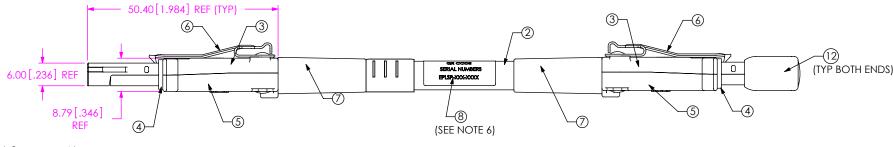
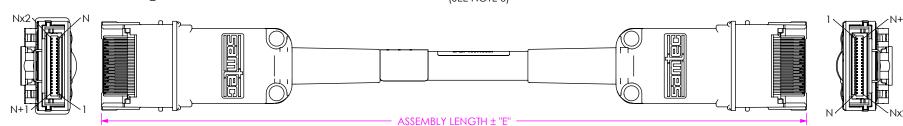
NOTES: **DESIGNED & DIMENSIONED IN MILLIMETERS REVISION AB** EPLSP-XXX-XXXX * (SEE NOTE 7) REPRESENTS A CRITICAL DIMENSION. 2. ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED FOR SHORTS AND OPENS. 3. ALL ASSEMBLIES TO BE HI-POT TESTED AT 300V.
AFTER FINAL ELECTRICAL TEST, LABEL EACH ASSEMBLY WITH 1 LABEL-ET. No OF POSITIONS ASSEMBLY LENGTH 4. ENSURE VCOV-EPLSP-XXX-ORG IS APPLIED AND PACKAGE IN CLEAR POLY-BAGS. -019 = 19 POSITION (SEE TABLE 4) PIN 1 TO 1 (IN MILLIMETERS) DO NOT -031 = 31 POSITION (SEE TABLE 5) PIN 1 TO 1 -0200 TO -9999 SCALE FROM 6. HDRL-11 IS TO BE CENTERED ON CABLE AS SHOWN. (-1000, -2000, AND -3000, THIS PRINT HORL-11 IS TO CONTAIN: QR CODE, SERIAL NUMBER & PART NUMBER.
7. THIS ASSEMBLY USES 32 AWG 100 OHM TWINAX. FOR 26 AWG 100 OHM LOW ARE STOCKED LENGTHS) SKEW PAIR CABLE CONTACT HDR@SAMTEC.COM TO REQUEST HDR-151767-XX (19 TABLE 3 POSITION) OR HDR-151768-XX (31 POSITION). FIGURE 1 "A" ' B " POS Ν N+1 Nx2 (EPLSP-019-XXXX SHOWN) -019 23.35 4 19 20 38 (SOME COMPONENTS NOT SHOWN IN ALL VIEWS FOR CLARITY) 32.95 2 8 31 32 62 48.76 [1.920] REF (TYP) -031 무 REF QR CODE (SEE TABLE 3) (SEE NOTE 3) 24.94[.982] REF 50.40 [1.984] REF (TYP)





	EPLSP-XXX-XXXX BOM								
ITEM NO.	PA RT NUMBER	DESCRIPTION	QUAI	YTITY	MATERIAL				
11 DW110.	TATATAGMELA	BESSIAI TISIV	19 POS	31 POS	WITE				
1	SUB-EPHSI-XXX-D-EM	SUB ASSEMBLY	2	2	MULTI				
2	SUB-HSIO-32100-01-XXXX	BUNDLED 9 TWIN AX AND 5 POWER	"B"	"B"	TINNED COPPER/THV				
3	EPHSI-XXX-01	TOP COVER EPHSI CONNECTOR	2	2	ZAMAK3				
4	OR-100-XXX	O-RING, EMI SEALING, EPLSP CONN	2	2	SILV ER/A LUMINUM				
5	EPHSI-XXX-02	BOTTOM COVER EPHSI CONNECTOR	2	2	ZAMAK3				
6	LTC-36-XX	LATCH, EPHSI CONNECTOR	2	2	STAINLESS, 301 TEMPER: 1/2 HARD				
7	EPHSI-SR-01	EPHSI STRA IN RELIEF	2	4	NR+BR9000				
8	HDRL-11	LABEL	1	1	SELF LAMINATING VINYL				
9	EPLSP-GR-XX	GROUNDING RING	2	2	316L STAINLESS ST⊞L				
10	LABEL-ET	PRINTED LA BEL	1	1	VINYL				
11	RVT-02.3-10.3-001	EPLSP RIVET	4	4	ALUM. SEMI-TUBULAR PLAIN FINISH				
12	VCOV-EPLSP-XXX-ORG	PROTECTIVE COVER	2	2	VINYL				
13	VCOV-EPLSP-XXX-ORG-PR	PROTECTIVE COVER	2	2	VINYL				
14	SUB-SRP-065-015-01-00.48	SOLDER PREFORM	"D"	"D"	SAC 305				
15	CCS-137285-01-PP	KAPTON TAPE	2X4"	2X8"	KA PTON				

	TABLE 6	
	ASSEMBLY L	.ENGTH
	SHORTER THAN 500 MM	OTHER LENGTH
"E"	+5%/-1%	+/-1%

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

DECIMALS X.X: ±0.3 X.XX: ±0.13 X.XXX: ±0.051

ANGLES 2°

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PROPRIETARY NOTE

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1 INSULATOR: HIGH TEMP NYLON TERMINALS: Cu ALLOY

PLATING:

-S GOLD: 30µ" CONTACT

CABLE MATERIAL: JACKET: PVC INSULATOR: DIELECTRIC CONDUCTORS: COPPER COVERS: DIECAST ZINC ALLOY RIVETS: STEEL

OVERMOLD: LDPE

BRAID: TINNED COPPER FOIL: ALUMINUM/POLYESTER



THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING



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

CABLE ASSEMBLY, EPLSP CONNECTOR

DWG. NO. EPLSP-XXX-XXXX

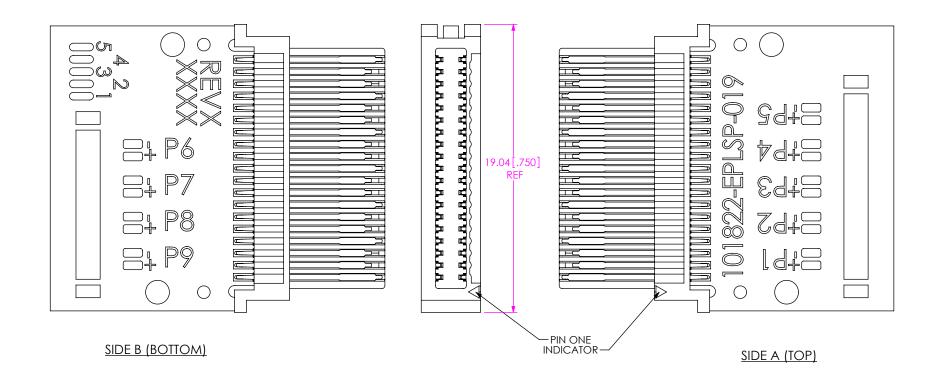
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REVISION AB

	TABLE 1 -19 CABLE PAIR LOCATION											
PA	IR 1	РА	IR 2	PA	IR 3	PA	IR 4	PAI	R 5	(P	CB 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						NEG	GREEN	BLUE	ORANGE	PURPLE	WHITE	
P2+	P2-	P3+	P3-	P1+	P1-	P9+	P9-	1	2	3	4	5
РА	PAIR 6 PAIR 7 PAIR 8 PAIR 9 DISCRETES											

(END 1 TWINAX PRINTING MUST FACE UP, END 2 TWINAX PRINTING MUST FACE DOWN) SEE SHEET 8, TABLE 4 FOR PIN-OUT



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DESCRIPTION:

CABLE ASSEMBLY, EPLSP CONNECTOR

DWG. NO.

EPLSP-XXX-XXXX

BY: D. SCHMELZ 04/08/2009 SHEET 2 OF 8

SHEET SCALE: 2:1

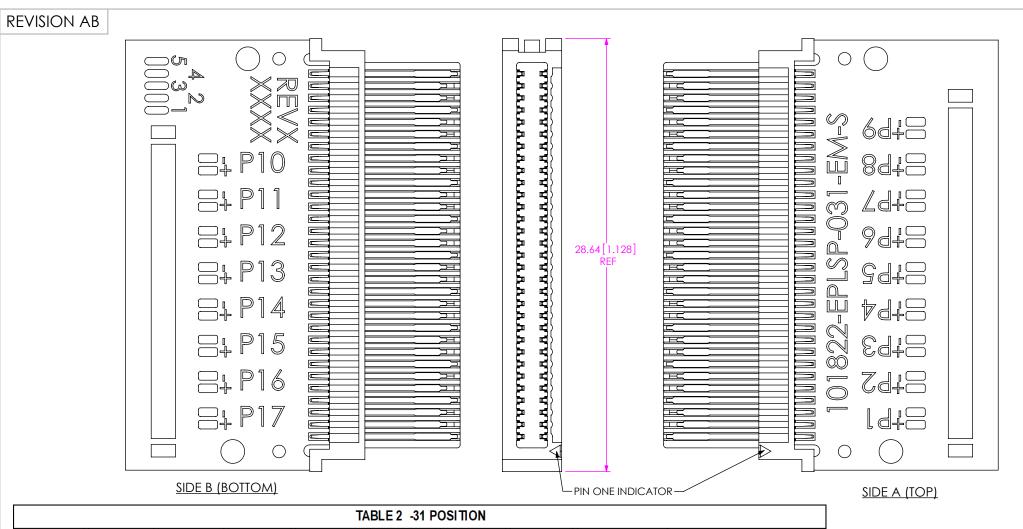


	TABLE 2 -31 POSITION																			
PAI	PAIR 1 PAIR 2 PAIR 3 PAIR 4 PAIR 5 PAIR 6 PAIR 7 PAIR 8 PAIR 9 (PCB PAIR)																			
P4+	P4-	P5+	P5-	P6+	P6-	P2+	P2-	P7+	P7-	P3+	P3-	P8+	P8-	P9+	P9-	P1+	P1-	(CA	ABLE PAIR	₹)
POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG			
D00	NEO		NEO.		luco I	D.0.0	NEO		NEO I		NEO.	D00	NEO		luco l	ODEEN	D	OBANOS	DUDDI E) A (1 11TE
POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	IPOS	NEG	GREEN	BLUE	ORANGE	PURPLE	WHILE
P4+	P4-	P5+	P5-	P6+	P6-	P3+	P3-	P1+	P1-	P7+	P7-	P8+	P8-	P9+	P9-	1	2	3	4	5
PAI	PAIR 10 PAIR 11 PAIR 12 PAIR 13 PAIR 14 PAIR 15 PAIR 16 PAIR 17 DISCRETES																			

(END 1 TWINAX PRINTING MUST FACE UP, END 2 TWINAX PRINTING MUST FACE DOWN) SEE SHEET 8, TABLE 5 FOR PIN-OUT

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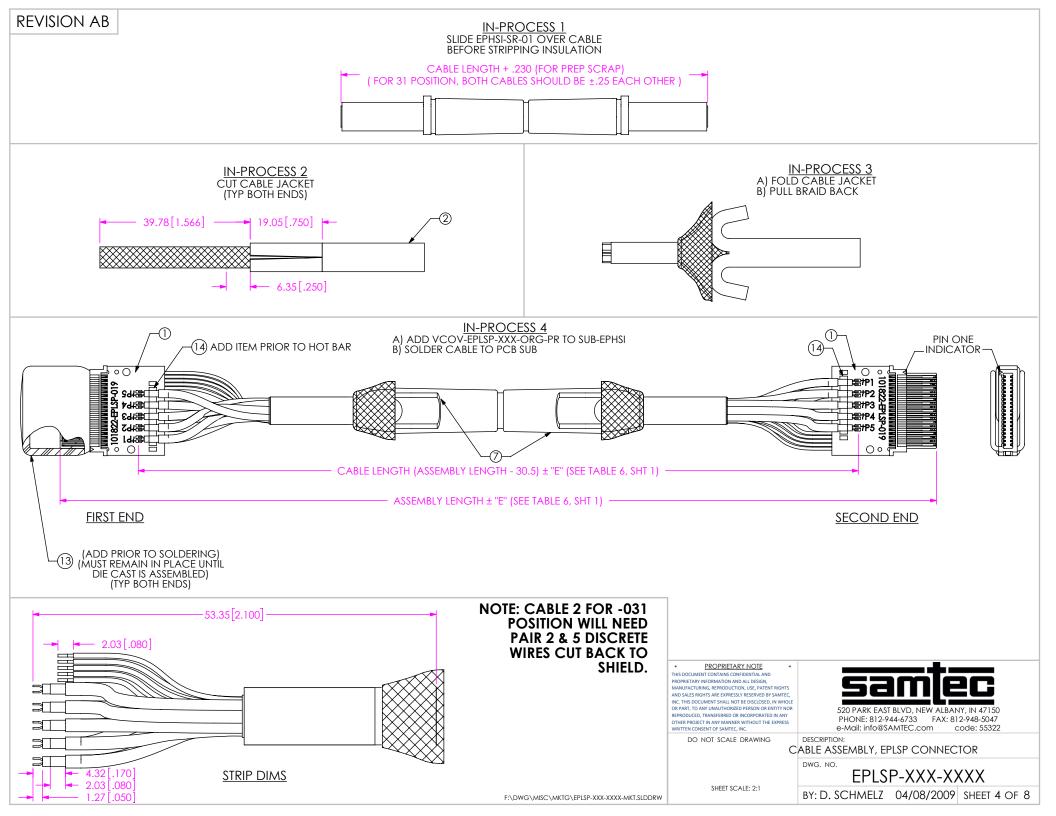
CABLE ASSEMBLY, EPLSP CONNECTOR

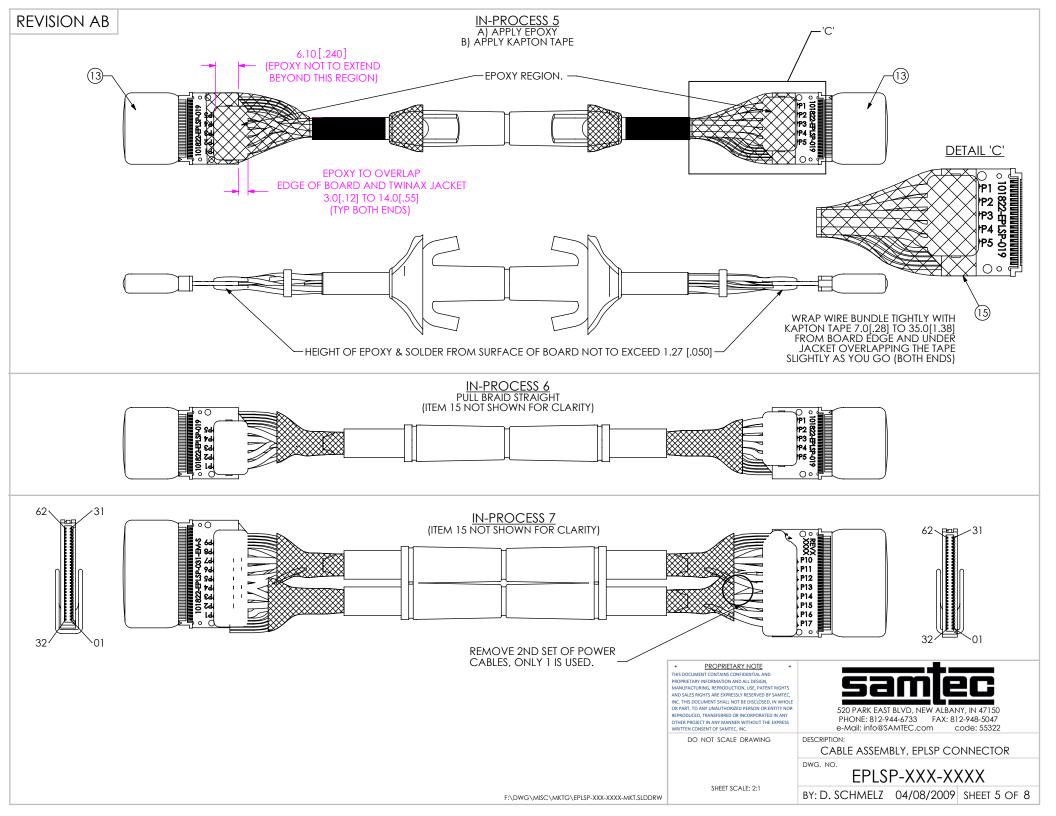
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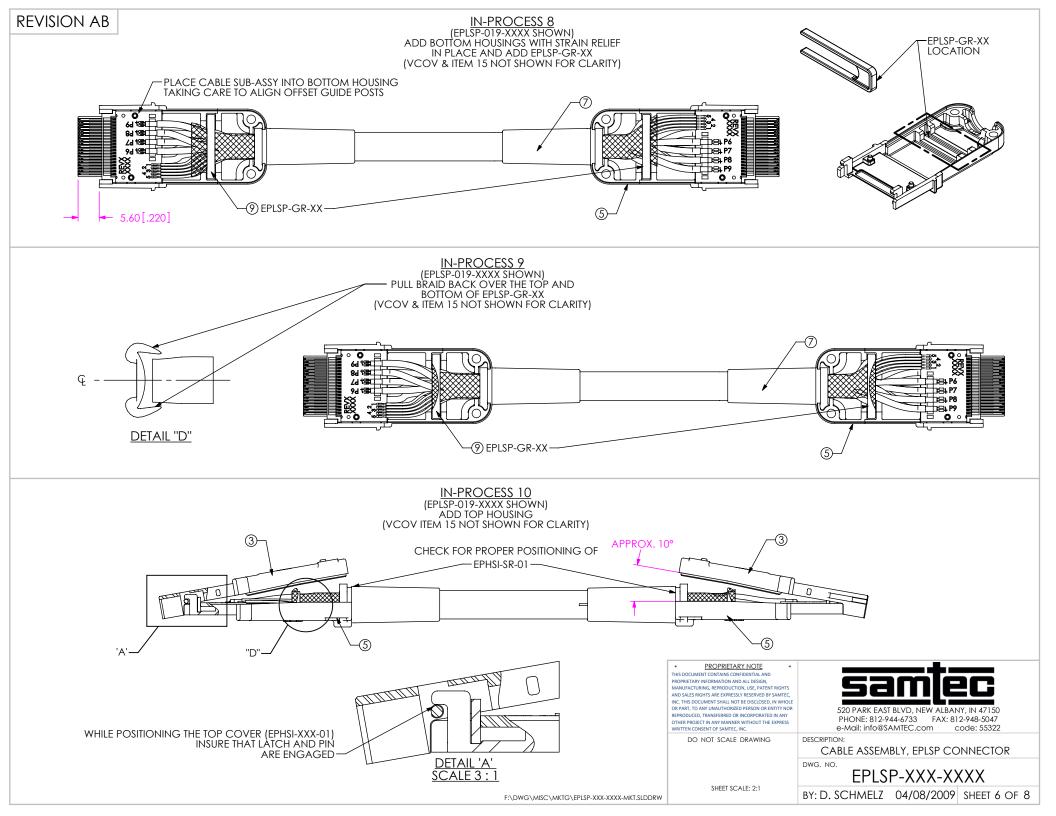
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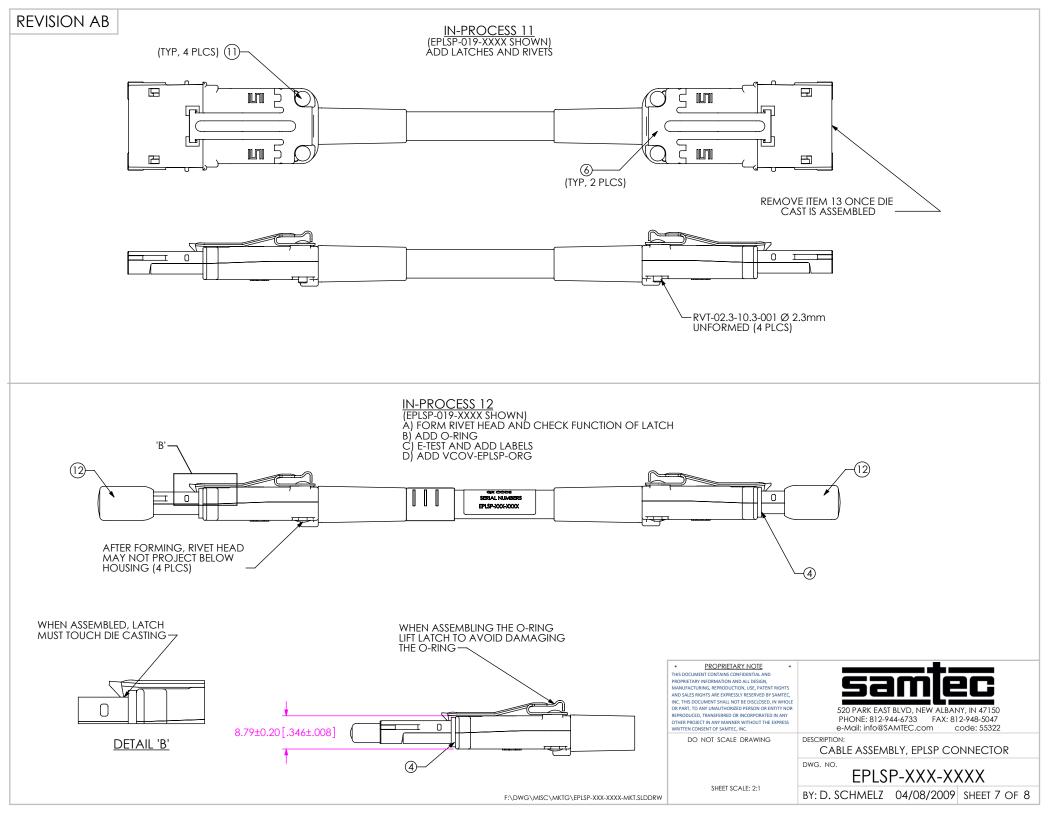
SHEET SCALE: 2:1

BY: D. SCHMELZ 04/08/2009 SHEET 3 OF 8









REVISION AB

TAB	LE 4 (019 F	PIN OUT)	
END 1	SIGNAL	END 2	
1	GND	1	
2	SIGNAL	2	₩
3	SIGNAL	3	PAIR
4	GND	4	
5	SIGNAL	5	꼰
6	SIGNAL	6	PAIR
7	GND	7	
8	SIGNAL	8	꼰
9	SIGNAL	9	PAIR
10	GND	10	
11	SIGNAL	11	₩
12	SIGNAL	12	PAIR
13	GND	13	
14	SIGNAL	14	꼰
15	SIGNAL	15	PAIR
16	GND	16	
17	SIGNAL	17	Р
18	SIGNAL	18	Р
19	GND	19	
20	GND	20	
21	SIGNAL	21	R
22	SIGNAL	22	PAIR
23	GND	23	
24	SIGNAL	24	꼰
25	SIGNAL	25	PAIR
26	GND	26	
27	SIGNAL	27	R
28	SIGNAL	28	PAIR
29	GND	29	
30	SIGNAL	30	R
31	SIGNAL	31	PAIR
32	GND	32	
33	SIGNAL	33	Р
34	SIGNAL	34	Р
35	GND	35	
36	SIGNAL	36	Р
37	NC	37	
38	GND	38	

TAB	LE 5 (031 F	PIN OUT)	
END 1	SIGNAL	END 2	
1	GND	1	
3	SIGNAL	2	PAIR
3	SIGNAL	3	₽δ
4	GND	4	
5	SIGNAL	5	PAIR
6	SIGNAL	6	PA
7	GND	7	
8	SIGNAL	8	PAIR
9	SIGNAL	9	PA
10	GND	10	
11	SIGNAL	11	씸
12	SIGNAL	12	PAIR
13	GND	13	
14	SIGNAL	14	PAIR
15	SIGNAL	15	PA
16	GND	16	
17	SIGNAL	17	R
18	SIGNAL	18	PAIR
19	GND	19	
20	SIGNAL	20	R
21	SIGNAL	21	PAIR
22	GND	22	
23	SIGNAL	23	낕
24	SIGNAL	24	PAIR
25	GND	25	
26	SIGNAL	26	Ē
27	SIGNAL	27	PAIR
28	GND	28	
29	SIGNAL	29	P P
30	SIGNAL	30	Р
31	GND	31	

TABLE 5 (031 PIN OUT) (cont)							
END 1	SIGNAL	END 2					
32	GND	32					
33	SIGNAL	33	PAIR				
34	SIGNAL	34	ΡA				
35	GND	35					
36	SIGNAL	36	PAIR				
37	SIGNAL	37	PA				
38	GND	38					
39	SIGNAL	39	PAIR				
40	SIGNAL	40	PA				
41	GND	41					
42	SIGNAL	42	PAIR				
43	SIGNAL	43	ΡA				
44	GND	44					
45	SIGNAL	45	PAIR				
46	SIGNAL	46	PA				
47	GND	47					
48	SIGNAL	48	PAIR				
49	SIGNAL	49	PA				
50	GND	50					
51	SIGNAL	51	PAIR				
52	SIGNAL	52	PA				
53	GND	53					
54	SIGNAL	54	PAIR				
55	SIGNAL	55	PA				
56	GND	56					
57	SIGNAL	57	Р				
58	SIGNAL	58	Р				
59	GND	59					
60	SIGNAL	60	Р				
61	NC	61					
62	GND	62					

OVERALL SHIELD TO BE TESTED SEPARATE FROM THE INTERNAL GROUND

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DWG NO

EPLSP-XXX-XXXX

SHEET SCALE: 2:1

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