

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

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



HDRL-11

(SEE NOTE 7)

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DESCRIPTION

M12 CABLE ASSEMBLY

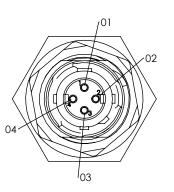
ACR-12-XX-X-XX.XX-X-XX-M-X

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

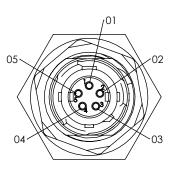
REVISION B

-T END OPTIONS

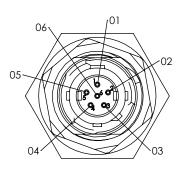
01: 4 POS Ø1.0 TERMINALS



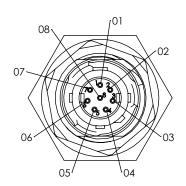
 ϕ 1.0 TERMINALS



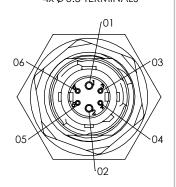
 ϕ 0.5 TERMINALS



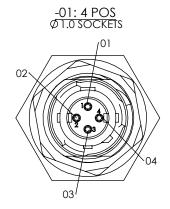
 ϕ -04: 8 POS ϕ 0.5 TERMINALS

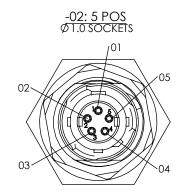


-05: 6 POS COMBO 2xØ1.0 TERMINALS 4xØ0.5 TERMINALS



-S END OPTIONS





-03: 6 POS Ø 0.5 SOCKETS

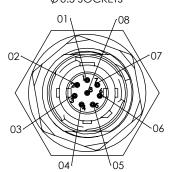
01

06

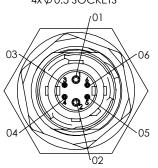
03

04





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



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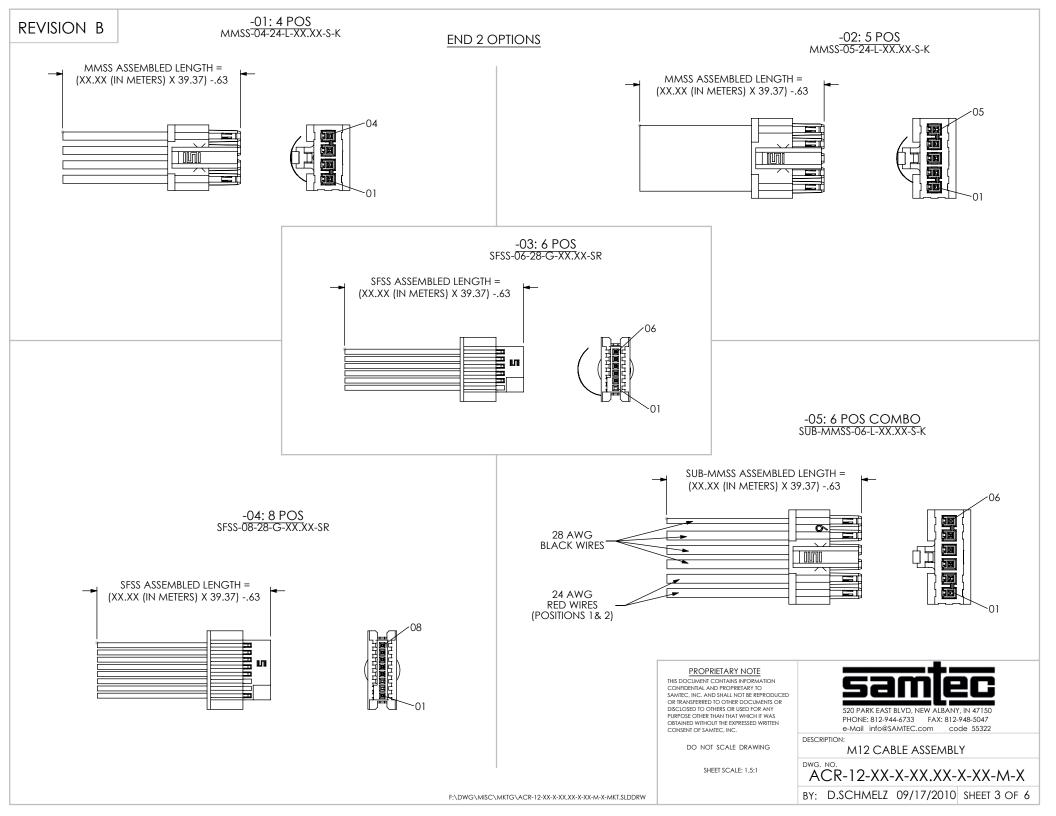
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M12 CABLE ASSEMBLY

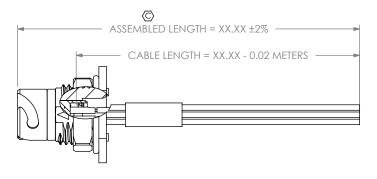
DWG. NO.

ÄCR-12-XX-X-XX.XX-X-XX-M-X

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



RECOMMENDED PANEL OPENING (SEE NOTE 8)

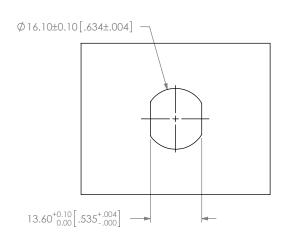


TABLE 2											
-BC LEAD STYLES ONLY											
POSITION	-01		-02		-03		-04		-05		
	COLOR	DWC-XX-XX-XXX	COLOR	DWC-XXXXXXXX	COLOR	DWC-XX-XXX-XXXX	COLOR	DWC-XX-XXX-XXX	COLOR	DWC-XX-XX-XXX	
01	BROWN	DWC-24-01-300	BROWN	DWC-24-01-300	BROWN	DWC-28H-01-300	BROWN	DWC-28H-01-300	BROWN	DWC-24-01-300	
02	RED	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		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		ING.	NA		NA		VIOLET	DWC-28H-07-300	NA		
08					INA		GRAY	DWC-28H-08-300			

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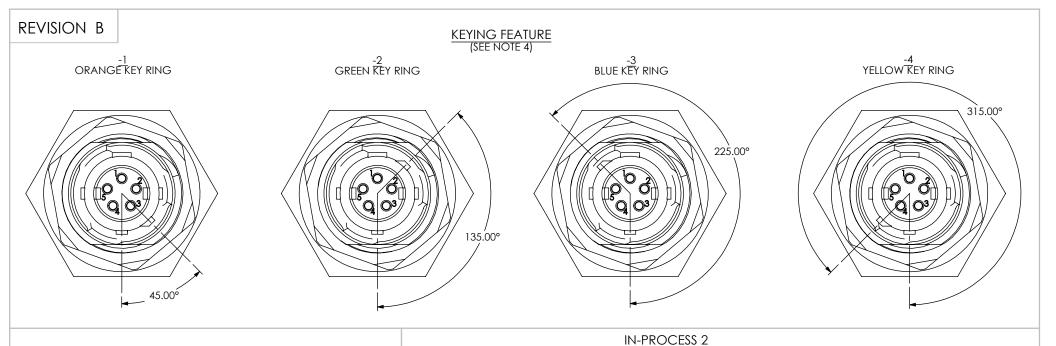
DESCRIPTION:

M12 CABLE ASSEMBLY

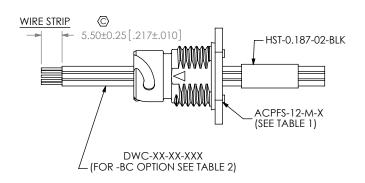
DWG NO

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

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







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

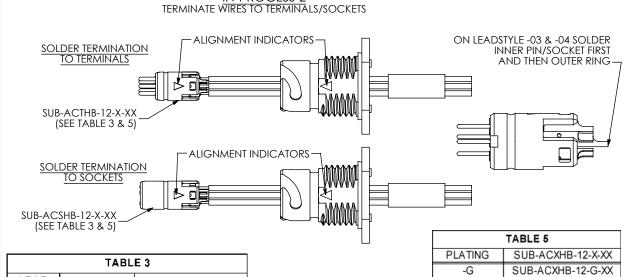


	TABLE 3						
LEAD STYLE	END1/END 2	SUB-ACXHB-12-X-XX					
-01	-T	SUB-ACTHB-12-X-01					
-02	-T	SUB-ACTHB-12-X-02					
-03	-T	SUB-ACTHB-12-X-03					
-04	-T	SUB-ACTHB-12-X-04					
-05	-T	SUB-ACTHB-12-X-05					
-01	-S	SUB-ACSHB-12-X-01					
-02	-S	SUB-ACSHB-12-X-02					
-03	-S	SUB-ACSHB-12-X-03					
-04	-S	SUB-ACSHB-12-X-04					
-05	-S	SUB-ACSHB-12-X-05					

F:\DWG\MISC\MKTG\ACR-12-XX-X-XX.XX-X-XX-M-X-MKT.SLDDRW

-H

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SUB-ACXHB-12-H-XX

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DESCRIPTION:

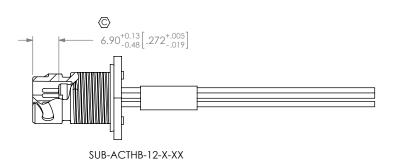
M12 CABLE ASSEMBLY

DWG. NO. ACR-12-XX-X-XX.XX-X-XX-M-X

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POLARIZATION BEAM IN-PROCESS 3 PUSH ACO-12-1 O-RING ONTO SUB-ACXHB-12-X-XX.

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.

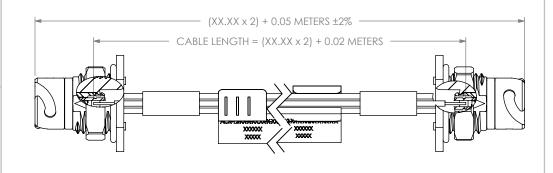


2.90^{+0.13}_{-0.48}[.114^{+.005}_{-.019}]

SUB-ACSHB-12-X-XX

IN-PROCESS 5 PRESS ACO-12-2 O-RING AROUND FLANGE OF ACPFS-12-M-X THREAD ACPN-12-M ONTO ACPFS-12-M-X STRETCH ACCR-12-X OVER ACPFS-12-M-X UNTIL IT SEATS IN GROOVE ACTIVATE HST-0.187-02-BLK USING HEAT GUN ACPN-12-M-HST-0.187-02-BLK **TABLE 4** KEYING ACCR-12-X OPTIONS -1 (ORANGE) ACCR-12-1 ACCR-12-X ACO-12-2 -2 (GREEN) ACCR-12-2 (SEE TABLE 4) ACCR-12-3

> 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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-3 (BLUE) -4 (YELLOW)

ACCR-12-4

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DESCRIPTION:

M12 CABLE ASSEMBLY

DWG NO

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

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