REVISION H

TABLE 1		
PART NUMBER	"A" REF	"B" (SEE NOTE 4)
SCR2-10-10-X-0.25-DK	0.25M [9.84]	0.27M [10.59]
SCR2-10-10-X-0.50-DK	0.50M [19.68]	0.52M [20.43]
SCR2-10-10-X-1.00-DK	1.00M [39.37]	1.02M [40.12]
SCR2-10-10-X-0.25-D	0.25M [9.84]	0.27M [10.59]
SCR2-10-10-X-0.50-D	0.50M [19.68]	0.52M [20.43]
SCR2-10-10-X-1.00-D	1.00M [39.37]	1.02M [40.12]
SCR2-10-10-X-0.25-BC	0.25M [9.84]	0.26M [10.31]
SCR2-10-10-X-0.50-BC	0.50M [19.68]	0.51M [20.15]
SCR2-10-10-X-1.00-BC	1.00M [39.37]	1.01M [39.84]

DESIGNED & DIMENSIONED IN MILLIMETERS[INCHES]

SCR2-10-10-X-X.XX-XX

SIZE
-10

POSITIONS
-10

PLATING
-S: SELECTIVE GOLD
-F: FLASH SELECTIVE GOLD

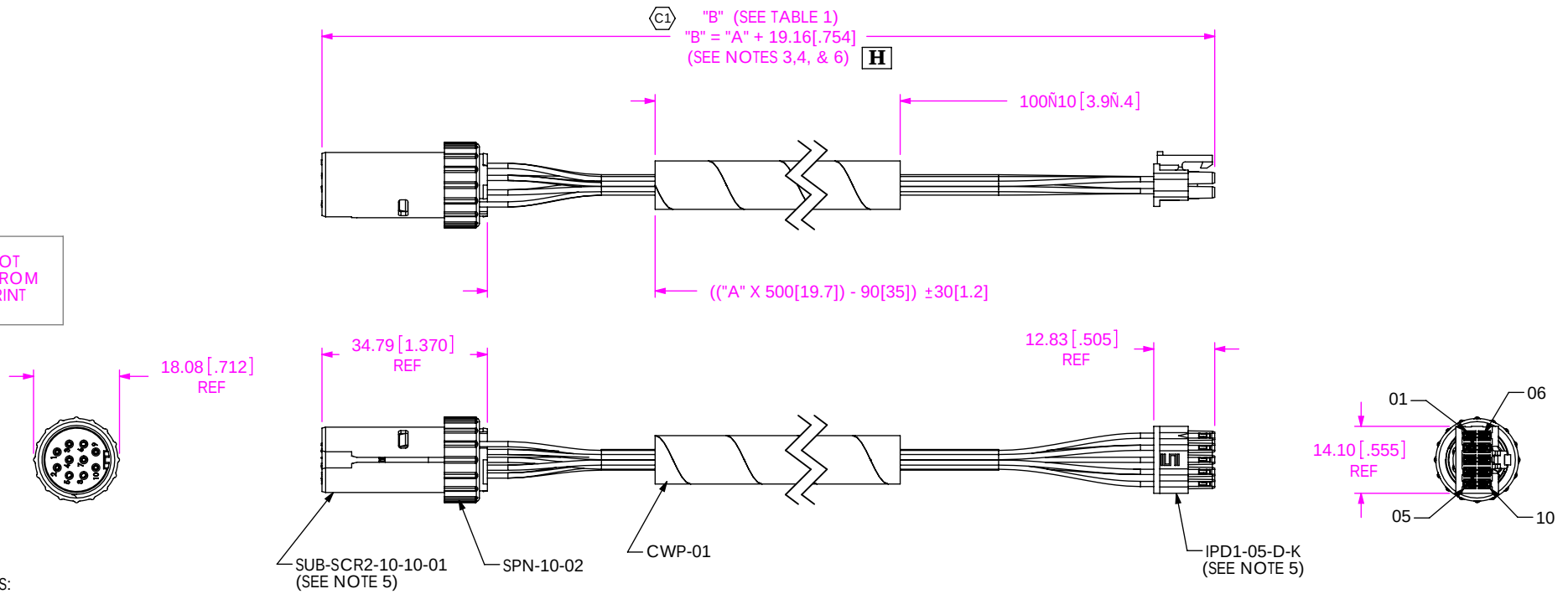
END OPTION
** -D: DOUBLE ENDED (USE BODY IPD1-05-D)
-BC: BLUNT CUT- (SEE FIG 2, SHT 2)
-DK: DOUBLE ENDED KEYED POLARIZATION

LENGTH*
-X.XX (IN METERS), "A" (SEE TABLE 1)
0.25[9.84] MIN - 1.00[39.37] MAX
(SEE NOTE 3)

***NOTE:** -0.25 AND -0.50 ARE CATALOG STANDARD LENGTHS. FOR OTHER LENGTHS CONTACT SAMTEC.

** -D OPTION, DO NOT DESIGN IN
SAMTEC WILL ONLY SUPPORT EXISTING BUSINESS AS OF REV D

FIG. 1
SCR2-10-10-X-X.XX-DK SHOWN
-DK: DOUBLE-ENDED KEYED POLARIZATION
H (SEE FIG.3 TO SEE ASSEMBLY AS SHIPPED)



NOTES:

1. C REPRESENTS A CRITICAL DIMENSION.
2. NOTE MOVED.
3. X.XX LENGTH IS EQUAL TO OVERALL LENGTH OF DWC-24-10-300 ("A").
4. LENGTH TOLERANCE SHALL BE Ñ 2% OF LENGTH.
5. WIRING TO BE POS 1 TO POS 1, POS 2 TO POS 2, POS 3 TO POS 3, ETC.
C2 6. ASSEMBLY TO BE 100% HI-POT TESTED AT 1000V AND TO BE 100% TESTED FOR OPENS AND SHORTS; AFTER IN PROCESS 4 FOR -D AND IN PROCESS 3 FOR -BC, THEN FINAL ASSEMBLY. AFTER FINAL ELECTRICAL TEST, LABEL EACH ASSEMBLY WITH 1 LABEL-ET.
H 7. PANEL THICKNESS: 0.08[.03] - 5.2[.205].
H 8. ASSEMBLY TO BE SHIPPED WITH SUB-SCRX-10-01 IN SEAL-TOP BAGS, SEE FIG. 3, SHEET 2.
H 9. MINIMUM RETENTION FORCE: 8.9N[2 LBS].
10. TORQUE SPECIFICATION FOR NUT ON SUB-SCRX-10-01 IS 25 IN-LBS.
11. WIRE SHALL APPEAR IN THIS RANGE AFTER CRIMP.
12. SEE DWL-05-XX-XX-X-XX.XX-XX FOR CRIMP DIMENSIONS.
13. SEE DWL-02-XX-XX-X-XX.XX-XX FOR CRIMP DIMENSIONS.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.
TOLERANCES ARE:
DECIMALS: .X: ±0.3 [.01] .XX: ±0.13 [.005] .XXX: ±0.051 [.0020]
ANGLES: 2 °

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1:1.33333
SUB-SCR2-10-10-01: PBT
IPD1-05-D-K: PBT
CONTACTS: PHOS BRONZE
SPN-10-02: PA66

F:\DWG\MISC\MKTG\SCR2-10-10-X-X.XX-XX-MKT.SLDDRW

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: UNSEALED 24 AWGCABLE ASSEMBLY
DWG. NO. SCR2-10-10-X-X.XX-XX
BY: LENNY K 5/10/06

REVISION H

FIG. 2
SCR2-10-10-X-X.XX-BC SHOWN
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)
-BC: BLUNT CUT

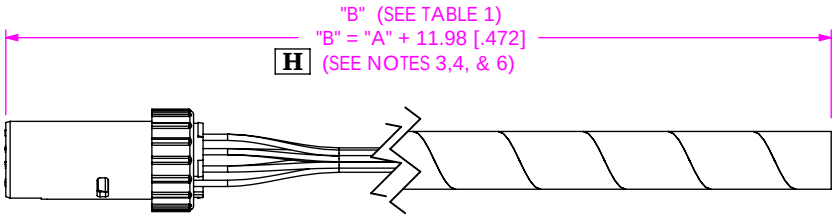
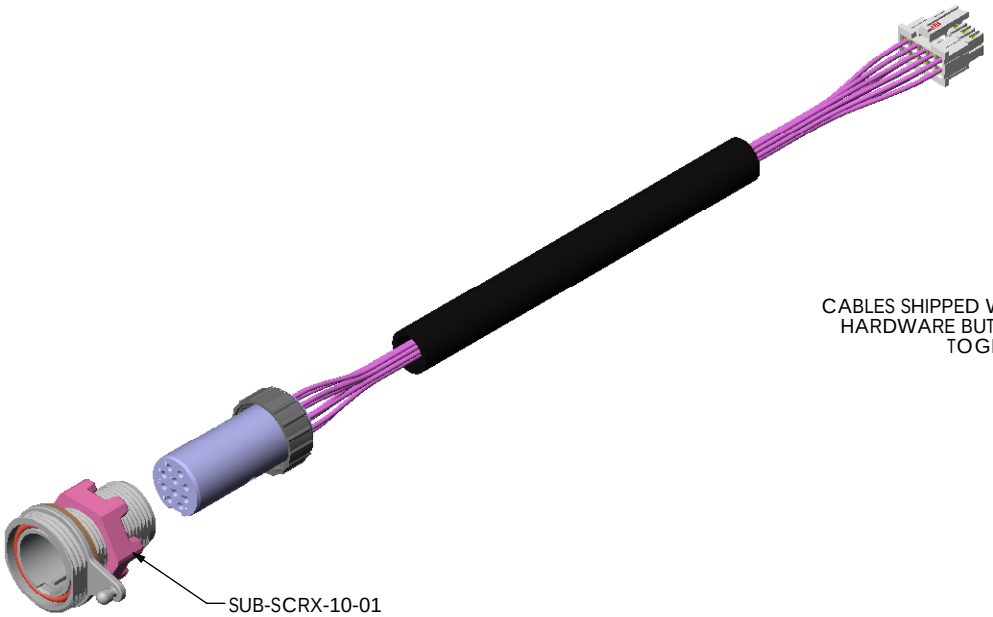
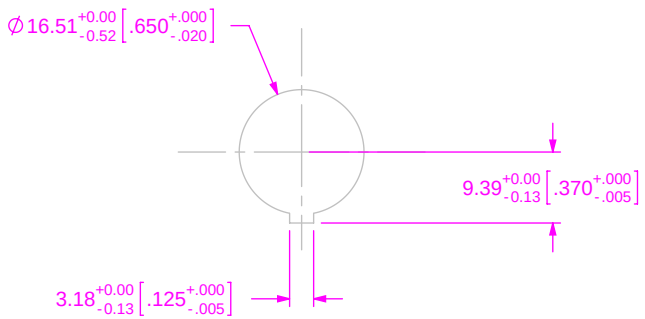


FIG. 3
SCR2-10-10-X-X.XX-D
AND SCR2-10-10-X-X.XX-DK
SHOWN AS SHIPPED
(SEE NOTE 8)



CABLES SHIPPED WITH PANEL MOUNT HARDWARE BUT NOT ASSEMBLED TOGETHER.

RECOMMENDED PANEL HOLE
(SEE NOTE 7)



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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:
UNSEALED 24 AWG CABLE ASSEMBLY

DWG. NO.
SCR2-10-10-X-X.XX-XX

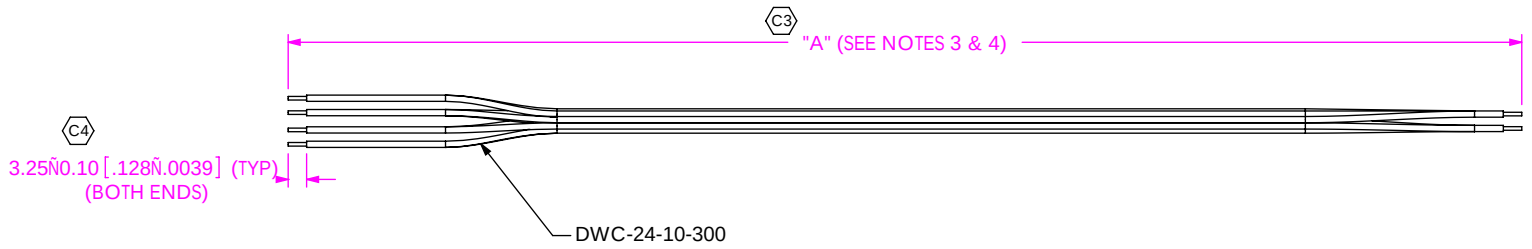
BY: LENNY K 5/10/06

REVISION H

IN-PROCESS VIEWS FOR -DK AND -D END OPTIONS

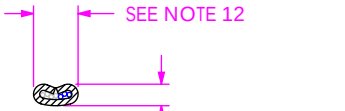
IN-PROCESS 1

DWC-24-10-300 (10 PLCS)
(CUT CABLE TO LENGTH AND STRIP TO DIMENSION SHOWN)

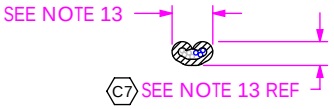


IN-PROCESS 2

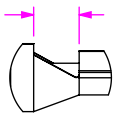
CRIMP C-198-2024-01-X & C-179-03-X



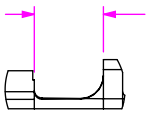
SECTION "N"-"N"
WIRE CRIMP
SECTION



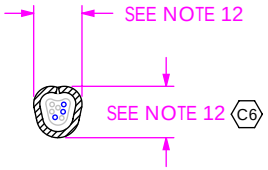
SECTION "R"-"R"
WIRE CRIMP
SECTION



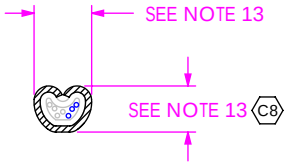
DETAIL 'V'
SCALE 6 : 1



DETAIL 'W'
SCALE 4 : 1



SECTION "P"-"P"
INSULATION
CRIMP SECTION



SECTION "U"-"U"
INSULATION
CRIMP SECTION

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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:
UNSEALED 24 AWG CABLE ASSEMBLY

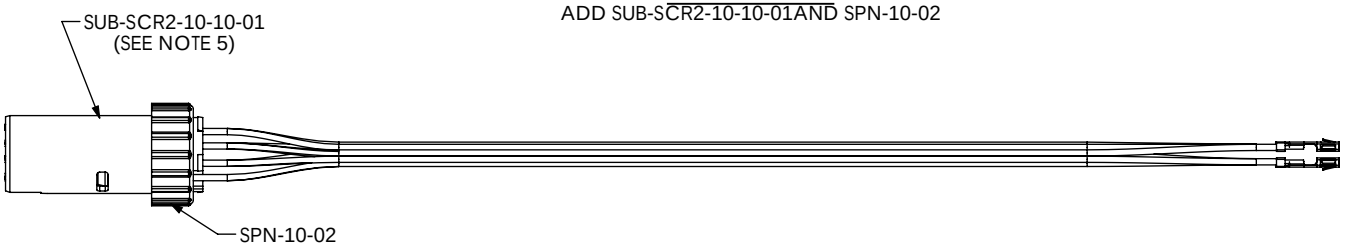
DWG. NO.
SCR2-10-10-X-X.XX-XX

BY: LENNY K 5/10/06

REVISION H

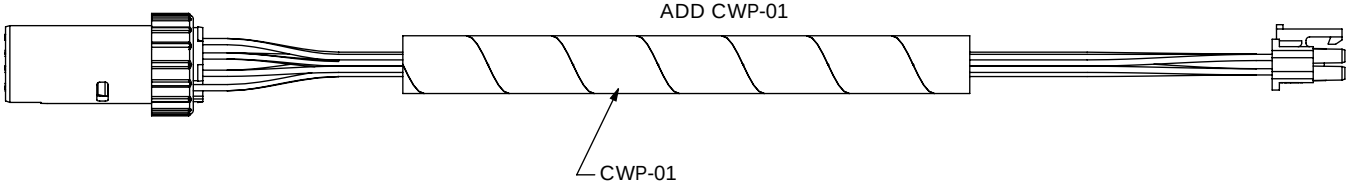
IN-PROCESS VIEWS FOR -DK AND -D END OPTIONS

IN-PROCESS 3
ADD SUB-SCR2-10-10-01AND SPN-10-02



IN-PROCESS 4
-DK OPTION SHOWN
ADD IPD1-05-D-K
(SEE NOTE 6)

IN-PROCESS 5
-DK OPTION SHOWN
ADD CWP-01



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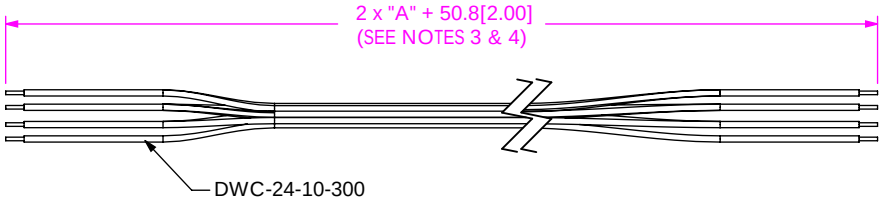
DWG. NO. SCR2-10-10-X-X.XX-XX

BY: LENNY K 5/10/06

REVISION H

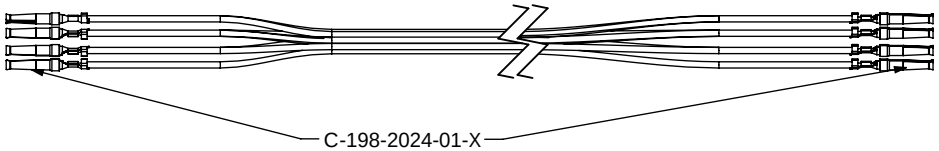
IN-PROCESS VIEWS FOR -BC END OPTION

IN-PROCESS 1
DWC-24-10-300 (10 PLCS)
(SAME AS -D IN-PROCESS 1, UNLESS OTHERWISE STATED)
(CUT CABLE TO LENGTH AND STRIP TO DIMSNSION SHOWN)

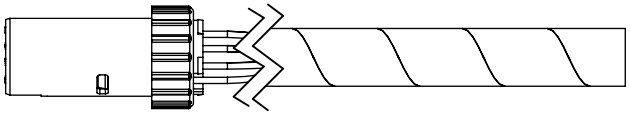


IN-PROCESS 4
CUT IN HALF
(SAME AS -D IN-PROCESS 4, UNLESS OTHERWISE STATED)

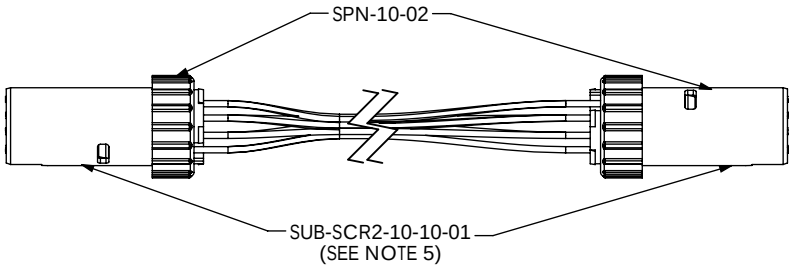
IN-PROCESS 2
CRIMP C-198-2024-01-X
(SAME AS -D IN-PROCESS 2, UNLESS OTHERWISE STATED)



IN-PROCESS 5
ADD CWP-01
(SAME AS -D IN-PROCESS 5, UNLESS OTHERWISE STATED)



IN-PROCESS 3
ADD SUB-SCR2-10-10-01
(SAME AS -D IN-PROCESS 3, UNLESS OTHERWISE STATED)
H (SEE NOTE 6)



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BY: LENNY K 5/10/06