

TABLE 1									
PART #	DESCRIPTION								
HDR-201768-01-PCIEC	(AS SHOWN)								

	HDR-201768-XX-PCIEC BOM												
ITEM NO.	PART NUMBER	DESCRIPTION	QTY	MATERIAL									
1	SUB-HDR-201768-01	SUB ASSEMBLY	1	SUB ASSEMBLY									
2	SUB-HDR-201768-02	SUB ASSEMBLY	1	SUB ASSEMBLY									
3	SUB-TTF-3285-10-01-TB-1181-16.00	TWINAX 85Ω	4	SUB ASSEMBLY									
4	SUB-IDC-1-30-10-0250-16.00	POWER CABLE	1	SUB ASSEMBLY									
5	HDRL-06	LABEL	1	POLYESTER									

c:\enterprisevault\DWG\MISC\MKTG\HDR-201768-XX-PCIEC-MKT.SLDDRW

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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SHEET SCALE: 1:1.5



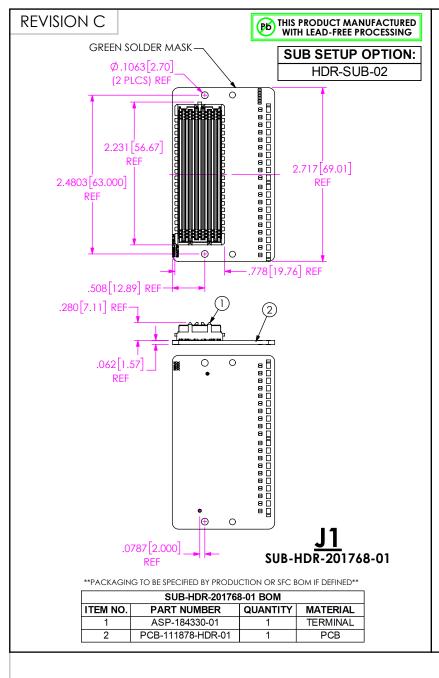
520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com

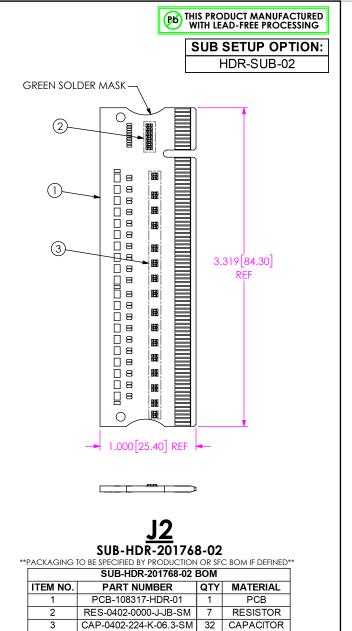
DESCRIPTION

CUSTOM HDR CABLE ASSEMBLY

HDR-201768-XX-PCIEC

BY: JERRY SU 09/20/2017 SHEET 1 OF 3





CRITICAL DIMENSION INSPECTION									
INSTRUCTION TABLE									
ASSEMBLY	IN-PROCESS								
OPERATION	INSPECTION								
PREP CABLE	C3								
E-TEST	C1, C2								

TABLE 3											
NET COUNT											
TYPE	NETS	POINTS									
POINT TO POINT	81	162									
GND	1	306									
PRSNT2#	1	4									

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DESCRIPTION

**CUSTOM HDR CABLE ASSEMBLY** 

HDR-201768-XX-PCIEC

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BY: JERRY SU 09/20/2017 SHEET 2 OF 3

	TABLE 2												
	SIGNAL MAPPING												
	SIDE B		1	SIDE A	NAL MA		SIDE	B	SIDE A				
J1	NAME	J2	J1	NAME	J2	J1	NAME	J2	J1	NAME	J2		
-	NC	B1	H37	PRSNT1#	A1	B17	PETn6	B42	GND	GND	A42		
C35	NC	B2		NC	A2	GND	GND	B43	B36	PERp6	A43		
	NC	<b>B</b> 3	C37	NC	A3	GND	GND	B44	B37	PERn6	A44		
GND	GND	B4	GND	GND	A4	B12	PETp7	B45	GND	GND	A45		
C30	SMCLK	<b>B</b> 5	D29	JTAG2	A5	B13	PETn7	B46	GND	GND	A46		
C31	SMDATA	B6	D30	JTAG3	A6	GND	GND	B47	B32	PERp7	A47		
GND	GND	B7	D31	JTAG4	A7	-	PRSNT2#	B48	B33	PERn7	A48		
C39	NC	B8	D33	JTAG5	A8	GND	GND	B49	GND	GND	A49		
D34	JTAG1	B9	D36	NC	A9	B8	PETp8	B50	NC	RSVD	A50		
D32	NC	B10	D38, D40		A10	B9	PETn8	B51	GND	GND	A51		
G37	WAKE#	B11	G36	PERST#	A11	GND	GND	B52	B28	PERp8	A52		
		MECHA	NICAL KE	Y		GND	GND	B53	B29	PERn8	A53		
G31	RSVD 0	B12	GND	GND	A12	B4	PETp9	B54	GND	GND	A54		
GND	GND	B13	D4	REFCLK+	A13	B5	PETn9	B55	GND	GND	A55		
C6	PETp0	B14	D5	REFCLK-	A14	GND	GND	B56	B24	PERp9	A56		
C7	PETn0	B15	GND	GND	A15	GND	GND	<b>B</b> 57	B25	PERn9	A57		
GND	GND	B16	C2	PERp0	A16	Y10	PETp10	B58	GND	GND	A58		
NC	NC	B17	C3	PERn0	A17	Y11	PETn10	B59	GND	GND	A59		
GND	GND	B18	GND	GND	A18	GND	GND	B60	<u>Z24</u>	PERp10	A60		
A2	PETp1	B19	H34	RSVD 1	A19	GND	GND	B61	Z25	PERn10	A61		
A3	PETn1	B20	GND	GND	A20	Z12	PETp11	B62	GND	GND	A62		
GND	GND	B21	A22	PERp1	A21	Z13	PETn11	B63	GND	GND	A63		
GND	GND	B22	A23	PERn1	A22	GND	GND	B64	Y26	PERp11	A64		
A6	PETp2	B23	GND	GND	A23	GND	GND	B65	Y27	PERn11	A65		
A7	PETn2	B24	GND	GND	A24	Y14	PETp12	B66	GND	GND	A66		
GND	GND	B25	A26	PERp2	A25	Y15	PETn12	B67	GND	GND	A67		
GND	GND	B26	A27	PERn2	A26	GND	GND	B68	Z28	PERp12	A68		
A10	PETp3	B27	GND	GND	A27	GND	GND	B69	Z29	PERn12	A69		
A11	PETn3	B28	GND	GND	A28	Z16	PETp13	B70	GND	GND	A70		
GND	GND	B29	A30	PERp3	A29	Z17	PETn13	B71	GND	GND	A71		
H35	RSVD 2	B30	A31	PERn3	A30	GND	GND	B72	Y30	PERp13	A72		
H38	PRSNT2#	B31	GND	GND	A31	GND	GND	B73	Y31	PERn13	A73		
GND	GND	B32	G33	REVD 3	A32	Y18	PETp14	B74	GND	GND	A74		
A14	PETp4	B33	G34	REVD 4	A33	Y19	PETn14	B75	GND	GND	A75		
A15	PETn4	B34	GND	GND	A34	GND	GND	B76	M18	PERp14	A76		
GND	GND	B35	A34	PERp4	A35	GND	GND	B77	M19	PERn14	A77		
GND	GND	B36	A35	PERn4	A36	Y22	PETp15	B78	GND	GND	A78		
A18	PETp5	B37	GND	GND	A37	Y23	PETn15	B79	GND	GND	A79		
A19	PETn5	B38	GND	GND	A38	GND	GND	B80	M22	PERp15	A80		
GND	GND	B39	A38	PERp5	A39	-	PRSNT2#	B81	M23	PERn15	A81		
GND	GND	B40	A39	PERn5	A40	NC	RSVD	B82	GND	GND	A82		
B16	PETp6	B41	GND	GND	A41								
			ALL GROU	ND ARE COM	MON AN	ID TIED	TO CABLE	SHIELD					

ALL GROUN	D ARE COM	MON AN	ID TIED	TO CABLE	SHIELD

## PRSNT2# ARE COMMON

J2 POSITIONS A50, B17, AND B82 ARE NO CONNECTS

J2 POSITIONS B5, B6, B9, A5, A6, A7, A8 HAVE 0-OHM RESISTOR IN-LINE

_		_					,.	,.	,	,										
	AL	LF	PER	βpX	AND	PE	RnX	SIG	NALS	HA	VΕ	0.22	2uF	CA	PAC	ПО	R II	1-LII	VΕ	
																				_

	TABLE 4													
						_				OSITIONS				
	Υ	Z	Α	В	С	D	E	F	G	Н	J	K	L	М
1	GND	nc	GND	nc	nc	nc	GND	nc	GND	nc	GND	nc	nc	GND
2	nc	GND	PETp1	GND	PERp0	GND	nc	GND	nc	nc	nc	GND	GND	nc
3	nc	GND	PETn1	GND	PERn0	GND	nc	GND	nc	GND	nc	GND	GND	nc
4	GND	nc	GND	PETp9	GND	REFCLK+	GND	nc	GND	nc	GND	nc	nc	GND
5	GND	nc	GND	PETn9	GND	REFCLK-	GND	nc	GND	nc	GND	nc	nc	GND
6	nc	GND	PETp2	GND	PETp0	GND	nc	GND	nc	GND	nc	GND	GND	nc
7	nc	GND	PETn2	GND	PETn0	GND	nc	nc	nc	nc	nc	nc	GND	nc
8	GND	nc	GND	PETp8	GND	nc	GND	nc	GND	nc	GND	nc	nc	GND
9	GND	nc	GND	PETn8	GND	nc	nc	GND	nc	GND	nc	GND	nc	GND
10	PETp10	GND	РЕТр3	GND	nc	GND	nc	nc	nc	nc	nc	nc	GND	nc
11	PETn10	GND	PETn3	GND	nc	nc	GND	nc	GND	nc	GND	nc	GND	nc
12	GND	PETp11	GND	PETp7	GND	nc	nc	GND	nc	GND	nc	GND	nc	GND
13	GND	PETn11	GND	PETn7	GND	GND	nc	nc	nc	nc	nc	nc	nc	GND
14	PETp12	GND	PETp4	GND	nc	nc	GND	nc	GND	nc	GND	nc	GND	nc
15	PETn12	GND	PETn4	GND	nc	nc	nc	GND	nc	GND	nc	GND	GND	nc
16	GND	PETp13	GND	PETp6	GND	GND	nc	nc	nc	nc	nc	nc	nc	GND
17	GND	PETn13	GND	PETn6	GND	nc	GND	nc	GND	nc	GND	nc	nc	GND
18	PETp14	GND	PETp5	GND	nc	nc	nc	GND	nc	GND	nc	GND	GND	PERp14
19	PETn14	GND	PETn5	GND	nc	GND	nc	nc	nc	nc	nc	nc	GND	PERn14
20	GND	nc	GND	nc	GND	nc	GND	nc	GND	nc	GND	nc	nc	GND
21	GND	nc	GND	nc	GND	nc	nc	GND	nc	GND	nc	GND	nc	GND
22	PETp15	GND	PERp1	GND	nc	GND	nc	nc	nc	nc	nc	nc	GND	PERp15
23	PETn15	GND	PERn1	GND	nc	nc	GND	nc	GND	nc	GND	nc	GND	PERn15
24	GND	PERp10	GND	PERp9	GND	nc	nc	GND	nc	GND	nc	GND	nc	GND
25	GND	PERn10	GND	PERn9	GND	GND	nc	nc	nc	nc	nc	nc	nc	GND
26	PERp11	GND	PERp2	GND	nc	nc	GND	nc	GND	nc	GND	nc	GND	nc
27	PERn11	GND	PERn2	GND	nc	nc	nc	GND	nc	GND	nc	GND	GND	nc
28	GND	PERp12	GND	PERp8	GND	GND	nc	nc	nc	nc	nc	nc	nc	GND
29	GND	PERn12	GND	PERn8	GND	JTAG2	GND	nc	GND	nc	GND	nc	nc	GND
30	PERp13	GND	PERp3	GND	SMCLK	JTAG3	nc	GND	nc	GND	nc	GND	GND	nc
31	PERn13	GND	PERn3	GND	SMDATA	JTAG4	nc	nc	RSVD 0	nc	nc	nc	GND	nc
32	GND	nc	GND	PERp7	GND	nc	GND	nc	GND	nc	GND	nc	nc	GND
33	GND	nc	GND	PERn7	GND	JTAG5	nc	GND	REVD 3	GND	nc	GND	nc	GND
34	nc	GND	PERp4	GND	nc	JTAG1	nc	nc	REVD 4	RSVD 1	nc	nc	GND	nc
35	nc	GND	PERn4	GND	nc	nc	GND	nc	GND	RSVD 2	GND	nc	GND	nc
36	GND	nc	GND	PERp6	GND	nc	nc	GND	PERST#	GND	nc	GND	nc	GND
37	GND	nc	GND	PERn6	nc	GND	nc	nc	WAKE#	PRSNT1#	nc	nc	nc	GND
38	nc	GND	PERp5	GND	GND	nc	GND	nc	GND	PRSNT2#	GND	nc	GND	nc
39	nc	GND	PERn5	GND	nc	GND	nc	GND	nc	GND	nc	GND	GND	nc
40	GND	nc	GND	nc	GND	nc	GND	nc	GND	nc	GND	nc	nc	GND

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DESCRIPTION:

CUSTOM HDR CABLE ASSEMBLY

HDR-201768-XX-PCIEC

SHEET SCALE: 1:1 BY: JERRY SU

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