

#### NOTES:

FIG 1 ACR-12-02-X-XX.XX-S-S1-M-1 SHOWN

1. TREPRESENTS A CRITICAL DIMENSION.
(C) 2. ASSEMBLY TO BE 100% HI-POT TESTED AT 300V.

(1) LABEL-ET TO BE APPLIED AFTER FINAL ELECTRICAL TEST.

3. ASSEMBLIES TO BE BULK PACKAGED.

4. KEYING FEATURE DETERMINES COLOR OF KEY RING AND DUSTCAP LANYARD IF APPLICABLE.

5. SIGNAL MAPPING IS 1 TO 1, 2 TO 2, 3 TO 3, ETC.. 6. REFER TO DCA-ACR-12-M-X PRINT FOR DUST CAP.

7. PLACE HDRL-11 (LABEL) ON CABLE WHERE SHOWN. LABEL TO CONTAIN: LINE 1 - PART NUMBER "ACR-12-XX--X-XX.XX-X-XX-M-X"

LINE 2 - SHOP ORDER NUMBER "XXXXXX"

LINE 2 - 3HOP ORDER NUMBER AXXXX LINE 3 - DATE CODE "XXXXX" 8. PANEL THICKNESS RANGE: 0.80[0.031] - 5.20[0.205] 9. FOR END 2 CABLE LENGTH REFERENCE END 2 OPTIONS ON SHEET 3. 10. END 2 CONNECTOR PLATING TO BE 10µ GOLD.

11. PARTS TO BE BUILT AND INSPECTED TO IPC-A-620 CLASS 2. 12. WHEN MOUNTING PRODUCT TO PANEL TORQUE ACPN-12-M TO 15IN-LBS.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. TOLERANCES ARE:

INSIDE WALL

(SEE NOTE 8) 23.50[.925] REF ---

OF PANEL

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

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5±2[.2±.1]

HST-0.187-02-BLK

SHEET SCALE: 3:2

DO NOT SCALE DRAWING

SHELL: ZINC ALLOY INSULATOR: PBT, COLOR: BLACK TERMINALS: BRASS CONTACTS: BRASS/BeCu



HDRL-11

(SEE NOTE 7)

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

DESCRIPTION

M12 CABLE ASSEMBLY

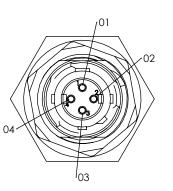
ACR-12-XX-X-XX.XX-X-XX-M-X

BY: D.SCHMELZ 09/17/2010 SHEET 1 OF 6

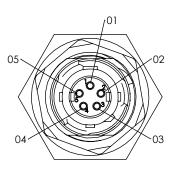
# REVISION B

# -T END OPTIONS

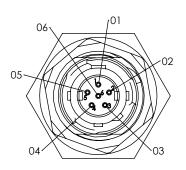
-01: 4 POS Ø 1.0 TERMINALS



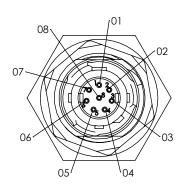
 $\phi$  -02: 5 POS  $\phi$  1.0 TERMINALS



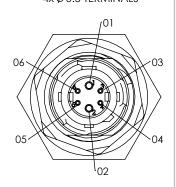
 $\phi$  -03: 6 POS  $\phi$  0.5 TERMINALS



-04: 8 POS Ø 0.5 TERMINALS

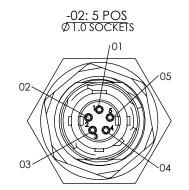


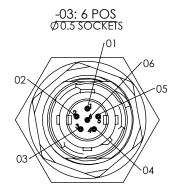
-05: 6 POS COMBO 2xØ1.0 TERMINALS 4xØ0.5 TERMINALS



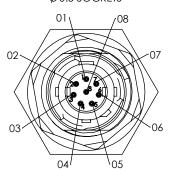
# -S END OPTIONS

-01: 4 POS ØT.0 SOCKETS

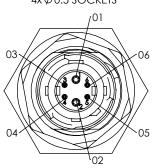








-05: 6 POS COMBO 2x Ø 1.0 SOCKETS 4x Ø 0.5 SOCKETS



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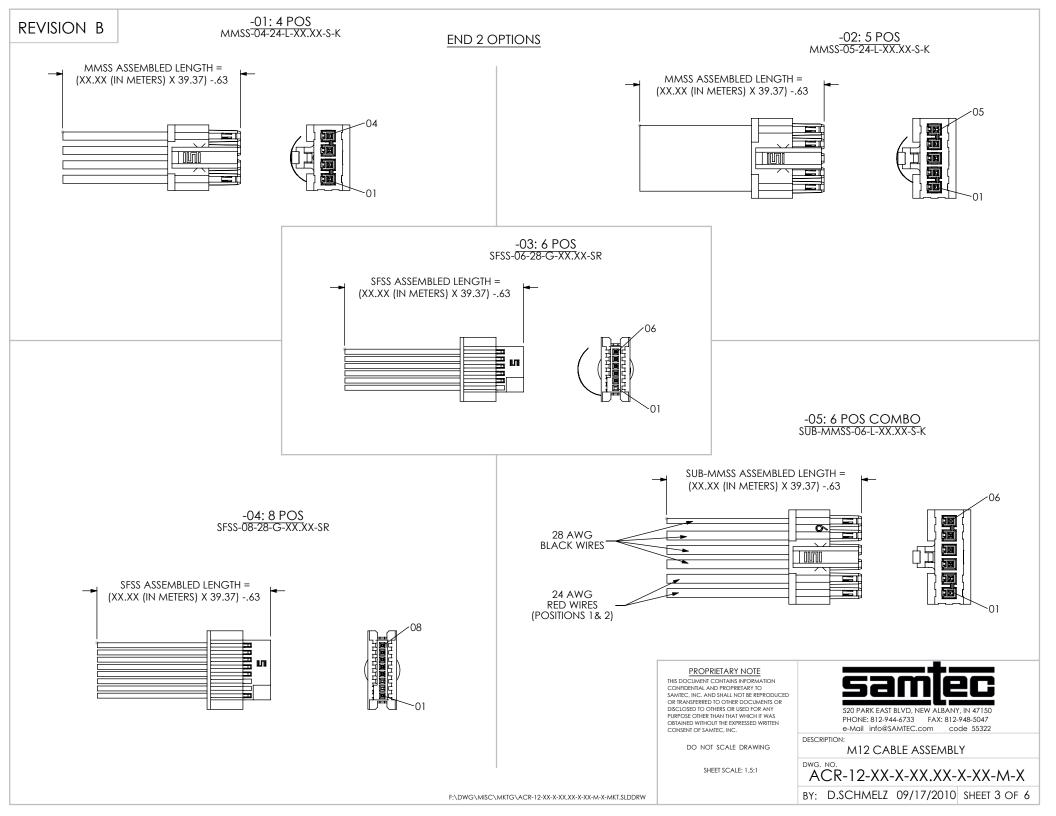
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M12 CABLE ASSEMBLY

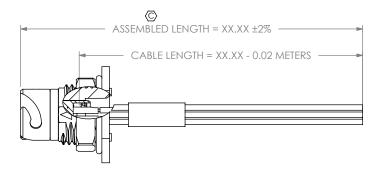
DWG. NO.

ACR-12-XX-X-XX.XX-X-XX-M-X

BY: D.SCHMELZ 09/17/2010 SHEET 2 OF 6



### -BC END 2 OPTION (BUILD DOUBLE-ENDED INITIALLY FOR E-TEST) (SEE IN-PROCESS 6)



# RECOMMENDED PANEL OPENING (SEE NOTE 8)

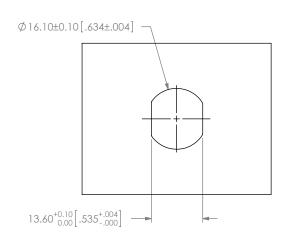


TABLE 2										
-BC LEAD STYLES ONLY										
POSITION	-01		-02		-03		-04		-05	
	COLOR	DWC-XX-XX-XXX	COLOR	DWC-XXXXXXXX	COLOR	DWC-XX-XXX-XXXX	COLOR	DWC-XX-XXX-XXX	COLOR	DWC-XX-XX-XXX
01	BROWN	DWC-24-01-300	BROWN	DWC-24-01-300	BROWN	DWC-28H-01-300	BROWN	DWC-28H-01-300	BROWN	DWC-24-01-300
02	RED	DWC-24-02-300	RED	DWC-24-02-300	RED	DWC-28H-02-300	RED	DWC-28H-02-300	RED	DWC-24-02-300
03	ORANGE	DWC-24-03-300	ORANGE	DWC-24-03-300	ORANGE	DWC-28H-03-300	ORANGE	DWC-28H-03-300	ORANGE	DWC-28H-03-300
04	YELLOW	DWC-24-04-300	YELLOW	DWC-24-04-300	YELLOW	DWC-28H-04-300	YELLOW	DWC-28H-04-300	YELLOW	DWC-28H-04-300
05	NA NA		GREEN	DWC-24-05-300	GREEN	DWC-28H-05-300	GREEN	DWC-28H-05-300	GREEN	DWC-28H-05-300
06			·		DARK BLUE	DWC-28H-06-300	DARK BLUE	DWC-28H-06-300	DARK BLUE	DWC-28H-06-300
07		INA	NA		NA		VIOLET	DWC-28H-07-300	NA NA	
08					147		GRAY	DWC-28H-08-300	INA .	

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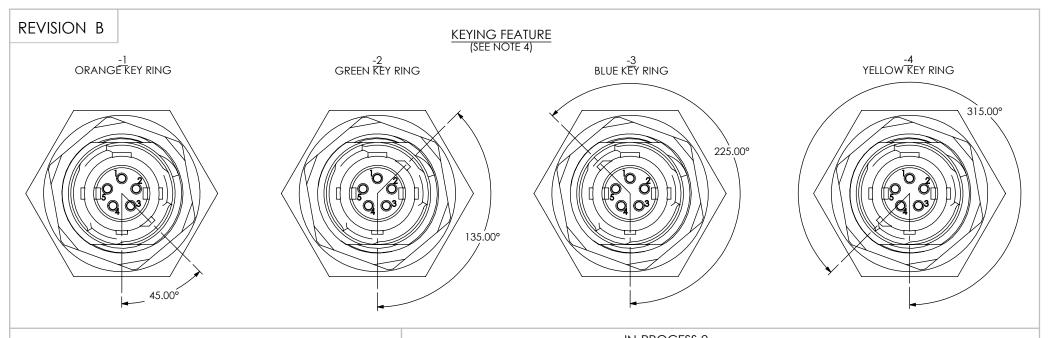
DESCRIPTION:

M12 CABLE ASSEMBLY

DWG NO

ACR-12-XX-X-XX.XX-X-XX-M-X

BY: D.SCHMELZ 09/17/2010 SHEET 4 OF 6



-01

-02

-03

-04

-05

-01

-02 -03

-04

-05

-T

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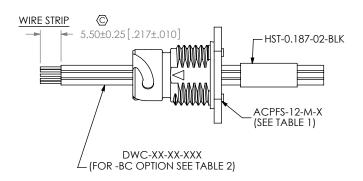
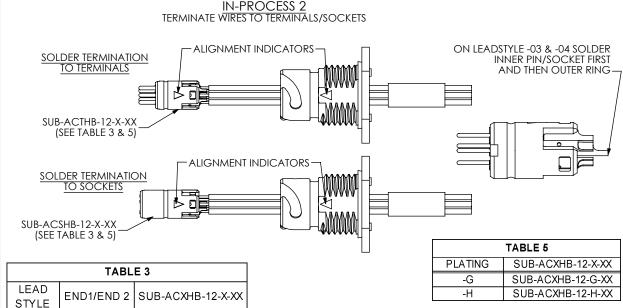


TABLE 1						
KEYING	SHELL PART#					
FEATURE	OTILLET ART					
-1	ACPFS-12-M-1					
-2	ACPFS-12-M-2					
-3	ACPFS-12-M-3					
-4	ACPFS-12-M-4					



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SUB-ACTHB-12-X-01

SUB-ACTHB-12-X-02

SUB-ACTHB-12-X-03

SUB-ACTHB-12-X-04

SUB-ACTHB-12-X-05

SUB-ACSHB-12-X-01

SUB-ACSHB-12-X-02

SUB-ACSHB-12-X-03

SUB-ACSHB-12-X-04

SUB-ACSHB-12-X-05

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SHEET SCALE: 1:1



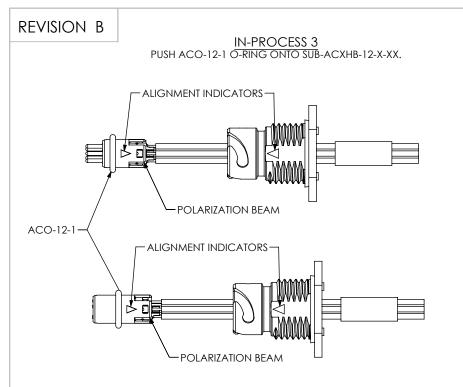
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DESCRIPTION:

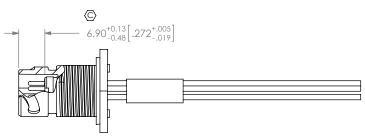
M12 CABLE ASSEMBLY

ACR-12-XX-X-XX.XX-X-XX-M-X

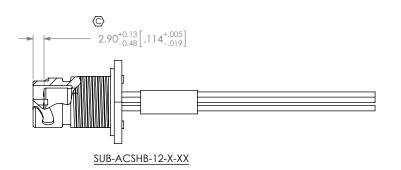
BY: D.SCHMELZ 09/17/2010 SHEET 5 OF 6

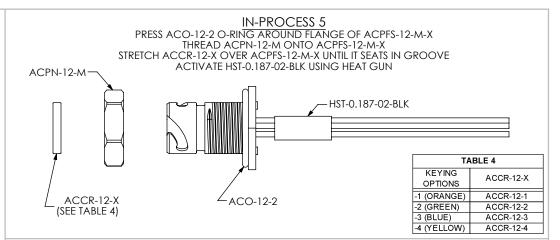


# IN-PROCESS 4 WHILE MAKING SURE THE ALIGNMENT ARROWS LINE UP TO AID POLIZARATION BEAM ENGAGEMENT, INSERT SUB-ACXHB-12-X-XX UNTIL SNAP LOCKS ENGAGE.

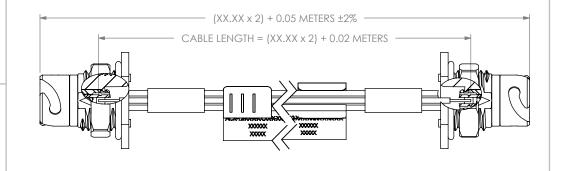


## SUB-ACTHB-12-X-XX





#### IN-PROCESS 6 (-BC OPTION ONLY) BUILD DOUBLE-ENDED INITIALLY FOR E-TEST, APPLY LABEL-ET & HDRL-11 TO BOTH ENDS, AND CUT CABLE IN HALF



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M12 CABLE ASSEMBLY

DWG NO

ACR-12-XX-X-XX.XX-X-XX-M-X

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