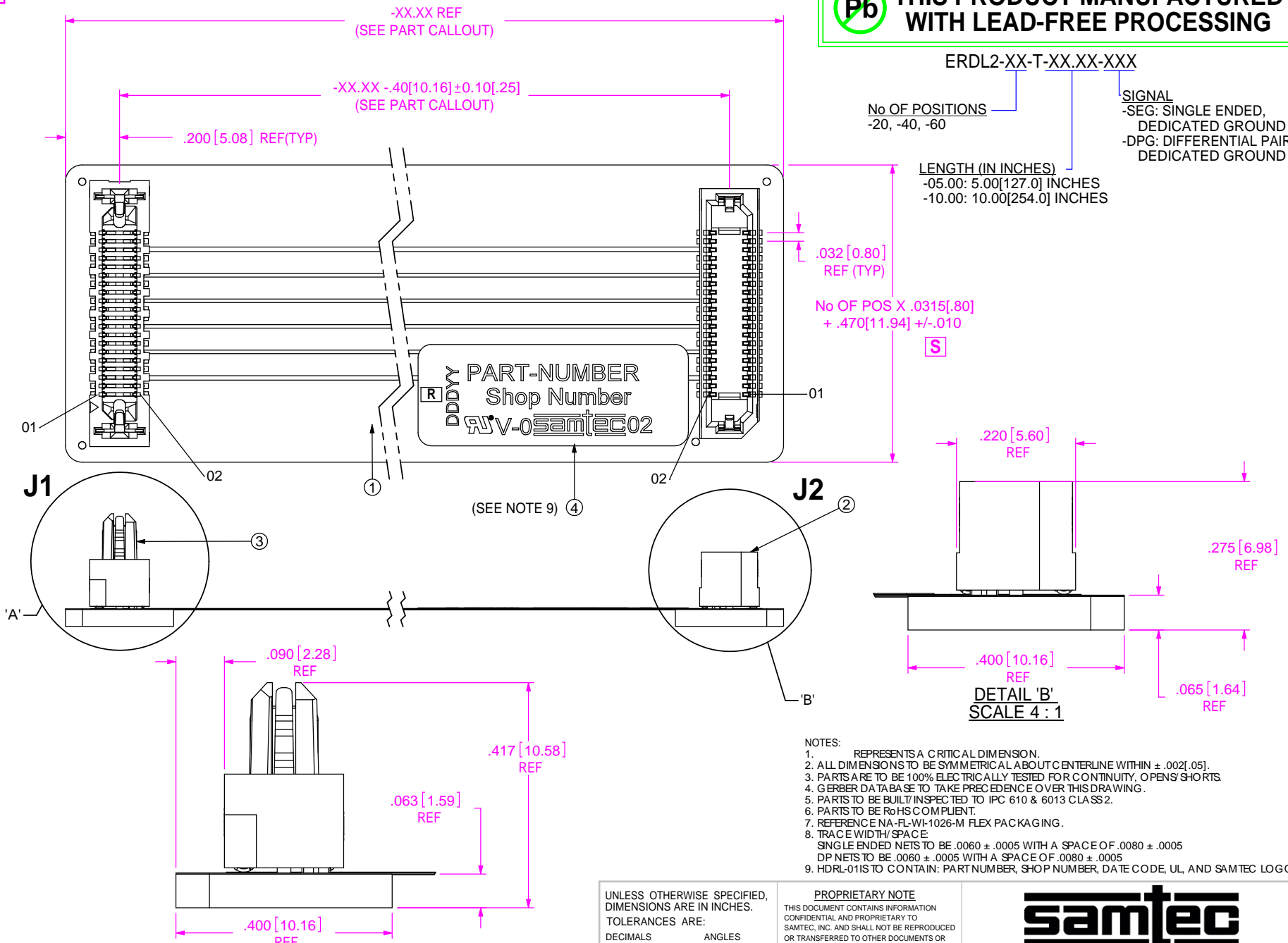


Pb THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING



- NOTES:
1. REPRESENTS A CRITICAL DIMENSION.
 2. ALL DIMENSIONS TO BE SYMMETRICAL ABOUT CENTERLINE WITHIN $\pm .002[.05]$.
 3. PARTS ARE TO BE 100% ELECTRICALLY TESTED FOR CONTINUITY, OPENS/SHORTS.
 4. GERBER DATABASE TO TAKE PRECEDENCE OVER THIS DRAWING.
 5. PARTS TO BE BUILT/INSPECTED TO IPC 610 & 6013 CLASS 2.
 6. PARTS TO BE RoHS COMPLIANT.
 7. REFERENCE NA-FL-WI-1026-M FLEX PACKAGING.
 8. TRACE WIDTH/SPACE: SINGLE ENDED NETS TO BE $.0060 \pm .0005$ WITH A SPACE OF $.0080 \pm .0005$; DP NETS TO BE $.0060 \pm .0005$ WITH A SPACE OF $.0080 \pm .0005$.
 9. HDRL-01S TO CONTAIN: PART NUMBER, SHOP NUMBER, DATE CODE, UL, AND SAMTEC LOGO.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
 TOLERANCES ARE:
 DECIMALS ANGLES
 .XX: $\pm .01 [.3]$ 2°
 .XXX: $\pm .005 [.13]$
 .XXXX: $\pm .0020 [.051]$

PROPRIETARY NOTE
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samtec
 520 PARK EAST BLVD, NEW ALBANY, IN 47150
 PHONE 812-944-6733 FAX: 812-948-5047
 e-Mail info@SAMTEC.com code 55322

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE 1:1
 INSULATOR: VECTRA E130i, COLOR: BLACK
 CONTACT OR TERMINAL:
 MAX FLASH ALLOWED: $.002[.05]$
 MAX GATE VESTIGE: $.002[.05]$

DESCRIPTION:
 ERx8 FLEX CIRCUIT
 DWG. NO. ERDL2-XX-T-XX.XX-XXX
 BY: A.OWENS 03/12/08 SHEET 1 OF 2

ITEM NO.	PART NUMBER	DESCRIPTION	QUANTITY	MATERIAL
1	SUB-ERDL2-XX-T-XX.XX-XXX	FLEX SUB ASSEMBLY	1	SUB-ASSEMBLY
2	ERF8-XXX-05.0-L-DV-L	CONNECTOR	1	SUB-ASSEMBLY
3	ERM8-XXX-05.0-L-DV-L	CONNECTOR	1	SUB-ASSEMBLY
4	HDRL-01	LABEL	1	POLYESTER

ERDL2-20-SEG			ERDL2-20-DPG			
*Ground is common			*Ground is common			
J1 Pin	Signal	J2 Pin	J1 Pin	Signal	J2 Pin	DP Pair
1	G	1	1	S	1	Pair
2	S	2	3	S	3	
3	S	3	5	G	5	Pair
4	G	4	2	S	2	
5	G	5	4	S	4	Pair
6	S	6	6	G	6	
7	S	7	7	S	7	Pair
8	G	8	9	S	9	
9	G	9	11	G	11	Pair
10	S	10	8	S	8	
11	S	11	10	S	10	Pair
12	G	12	12	G	12	
13	G	13	13	S	13	Pair
14	S	14	15	S	15	
15	S	15	17	G	17	Pair
16	G	16	14	S	14	
17	G	17	16	S	16	Pair
18	S	18	18	G	18	
19	S	19	19	S	19	Pair
20	G	20	21	S	21	
21	G	21	23	G	23	Pair
22	S	22	20	S	20	
23	S	23	22	S	22	Pair
24	G	24	24	G	24	
25	G	25	25	S	25	Pair
26	S	26	27	S	27	
27	S	27	29	G	29	Pair
28	G	28	26	S	26	
29	G	29	28	S	28	Pair
30	S	30	30	G	30	
31	S	31	31	S	31	Pair
32	G	32	33	S	33	
33	G	33	35	G	35	Pair
34	S	34	32	S	32	
35	S	35	34	S	34	Pair
36	G	36	36	G	36	
37	G	37	37	S	37	No connect
38	S	38	39	S	39	
39	S	39	38	S	38	Pair
40	G	40	40	S	40	

TABLE 1

FLEX PART #	A ASSEMBLY PART NUMBER
10659	ERDL2-20-T-05.00-DPG (assembled from 10610)
10663	ERDL2-40-T-05.00-DPG (assembled from 10611)
10667	ERDL2-60-T-05.00-DPG (assembled from 10612)
10671	ERDL2-20-T-05.00-SEG (assembled from 10613)
10675	ERDL2-40-T-05.00-SEG (assembled from 10614)
10679	ERDL2-60-T-05.00-SEG (assembled from 10615)
10683	ERDL2-20-T-10.00-DPG (assembled from 10616)
10687	ERDL2-40-T-10.00-DPG (assembled from 10617)
10691	ERDL2-60-T-10.00-DPG (assembled from 10618)
10695	ERDL2-20-T-10.00-SEG (assembled from 10619)
10699	ERDL2-40-T-10.00-SEG (assembled from 10620)
10703	ERDL2-60-T-10.00-SEG (assembled from 10621)

ERDL2-40-SEG		
*Ground is common		
J1 Pin	Signal	J2 Pin
1	G	1
2	S	2
3	S	3
4	G	4
5	G	5
6	S	6
7	S	7
8	G	8
9	G	9
10	S	10
11	S	11
12	G	12
13	G	13
14	S	14
15	S	15
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
61	G	61
62	S	62
63	S	63
64	G	64
65	G	65
66	S	66
67	S	67
68	G	68
69	G	69
70	S	70
71	S	71
72	G	72
73	G	73
74	S	74
75	S	75
76	G	76
77	G	77
78	S	78
79	S	79
80	G	80

ERDL2-40-DPG			
*Ground is common			
J1 Pin	Signal	J2 Pin	DP Pair
1	S	1	Pair
3	S	3	
5	G	5	Pair
2	S	2	
4	S	4	Pair
6	G	6	
7	S	7	Pair
9	S	9	
11	G	11	Pair
8	S	8	
10	S	10	Pair
12	G	12	
13	S	13	Pair
15	S	15	
17	G	17	Pair
"	"	"	
"	"	"	
"	"	"	
"	"	"	
"	"	"	
"	"	"	
61	S	61	Pair
63	S	63	
65	G	65	Pair
62	S	62	
64	S	64	Pair
66	G	66	
67	S	67	Pair
69	S	69	
71	G	71	Pair
68	S	68	
70	S	70	Pair
72	G	72	
73	S	73	Pair
75	S	75	
77	G	77	Pair
74	S	74	
76	S	76	Pair
78	G	78	
79	S	79	No Connect
80	S	80	

ERDL2-60-SEG		
*Ground is common		
J1 Pin	Signal	J2 Pin
1	G	1
2	S	2
3	S	3
4	G	4
5	G	5
6	S	6
7	S	7
8	G	8
9	G	9
10	S	10
11	S	11
12	G	12
13	G	13
14	S	14
15	S	15
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
101	G	101
102	S	102
103	S	103
104	G	104
105	G	105
106	S	106
107	S	107
108	G	108
109	G	109
110	S	110
111	S	111
112	G	112
113	G	113
114	S	114
115	S	115
116	G	116
117	G	117
118	S	118
119	S	119
120	G	120

ERDL2-60-DPG			
*Ground is common			
J1 Pin	Signal	J2 Pin	DP Pair
1	S	1	Pair
3	S	3	
5	G	5	Pair
2	S	2	
4	S	4	Pair
6	G	6	
7	S	7	Pair
9	S	9	
11	G	11	Pair
8	S	8	
10	S	10	Pair
12	G	12	
13	S	13	Pair
15	S	15	
17	G	17	Pair
"	"	"	
"	"	"	
"	"	"	
"	"	"	
"	"	"	
"	"	"	
103	S	103	Pair
105	S	105	
107	G	107	Pair
104	S	104	
106	S	106	Pair
108	G	108	
109	S	109	Pair
111	S	111	
113	G	113	Pair
110	S	110	
112	S	112	Pair
114	G	114	
115	S	115	Pair
117	S	117	
119	G	119	Pair
116	S	116	
118	S	118	Pair
120	G	120	

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DO NOT SCALE DRAWING

SHEET SCALE: 1:1



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DESCRIPTION:

ERx8 FLEX CIRCUIT

DWG. NO.

ERDL2-XX-T-XX.XX-XXX

BY: A.OWENS 03/12/08

SHEET 2 OF 2