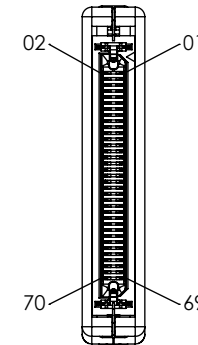
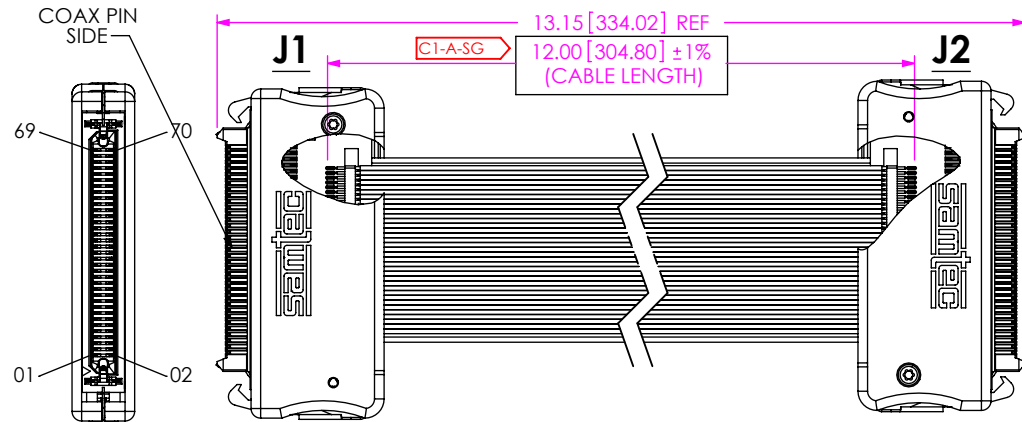


## REVISION

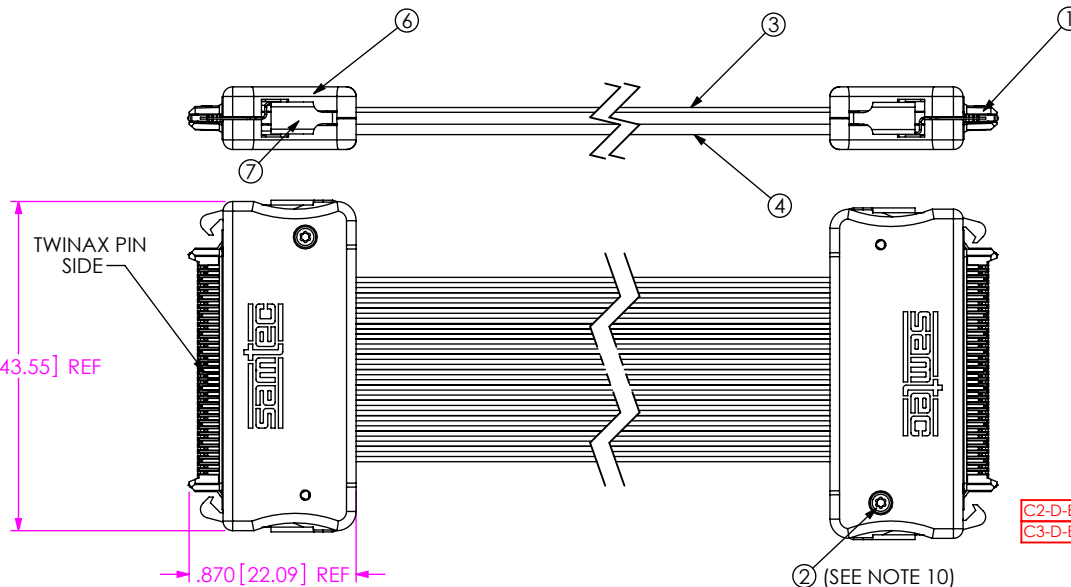
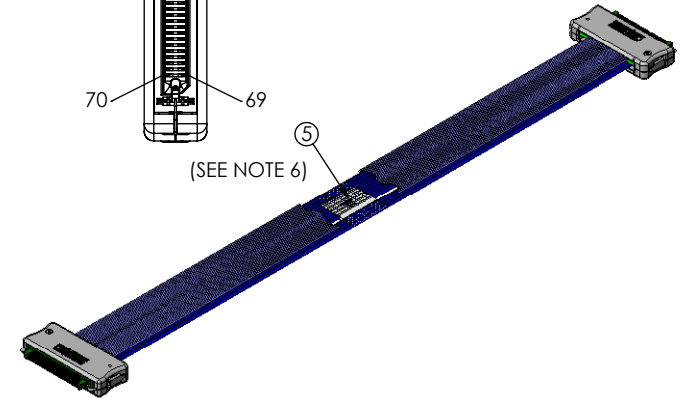
0	TP	J RILEY
8/26/2008	ECN-96219	ISSUE FOR REVIEW
1	JH	J RILEY
10/7/2008	ECN-98540	CHG STS-01 TO STS-04; ADD NOTE 10
A	BR	J RILEY
3/20/2009	ECN-107327	SHT 3, TABLE 1- POS 24, 30, 36, 42, 48, 54, 60, 66: CHG FROM GROUND TO SIGNAL (COAX); RELEASE FOR PRODUCTION

HDR SETUP OPTION:
NA
PCB SETUP OPTION:
OPTION 4

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



(SEE NOTE 6)



## NOTES:

1. CABLE ASSEMBLY CONFIGURATION IS NON-STANDARD.
2. **C1-A-SG** REPRESENTS A CRITICAL DIMENSION.
3. PARTS TO BE PROCESSED PER SAMTEC ACCEPTABILITY REQUIREMENTS: HDR-PI-01 "CABLE ASSEMBLY WORKMANSHIP STANDARDS".
4. ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED.
5. ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 300V.
6. ITEM 5 TO BE CENTERED ON ITEM 4 AS SHOWN. ITEM 5 TO CONTAIN: LINE 1 - PART NUMBER "HDR-XXXXXX-XX", LINE 2 - SHOP ORDER NUMBER "XXXXXX", AND LINE 3 - DATE CODE "XXXXX". NUMERIC REVISION PRODUCT WILL HAVE ADDITIONAL LABEL INDICATING "RELEASE FOR LIMITED PRODUCTION".
7. FOR PROCESSING INFORMATION ON SUB-ASSEMBLIES, REFERENCE SUB-HDR-142120-XX TRAVELER.XLS.
8. PARTS TO BE PACKAGED IN STATIC DISSIPATION BAGS.
9. PANEL PCB-101398-HDR-XX YIELDS (6) PCB-101398-HDR-01.
10. TIGHTEN STS-04 FASTENERS TO 1.4-1.7 IN-LBS (4 PLCS).

C2-D-ET  
C3-D-ET

② (SEE NOTE 10)

## HDR-142120-01 BOM

ITEM NO.	PART NUMBER	DESCRIPTION	QUANTITY	MATERIAL
1	SUB-HDR-142120-01	SUB ASSEMBLY	2	SUB ASSEMBLY
2	STS-04	FASTENER	4	LOW CARBON STEEL
3	SUB-TCF-3850-35-01-12.00	COAX CABLE	1	SUB ASSEMBLY
4	SUB-TTF-30100-12-01-12.00	TWIN-AX CABLE	1	SUB ASSEMBLY
5	HDRL-11	LABEL	1	SELF LAMINATING VINYL
6	ECD-35-03	HOUSING	4	IDEMITSU XAREC EA522 BK
7	LTC-16-01	SPRING LATCH	4	BERYLLIUM COPPER
8	DOW-0469-1250-01	DOWEL PIN	4	ACETAL

TOLERANCES DO NOT APPLY TO REFERENCE DIMENSIONS, UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:  
DECIMALS ANGLES  
.XX: ±.01[.3]  
.XXX: ±.005[.13]  
.XXXX: ±.0020[.051]

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DO NOT SCALE DRAWING

SHEET SCALE: 1:1

DESCRIPTION:

**samtec**

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

DWG. NO.

HDR-142120-01

BY: Tyler P

8/26/2008

SHEET 1 OF 3

HDR SETUP OPTION:

NA

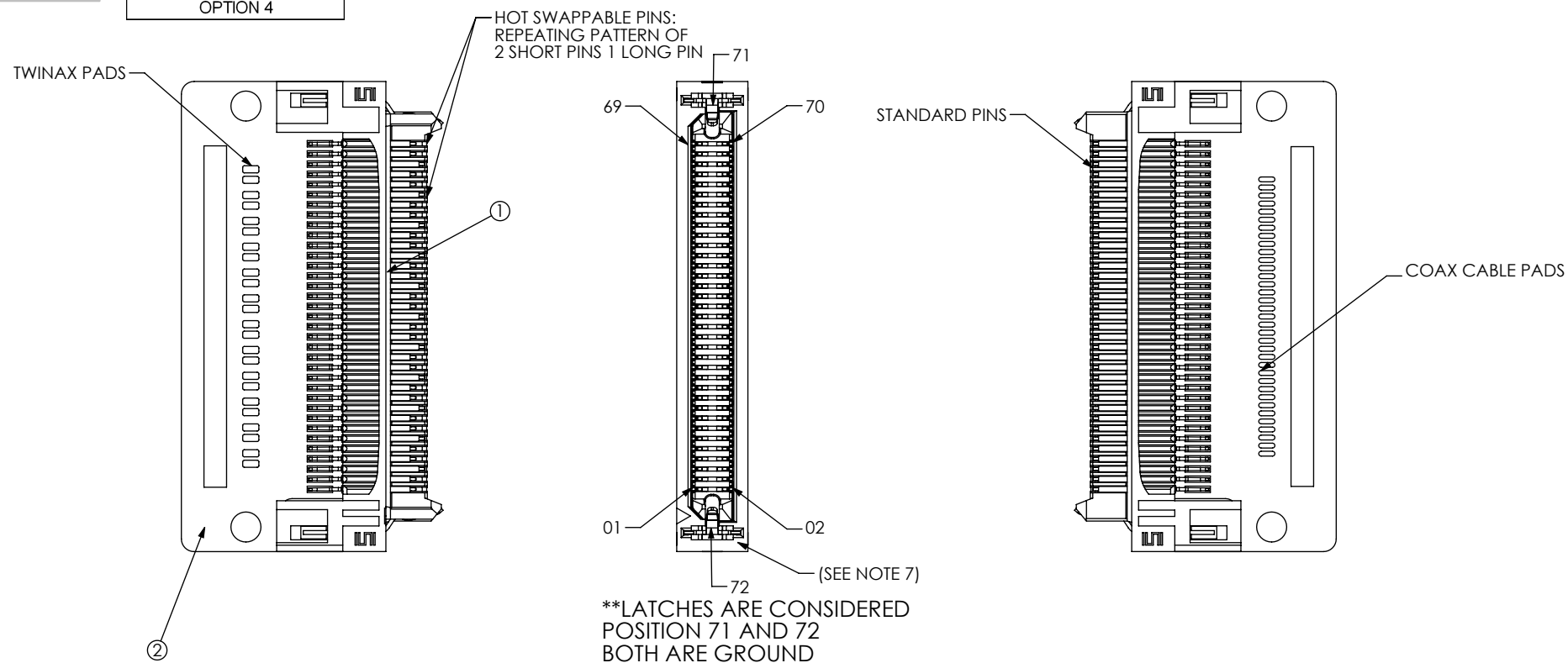
PCB SETUP OPTION:

OPTION 4

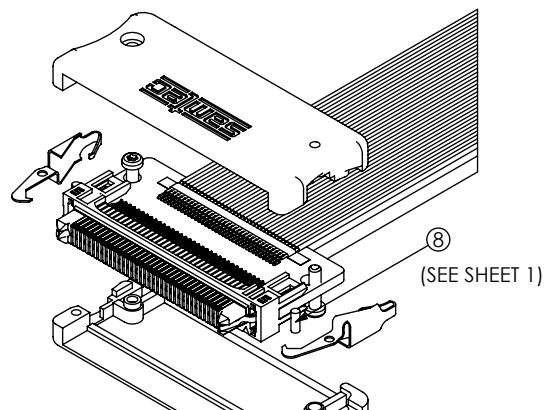
# J1

SUB-HDR-T42120-01

THIS PRODUCT MANUFACTURED  
WITH LEAD-FREE PROCESSING



SUB-HDR-142120-01 BOM			
ITEM NO.	PART NUMBER	QUANTITY	MATERIAL
1	ASP-135040-01	1	CONNECTOR
2	PCB- 101398-HDR-01	1	PCB



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SHEET SCALE: 2:1

# samtec

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

DESCRIPTION:  
CUSTOM HDR CABLE ASSEMBLY

DWG. NO.  
HDR-142120-01


BY: Tyler P 8/26/2008 SHEET 2 OF 3

REVISION A

TABLE 1  
SIGNAL MAPPING \*

J1 (ODD)	SIG/GND	J2 (ODD)	J1 (EVEN)	SIG/GND	J2 (EVEN)
1	SIGNAL (TWIN-AX)	69	2	SIGNAL (COAX)	70
3	SIGNAL (TWIN-AX)	67	4	SIGNAL (COAX)	68
5	GROUND	65	6	SIGNAL (COAX)	66
7	SIGNAL (TWIN-AX)	63	8	SIGNAL (COAX)	64
9	SIGNAL (TWIN-AX)	61	10	SIGNAL (COAX)	62
11	GROUND	59	12	SIGNAL (COAX)	60
13	SIGNAL (TWIN-AX)	57	14	SIGNAL (COAX)	58
15	SIGNAL (TWIN-AX)	55	16	SIGNAL (COAX)	56
17	GROUND	53	18	SIGNAL (COAX)	54
19	SIGNAL (TWIN-AX)	51	20	SIGNAL (COAX)	52
21	SIGNAL (TWIN-AX)	49	22	SIGNAL (COAX)	50
23	GROUND	47	24	SIGNAL (COAX)	48
25	SIGNAL (TWIN-AX)	45	26	SIGNAL (COAX)	46
27	SIGNAL (TWIN-AX)	43	28	SIGNAL (COAX)	44
29	GROUND	41	30	SIGNAL (COAX)	42
31	SIGNAL (TWIN-AX)	39	32	SIGNAL (COAX)	40
33	SIGNAL (TWIN-AX)	37	34	SIGNAL (COAX)	38
35	GROUND	35	36	SIGNAL (COAX)	36
37	SIGNAL (TWIN-AX)	33	38	SIGNAL (COAX)	34
39	SIGNAL (TWIN-AX)	31	40	SIGNAL (COAX)	32
41	GROUND	29	42	SIGNAL (COAX)	30
43	SIGNAL (TWIN-AX)	27	44	SIGNAL (COAX)	28
45	SIGNAL (TWIN-AX)	25	46	SIGNAL (COAX)	26
47	GROUND	23	48	SIGNAL (COAX)	24
49	SIGNAL (TWIN-AX)	21	50	SIGNAL (COAX)	22
51	SIGNAL (TWIN-AX)	19	52	SIGNAL (COAX)	20
53	GROUND	17	54	SIGNAL (COAX)	18
55	SIGNAL (TWIN-AX)	15	56	SIGNAL (COAX)	16
57	SIGNAL (TWIN-AX)	13	58	SIGNAL (COAX)	14
59	GROUND	11	60	SIGNAL (COAX)	12
61	SIGNAL (TWIN-AX)	9	62	SIGNAL (COAX)	10
63	SIGNAL (TWIN-AX)	7	64	SIGNAL (COAX)	8
65	GROUND	5	66	SIGNAL (COAX)	6
67	SIGNAL (TWIN-AX)	3	68	SIGNAL (COAX)	4
69	SIGNAL (TWIN-AX)	1	70	SIGNAL (COAX)	2
LATCH	GROUND	LATCH	LATCH	GROUND	LATCH

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PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code: 55322

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SHEET SCALE: 2:1

DESCRIPTION:  
CUSTOM HDR CABLE ASSEMBLY

DWG. NO.  
**HDR-142120-01**

BY: Tyler P

8/26/2008

SHEET 3 OF 3