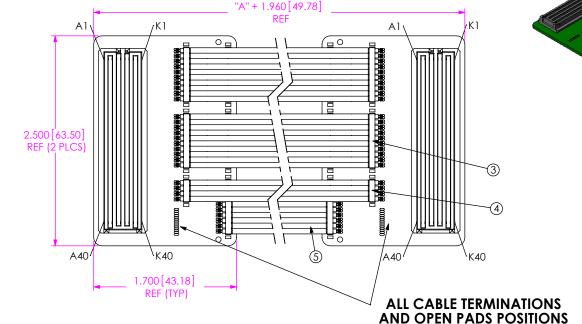


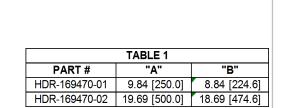
USE FOR QUOTING, PRELIMINARY DESIGN, INITIAL BUILDS AND INFORMATIONAL PURPOSES ONLY

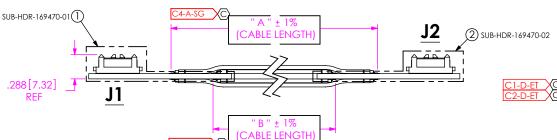
ACCEPTANCE OF DRAWING ACCEPTED WITH DEVIATIONS LISTED

PB THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

(6) (SEE NOTE 6)







NOTES:

- 1. CABLE CONFIGURATION IS NOT STANDARD.
- 2. © 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 6 TO BE CENTERED ON ITEM 5 AS SHOWN. ITEM 6 TO CONTAIN: LINE 1 PART NUMBER "HDR-XXXXXXXXXXX", 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 ASSEMBLY, REFERENCE SUB-HDR-169470-XX TRAVELER.XLS.
 - 8. FOR SUB-ASSEMBLY AND FINISHED GOOD PACKAGING REQUIREMENTS, REFERENCE PACKAGING STANDARD CO-HD-WI-3033-M.
 - PANEL PCB-103814-HDR-XX YIELDS (02) PCB-103814-HDR-01 AND (02) PCB-103814-HDR-02 BOARDS.

HDR-169470-XX BOM				
ITEM NO.	PART NUMBER	DESCRIPTION	QTY	MATERIAL
1	SUB-HDR-169470-01	SUB ASSEMBLY	1	SUB ASSEMBLY
2	SUB-HDR-169470-02	SUB ASSEMBLY	1	SUB ASSEMBLY
3	SUB-TTF-32100-10-01-XX.XX("A")	TWINAX CABLE	5	SUB ASSEMBLY
4	SUB-TTF-32100-04-01-XX.XX("A")	TWINAX CABLE	1	SUB ASSEMBLY
5	SUB-TTF-32100-10-01-XX.XX("B")	TWINAX CABLE	6	SUB ASSEMBLY
6	HDRL-11	LABEL	1	SELF LAMINATING VINYL

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

TO BE POTTED WITH UV EPOXY (SEE SHT 2)

DECIMALS ANGI .XX: ±.01[.3] 2 .XXX: ±.005[.13] .XXXX: ±.0020[.051] PROPRIETARY NOTE

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SHEET SCALE: 7:8



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DESCRIPTION:

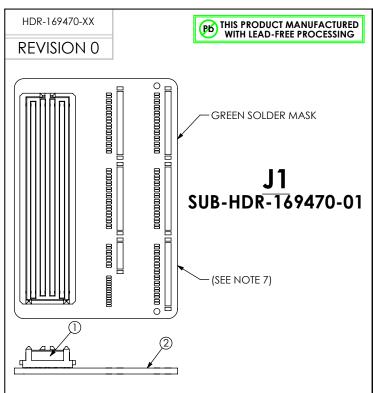
CUSTOM HDR CABLE ASSEMBLY

DWG. NO.

HDR-169470-XX

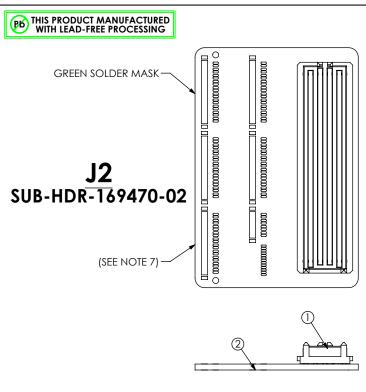
BY: ANDREW C 05/25/2012 SHEET 1 OF 3

F:\DWG\HDR\169000\HDR-169470-XX\HDR-169470-XX.SLDDRW





SUB-HDR-169470-01 BOM				
ITEM NO.	PART NUMBER	QUANTITY	MATERIAL	
1	ASP-134488-01	1	TERMINAL	
2	PCB-103814-HDR-01	1	PCB	

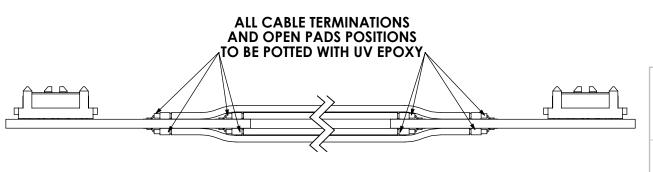


PACKAGING TUBE TO BE SPECIFIED AT FIRST PRODUCTION RUN.

SUB-HDR-169470-02 BOM				
ITEM NO.	PART NUMBER	QUANTITY	MATERIAL	
1	ASP-134488-01	1	TERMINAL	
2	PCB-103814-HDR-02	1	PCB	

TABLE 3			
NET LIST			
TYPE	NETS	POINTS	
POINT TO POINT	226	452	
GND	159	318	

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



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DESCRIPTION:

CUSTOM HDR CABLE ASSEMBLY

DWG. NO.

HDR-169470-XX

SHEET SCALE: 1:1

BY: ANDREW C 05/25/2012 SHEET 2 OF 3

REVISION 0

SIGNAL MAPPING С G Α В D Ε F Н J Κ GND **GND** RES1 GND PG C2M GND PG M2C GND VREF A M20 REF B M20 DP1 M2C P **GND GND** PRSNT M2C L CLK3 M2C N **GND** DP0 C2M P HA01 P CC **GND** CLK1 M2C N DP1 M2C N **GND** DP0 C2M N **GND** HA01 N CC **GND** CLK1 M2C P **GND** CLK3 M2C P **GND GND** GND **GND** HA00 P CC GND CLK0_M2C_N GND DP9 M2C P GBTCLK0 M2C P CLK2 M2C N 5 GND DP9 M2C N GND GBTCLK0 M2C N GND **GND** CLK0 M2C P GND CLK2 M2C P HA00 N CC DP2_M2C_P GND DP0 M2C P **GND** HA05 P **GND** LA00 P CC **GND** HA03 P **GND** DP2 M2C N **GND** DP0 M2C N **GND** HA05 N HA04 P LA00 N CC LA02 P HA03 N HA02 P 8 **GND** DP8 M2C P **GND** LA01 P CC **GND** HA04 N GND LA02 N GND HA02 N 9 **GND** DP8 M2C N **GND** LA01 N CC HA09 P **GND** LA03 P **GND** HA07 P **GND** 10 DP3 M2C P LA06 P **GND** HA09 N LA03 N LA04 P HA07 N GND HA08 P HA06 P DP3 M2C N **GND** LA06 N LA05 P **GND** HA08 N GND LA04 N GND HA06 N 12 **GND** DP7 M2C P GND LA05 N HA13 P GND LA08 P **GND** HA11 P **GND** 13 **GND GND GND** LA08 N LA07 P DP7 M2C N HA13 N HA12 P HA11 N HA10 P DP4_M2C_P 14 **GND** LA10 P LA09 P **GND** HA12 N GND LA07 N GND HA10 N 15 DP4 M2C N **GND** LA10 N LA09 N **GND** LA12 P **GND** HA14 P HA16 P GND GND HA16 N LA12 N HA14 N 16 GND DP6 M2C P GND HA15 P LA11 P HA17 P CC 17 **GND** DP6 M2C N GND LA13 P GND HA15 N GND LA11 N GND HA17 N CC DP5 M2C P GND LA14 P LA13 N HA20 P **GND** LA16 P GND HA18 P **GND** 19 DP5 M2C N GND LA14 N GND HA20 N HA19 P LA16 N LA15 P HA18 N HA21 P 20 **GND** GBTCLK1 M2C P **GND** LA17 P CC **GND** HA19 N **GND** LA15 N GND HA21 N 21 **GND** GBTCLK1 M2C N **GND** LA17 N CC HB03 P **GND** LA20 P **GND** HA22 P **GND** 22 DP1 C2M P GND LA18 P CC **GND** HB03 N HB02 P LA20 N LA19P HA22 N HA23 P 23 DP1 C2M N GND LA18 N CC LA23 P HB02 N GND LA19 N GND HA23 N GND 24 DP9 C2M P LA23 N LA22 P **GND GND** HB05 P **GND GND** HB01 P GND 25 GND GND DP9 C2M N GND HB05 N HB04 P LA22 N LA21 P HB01 N HB00 P CC 26 DP2 C2M P LA26 P GND LA21 N **GND** LA27 P **GND** HB04 N GND HB00 N CC DP2 C2M N **GND** LA27 N LA26 N GND LA25 P **GND** HB09 P HB07 P **GND** 28 **GND** DP8 C2M P **GND GND** HB09 N HB08 P LA25 N LA24 P HB07 N HB06 P CC 29 **GND** GND **TCK** LA24 N DP8 C2M N **GND** HB08 N GND GND HB06 N CC 30 SCL TDI **GND** DP3 C2M P GND HB13 P LA29 P GND HB11 P GND 31 DP3 C2M N **GND** SDA TDO HB13 N HB12 P LA29 N LA28 P HB11 N HB10 P 32 **GND** GND HB12 N GND LA28 N GND HB10 N DP7 C2M P 3P3VAUX GND TMS 33 **GND** DP7 C2M N **GND** HB19 P **GND** LA31 P **GND** HB15 P **GND** DP4 C2M P **GND** GA0 TRST L **HB19 N HB16** P LA31 N LA30 P HB15 N HB14 P 35 DP4 C2M N **GND** GA₁ **HB16 N** GND LA30 N HB14 N GND GND 36 **GND** DP6 C2M P **GND** HB21 P **GND** LA33 P **GND** HB18 P **GND** 37 **GND** DP6 C2M N **GND** HB21 N LA33 N LA32 P **HB18 N** HB20 P HB17 P CC 38 DP5 C2M P **GND** LA32 N GND GND GND HB20 N GND HB17 N CC 39 DP5 C2M N **GND GND** GND VAD **GND GND** VIO B M2C 40 RES0 **GND GND** GND GND **GND** POWER POSITIONS VADJ. VIO B M2C. VREF A M2C. VREF B M2C. 3P3VAUX 3P3V. AND 12P0V (ALL POSITIONS IN RED) ARE NO CONNECTS.

TABLE 1

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