DO NOT

SCALE FROM

THIS PRINT

DESIGNED & DIMENSIONED IN MILLIMETERS

RCH-XXX-XXXX

1. REPRESENTS A CRITICAL DIMENSION.

© 2. ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED FOR SHORTS AND OPENS. © 3. ALL ASSEMBLIES TO BE HI-POT TESTED AT 300V.

AFTER FINAL ELECTRICAL TEST, LABEL EACH ASSEMBLY WITH 1 LABEL-ET.

4. ENSURE VCOV-EPLSP-XXX-ORG IS APPLIED AND PACKAGE IN CLEAR POLY-BAGS.

5. FOR FINISHED GOOD, HDRL-11 IS TO BE CENTERED ON CABLE AS SHOWN OR 1 FOR EVERY METER OF CABLE FOR ASSEMBLIES OVER 1 METER. HDRL-11 IS TO CONTAIN: PART NUMBER, SHOP ORDER & DATE CODE

6. THIS ASSEMBLY USES 32 AWG 100 OHM TWINAX.

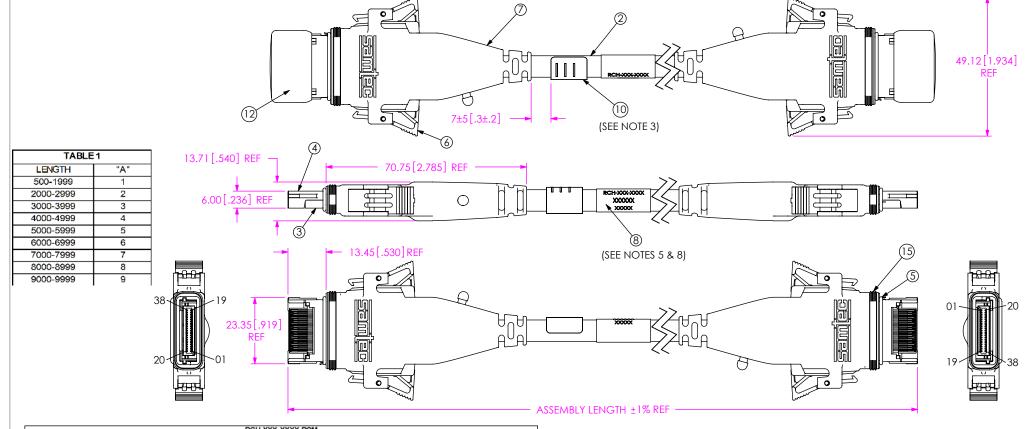
7. MEASURE O-RING IN THE CENTER OF THE PART. 8. FOR SUB-RCH, ONLY ONE HDRL-11 LABEL IS REQUIRED, TO BE PLACED CENTERED ON THE CABLE.

No OF POSITIONS -019 = 19 POSITION (SEE TABLE 3) PIN 1 TO 1

ASSEMBLY LENGTH (IN MILLIMETERS) -0500 TO -9999 (-1000, -2000, AND -3000, ARE STOCKED LENGTHS) (SEE NOTE 6)

FIG 1 RCH-019-XXXX SHOWN

(SOME COMPONENTS NOT SHOWN IN ALL VIEWS FOR CLARITY)



RCH-XXX-XXXX BOM									
ITEM NO. PART NUMBER		DESCRIPTION	QUANTITY	MATERIAL					
1	SUB-EPHSI-019-D-EM	SUB ASSEMBLY	2	SEE TITLE BLOOK	٦				
2	SUB-HSIO-32100-01-XXXX	BUNDLED 9 TWIN AX AND 5 POWER	1	SEE TITLE BLOOK	٦				
3	EPHSI-019-02	BOTTOM HOUSING EPHSI CONNECTOR	2	ZINCALLOY					
4	EPHSI-019-01	TOP HOUSING EPHSI CONNECTOR	2	ZINCALLOY	٦				
5	OR-129-01	EMI GASKET FOR ROH	2	SILVER/ALUMINUM	٦				
6	LTC-28	PESS PLASTIC LATCH	4	PA66 RG001, BLACK	٦				
7	MD-NYL-ZY-70G13-BK	OVERMOLD	0.047 lbs	NYLON, ZYTEL, 70G13, BLACK	٦				
8	HDRL-11	LABEL.	"A"	SELF LAMINATING VINYL	٦				
9	CUT-0.250	COPPER FOIL TAPE	4	COPPER FOIL, CONDUCTIVE ADHESIVE	Т				
10	LABEL-ET	PRINTED LABEL	1	VINYL	٦				
11	RVT-02.3-09.5-002	EPLSP RIVET	4	ALUM, SEMI-TUBULAR PLAIN FINISH	٦				
12	VOOV-EPLSP-019-ORG	PROTECTIVE COVER	2	VINYL	٦				
13	VCOV-EPLSP-019-ORG-PR	PROTECTIVE COVER	2	VINYL	٦				
14	SUB-SRP-065-015-01-00.48	SOLDER PREFORM	4	SAC 305	٦				
15	OR-121-01	O-RING	2	NBR+SILICONE OIL					
16	EPHSI-SR-01	EPHSI STRA IN RELIEF	2	RUBBER	٦				
17	MD-NY L-MA-OM646-BK	PREMOLD	0.0022 lbs	NY LON, LOW PRESSURE, BLACK	٦				
18	CCS-137285-01-PP	KAPTON TAPE	2	KAPTON	٦				
19	EPLSP-GR-19	GROUND-RING	2	316L STAINLESS STEEL	٦				

F:\DWG\MISC\MKTG\RCH-XXX-XXXX-MKT.SLDDRW

2°

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.

TOLERANCES ARE: DECIMALS **ANGLES**

X.X: ±0.3 X.XX: ±0.13 X.XXX: ±0.051

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1 INSULATOR: HIGH TEMP NYLON TERMINALS: CILALLOY MAX FLASH ALLOWED: .05[.002]

MAX GATE VESTIGE: .10[.004] CABLE MATERIAL: JACKET: PVC INSULATOR: DIELECTRIC

BRAID: TINNED COPPER FOIL: ALUMINUM/POLYESTER CONDUCTORS: COPPER



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THIS PRODUCT MANUFACTURED

WITH LEAD-FREE PROCESSING

(BR

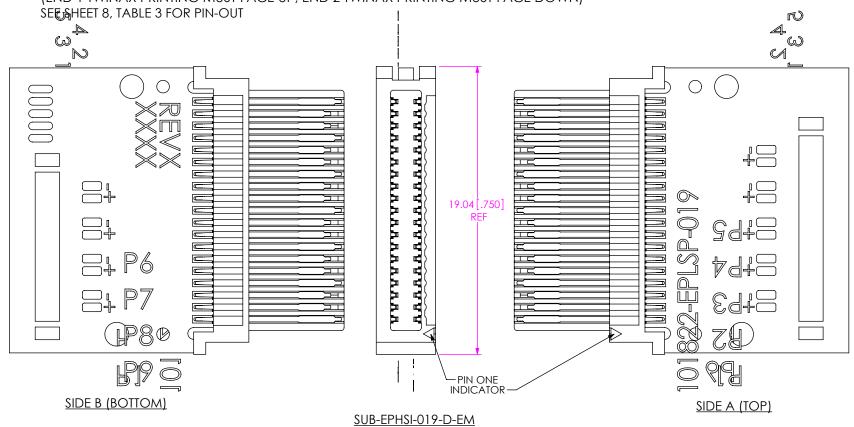
SEALED EPLSP CABLE ASSEMBLY

RCH-XXX-XXXX

BY: D. SCHMELZ 07/15/2010 | SHEET 1 OF 8

TABLE 2 -19 CABLE PAIR LOCATION												
PAIR 1		PAIR 2 PAIR 3		IR 3	PAIR 4		PAIR 5		(PCB PAIR)			
P4+	P4-	P5+	P5-	P6+	P6-	P7+	P7-	P8+	P8-	(CABLE PAIR)		
POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG			
POS	NEG	POS	NEG	POS	NEG	POS	NEG	GREEN	BLUE	ORANGE	PURPLE	WHITE
P2+	P2-	P3+	P3-	P1+	P1-	P9+	P9-	1	2	3	4	5
PAIR 6		PAIR 7		PAIR 8		PAIR 9		DISCRETES				

(END 1 TWINAX PRINTING MUST FACE UP, END 2 TWINAX PRINTING MUST FACE DOWN)



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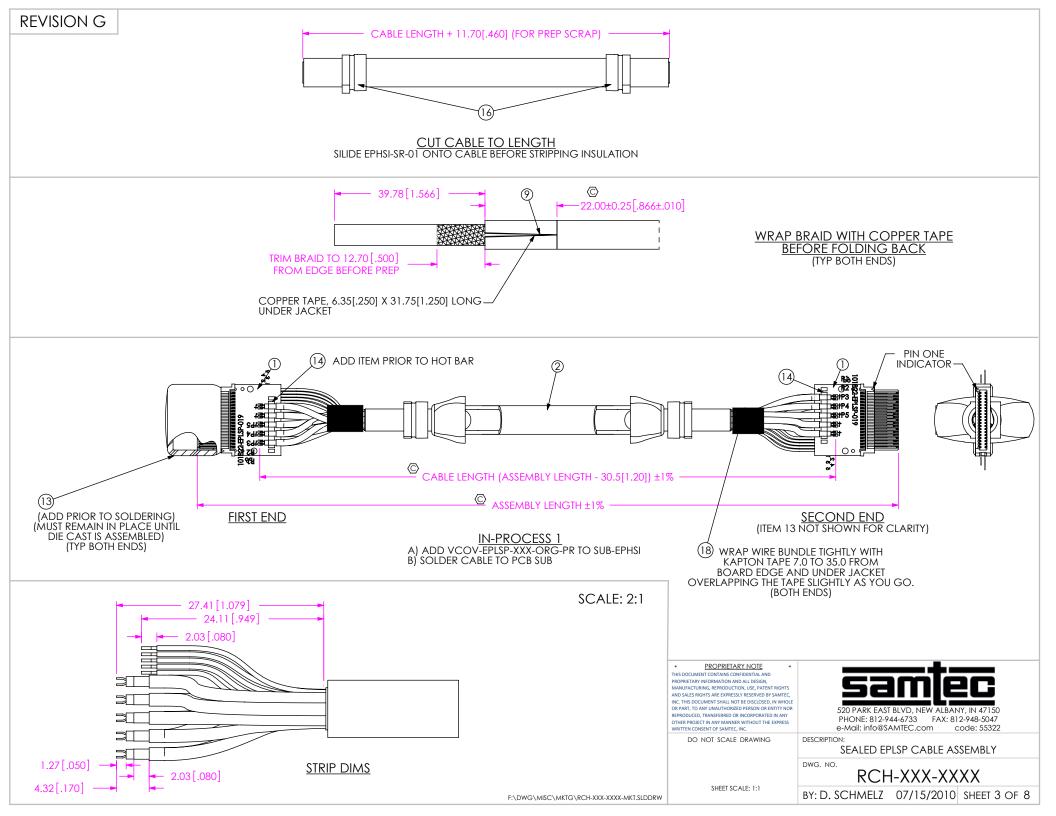
SEALED EPLSP CABLE ASSEMBLY

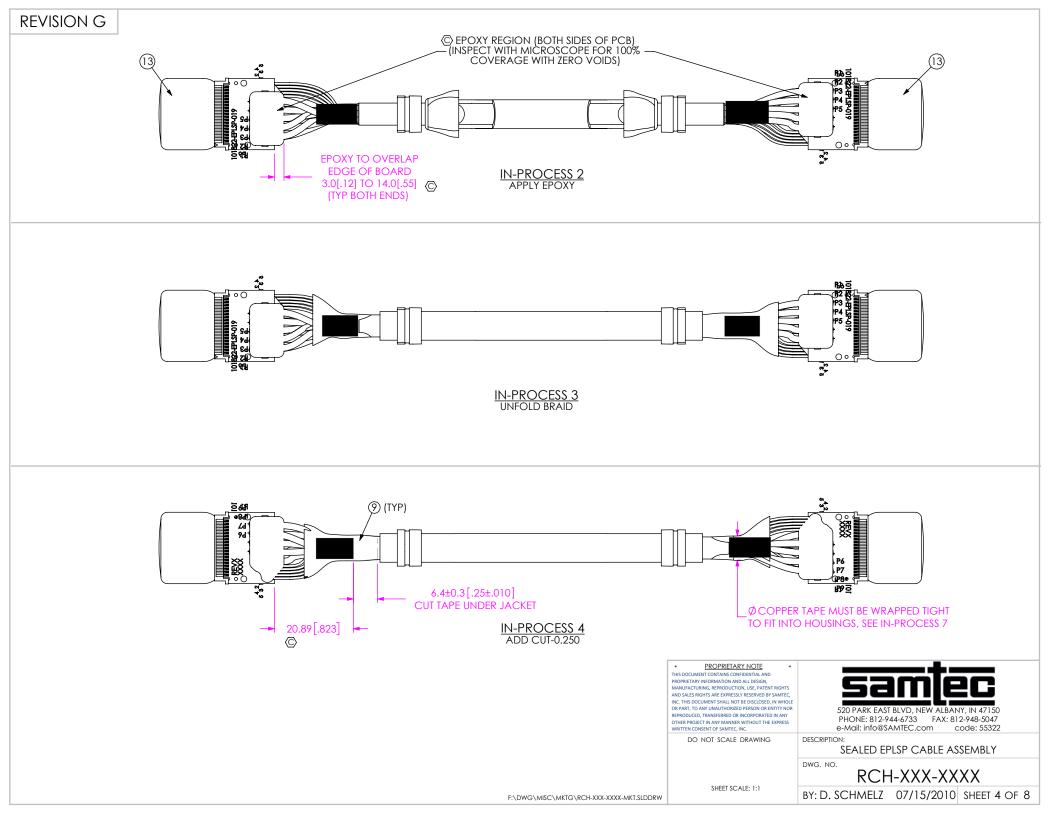
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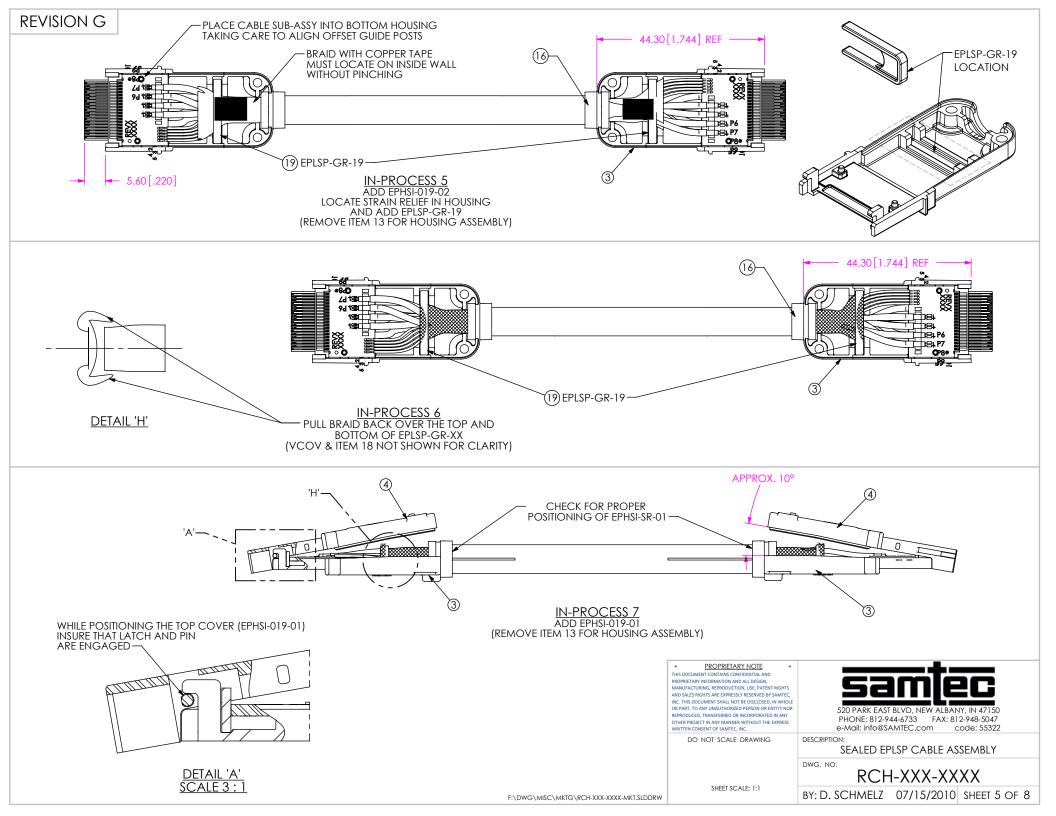
RCH-XXX-XXXX

SHEET SCALE: 2:1

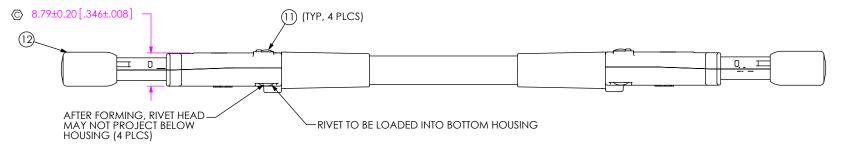
BY: D. SCHMELZ 07/15/2010 SHEET 2 OF 8



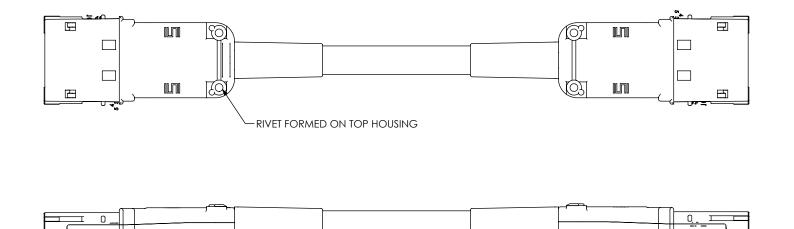








IN-PROCESS 8 A) ADD RVT-02.3-09.5-002 B) ADD ITEM 12, VCOV-EPLSP-ORG



IN-PROCESS 9 FORM RIVET

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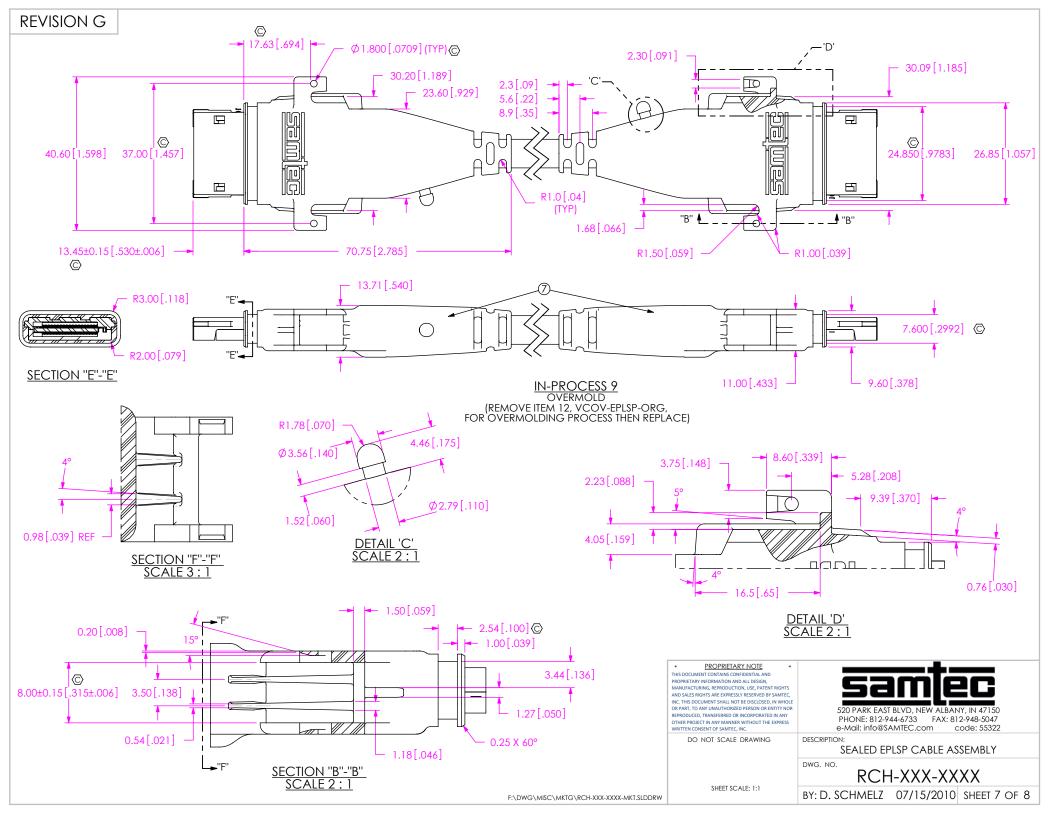
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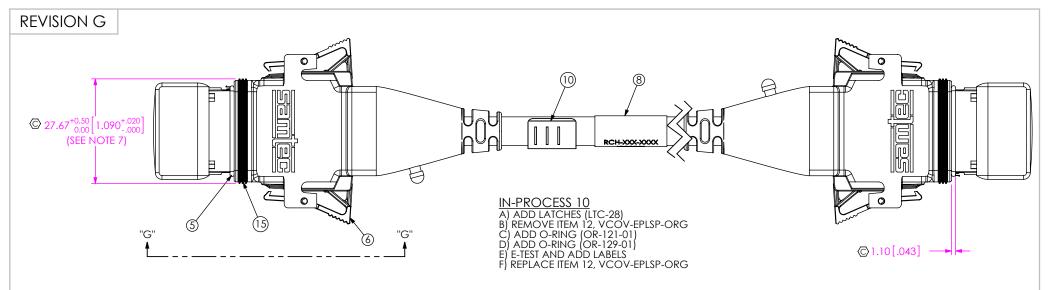
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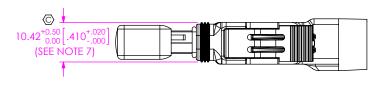
RCH-XXX-XXXX

SHEET SCALE: 1:1

BY: D. SCHMELZ 07/15/2010 SHEET 6 OF 8







SECTION "G"-"G"

TABLE 3 (PIN OUT)									
END 1	SIGNAL	END 2		Г	END 1	SIGNAL	END 2		
1	GND	1			20	GND	20	П	
2	SIGNAL	2	2	PAIR	21	SIGNAL	21	PAIR	
3	SIGNAL	3	A		22	SIGNAL	22	PA	
4	GND	4			23	GND	23		
5	SIGNAL	5	AIR		24	SIGNAL	24	PAIR	
6	SIGNAL	6	A		25	SIGNAL	25	PA	
7	GND	7			26	GND	26		
8	SIGNAL	8	AIR		27	SIGNAL	27	PAIR	
9	SIGNAL	9	₽.	č	28	SIGNAL	28		
10	GND	10			29	GND	29		
11	SIGNAL	11	PAIR		30	SIGNAL	30	PAIR	
12	SIGNAL	12	∃ ₹		31	SIGNAL	31	P	
13	GND	13			32	GND	32		
14	SIGNAL	14	AIR		33	SIGNAL	33	Р	
15	SIGNAL	15	₽		34	SIGNAL	34	Р	
16	GND	16			35	GND	35		
17	SIGNAL	17	Р		36	SIGNAL	36	Р	
18	SIGNAL	18	Р		37	N/C	37		
19	GND	19			38	GND	38		

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