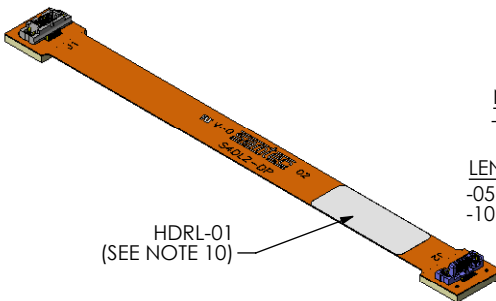


REVISION

2	SM	A Owens
8/18/2009	ECN-115447	
UPDATE THE SS4 CONNECTOR CALL OUTS IN TABLE 1 TO ADD THE "K" AND "TR" AND THE ST4 CONNECTOR TO ADD THE "P" AND "L"		
3	SM	M PUFFER
8/31/2009	ECN-116118	
FIG 1: REPLACE 2 AND 3 CALLOUT BALLOONS WITH SEE TABLE 1. TABLE 1: REMOVE ASTERISK FROM SUB-S4DL2-30-T-05.00-DP. REPLACE -STX CONNECTOR FOR S4DL2-50-T-05.00-XXX-XXX WITH SS4-50-3.00-L-D-L-K-TR		
4	DS	M PUFFER
10/2/2009	ECN-117815	
UPDATE TABLE 3		
A	DS	M PUFFER
11/13/2009	ECN-120304	
RELEASE FOR PRODUCTION; DRAWING NAME AND PART CALLOUTS: CHG S4DL2-XX-T-XX-XX-XXX-XXX TO S4DL2-XX-XX-XXX-XXX-DP. UPDATE PART NUMBERS IN TABLES 1 & 2. NOTE 6: CHG "PARTS TO BE FOAM LAYER PACKAGED" TO "REFERENCE NA-FL-WI-1026-M FOR PACKAGING STANDARDS"; TABLE 1: REMOVE ASTERISKS FROM SUB-S4DL2-10-10.00-DP, SUB-S4DL2-30-10.00-DP, AND SUB-S4DL2-50-10.00-DP; SHT 2: ADD FIG. 2 & 3		

**Pb** THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING



S4DL2-XX-XX.XX-XXX-XXX-DP [A]

No OF POSITIONS  
-10, -30, -50

SIGNAL  
-DP: DIFFERENTIAL PAIR

LENGTH (IN INCHES)  
-05.00: (5 INCH)[127.0]  
-10.00: (10 INCH)[254.0]

FIRST END (J1)

-TTR: TERMINAL, TOP, RIGHT  
-TTL: TERMINAL, TOP, LEFT  
-STR: SOCKET, TOP, RIGHT  
-STL: SOCKET, TOP, LEFT

SECOND END (J2)

-TTR: TERMINAL, TOP, RIGHT  
-TTL: TERMINAL, TOP, LEFT  
-STR: SOCKET, TOP, RIGHT  
-STL: SOCKET, TOP, LEFT

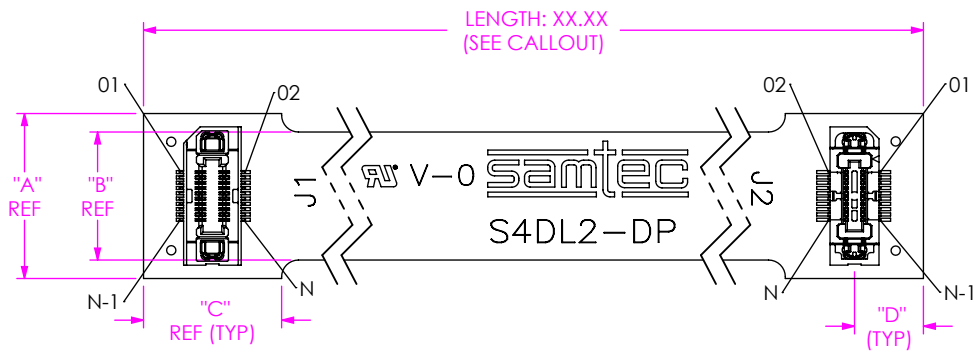


		TABLE 3 (PIN-OUT)			
		END 2			
		-TTR	-TTL	-STR	-STL
END 1	-TTR	1 TO 2	1 TO N-1	1 TO N	1 TO 1
	-TTL	1 TO N-1	1 TO 2	1 TO 1	1 TO N
	-STR	1 TO N	1 TO 1	1 TO 2	1 TO N-1
	-STL	1 TO 1	1 TO N	1 TO N-1	1 TO 2

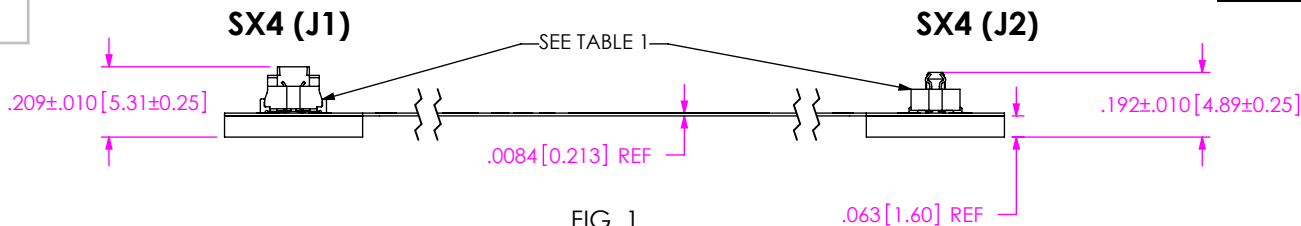


FIG. 1 (S4DL2-10-XX.XX-STL-TTR SHOWN)

TABLE 4		
No. OF POSITIONS	N	N-1
-010	20	19
-030	60	59
-050	100	99

[A]

TABLE 1

ASSEMBLY PART #	BARE FLEX	SOCKET (-STX)	TERMINAL (-TTX)
S4DL2-10-05.00-XXX-XXX-DP	SUB-S4DL2-10-05.00-DP	SS4-10-3.00-L-D-L-K-TR	ST4-10-1.00-L-D-L-P-TR
S4DL2-10-10.00-XXX-XXX-DP	SUB-S4DL2-10-10.00-DP	SS4-10-3.00-L-D-L-K-TR	ST4-10-1.00-L-D-L-P-TR
S4DL2-30-05.00-XXX-XXX-DP	SUB-S4DL2-30-05.00-DP	SS4-30-3.00-L-D-L-K-TR	ST4-30-1.00-L-D-L-P-TR
S4DL2-30-10.00-XXX-XXX-DP	SUB-S4DL2-30-10.00-DP	SS4-30-3.00-L-D-L-K-TR	ST4-30-1.00-L-D-L-P-TR
S4DL2-50-05.00-XXX-XXX-DP	* SUB-S4DL2-50-05.00-DP	SS4-50-3.00-L-D-L-K-TR	ST4-50-1.00-L-D-L-P-TR
S4DL2-50-10.00-XXX-XXX-DP	SUB-S4DL2-50-10.00-DP	SS4-50-3.00-L-D-L-K-TR	ST4-50-1.00-L-D-L-P-TR

\* NOT RELEASED FOR PRODUCTION

[A]

TABLE 2

NO of POS	FLEX	"A"	"B"	"C"	"D"
-10	S4DL2-10-XX.XX-DP	0.491 [12.47]	0.381 [9.68]	0.411 [10.44]	0.205 [5.21]
-30	S4DL2-30-XX.XX-DP	1.083 [27.51]	0.976 [24.79]	0.611 [15.52]	0.305 [7.75]
-50	S4DL2-50-XX.XX-DP	1.727 [43.87]	1.627 [41.33]	0.864 [21.95]	0.432 [10.97]

NOTES:

1. **C1-D-ET** REPRESENTS A CRITICAL DIMENSION.
2. PARTS ARE TO BE 100% ELECTRICALLY TESTED FOR CONTINUITY. OPENS SHORTS.
3. GERBER DATABASE TO TAKE PRECEDENCE OVER THIS DRAWING.
4. PARTS TO BE BUILT INSPECTED TO IPC 610 & 6013 CLASS 2.
5. PARTS TO BE RoHS COMPLIANT.
6. REFERENCE NA-FL-WI-1026-M FOR PACKAGING STANDARDS.
7. TRACE WIDTH/SPACE:  
DPNETS TO BE 0.0055" +/- .0005 WITH A SPACE OF 0.010" +/- .0005
8. IMPEDANCE TO BE 100 OHM ON -DP ±10%
9. SEE TABLE 3 FOR PIN-OUT.
10. LABEL TO CONTAIN: PART #, SHOP #, AND DATE CODE
11. FOR PROCESSING INFORMATION ON ASSEMBLIES REFERENCE S4DL2-TRAVELER

F:\DWG\Flex\STD\S4DL2\_S4DL2-TRAVELER.xls

TOLERANCES DO NOT APPLY TO REFERENCE DIMENSIONS, UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.  
TOLERANCES ARE:  
DECIMALS .XX: ±.01 [3]  
.XXX: ±.005 [13]  
.XXXX: ±.002 [051]  
ANGLES 2°

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SHEET SCALE: 1:1

DESCRIPTION: S4DL2 FLEX CIRCUIT

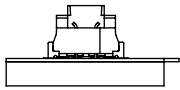
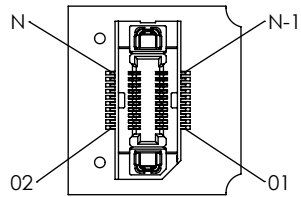
DWG. NO. S4DL2-XX-XX.XX-XXX-XXX-DP

BY: D. SCHMELZ 03/03/09 SHEET 1 OF 2

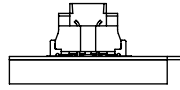
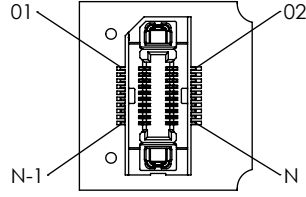
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**SECOND END**

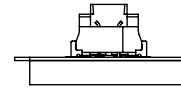
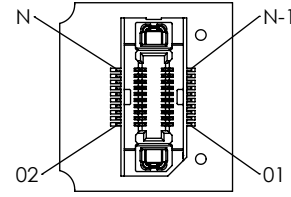
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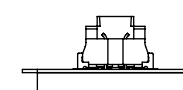
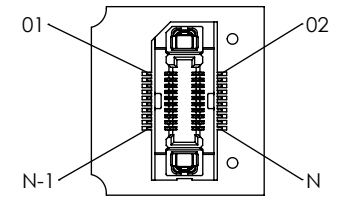
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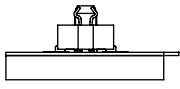
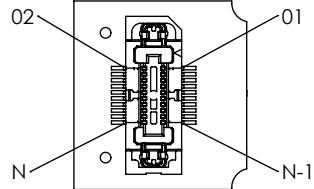
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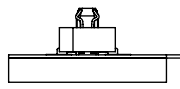
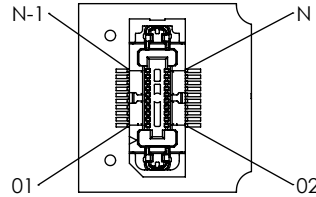
**-STL**



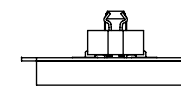
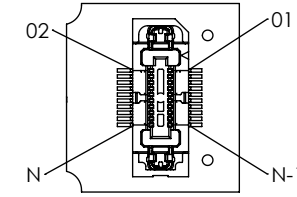
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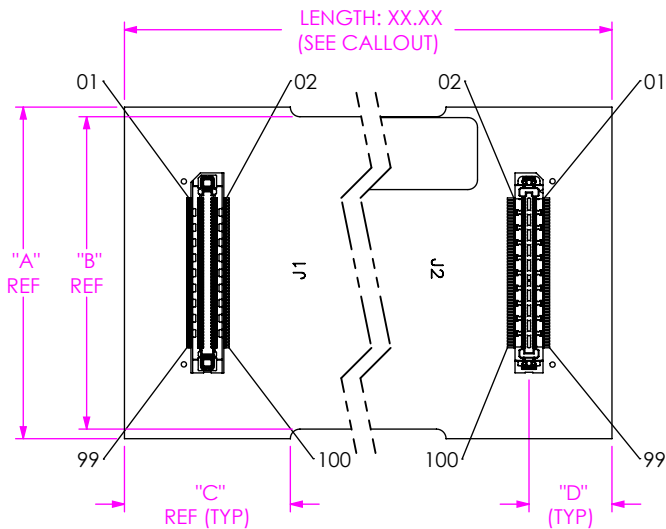
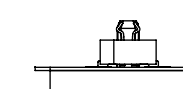
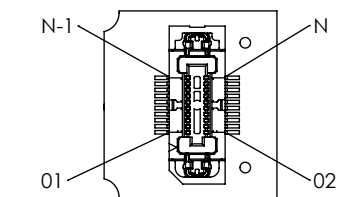
**-TTL**



**-TTR**

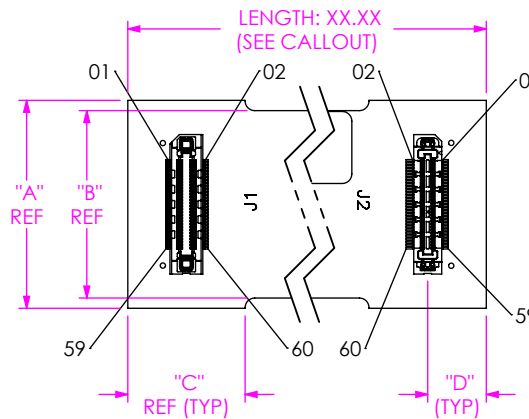


**-TTL**



**A**

**FIG. 2**  
(S4DL2-50-XX.XX-STL-TTR SHOWN)



**A**

**FIG. 3**  
(S4DL2-30-XX.XX-STL-TTR SHOWN)

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e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION: S4DL2 FLEX CIRCUIT

DWG. NO. S4DL2-XX-XX.XX-XXX-XXX-DP

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