DO NOT

SCALE FROM

THIS PRINT

TABLE 1

"A"

1

2

3

4

5

6

7

8

9

LENGTH

500-1999

2000-2999

3000-3999

4000-4999

5000-5999

6000-6999

7000-7999

8000-8999

9000-9999

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.

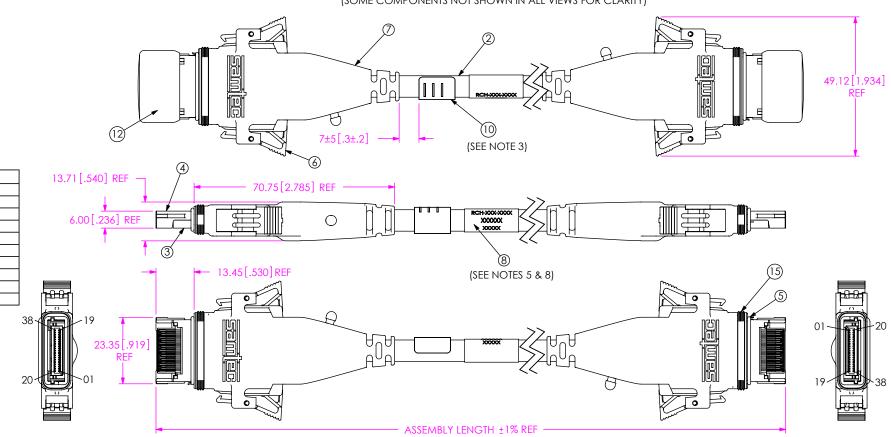
8. FOR SUB-RCH, ONLY ONE HDRL-11 LABEL IS REQUIRED, TO BE PLACED CENTERED ON THE CABLE.

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 BLOCK				
2	SUB-HSIO-32100-01-XXXX	BUNDLED 9 TWIN AX AND 5 POWER	1	SEE TITLE BLOCK				
3	EPHSI-019-02	BOTTOM HOUSING EPHSI CONNECTOR	2	ZINC A LLOY				
4	EPHSI-019-01	TOP HOUSING EPHSI CONNECTOR	2	ZINC A LLOY				
5	OR-129-01	EMI GASKET FOR RCH	2	SILVER/ALUMINUM				
6	LTC-28	PESS PLASTIC LATCH	4	PA66 RG001, BLACK				
7	MD-NYL-ZY-70G13-BK OVERMOLD		0.047 lbs	NYLON, ZYTEL, 70G13, BLACK				
8	HDRL-11 LABEL		"A"	SELF LAMINATING VINY L				
9	CUT-0.250	CUT-0.250 COPPER FOIL TAPE		COPPER FOIL, CONDUCTIVE ADHESIVE				
10	LA BEL-ET PRINTED LA BEL		1	VINYL				
11	RVT-02.3-09.5-002	EPLSP RIVET	4	ALUM. SEMI-TUBULAR PLAIN FINISH				
12	VCOV-EPLSP-019-ORG	PROTECTIVE COVER	2	VINYL				
13	VCOV-EPLSP-019-ORG-PR	PROTECTIVE COVER	2	VINYL				
14	SUB-SRP-065-015-01-00.48	SOLDER PREFORM	4	SAC 305				
15	OR-121-01 O-RING		2	NBR+SILICONE OIL				
16	EPHSI-SR-01	EPHSI-SR-01 EPHSI STRA IN RELIEF		RUBBER				
17	MD-NY L-MA-OW646-BK PREMOLD		0.0022 lbs	NY LON, LOW PRESSURE, BLACK				
18	CCS-137285-01-PP	KAPTON TAPE	2	KAPTON				
19	EPLSP-GR-19	GROUND-RING	2	316L STAINLESS STEEL				

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

ANGLES

2°

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.

TOLERANCES ARE: DECIMALS

X.X: ±0.3 X.XX: ±0.13 X.XXX: ±0.051 THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART. TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY
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PROPRIETARY NOTE

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 CONDUCTORS: COPPER

BRAID: TINNED COPPER FOIL: ALUMINUM/POLYESTER



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

THIS PRODUCT MANUFACTURED

WITH LEAD-FREE PROCESSING

(BR

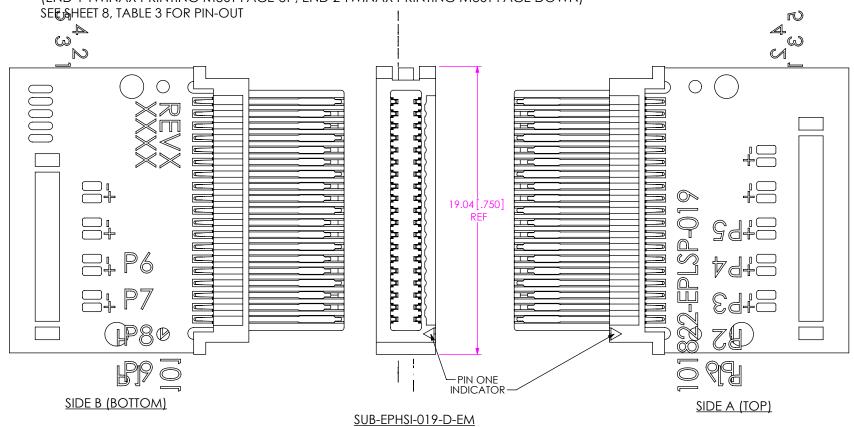
SEALED EPLSP CABLE ASSEMBLY

RCH-XXX-XXXX

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

TABLE 2 -19 CABLE PAIR LOCATION												
PAIR 1		PA	IR 2	PAIR 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												
PU3	INEG	703	NEG	PU3	NEG	PU3	NEG	GREEN	DLUE	ORANGE	PURPLE	VV III I
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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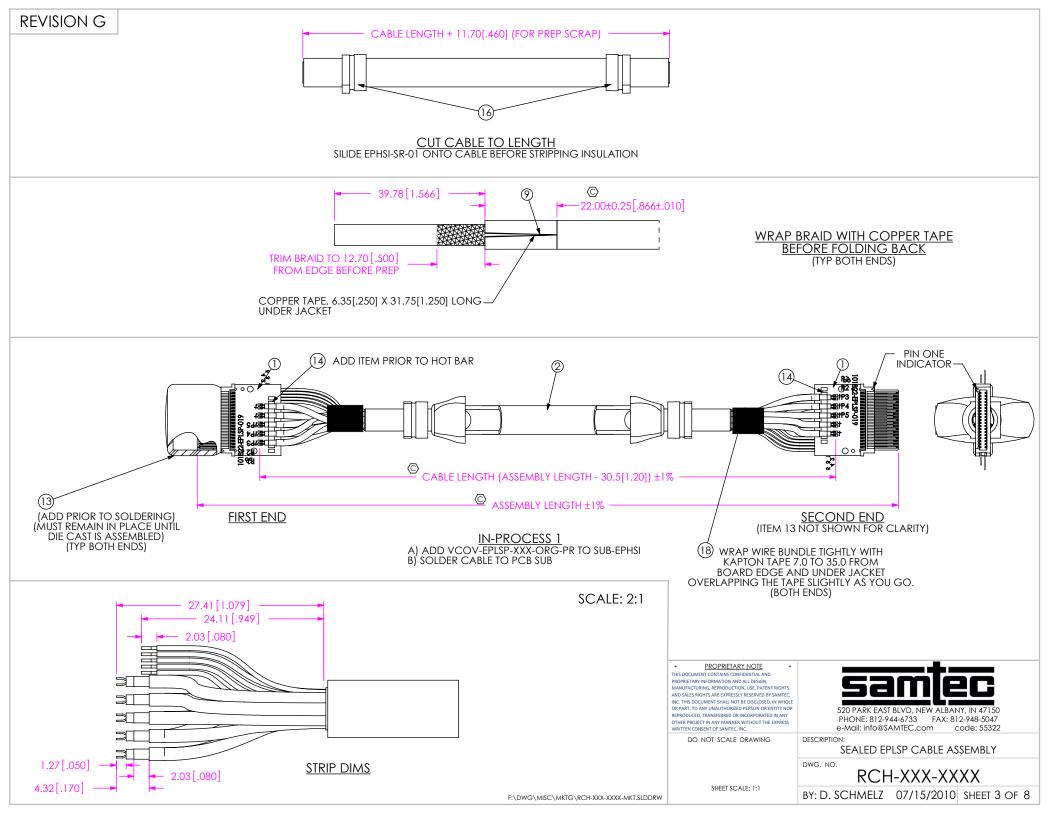
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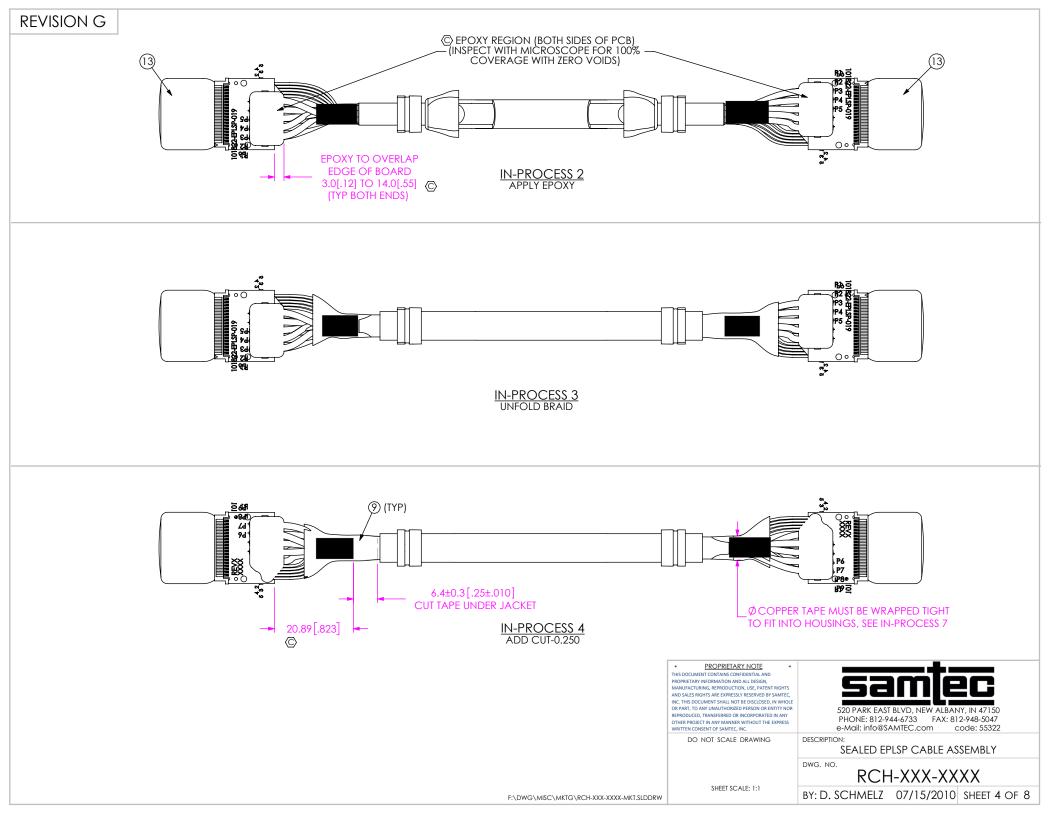
SEALED EPLSP CABLE ASSEMBLY

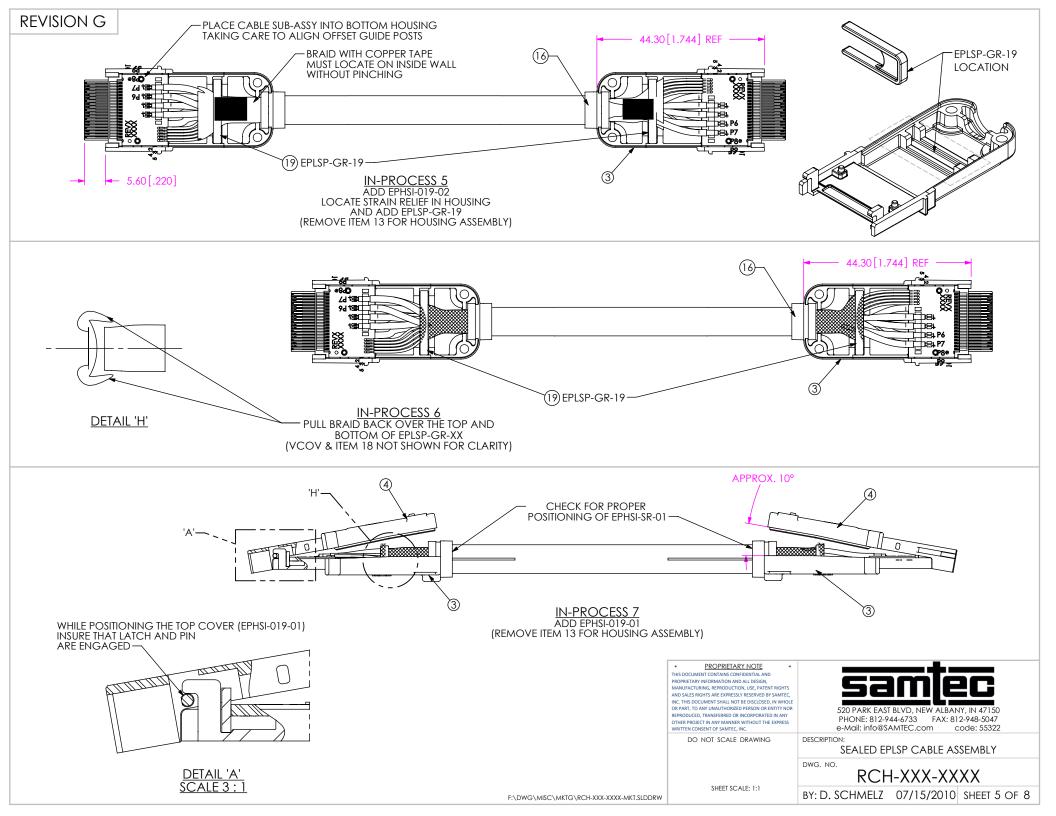
DWG. NO.

RCH-XXX-XXXX

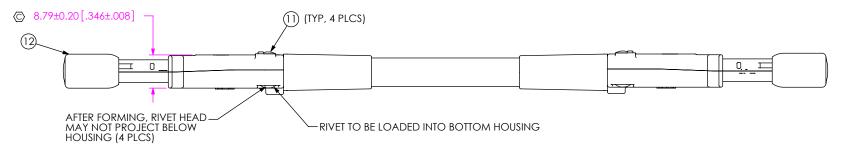
SHEET SCALE: 2:1



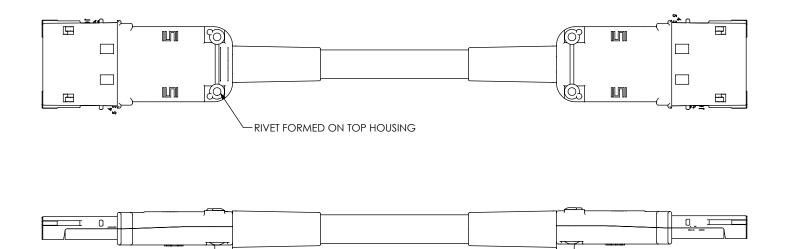








IN-PROCESS 8 A) ADD RVT-02.3-09.5-002 B) ADD ITEM 12, VCOV-EPLSP-ORG



IN-PROCESS 9 FORM RIVET

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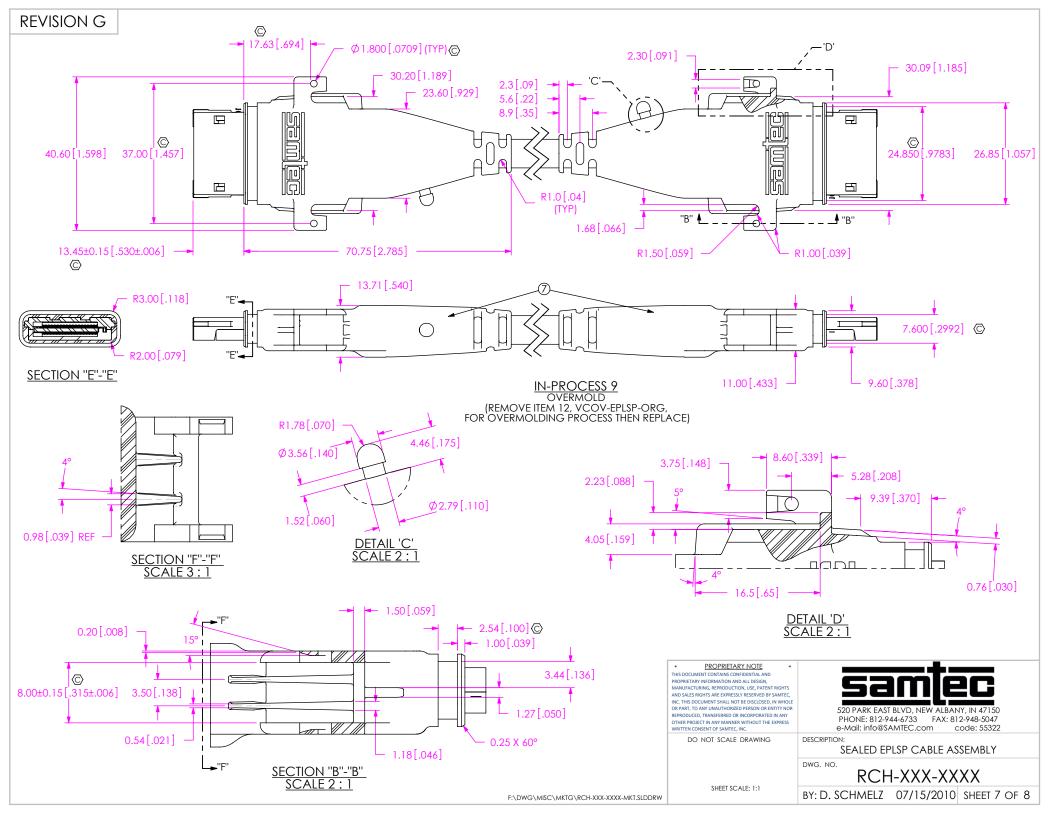
DESCRIPTION: SEALED EPLSP CABLE ASSEMBLY

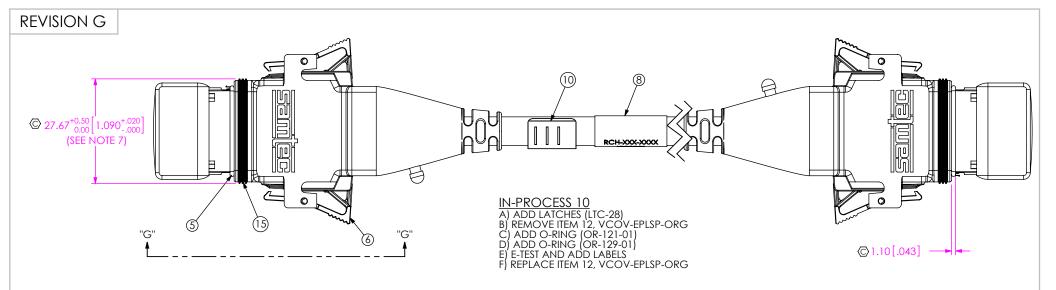
DWG. NO.

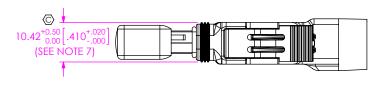
RCH-XXX-XXXX

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			END 1	SIGNAL	END 2		
1	GND	1			20	GND	20		
2	SIGNAL	2	PAIR	11	21	SIGNAL	21	PAIR	
3	SIGNAL	3	₽		22	SIGNAL	22	ΡA	
4	GND	4			23	GND	23		
5	SIGNAL	5	PAIR		24	SIGNAL	24	PAIR	
6	SIGNAL	6	Δ		25	SIGNAL	25	<u>₽</u>	
7	GND	7			26	GND	26		
8	SIGNAL	8	PAIR		27	SIGNAL	27	PAIR	
9	SIGNAL	9	P		28	SIGNAL	28]A	
10	GND	10			29	GND	29		
11	SIGNAL	11	PAIR		30	SIGNAL	30	PAIR	
12	SIGNAL	12	Δ		31	SIGNAL	31	P	
13	GND	13			32	GND	32		
14	SIGNAL	14	PAIR		33	SIGNAL	33	Р	
15	SIGNAL	15	P		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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