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RECOMMENDED LAYOUT FOR THE -DV SCREW DOWN OPTIONS
(0.177[4.50] HOLES CENTERED ON LSHM DV LAYOUT)

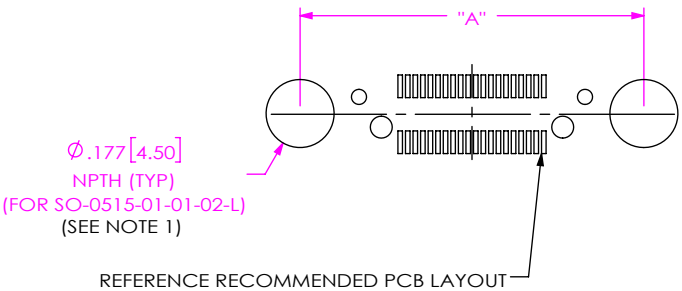
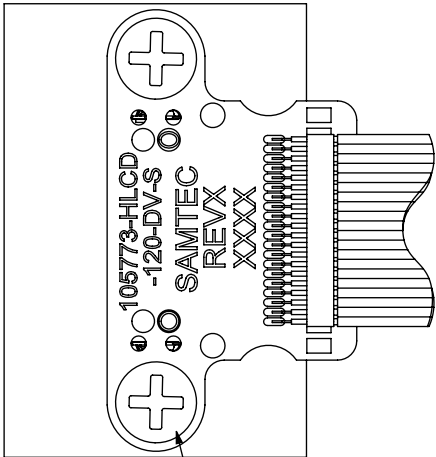
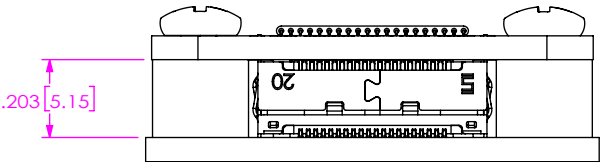


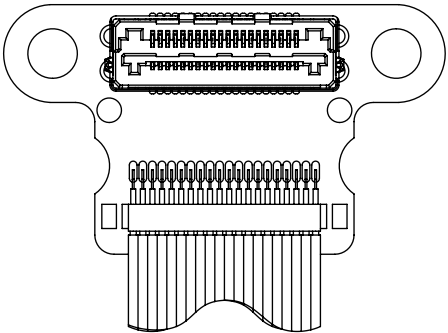
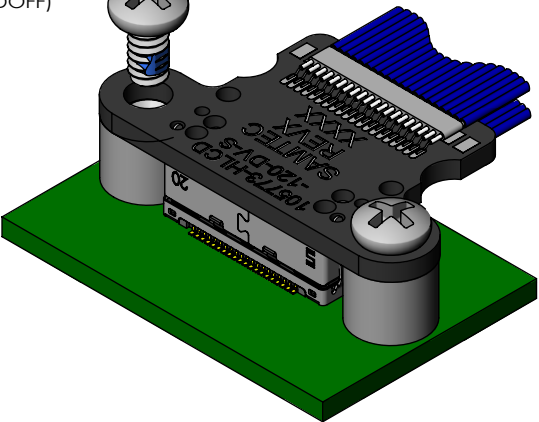
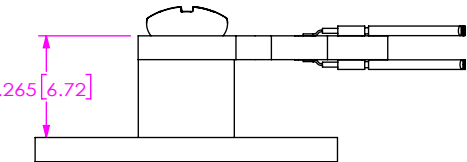
TABLE 1

NUMBER OF POS.	"A"
-05	0.5999 [15.237]
-10	0.6984 [17.739]
-20	0.8953 [22.741]
-30	1.1953 [30.361]
-40	1.4953 [37.981]
-50	1.7953 [45.601]

(SEE NOTE 1)
(SEE NOTE 1)



(SEE NOTE 1)
4/40 x 5/16" PHIL. HEAD
ROUND MACH. SCREW
MAX TORQUE 2-4 IN-OZ
(MAX TORQUE RECOMMENDATION
CAN BE INCREASED IF PCB
BOTTOMS OUT ON STANDOFF)



- NOTES:
- 05 AND -10 POSITION NOT APPLICABLE FOR USE WITH SO-0515-01-01-02-L AND 4/40 X 5/16" MACHINE SCREW. MICRO STANDOFF REQUIRED AT CUSTOMER DISCRETION AND JSOM-0515-01 IS RECOMMENDED. CONTACT SAMTEC HDR FOR FURTHER INQUIRIES.
 - THE HLCD CABLE ASSEMBLY IS SPECIFICALLY DESIGNED TO MATE WITH THE LSHM -S SHIELDED CONNECTOR. THE LSHM SHIELD SHOULD BE TIED TO THE GROUND REFERENCE PLANE IN THE CUSTOMER'S PCB.

TOLERANCES DO NOT APPLY TO REFERENCE DIMENSIONS. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE:
DECIMALS ANGLES
.XX: $\pm .01 [3]$ 2°
.XXX: $\pm .005 [13]$
.XXXX: $\pm .0020 [51]$

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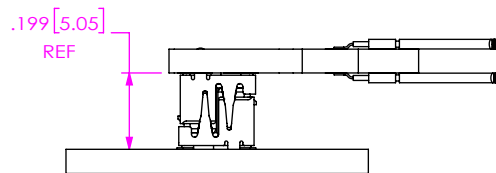
DO NOT SCALE DRAWING SHEET SCALE: 2:1

DESCRIPTION:
HLCD MATING APPLICATION VIEWS

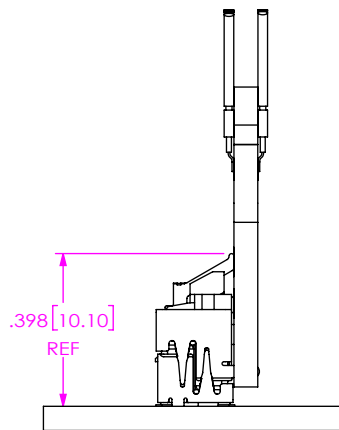
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HLCD APPLICATIONS

BY:ANDREW C 09/10/2013 SHEET 1 OF 4

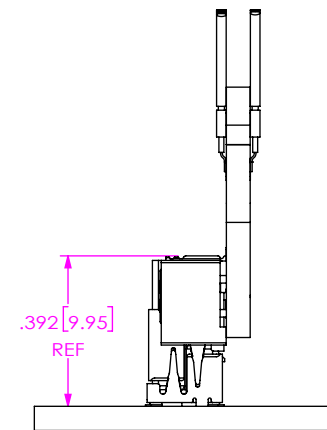
DV TO DV
PIN 1 MATES TO PIN 2



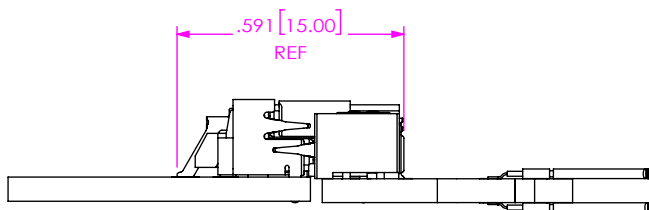
DV TO DH
PIN 1 MATES TO PIN N



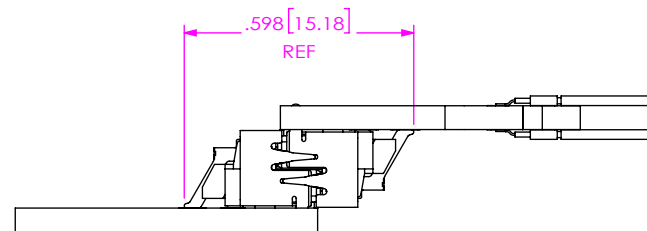
DV TO RH
PIN 1 MATES TO PIN (N-1)



DH TO RH
PIN 1 MATES TO PIN 1



DH TO DH
PIN 1 MATES TO PIN 2
(RH TO RH MATE IS ALSO PIN 1 TO PIN 2)



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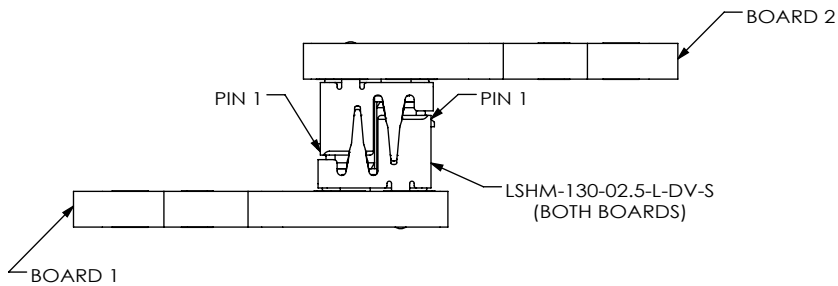
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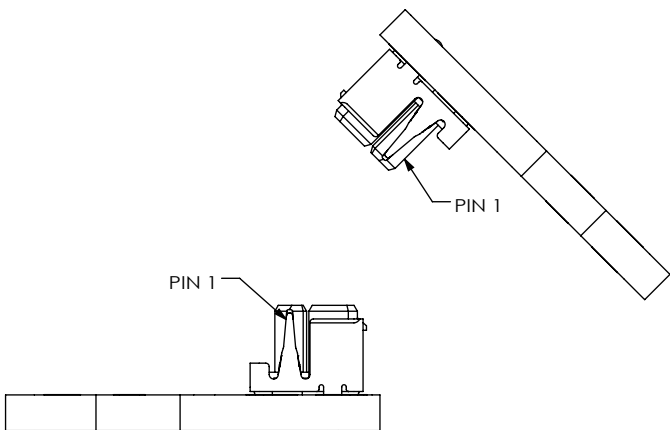
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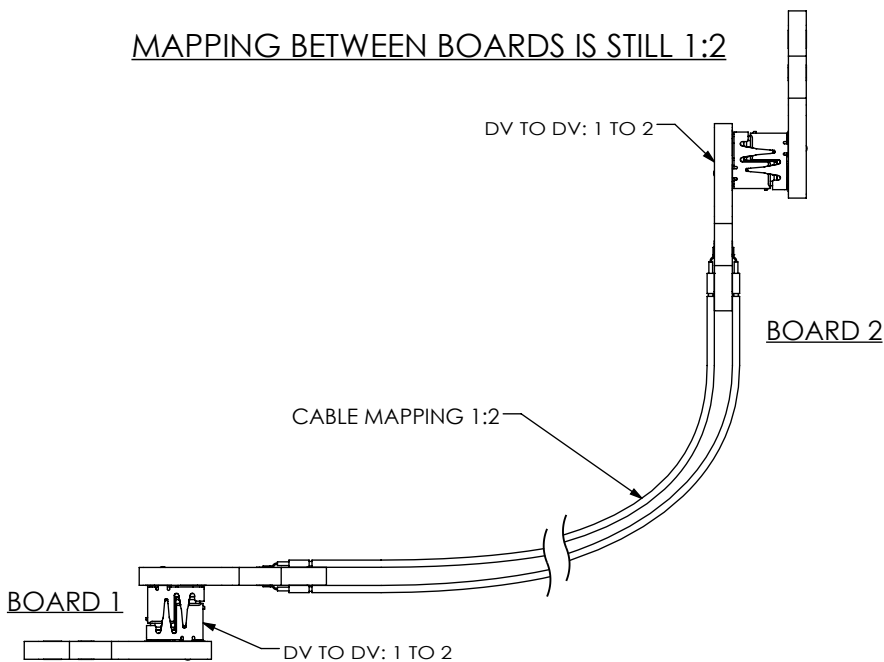
STANDARD BOARD - TO - BOARD



BOARDS NEED TO BE SPLIT WHILE MAINTAINING MAPPING FOR TESTING



MAPPING BETWEEN BOARDS IS STILL 1:2



APPLICATION EXAMPLE

- BOARD 1 HAS LSHM-130-02.5-L-DV-S
- BOARD 2 HAS LSHM-130-02.5-L-DV-S
- EXISTING PIN MAPPING IS PIN 1, BOARD 1 TO PIN 2, BOARD 2
- CUSTOMER WISHES TO SEPARATE BOARDS FOR TESTING PURPOSES, BUT MUST KEEP SAME PIN 1 TO PIN 2 CONNECTIVITY BETWEEN BOARDS
- CABLE CHOSEN IS HLCD-30-XX.XX-BR-BR-2
- THE HLCD CABLE ASSEMBLY IS SPECIFICALLY DESIGNED TO MATE WITH THE LSHM -S SHIELDED CONNECTOR. THE LSHM SHIELD SHOULD BE TIED TO THE GROUND REFERENCE PLANE IN THE CUSTOMER'S PCB.

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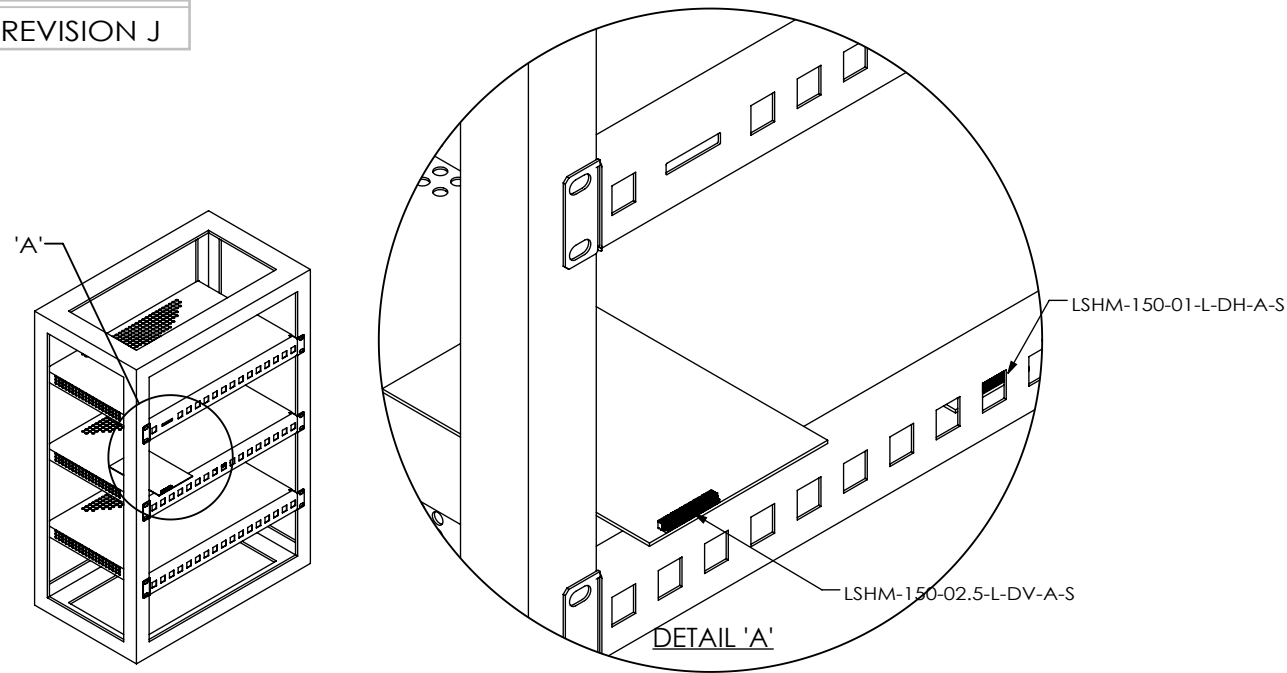
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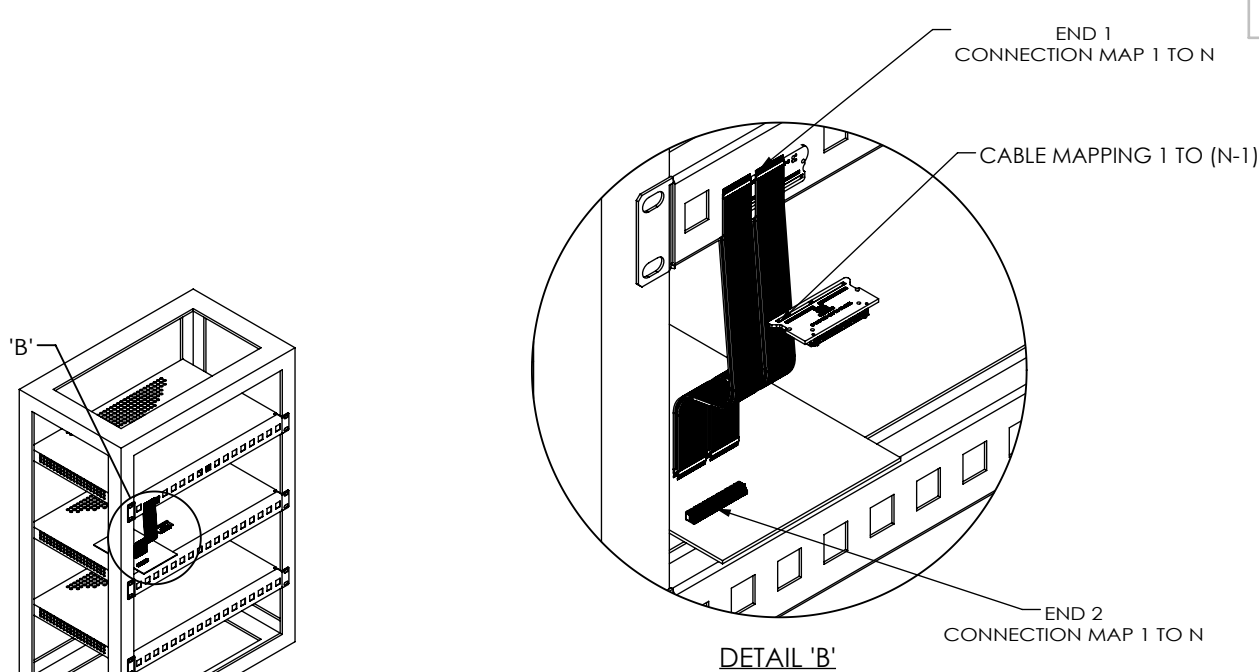
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HLCD APPLICATIONS

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APPLICATION EXAMPLE

- TOP BOARD HAS LSHM-150-01-L-DH-A-S
- LOWER BOARD HAS LSHM-150-02.5-L-DV-A-S
- CUSTOMER WISHES TO CONNECT PIN 1 ON TOP BOARD TO PIN 99 (N-1) ON LOWER BOARD
- CABLE CHOSEN IS HLCD-50-XX.XX-BL-BD-3
- THE HLCD CABLE ASSEMBLY IS SPECIFICALLY DESIGNED TO MATE WITH THE LSHM -S SHIELDED CONNECTOR. THE LSHM SHIELD SHOULD BE TIED TO THE GROUND REFERENCE PLANE IN THE CUSTOMER'S PCB.



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