

| TABLE 1 | |
|-------------------------|------------|
| PART NUMBER | "B" |
| SCRUS-10-X-XX-XX-MBS-MB | 16.0 [.63] |
| SCRUS-10-X-XX-XX-MBS-AM | 25.0 [.98] |
| SCRUS-10-X-XX-XX-MBS-BC | 20.0 [.79] |
| SCRUS-10-X-XX-XX-MBS-BM | 25.0 [.98] |

DO NOT SCALE FROM THIS PRINT

SCRUS-10-X-XX.XX-XXX-XX

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

LENGTH
-XX.XX
(0.25M[9.842] MIN - 50.00M[1968.504] MAX)

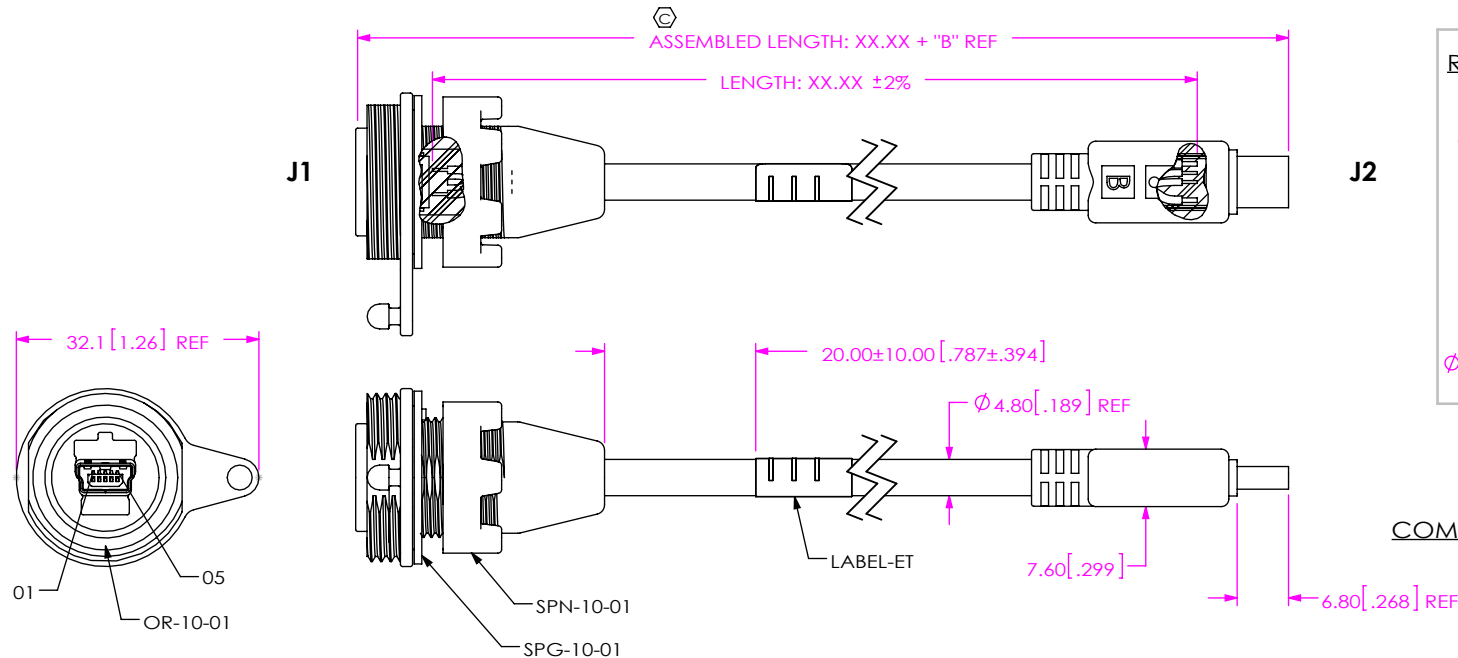
END 2 OPTIONS
-MB: MINI USB B TYPE PLUG NOT SEALED (THIS END NOT SEALED ONLY)
-BC: BLUNT CUT END (SEE SHEET 5)
-AM: USB A TYPE PLUG NOT SEALED (THIS END NOT SEALED ONLY)
-BM: USB B TYPE PLUG NOT SEALED (THIS END NOT SEALED ONLY)

END 1 OPTIONS
-MBS: MINI USB B TYPE RECEPTACLE SEALED (THIS END SEALED ONLY)

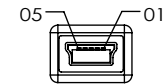
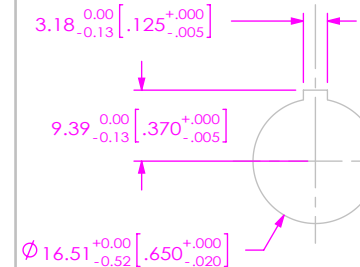
DESIGNED & DIMENSIONED IN MILLIMETERS [INCHES]

FIG 1
SCRUS-10-X-XX.XX-MBS-MB SHOWN

NOTE: - 00.25 AND - 00.50 ARE CATALOG STANDARD LENGTHS. FOR OTHER LENGTHS CONTACT SAMTEC.



RECOMMENDED PANEL HOLE (SEE NOTE 5)



COMPONENTS ON OPPOSITE END HIDDEN FOR CLARITY

NOTES:

- ⊕ REPRESENTS A CRITICAL DIMENSION.
- ⊕ ASSEMBLY TO BE 100% TESTED FOR OPENS AND SHORTS. HIGH POT TESTED AT 200V BEFORE PREMOLD IN-PROCESS AND ON FINISHED ASSEMBLY. LABEL EACH ASSEMBLY WITH 1 LABEL-ET.
- NOTE DELETED
- USB LOGO TO BE RAISED 0.25 [.010].
- PANEL THICKNESS: 0.76 [.030] - 5.21 [.205].
- ASSEMBLY TO BE BULK PACKAGED.
- TORQUE SPECIFICATION FOR SPN-10-01 IS 12 IN-LB.
- NOTE DELETED.
- ALL IDENTIFICATION MARKS MUST NOT STAND GREATER THAN 0.051 [.002] OFF THE SURFACE OF THE PART.
- NOTE DELETED.
- ALL EJECTOR PIN AND GATE LOCATIONS MUST BE APPROVED BY SAMTEC PRODUCT ENGINEERING.
- ANY ADDITIONAL VOIDING AND/OR MODIFICATIONS TO VOIDING MUST BE APPROVED BY SAMTEC PRODUCT ENGINEERING.
- NOTE DELETED.
- NOTE DELETED.
- PART MUST SCREW INTO SAMTEC PART # SCN-10-01
- PART MUST SCREW INTO SAMTEC PART # SPN-10-01
- THIS IS A COMPONENT OF USBP-A-01-G-B-01 (CALLED OUT ON THE BOM), BUT LABELED INDIVIDUALLY FOR ASSEMBLY PURPOSES.
- LENGTHS GREATER THAN 0.50 M ARE NOT SUPPORTED BY USB 2.0 TEST DATA.
- THIS IS A COMPONENT OF USBP-B-01-G-B-01 (CALLED OUT ON THE BOM), BUT LABELED INDIVIDUALLY FOR ASSEMBLY PURPOSES.
- REFER TO MD-XXX-XX-XXXX-XX FOR SAMTEC MATERIAL PART NUMBER.

F:\DWG\MISC\MKTG\SCRUS-10-X-XX.XX-XXX-XX-MKT.SLDDRW

THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.
TOLERANCES ARE:
DECIMALS ANGLES
X.X: ±0.35 [.013] 2°
X.XX: ±0.25 [.010]
X.XXX: ±0.15 [.006]

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DO NOT SCALE DRAWING SHEET SCALE: 0.75:1
INSULATOR: GLASS FILLED THERMOPLASTIC MAX FLASH ALLOWED: 0.05 [.002]
CONTACTS: COPPER ALLOY, SHIELDS: CRS MAX GATE VESTIGE: 0.05 [.002]
CABLE NUT: PA66
SEALED PREMOLD: RITFLEX 640-RD30565P62-BLACK, SHOT WEIGHT: 9.07g [.020lb]
SEALED OVERMOLD: ZYTEL PA70G13L 52-91908BK5; MAX REGRIND: 10%, SHOT WEIGHT: 10.43g [.233lb]
NON-SEALED OVERMOLD: PVC ALP-411-75-BK-2885; MAX REGRIND: 30%, SHOT WEIGHT: 6.80g [.15lb]

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:
PANEL MOUNT SEALED MINI USB CABLE
DWG. NO.
SCRUS-10-X-XX.XX-XXX-XX
BY: B. PERRY 09-01-2010 SHEET 1 OF 10

FIG 2
SCRUS-10-X-XX.XX-MBS-BC SHOWN
(SAME AS FIG 1 UNLESS OTHERWISE STATED)

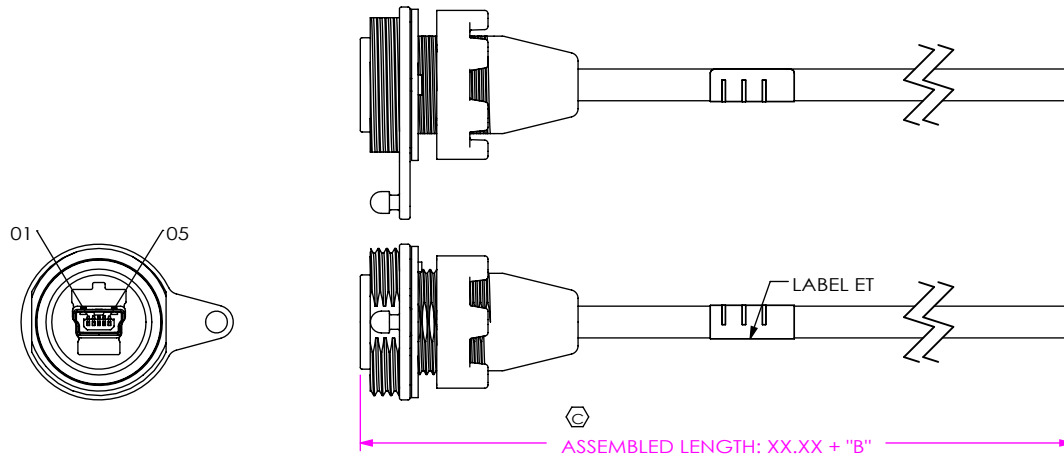


FIG 3
SCRUS-10-X-XX.XX-MBS-AM SHOWN
(SAME AS FIG 1 UNLESS OTHERWISE STATED)

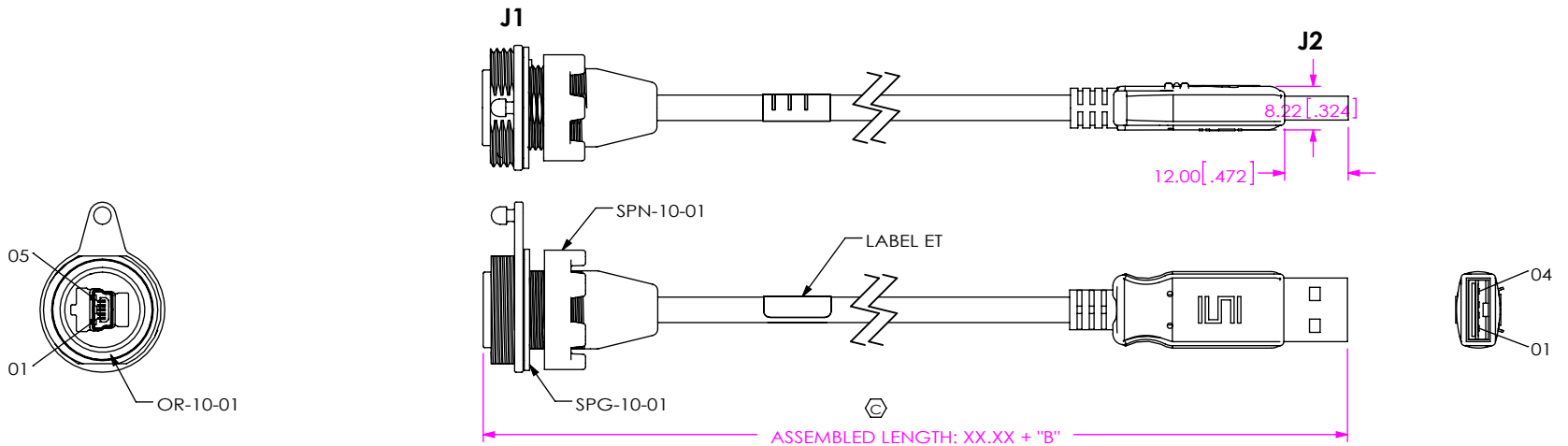


TABLE 3: PIN-OUT

| J1 End | Wire Color | J2 End | | | |
|------------|--------------------|------------|------------|------------|------------|
| -MBS | | -MB | -BC | -AM | -BM |
| 01 | RED | 01 | 01 | 01 | 01 |
| 02 | WHITE | 02 | 02 | 02 | 02 |
| 03 | GREEN | 03 | 03 | 03 | 03 |
| 04 | NOT CONNECTED | 04 | 04 | n/a | n/a |
| 05 | BLACK | 05 | 05 | 04 | 04 |
| USB Shield | DRAIN/CABLE SHIELD | USB Shield | USB Shield | USB Shield | USB Shield |

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e-Mail: info@SAMTEC.com code: 55322

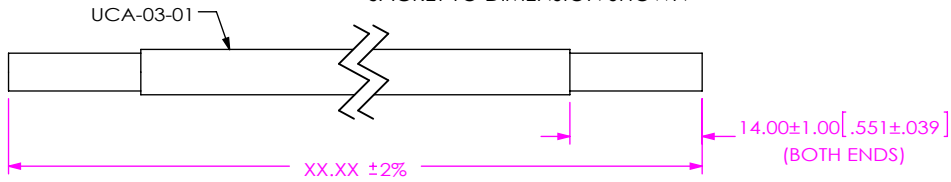
DESCRIPTION:
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DWG. NO.
SCRUS-10-X-XX.XX-XXX-XX

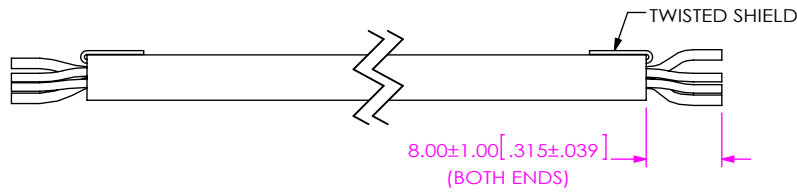
BY: B. PERRY 09-01-2010 SHEET 2 OF 10

REVISION W

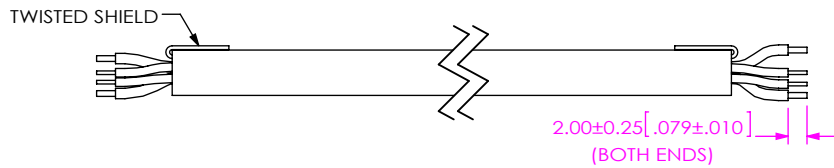
-MBS -MB END OPTIONS
IN-PROCESS 1
 CUT CABLES TO LENGTH & STRIP OUTER JACKET TO DIMENSION SHOWN



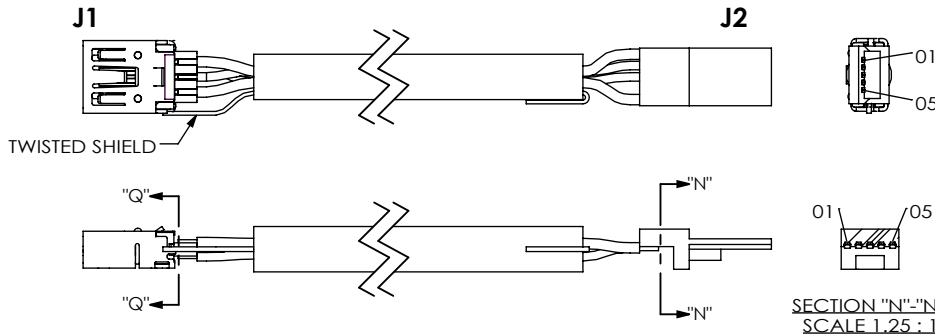
-MBS -MB END OPTIONS
IN-PROCESS 2
 TWIST SHIELD & TRIM INDIVIDUAL WIRES TO DIM SHOWN



-MBS -MB END OPTIONS
IN-PROCESS 3
 STRIP INDIVIDUAL WIRES TO DIMENSION SHOWN



-MBS -MB END OPTIONS
IN-PROCESS 4
 TERMINATE TO MUSB-05-G-B-C & SUB-MUSBP-05-B-G-C

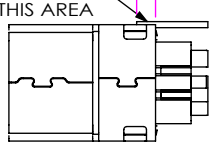


SECTION "Q"-"Q"
 SCALE 2:1

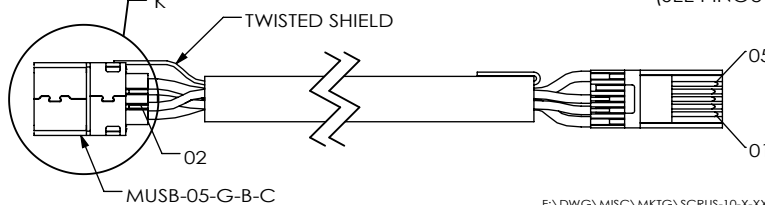
SECTION "N"-"N"
 SCALE 1.25:1

SOLDER SHIELD IN THIS AREA
 1.25 [.049] MAX

(CABLES NOT SHOWN FOR CLARITY)
 (SEE PINOUT TABLE)

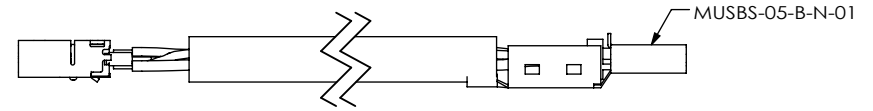


DETAIL "K"
 SCALE 2:1

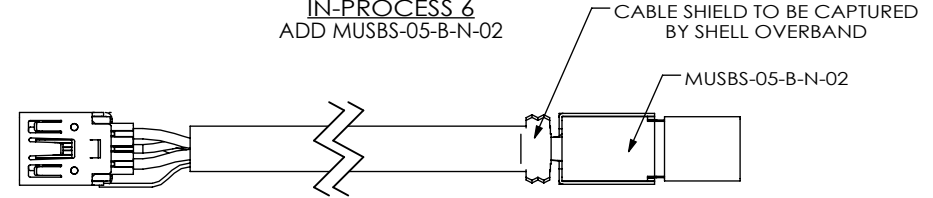


F:\DWG\MISC\MKTG\SCRUS-10-X-XX.XX-XXX-XX-MKT.SLDRW

-MBS -MB END OPTIONS
IN-PROCESS 5
 ADD MUSBS-05-B-N-01



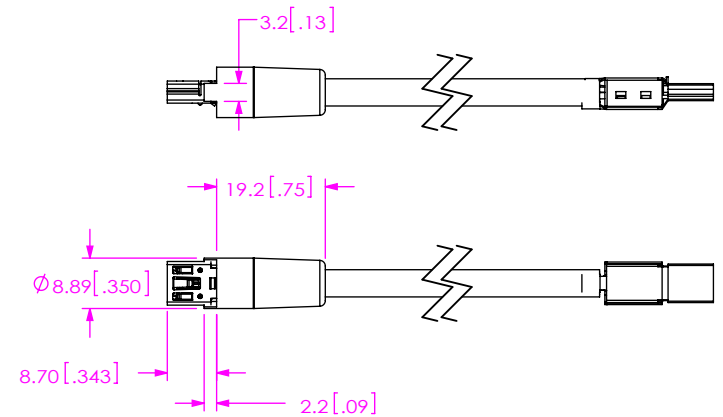
-MBS -MB END OPTIONS
IN-PROCESS 6
 ADD MUSBS-05-B-N-02



-MBS -MB END OPTIONS
IN-PROCESS 7
 CRIMP SHELLS OVERBAND & ADD TRIM EXCESS SHIELD



-MBS -MB END OPTIONS
IN-PROCESS 8
 ADD PREMOLD



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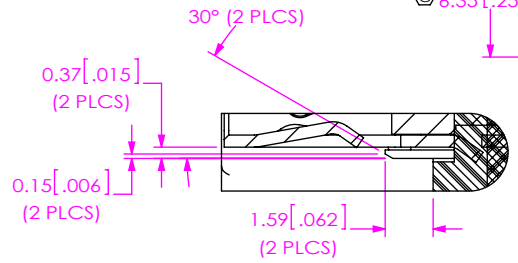
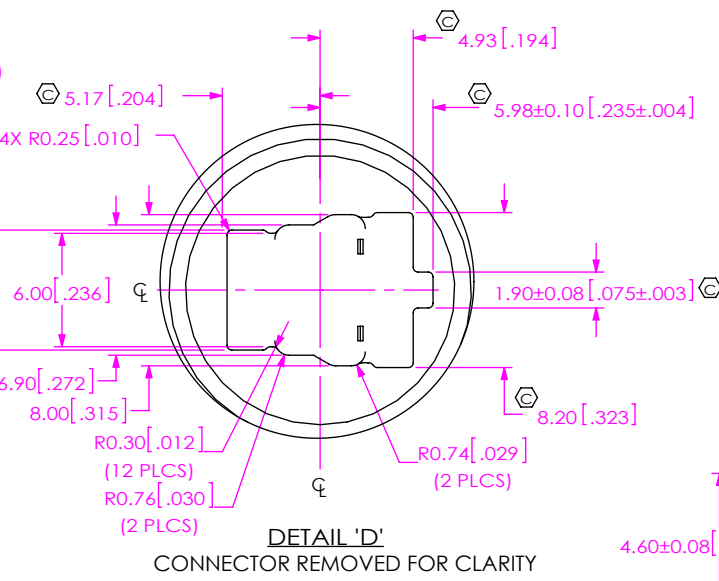
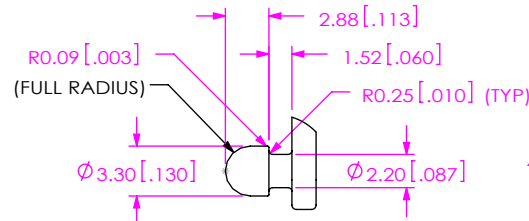
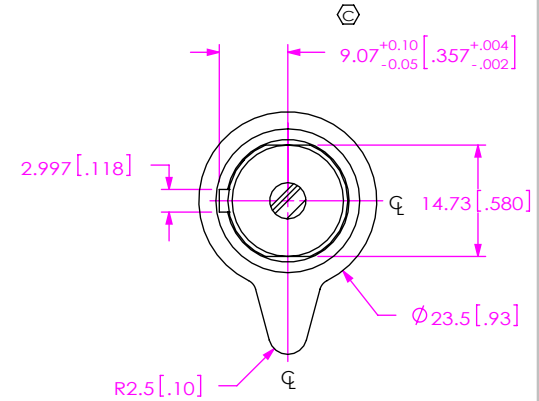
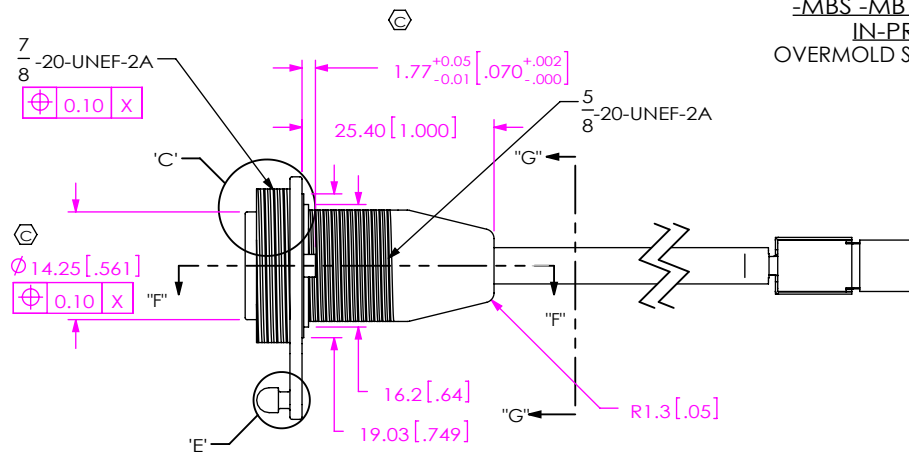
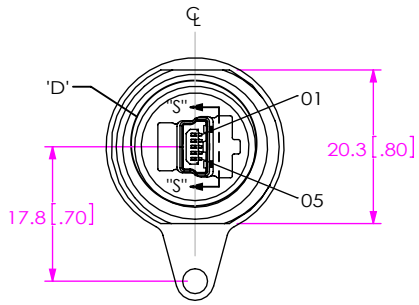
DO NOT SCALE DRAWING
 SHEET SCALE: 0.75:1



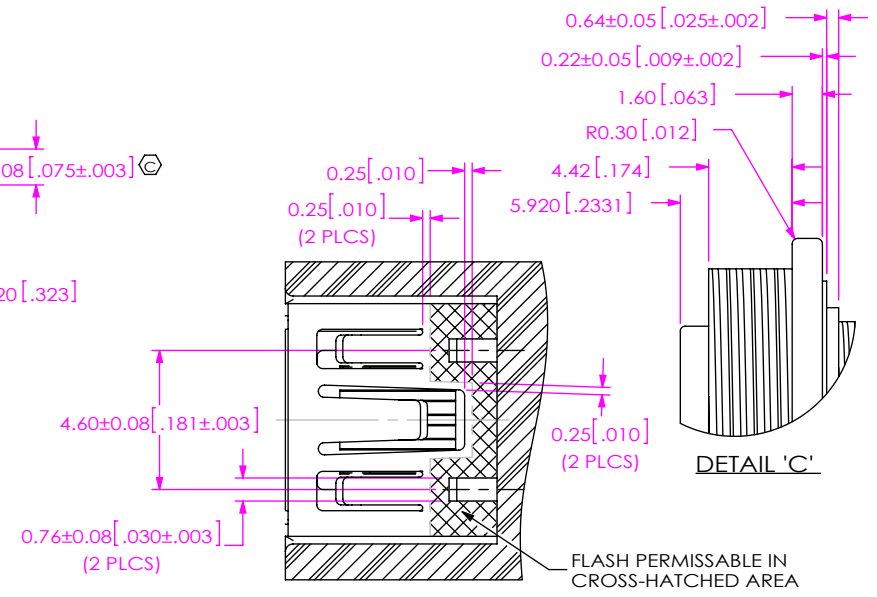
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DESCRIPTION:
 PANEL MOUNT SEALED MINI USB CABLE
 DWG. NO.
SCRUS-10-X-XX.XX-XXX-XX
 BY: B. PERRY 09-01-2010 SHEET 3 OF 10

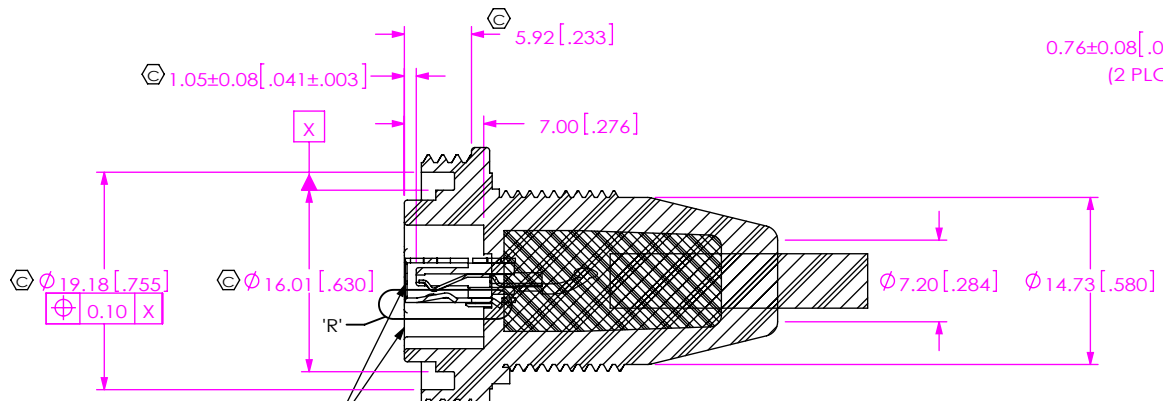
-MBS -MB END OPTIONS
IN-PROCESS 9
OVERMOLD SEALED CIRCULAR END



DETAIL 'R'
SCALE 4:1



SECTION "S"-"S"
SCALE 4:1



SECTION "F"-"F"
SCALE 1.5:1

CONNECTOR HOUSING MAY EXTEND OUTSIDE OF OVER-MOLD OR BE RECESSED INTO OVER-MOLD BY 0.25[.010] MAX.

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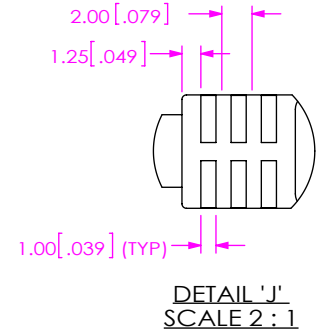
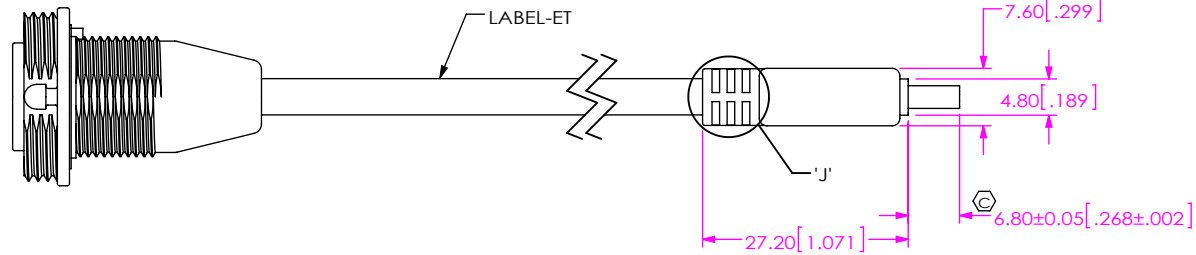
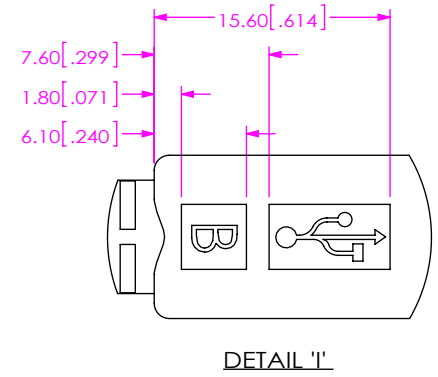
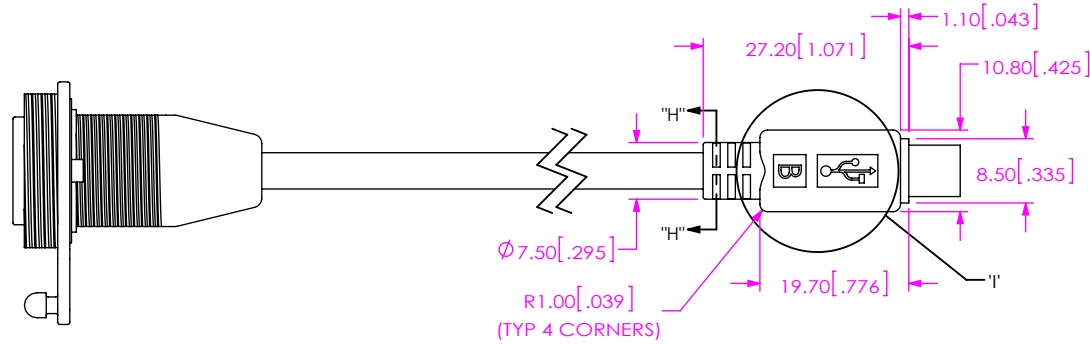
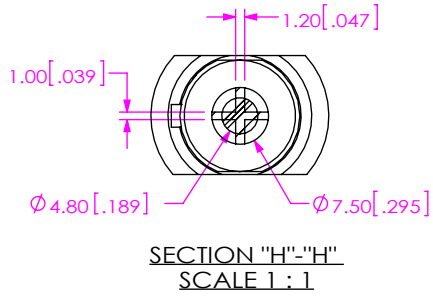
DO NOT SCALE DRAWING
SHEET SCALE: 0.75:1



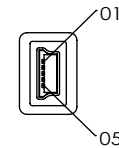
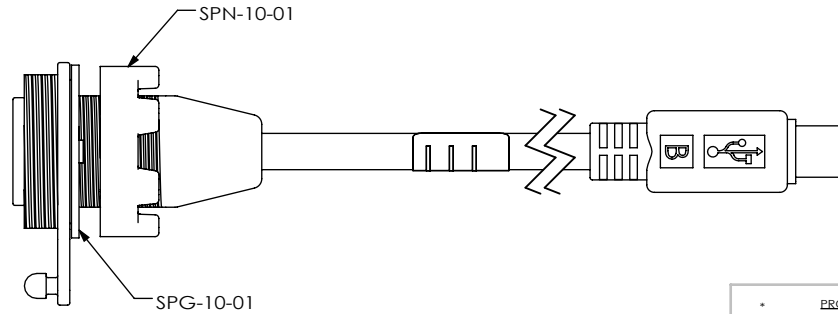
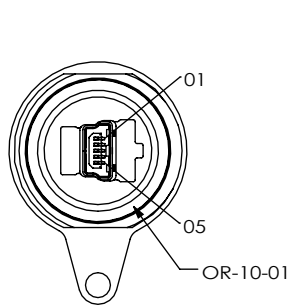
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DESCRIPTION:
PANEL MOUNT SEALED MINI USB CABLE
DWG. NO.
SCRUS-10-X-XX.XX-XXX-XX
BY: B. PERRY 09-01-2010 SHEET 4 OF 10

-MBS -MB END OPTIONS
IN-PROCESS 10
OVERMOLD UNSEALED END



-MBS -MB END OPTIONS
IN-PROCESS 11
ADD SPG-10-01 & SPN-10-01 & OR-10-01



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SHEET SCALE: 0.75:1



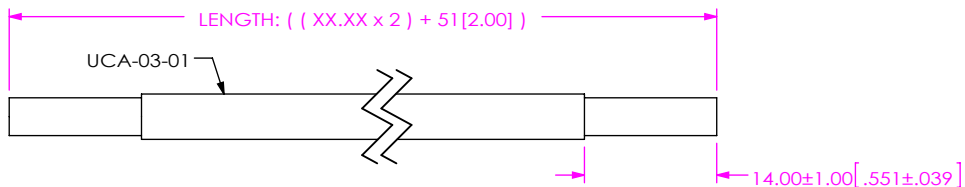
520 PARK EAST BLVD, NEW ALBANY, IN 47150
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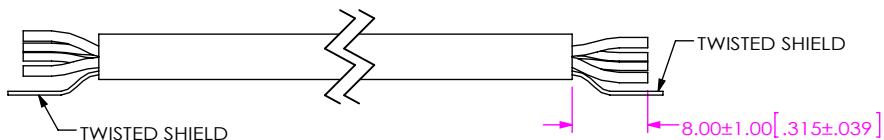
DWG. NO.
SCRUS-10-X-XX.XX-XXX-XX

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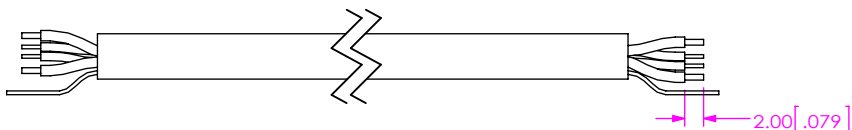
**-MBS -BC END OPTIONS
IN-PROCESS 1**
CUT CABLES TO LENGTH & STRIP OUTER
JACKET TO DIMENSION SHOWN



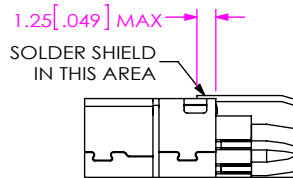
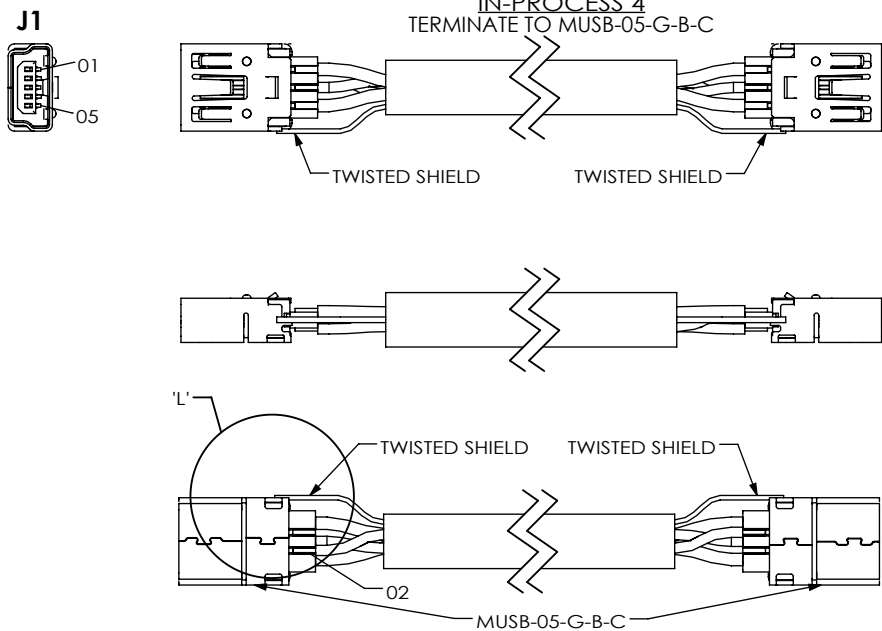
**-MBS -BC END OPTIONS
IN-PROCESS 2**
TRIM WIRES TO LENGTH & TWIST SHIELD



**-MBS -BC END OPTIONS
IN-PROCESS 3**
STRIP INDIVIDUAL WIRES TO DIMENSION SHOWN



**-MBS -BC END OPTIONS
IN-PROCESS 4**
TERMINATE TO MUSB-05-G-B-C

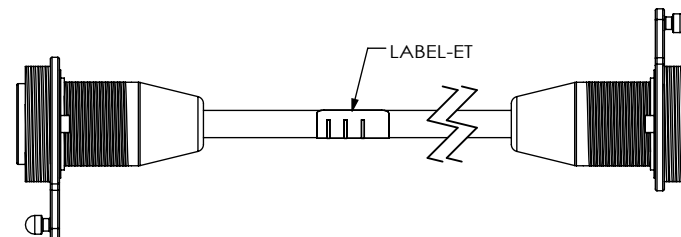


DETAIL 'L'
SCALE 2 : 1

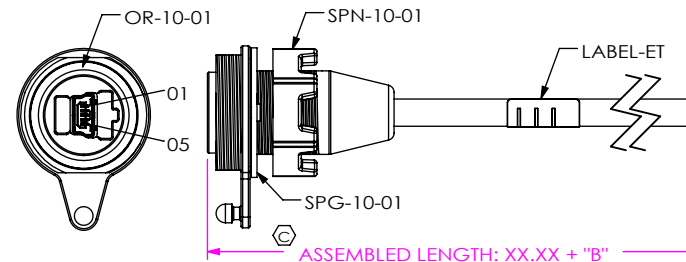
**-MBS -BC END OPTIONS
IN-PROCESS 5**
ADD PREMOLD, SAME AS -MBS -MB IN-PROCESS 8



**-MBS -BC END OPTIONS
IN-PROCESS 6**
ADD OVERMOLD, SAME AS -MBS -MB IN-PROCESS 9



**-MBS -BC END OPTIONS
IN-PROCESS 7**
CUT IN HALF AND TRIM TO LENGTH
ADD SPN-10-01, SPG-10-01, & OR-10-01



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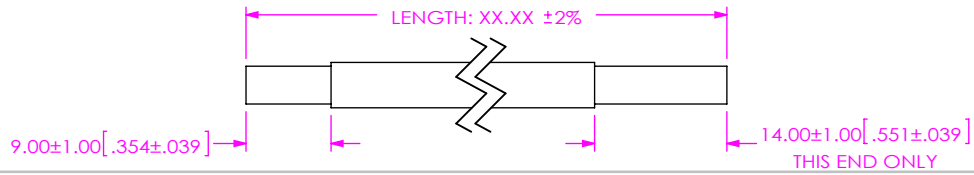
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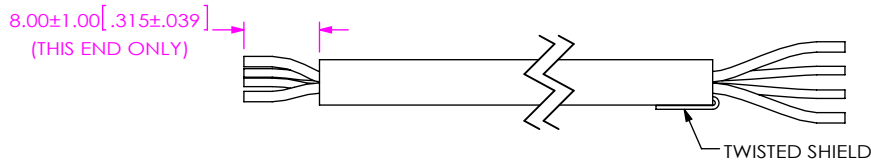
DWG. NO.
SCRUS-10-X-XX.XX-XXX-XX

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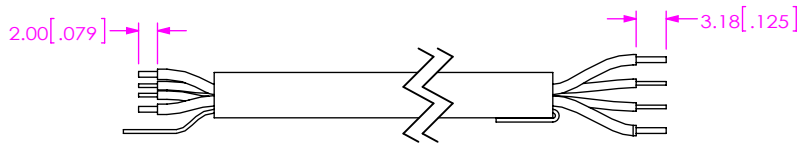
**-MBS -AM END OPTION
IN-PROCESS 1
STRIP OUTER JACKET TO DIMENSION SHOWN**



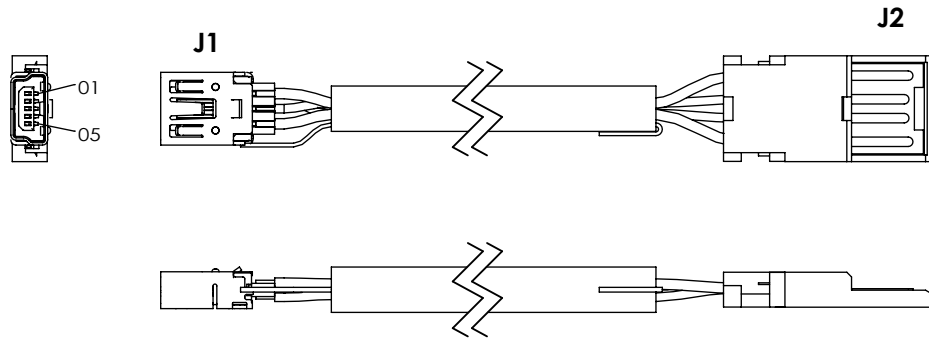
**-MBS -AM END OPTION
IN-PROCESS 2
TWIST SHIELD & TRIM INDIVIDUAL WIRES**



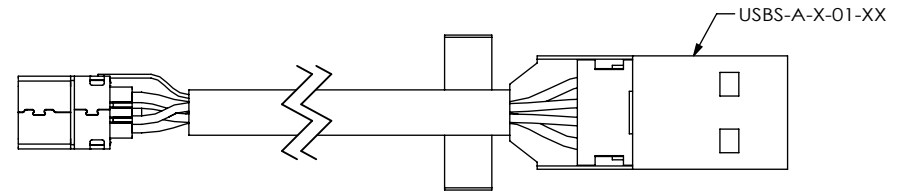
**-MBS -AM END OPTION
IN-PROCESS 3
STRIP INDIVIDUAL WIRES TO DIMENSION SHOWN**



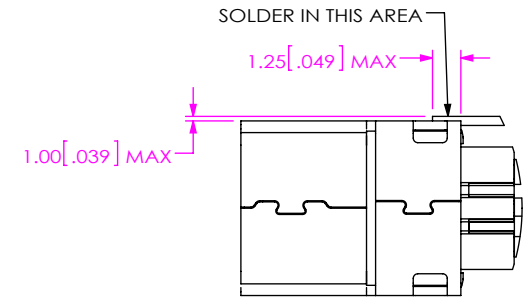
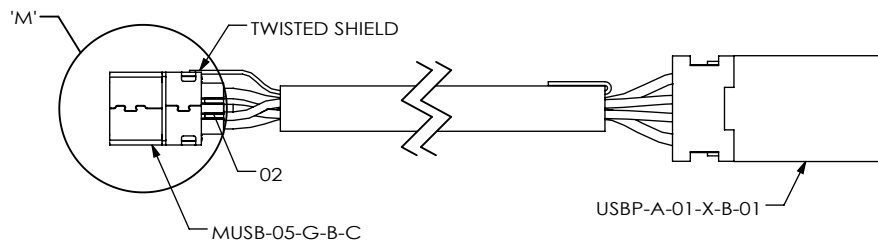
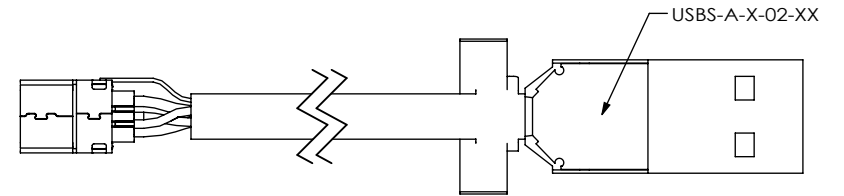
**-MBS -AM END OPTION
IN-PROCESS 4
TERMINATE TO MUSB-05-G-B-C & SUB-USB-A-X-B-XX
(SEE NOTE 17)**



**-MBS -AM END OPTION
IN-PROCESS 5
ADD USBS-A-X-01-XX**



**-MBS -AM END OPTION
IN-PROCESS 6
ADD USBS-A-X-02-XX**



**DETAIL 'M'
SCALE 3 : 1**

PROPRIETARY NOTE
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DO NOT SCALE DRAWING

SHEET SCALE: 1:5

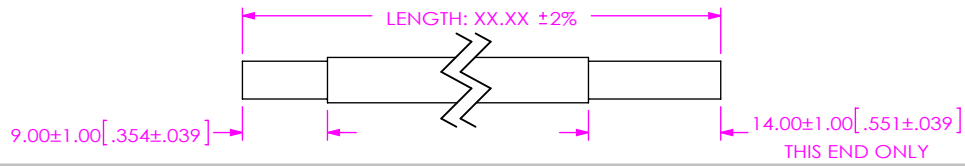


520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

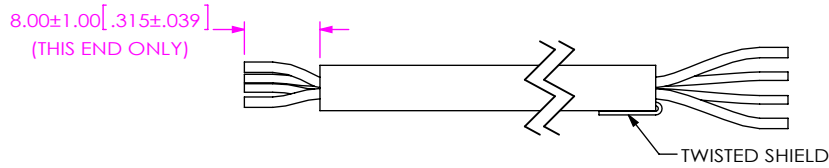
DESCRIPTION:
PANEL MOUNT SEALED MINI USB CABLE
DWG. NO.
SCRUS-10-X-XX.XX-XXX-XX

BY: B. PERRY 09-01-2010 SHEET 7 OF 10

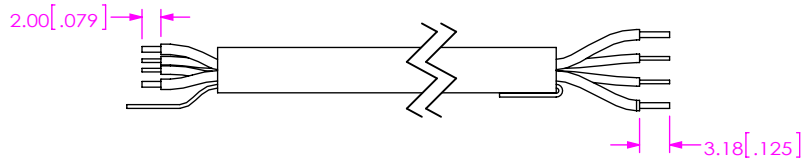
**-MBS -BM END OPTION
IN-PROCESS 1
STRIP OUTER JACKET TO DIMENSION SHOWN**



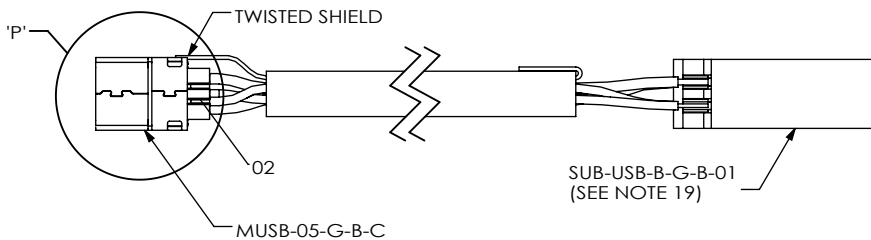
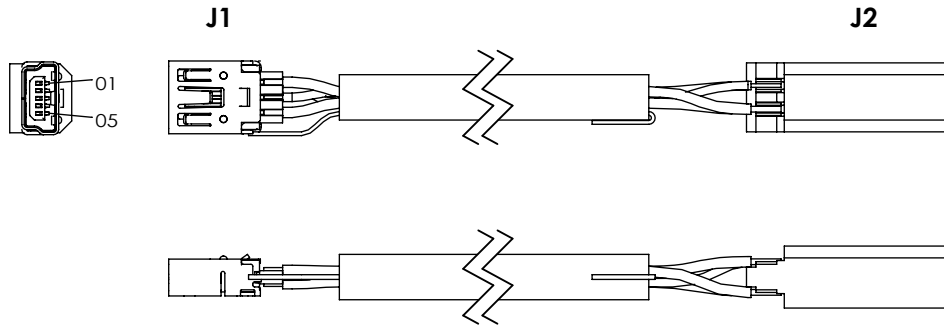
**-MBS -BM END OPTION
IN-PROCESS 2
TWIST SHIELD & TRIM INDIVIDUAL WIRES**



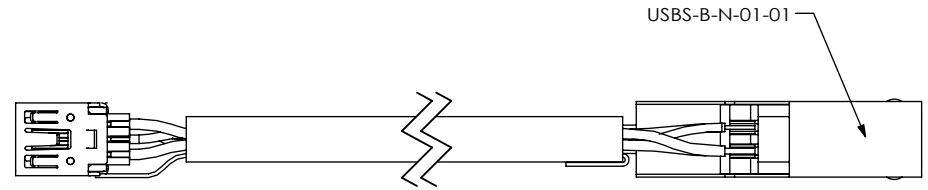
**-MBS -BM END OPTION
IN-PROCESS 3
STRIP INDIVIDUAL WIRES TO DIMENSION SHOWN**



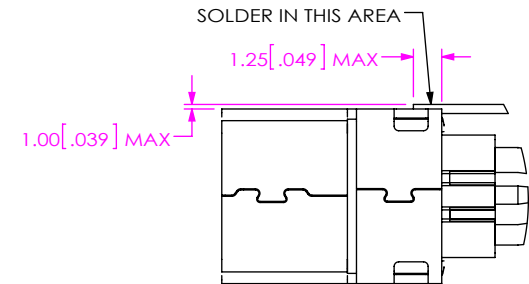
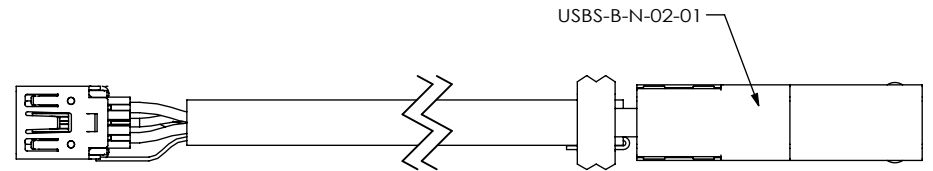
**-MBS -BM END OPTION
IN-PROCESS 4
TERMINATE TO MUSB-05-G-B-C & SUB-USB-B-G-B-01
(SEE NOTE 19)**



**-MBS -BM END OPTION
IN-PROCESS 5
ADD USBS-B-N-01-01 SHELL (SEE NOTE 19)**



**-MBS -BM END OPTION
IN-PROCESS 6
ADD USBS-B-N-02-01 SHELL (SEE NOTE 19)**



DETAIL 'P'
SCALE 3 : 1

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SHEET SCALE: 1:5



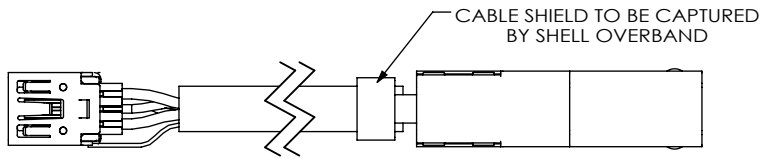
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
PANEL MOUNT SEALED MINI USB CABLE

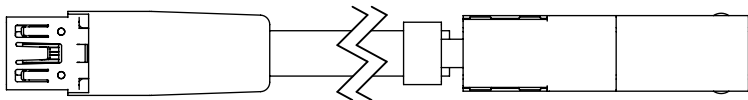
DWG. NO.
SCRUS-10-X-XX.XX-XXX-XX

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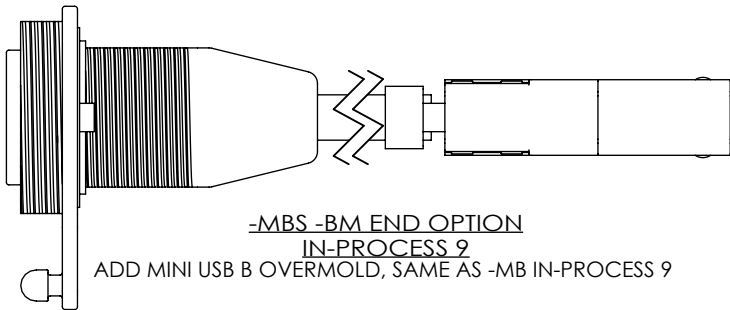
-MBS -BM END OPTION
IN-PROCESS 7
CRIMP SHELL OVERBAND



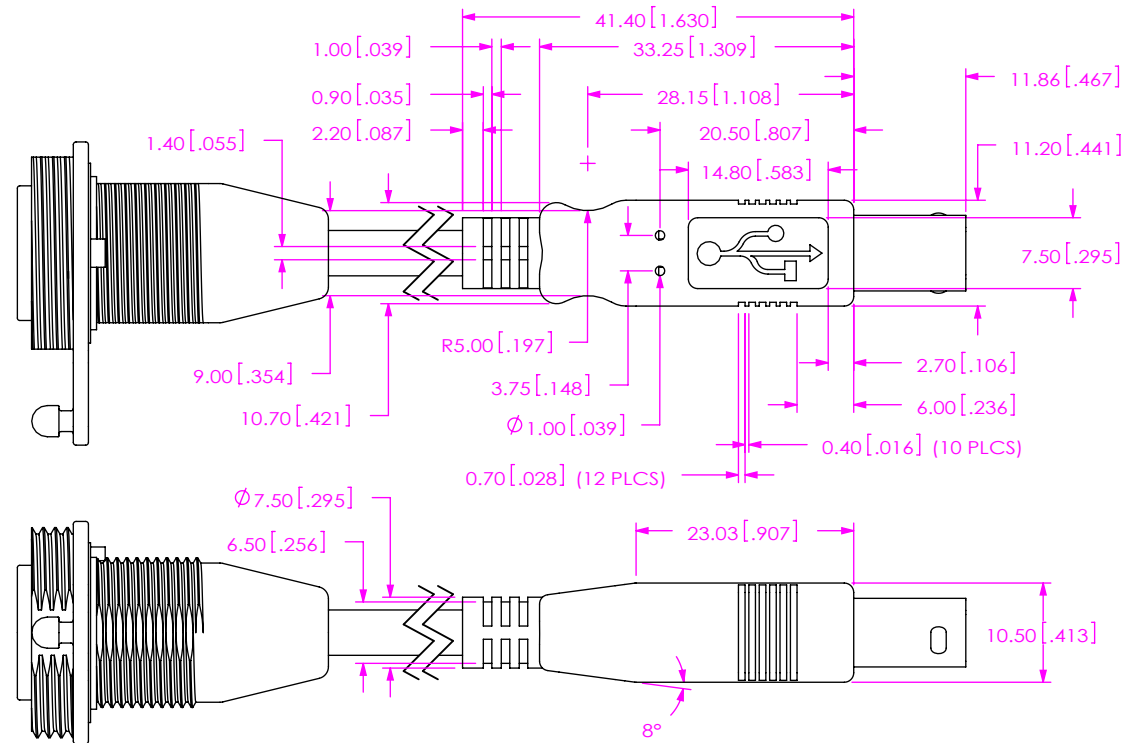
-MBS -BM END OPTION
IN-PROCESS 8
ADD MINI USB B PREMOLD, SAME AS -MB IN-PROCESS 8



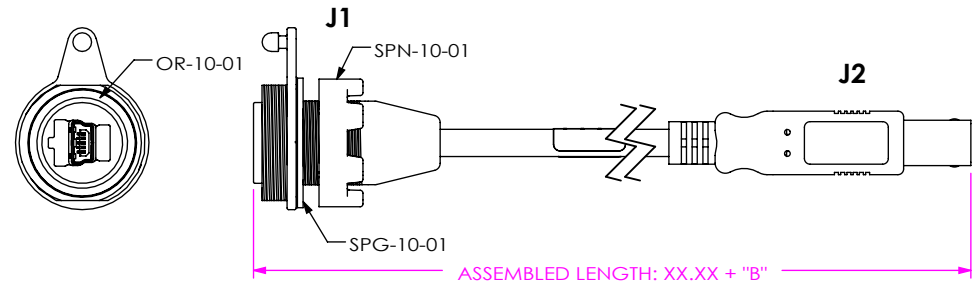
-MBS -BM END OPTION
IN-PROCESS 9
ADD MINI USB B OVERMOLD, SAME AS -MB IN-PROCESS 9



-MBS -BM END OPTION
IN-PROCESS 10
ADD USB B OVERMOLD



-MBS -BM END OPTION
IN-PROCESS 11
ADD SPG-10-01 & SPN-10-01 & OR-10-01



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SHEET SCALE: 1:5



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PANEL MOUNT SEALED MINI USB CABLE
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