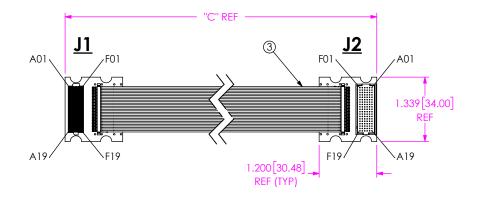
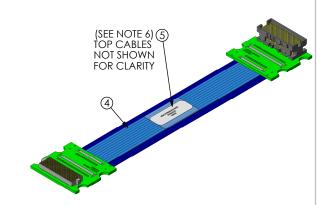
HDR SETUP OPTION: **REVISION A** N/A

DO NOT SCALE FROM

THIS PRINT







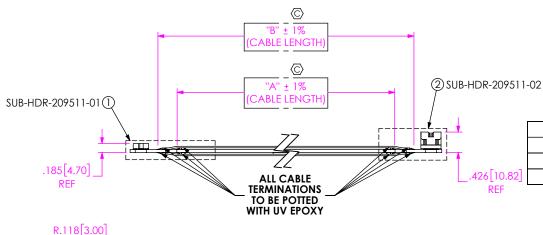


	TABLE 1		
PART #	"A"	"B"	"C"
HDR-209511-01	12.00 [304.8]	12.80 [325.1]	13.96 [354.6]
HDR-209511-02	24.00 [609.6]	24.80 [629.9]	25.96 [659.4]

- 1. CABLE ASSEMBLY CONFORMS TO VITA 42.0 STANDARD.
- 2. © REPRESENTS A CRITICAL DIMENSION.
- 3. PARTS TO BE PROCESSED PER SAMTEC WORKMANSHIP GUIDELINES.
- C) 4. ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED.

 (C) 5. ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 300V.
- 6. ITEM 5 TO BE CENTERED ON ITEM 3 AS SHOWN. ITEM 5 TO CONTAIN:
 - LINE 1 PART NUMBER "HDR-XXXXXX-XX"
 - LINE 2 SHOP ORDER NUMBER "XXXXXXX"
 - LINE 3 DATE CODE "XXXXX".
- 7. FOR SUB-ASSEMBLY AND FINISHED GOOD PACKAGING REQUIREMENTS, REFERENCE SAMTEC PACKAGING MANUAL.
- 8. REFER TO PREP-SPEC.PDF FOR CABLE PREP DIMENSIONS. ASSEMBLY USES STANDARD PCB PREP.

HDR-209511-XX BOM								
ITEM NO.	PART NUMBER	DESCRIPTION	QUANTITY	MATERIAL				
1	SUB-HDR-209511-01	SUB ASSEMBLY	1	SUB ASSEMBLY				
2	SUB-HDR-209511-02	SUB ASSEMBLY	1	SUB ASSEMBLY				
3	SUB-TCF-3450F-30-01-XX.XX	COAX CABLE	2	SUB ASSEMBLY				
4	SUB-TTF-32100-10-01-XX.XX	TWNAX CABLE	2	SUB ASSEMBLY				
5	HDRL-11	LABEL	1	SELF LAMINATING VINYL				

.630 [16.00]

REF (TYP)

REF (8 PLCS

1.339 34.00

REF

DO NOT SCALE DRAWING

TOLERANCES DO NOT APPLY TO REFERENCE DIMENSIONS.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

ANGLES

TOLERANCES ARE:

.XXXX: ±.0020[.051]

DECIMALS

.XX: ±.01[.3] .XXX: ±.005[.13]

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PROPRIETARY NOTE

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

DWG. NO.

HDR-209511-XX

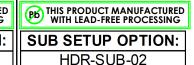
BY: ADAM H.

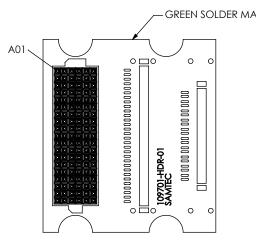
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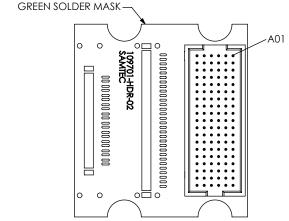
SHEET SCALE: 1:2

12/10/2018 SHEET 1 OF 3

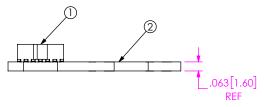






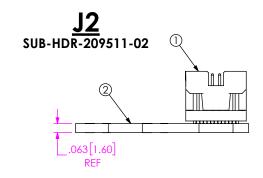






PACKAGING TO BE SPECIFIED BY PRODUCTION OR SFC BOM IF DEFINED

SUB-HDR-209511-01 BOM						
ITEM NO.	PART NUMBER	QUANTITY	MATERIAL			
1	ASP-103612-01	1	SOCKET			
2	PCB-109701-HDR-01	1	PCB			



PACKAGING TO BE SPECIFIED BY PRODUCTION OR SFC BOM IF DEFINED

SUB-HDR-209511-02 BOM						
ITEM NO.	PART NUMBER	QUANTITY	MATERIAL			
1	ASP-103614-01	1	TERMINAL			
2	PCB-109701-HDR-02	1	PCB			

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<u>samtec</u>

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

DO NOT SCALE DRAWING

CUSTOM HDR CABLE ASSEMBLY

DWG. NO.

DESCRIPTION:

HDR-209511-XX

SHEET SCALE: 3:2

BY: ADAM H.

В

12/10/2018 SHEET 2 OF 3

REVISION A

	TABLE 2																
	SIGNAL MAPPING																
Α	TYPE	NAME	В	TYPE	NAME	С	TYPE	NAME	D	TYPE	NAME	E	TYPE	NAME	F	TYPE	NAME
1	DP	DP00+	1	DP	DP00-	1	PWR1	3.3V	1	DP	DP01+	1	DP	DP01-	1	PWR2	VPWR
2	GND	GND	2	GND	GND	2	SIG	TRST#	2	GND	GND	2	GND	GND	2	SIG	MRSTI#
3	DP	DP02+	3	DP	DP02-	3	PWR1	3.3V	3	DP	DP03+	3	DP	DP03-	3	PWR2	VPWR
4	GND	GND	4	GND	GND	4	SIG	TCK	4	GND	GND	4	GND	GND	4	SIG	MRSTO#
5	DP	DP04+	5	DP	DP04-	5	PWR1	3.3V	5	DP	DP05+	5	DP	DP05-	5	PWR2	VPWR
6	GND	GND	6	GND	GND	6	SIG	TMS	6	GND	GND	6	GND	GND	6	SIG	+12V
7	DP	DP06+	7	DP	DP06-	7	PWR1	3.3V	7	DP	DP07+	7	DP	DP07-	7	PWR2	VPWR
8	GND	GND	8	GND	GND	8	SIG	TDI	8	GND	GND	8	GND	GND	8	SIG	-12V
9	DP	DP08+	9	DP	DP08-	9	SIG	RPS	9	DP	DP09+	9	DP	DP09-	9	PWR2	VPWR
10	GND	GND	10	GND	GND	10	SIG	TDO	10	GND	GND	10	GND	GND	10	SIG	GA0
11	DP	DP10+	11	DP	DP10-	11	SIG	MBIST#	11	DP	DP11+	11	DP	DP11-	11	PWR2	VPWR
12	GND	GND	12	GND	GND	12	SIG	GA1	12	GND	GND	12	GND	GND	12	SIG	MPRESENT#
13	DP	DP12+	13	DP	DP12-	13	G S	3.3V AUX	13	DP	DP13+	13	DP	DP13-	13	PWR2	VPWR
14	GND	GND	14	GND	GND	14	SIG	GA2	14	GND	GND	14	GND	GND	14	SIG	MSDA
15	DP	DP14+	15	DP	DP14-	15	SIG	RPS	15	DP	DP15+	15	DP	DP15-	15	PWR2	VPWR
16	GND	GND	16	GND	GND	16	SIG	MVMRO	16	GND	GND	16	GND	GND	16	SIG	MSCL
17	DP	DP16+	17	DP	DP16-	17	SIG	RFU	17	DP	DP17+	17	DP	DP17-	17	SIG	RFU
18	GND	GND	18	GND	GND	18	SIG	RPS	18	GND	GND	18	GND	GND	18	SIG	RPS
19	DP	DP18+	19	DP	DP18-	19	SIG	RPS	19	DP	DP19+	19	DP	DP19-	19	SIG	RPS
	ALL GROUNDS COMMON AND TIED TO CABLE SHIELD																

CABLE ASSEMBLY IS MAPPED 1-TO-1, ALL POSITIONS ROUTED POINT TO POINT 3.3V, 3.3V AUX, VPWR, +12V, -12V POSITIONS ARE ROUTED OVER TWO COAXLINES EACH, SUPPORT 1A CCC EACH

TABLE 3							
NET COUNT TYPE NETS POINTS							
POINT TO POINT	78	156					
GND	1	72					

CRITICAL DIMENSION INSPECTION					
INSTRUCTION TABLE					
ASSEMBLY	IN-PROCESS				
OPERATION	INSPECTION				
PREP CABLE	C3, C4				
E-TEST	C1, C2				

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DO NOT SCALE DRAWING DESCRIPTION:

CUSTOM HDR CABLE ASSEMBLY

DWG. NO.

HDR-209511-XX BY: ADAM H. 12/10/2018 SHEET 3 OF 3

SHEET SCALE: 1:1

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