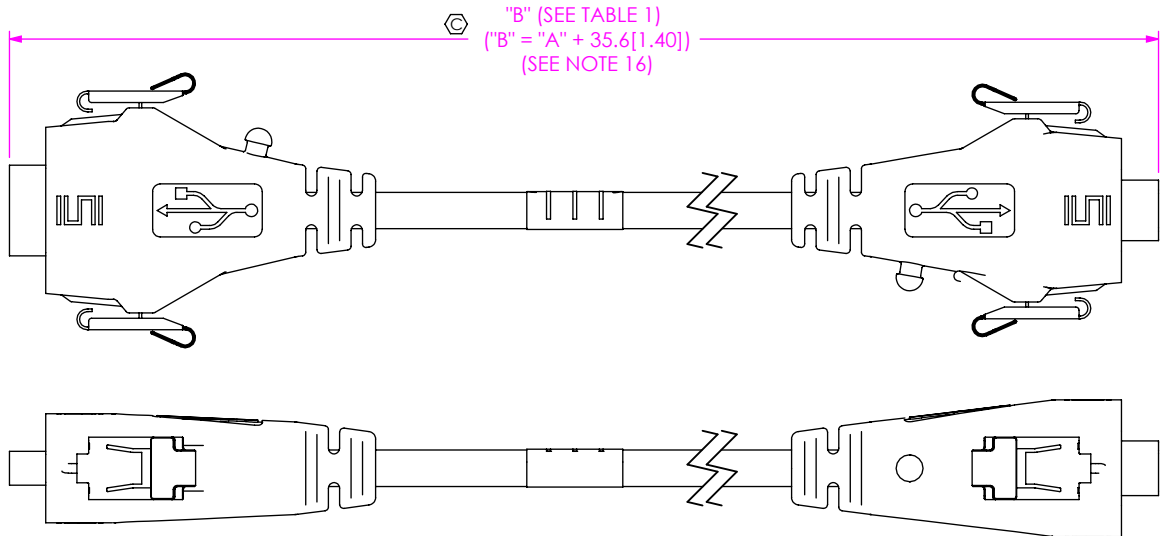
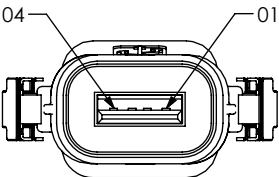


FIG. 5
RCU-X-XX.XX-AMS-BMS SHOWN
(SAME AS FIG. 1, EXCEPT AS SHOWN)

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DESCRIPTION:
RECTANGULAR CABLE USB

DWG. NO.
RCU-X-XX.XX-XXX-XXX

BY: T NEWTON 02/17/2010 SHEET 3 OF 12

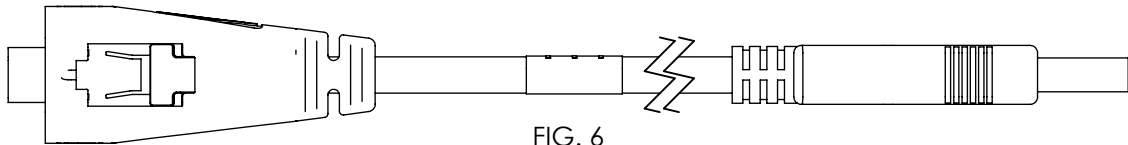
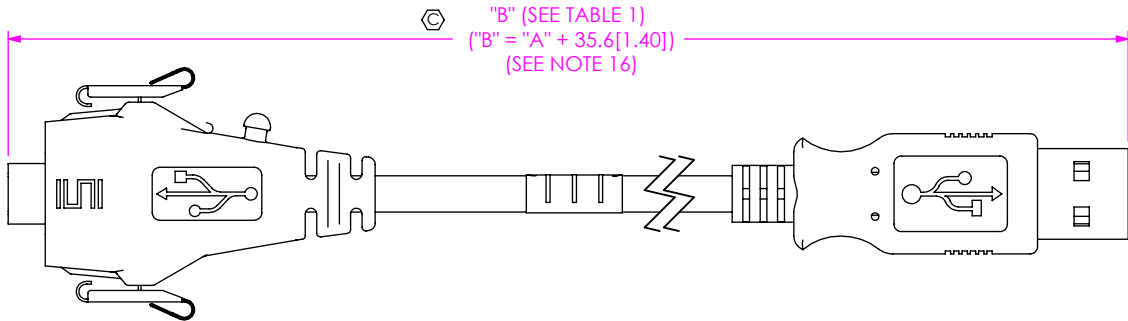
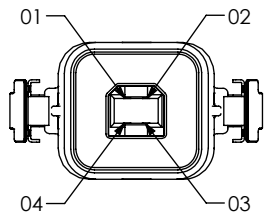


FIG. 6
RCU-X-XX.XX-BMS-AM SHOWN
(SAME AS FIG. 1, EXCEPT AS SHOWN)

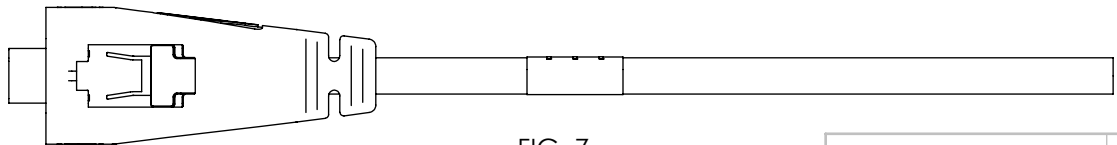
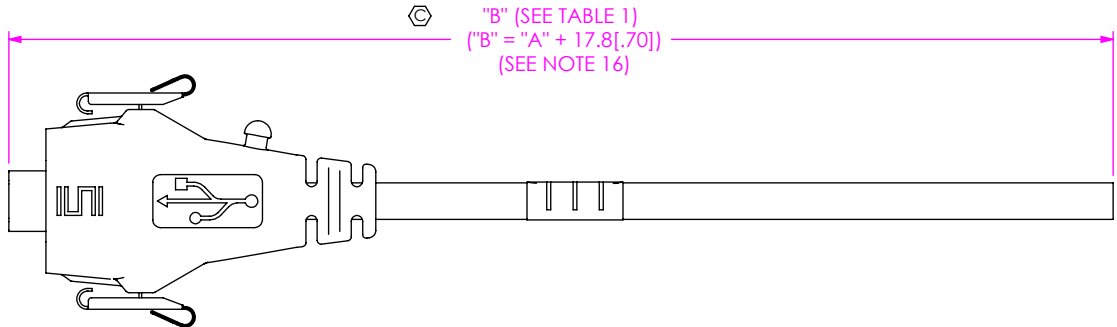
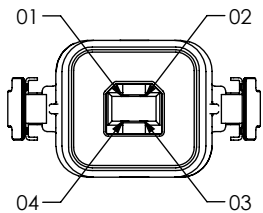
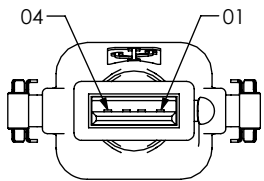


FIG. 7
RCU-X-XX.XX-BMS-BC SHOWN
(SAME AS FIG. 1, EXCEPT AS SHOWN)

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DESCRIPTION:	RECTANGULAR CABLE USB
DWG. NO.	RCU-X-XX.XX-XXX-XXX
BY: T NEWTON 02/17/2010	SHEET 4 OF 12

REVISION A

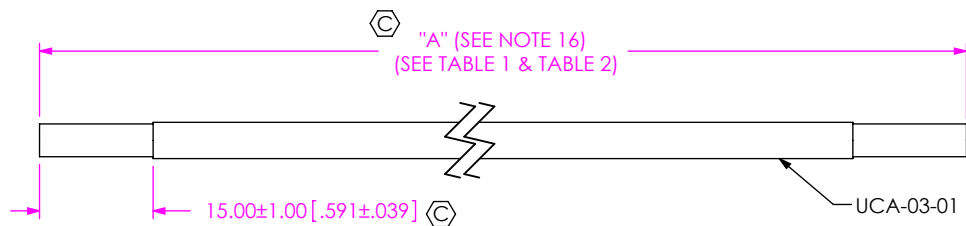
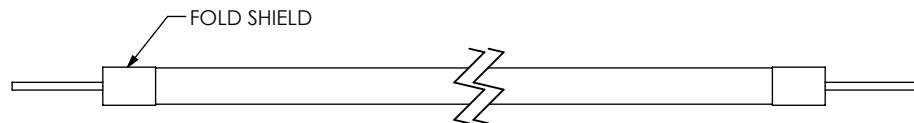
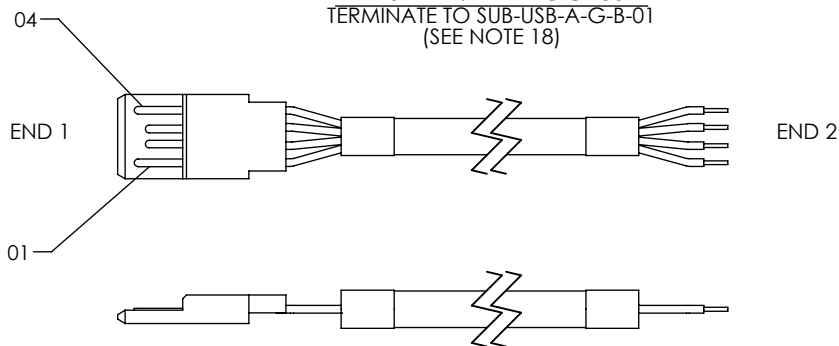
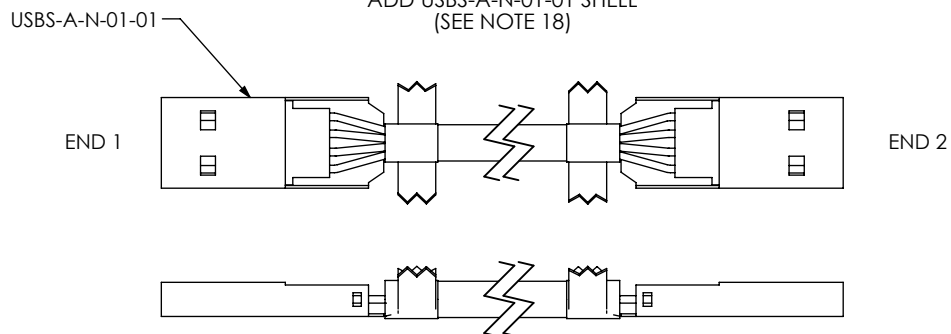
IN-PROCESS 1
CUT CABLE TO LENGTH AND STRIP OUTER JACKETIN-PROCESS 2
FOLD SHIELD BACK AND REMOVE FOIL-AMS-XXX: IN-PROCESS 4
TERMINATE TO SUB-USB-A-G-B-01
(SEE NOTE 18)-AMS-XXX: IN-PROCESS 6
ADD USB-A-N-01-01 SHELL
(SEE NOTE 18)

TABLE 2

END OPTION	"A"
AMS	LENGTH IN MILLIMETERS
AM	LENGTH IN MILLIMETERS
BC	(LENGTH IN MILLIMETERS X 2) + 50.0[2.00]
BM	LENGTH IN MILLIMETERS
BMS	LENGTH IN MILLIMETERS

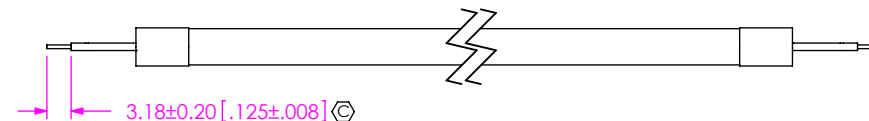
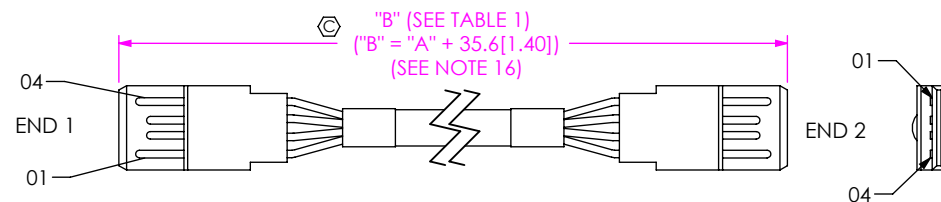
IN-PROCESS 3
STRIP INDIVIDUAL WIRES AND DIP IN TIN-AMS-XXX: IN-PROCESS 5
TERMINATE SECOND END TO SUB-USB-A-G-B-01
(SEE NOTE 18)

TABLE 3

END 1 POS	WIRE COLOR	END 2 POS
01	RED	01
02	WHITE	02
03	GREEN	03
04	BLACK	04

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e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:

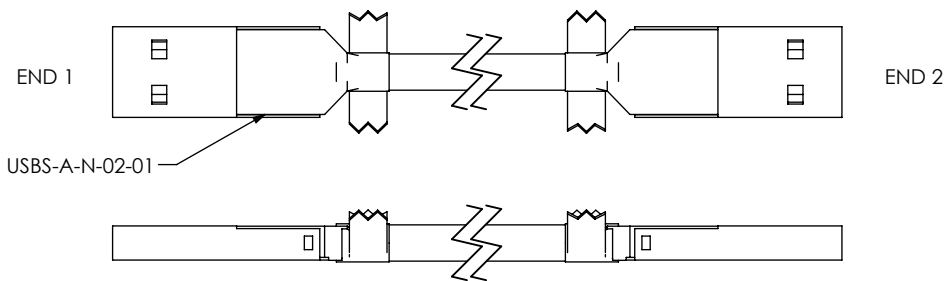
RECTANGULAR CABLE USB

DWG. NO.

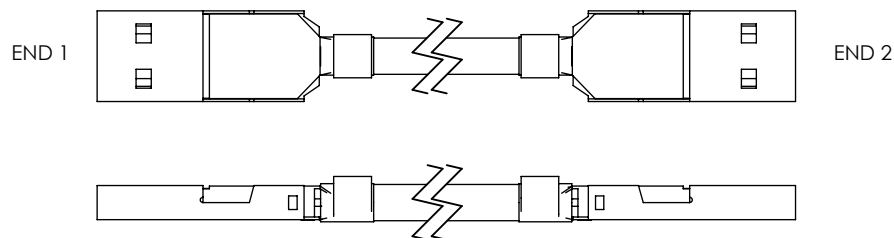
RCU-X-XX.XX-XXX-XXX

BY: T NEWTON 02/17/2010 SHEET 5 OF 12

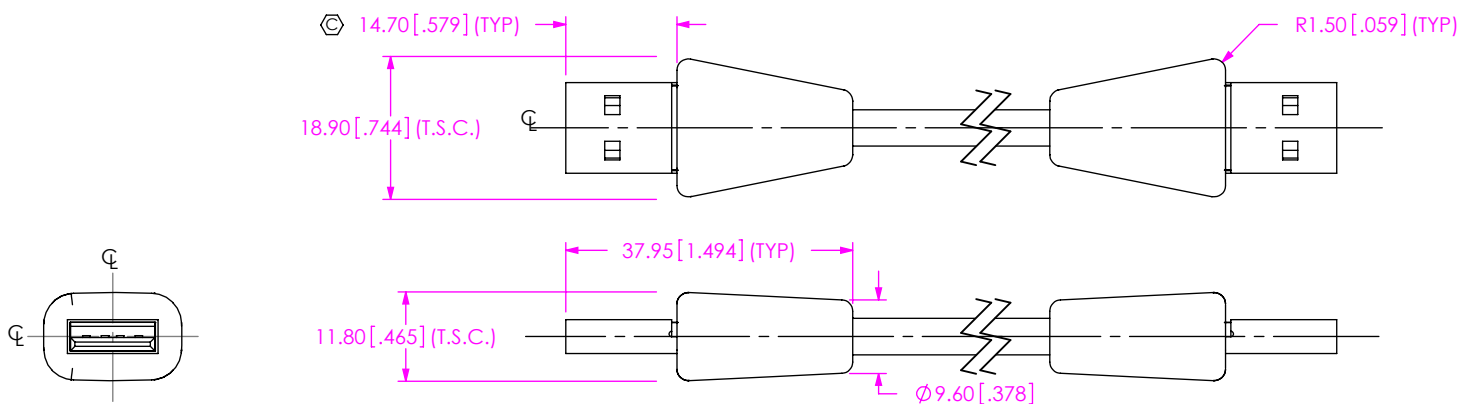
-AMS-XXX: IN-PROCESS 7
ADD USBS-A-N-02-01 SHELL
(SEE NOTE 18)



-AMS-XXX: IN-PROCESS 8
CRIMP SHELLS OVER BRAID AND TRIM EXCESS SHIELD



-AMS-AMS: IN-PROCESS 9
PREMOLD



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e-Mail info@SAMTEC.com code 55322

DESCRIPTION:

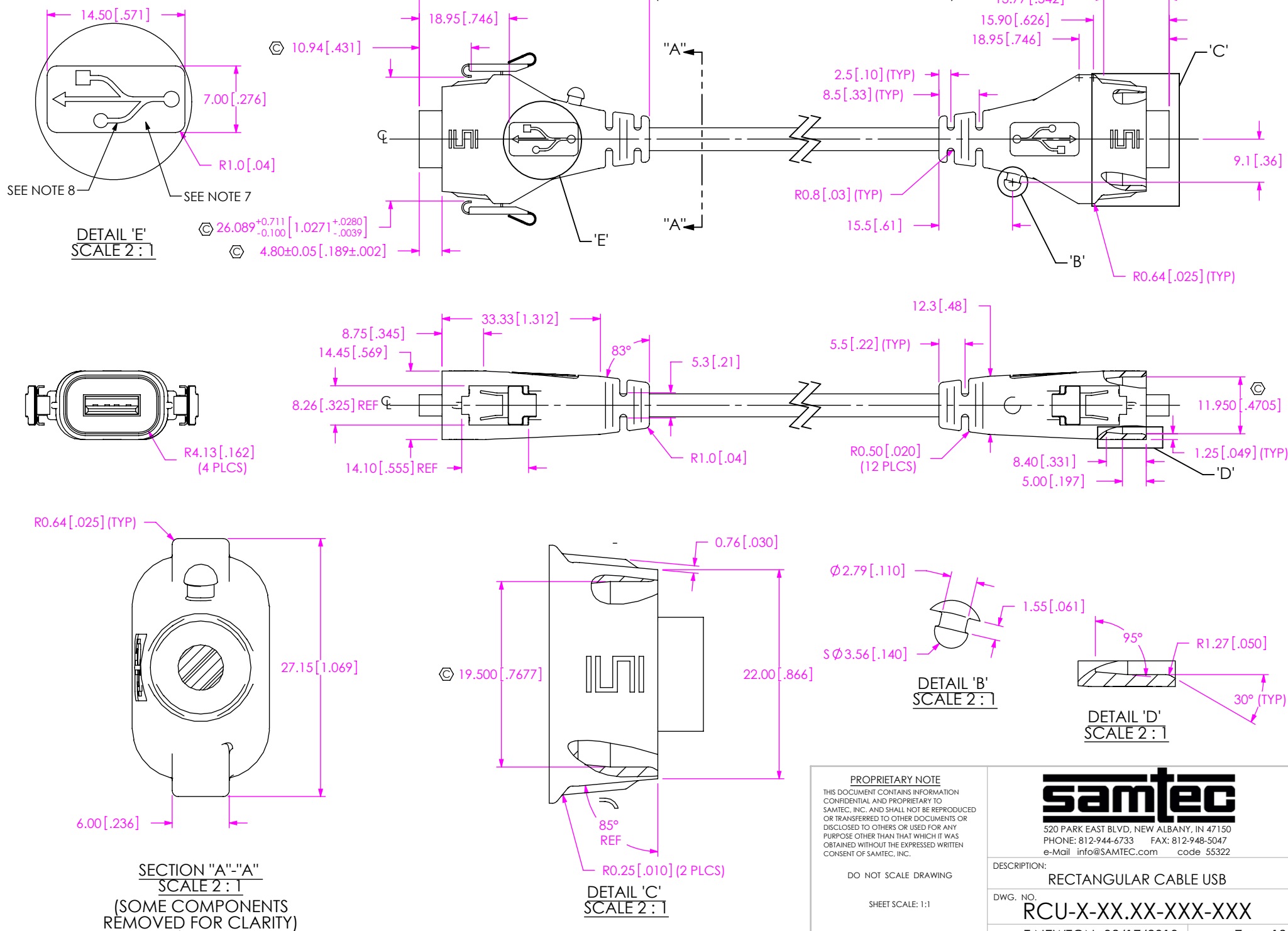
RECTANGULAR CABLE USB

DWG. NO.

RCU-X-XX.XX-XXX-XXX

BY: T NEWTON 02/17/2010

SHEET 6 OF 12



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SHEET SCALE: 1:1

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e-Mail info@SAMTEC.com code 55322

DESCRIPTION:

RECTANGULAR CABLE USB

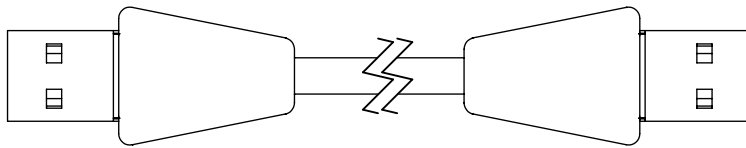
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RCU-X-XX.XX-XXX-XXX

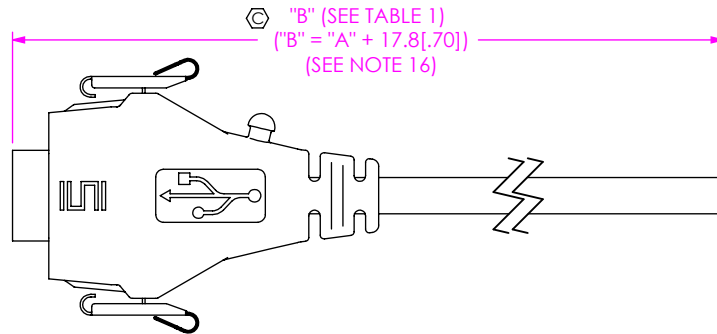
BY: T NEWTON 02/17/2010

SHEET 7 OF 12

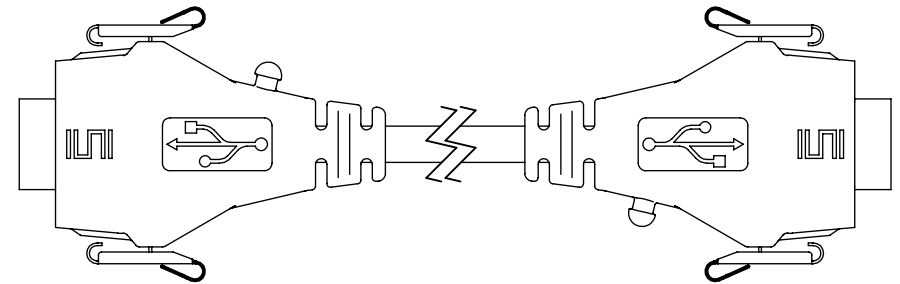
-AMS-BC: IN-PROCESS 9
PREMOLD
(SAME AS -AMS-AMS: IN-PROCESS 9, EXCEPT AS SHOWN)



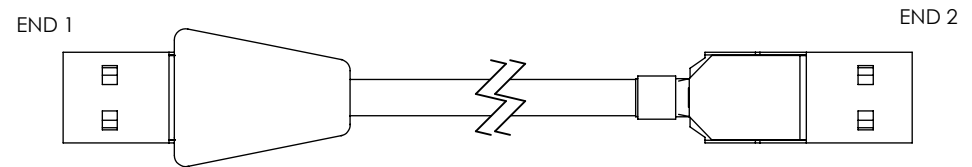
-AMS-BC: IN-PROCESS 11
CUT CABLE IN HALF AND TRIM TO LENGTH



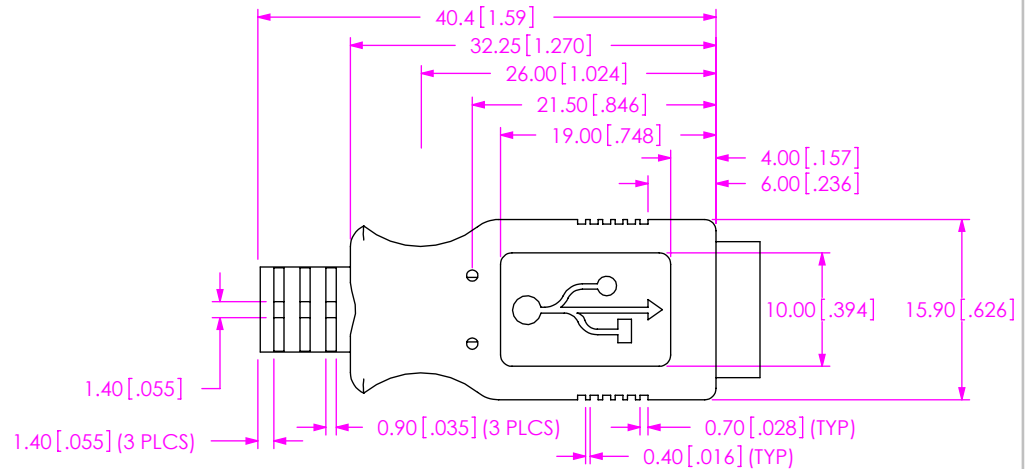
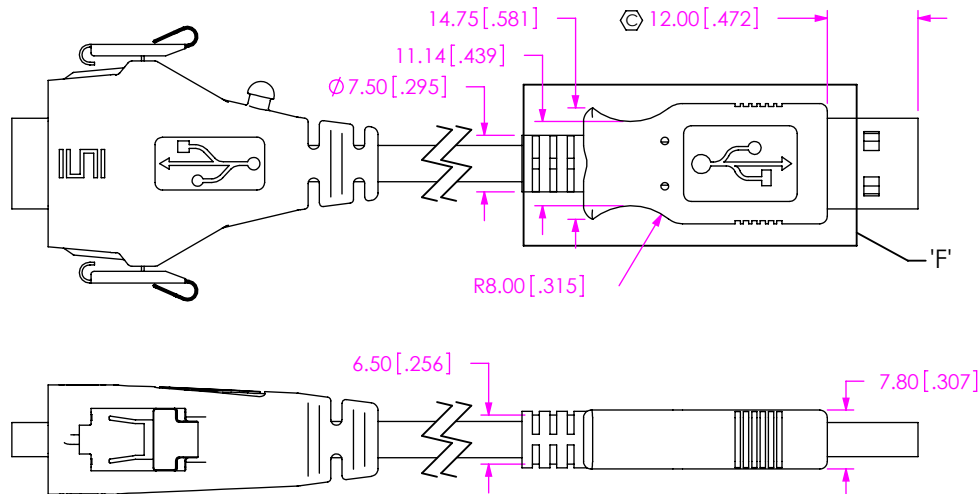
-AMS-BC: IN-PROCESS 10
OVERMOLD
(SAME AS -AMS-AMS: IN-PROCESS 10, EXCEPT AS SHOWN)



-AMS-AM: IN-PROCESS 9
PREMOLD
(SAME AS -AMS-AMS: IN-PROCESS 9, EXCEPT AS SHOWN)



-AMS-AM: IN-PROCESS 10
OVERMOLD
(SAME AS -AMS-AMS: IN-PROCESS 10, EXCEPT AS SHOWN)



DETAIL 'F'
SCALE 1.5:1
(SEE NOTE 22)

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SHEET SCALE: 1:1

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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:

RECTANGULAR CABLE USB

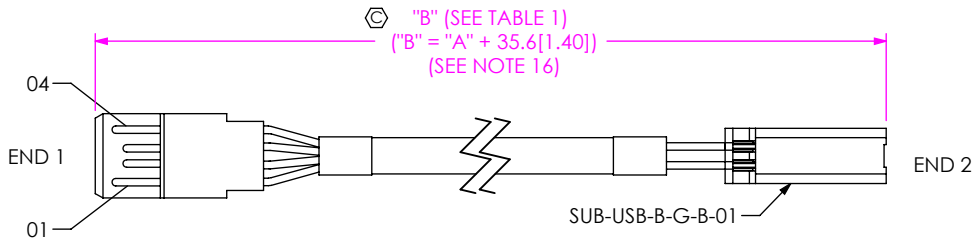
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RCU-X-XX.XX-XXX-XXX

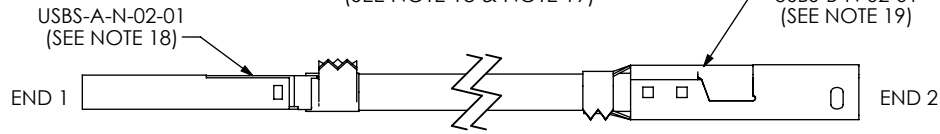
BY: T NEWTON 02/17/2010 SHEET 8 OF 12

REVISION A

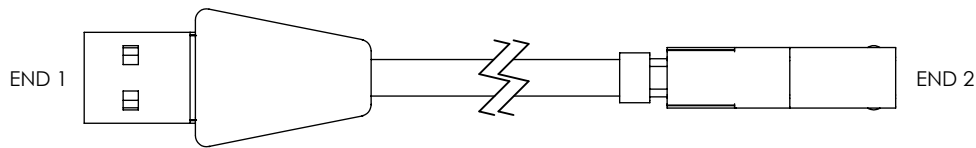
-AMS-BM: IN-PROCESS 5
TERMINATE SECOND END TO SUB-USB-B-G-B-01
(SAME AS -AMS-XXX: IN-PROCESS 5, EXCEPT AS SHOWN)
(SEE NOTE 18 & NOTE 19)



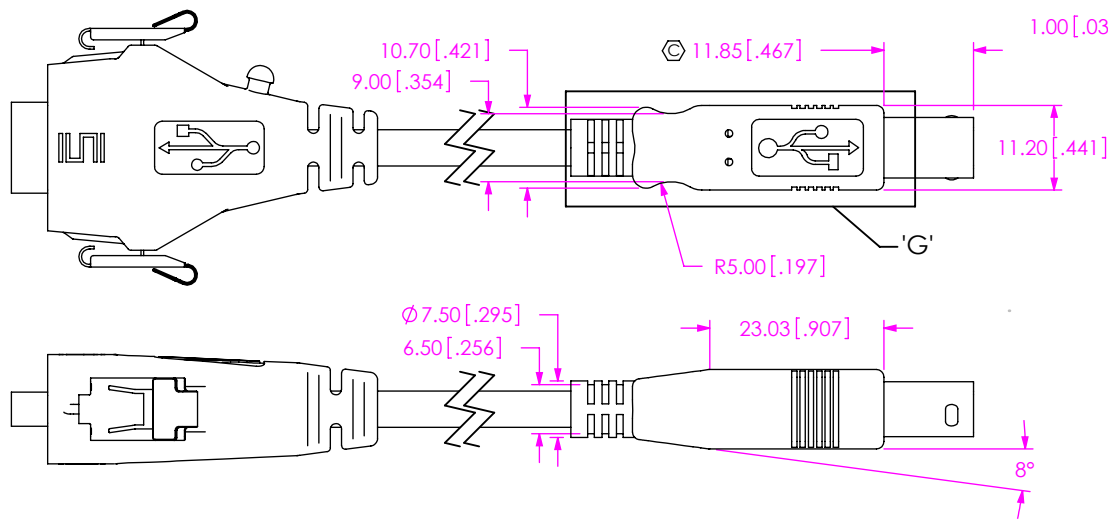
-AMS-BM: IN-PROCESS 7
ADD USB-A-N-02-01 & USB-B-N-02-01 SHELLS
(SAME AS -AMS-XXX: IN-PROCESS 7, EXCEPT AS SHOWN)
(SEE NOTE 18 & NOTE 19)



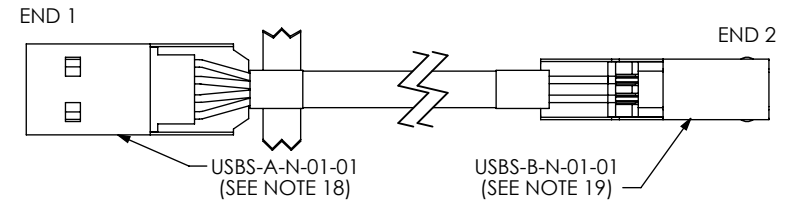
-AMS-BM: IN-PROCESS 9
PREMOLD
(SAME AS -AMS-AMS: IN-PROCESS 9, EXCEPT AS SHOWN)



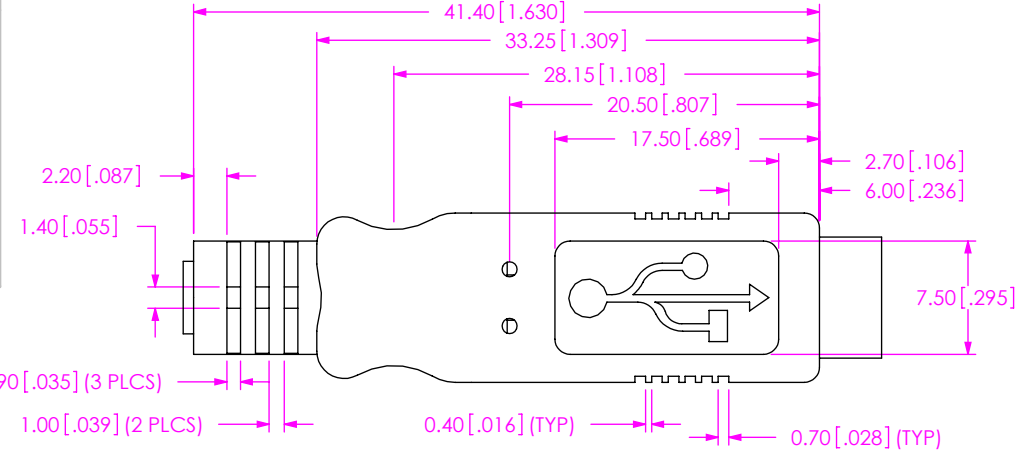
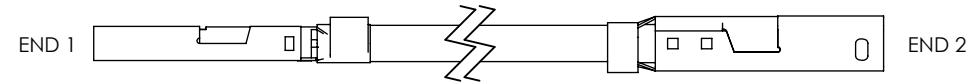
-AMS-BM: IN-PROCESS 11
OVERMOLD
(SAME AS -AMS-AMS: IN-PROCESS 10, EXCEPT AS SHOWN)



-AMS-BM: IN-PROCESS 6
ADD USB-A-N-01-01 & USB-B-N-01-01 SHELLS
(SAME AS -AMS-XXX: IN-PROCESS 6, EXCEPT AS SHOWN)
(SEE NOTE 18 & NOTE 19)



-AMS-BM: IN-PROCESS 8
CRIMP SHELLS OVER BRAID AND TRIM EXCESS SHIELD
(SAME AS -AMS-XXX: IN-PROCESS 8, EXCEPT AS SHOWN)



DETAIL 'G'
SCALE 2:1
(SEE NOTE 22)

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SHEET SCALE: 1:1

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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:

RECTANGULAR CABLE USB

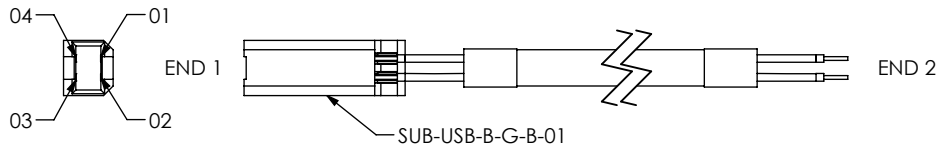
DWG. NO.

RCU-X-XX.XX-XXX-XXX

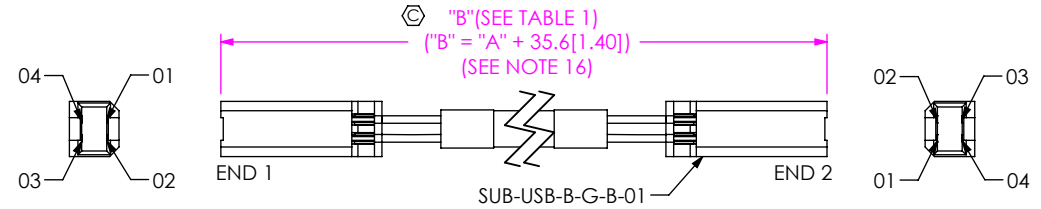
BY: T NEWTON 02/17/2010

SHEET 9 OF 12

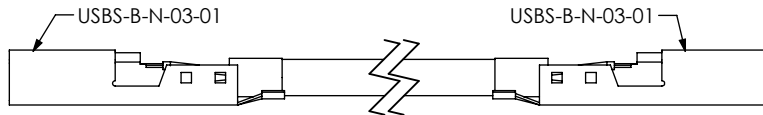
-BMS-XXX: IN-PROCESS 4
TERMINATE TO SUB-USB-B-G-B-01
(SAME -AMS-XXX: IN-PROCESS 4, EXCEPT AS SHOWN)
(SEE NOTE 23)



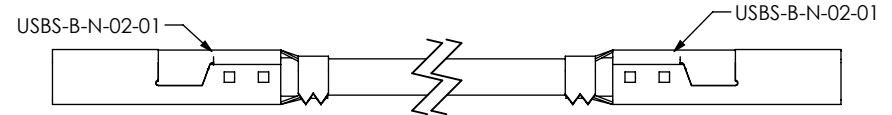
-BMS-BC: IN-PROCESS 5
TERMINATE TO SUB-USB-B-G-B-01
(SAME AS -AMS-AMS: IN-PROCESS 5, EXCEPT AS SHOWN)
(SEE NOTE 23)



-BMS-BC: IN-PROCESS 6
ADD USBS-B-N-03-01
(SAME AS -AMS-AMS: IN-PROCESS 6, EXCEPT AS SHOWN)
(SEE NOTE 23)



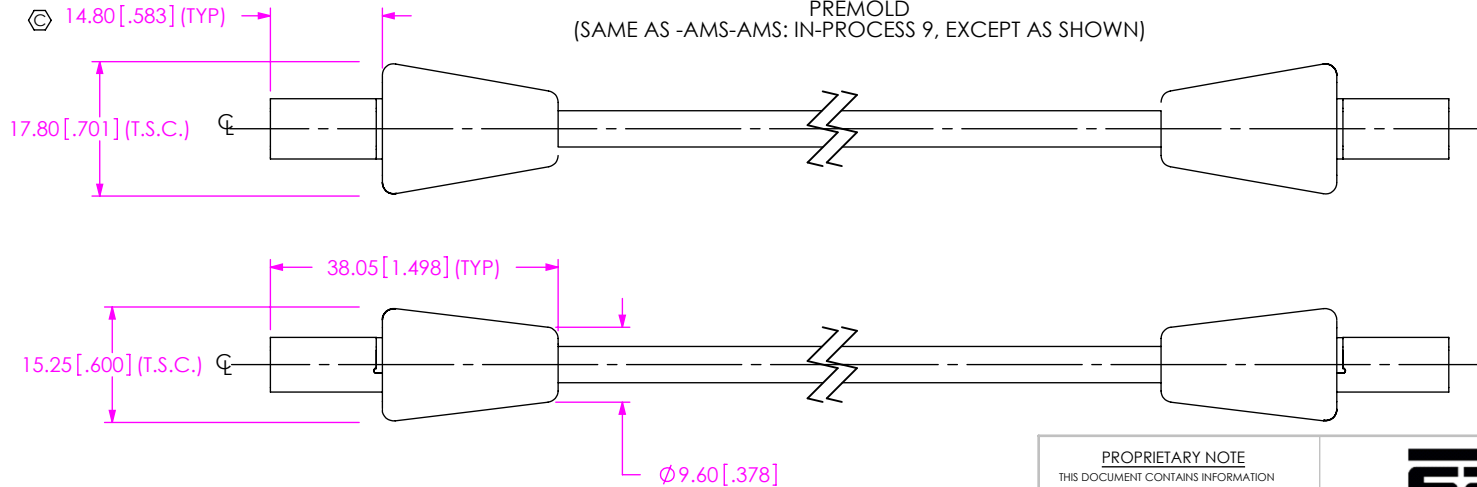
-BMS-BC: IN-PROCESS 7
ADD USBS-B-N-02-02
(SAME AS -AMS-AMS: IN-PROCESS 7, EXCEPT AS SHOWN)
(SEE NOTE 23)



-BMS-BC: IN-PROCESS 8
CRIMP SHELLS OVER BRAID AND TRIM SHIELD
(SAME AS -AMS-AMS: IN-PROCESS 8, EXCEPT AS SHOWN)



-BMS-BC: IN-PROCESS 9
PREMOLD
(SAME AS -AMS-AMS: IN-PROCESS 9, EXCEPT AS SHOWN)



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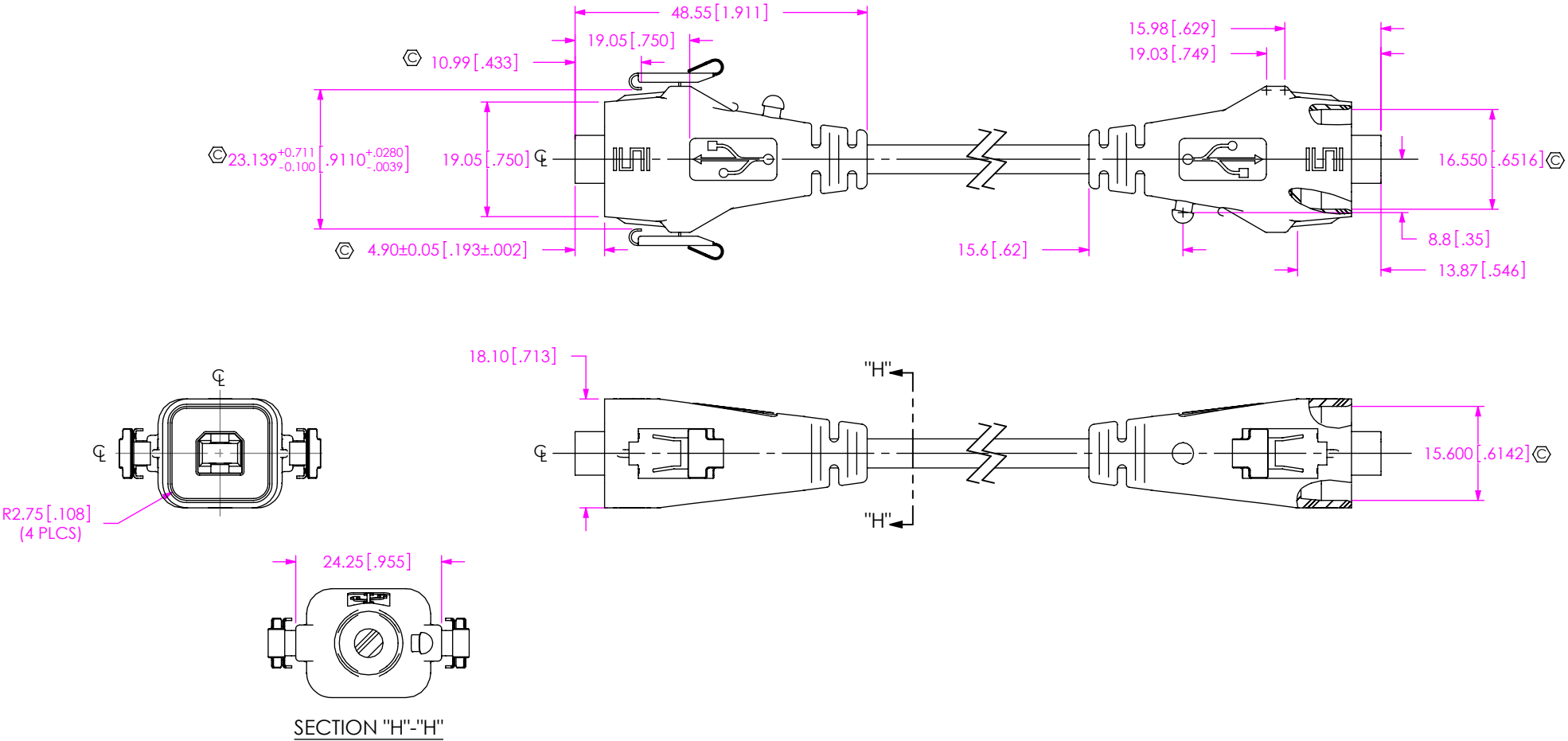
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
RECTANGULAR CABLE USB

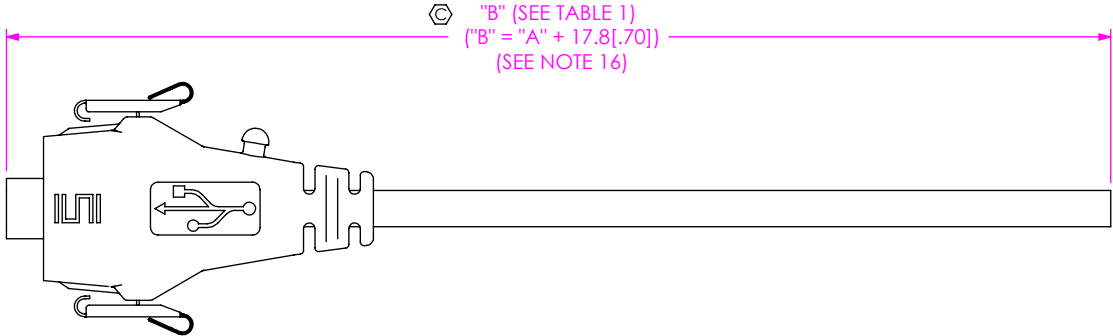
DWG. NO.
RCU-X-XX.XX-XXX-XXX

BY: T NEWTON 02/17/2010 SHEET 10 OF 12

-BMS-BC: IN-PROCESS 10
OVERMOLD
(SAME AS -AMS-AMS: IN-PROCESS 10, EXCEPT AS SHOWN)

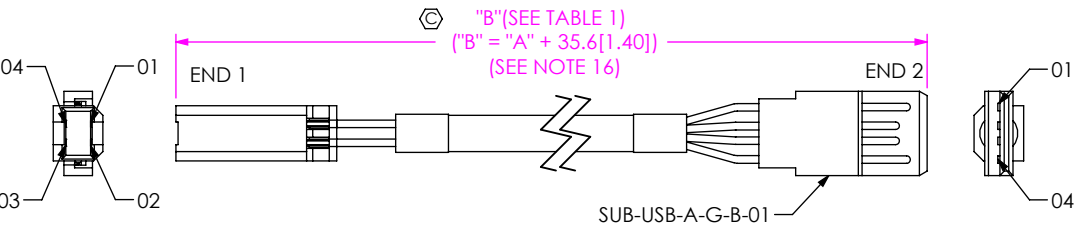


-BMS-BC: IN-PROCESS 11
CUT CABLE IN HALF AND TRIM TO LENGTH

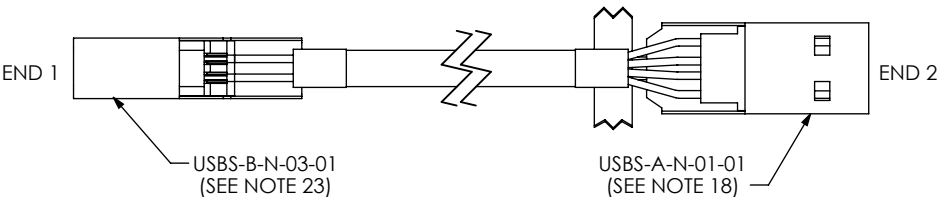


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	<p>520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com code 55322</p>
	<p>DESCRIPTION:</p> <p>RECTANGULAR CABLE USB</p>
	<p>DWG. NO.</p> <p>RCU-X-XX.XX-XXX-XXX</p>
<p>BY: T NEWTON 02/17/2010 SHEET 11 OF 12</p>	

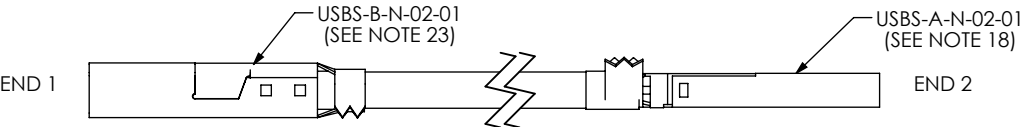
-BMS-AM: IN-PROCESS 5
TERMINATE TO SUB-USB-A-G-B-01
(SAME AS -BMS-BC: IN-PROCESS 5, EXCEPT AS SHOWN)
(SEE NOTE 18)



-BMS-AM: IN-PROCESS 6
ADD USBS-A-N-01-01 & USBS-B-N-03-01 SHELLS
(SAME AS -BMS-BC: IN-PROCESS 6, EXCEPT AS SHOWN)
(SEE NOTE 18 & NOTE 23)



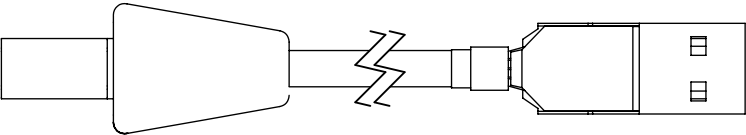
-BMS-AM: IN-PROCESS 7
ADD USBS-A-N-02-01 & USBS-B-N-02-01 SHELLS
(SAME AS -BMS-BC: IN-PROCESS 7, EXCEPT AS SHOWN)
(SEE NOTE 18 & NOTE 23)



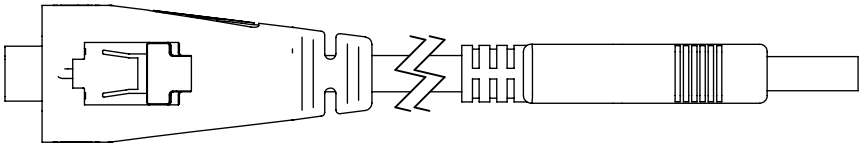
-BMS-AM: IN-PROCESS 8
CRIMP SHELLS OVER BRAID AND TRIM EXCESS SHIELD
(SAME AS -BMS-BC: IN-PROCESS 8, EXCEPT AS SHOWN)



-BMS-AM: IN-PROCESS 9
PREMOLD
(SAME AS -BMS-BC: IN-PROCESS 9, EXCEPT AS SHOWN)



-BMS-AM: IN-PROCESS 10
OVERMOLD
(SAME AS -BMS-BC: IN-PROCESS 10, EXCEPT AS SHOWN)



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e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
RECTANGULAR CABLE USB

DWG. NO.
RCU-X-XX.XX-XXX-XXX

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Mouser Electronics

Authorized Distributor

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