REVISION F

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TABLE 2			
END	"C"	"D"	
OPTION	C	Ь	
XL,XR	0.650 [16.51]	0.218 [5.54]	
XD	0.788 [20.02]	0.264 [6.71]	
XH	0.788 [20.02]	0.264 [6.71]	

TABLE 3			
No. OF POSITIONS	N	N-1	
-005	10	9	
-010	20	19	
-020	40	39	
-030	60	59	
-040	80	79	
-050	100	99	

	TABLE 4		
	END TO END	"A"	
1	DV TO DV	0.860 [21.84]	
	DV TO DH	0.998 [25.35]	
	DV TO RH	0.998 [25.35]	
	DH TO DH	1.136 [28.85]	
	DH TO RH	1.136 [28.85]	
)	RH TO RH	1.136 [28.85]	
)			

## HLCD-XX-XX.XX-XXX-XXX-X

No OF POSITIONS -05, -10, -20, -30, -40, -50

(PER ROW)

**LENGTH** -XX.XX (INCHES) (01.72 [43.7] MIN)

#### **FIRST END**

-TR: DV CONN TOP RIGHT

-TL: DV CONN TOP LEFT

-BR: DV CONN BOTTOM RIGHT -BL: DV CONN BOTTOM LEFT

-TD: DH CONN TOP -TH: RH CONN TOP

-BD: DH CONN BOTTOM -BH: RH CONN BOTTOM

(SEE SHEET 2)

# SECOND END

-TR: DV CONN TOP RIGHT

-TL: DV CONN TOP LEFT

**WIRING OPTION** 

SECOND END OPTION

-S: SCREW DOWN OPTION IN PCB

(LEAVE BLANK FOR NON-SCREW

DOWN) (SCREW DOWN ONLY AVAILABLE FOR -TR, -TL, -BR, -BL OPTIONS, SEE FIG. 2)

-1: 1-1

-2: 1-2

-4: 1-N

-3: 1-(N-1)

-BR: DV CONN BOTTOM RIGHT -BL: DV CONN BOTTOM LEFT

-TD: DH CONN TOP

-TH: RH CONN TOP

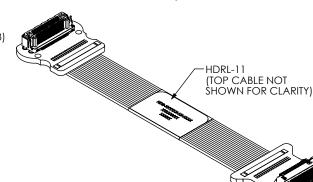
-BD: DH CONN BOTTOM

-BH: RH CONN BOTTOM

(SEE SHEET 3)

FIRST END OPTION

-S: SCREW DOWN OPTION IN PCB (LEAVE BLANK FOR NON-SCREW DOWN) (SCREW DOWN ONLY AVAILABLE FOR -TR, -TL, -BR, -BL OPTIONS, SEE FIG. 2)

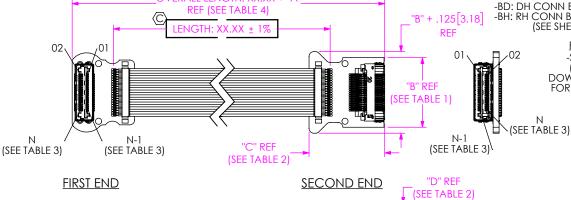


CRITICAL DIMENSION INSPECTION INSTRUCTION TABLE **ASSEMBLY IN-PROCESS OPERATION INSPECTION** PREP CABLE C1 C2, C3 E-TEST

# HLCD-20-XX.XX-TR-TD-1 SHOWN OVERALL LENGTH: XX.XX + "A"

FIG 1

VERTICAL TO DH



**ALL CABLE** TERMINATIONS TO BE POTTED WITH UV EPOXY

- 1. © REPRESENTS A CRITICAL DIMENSION.
  2. PARTS TO BE PROCESSED PER SAMTEC BOUNDARY DOCUMENT GUIDELINES.
- 3. ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED.
- 4. ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 300V.
- 5. HDRL-11 TO BE CENTERED ON CABLE AS SHOWN. LABEL TO CONTAIN:

LINE 1 - PART NUMBER "HLCD-XX-XX.XX-XXX-XXX-X"

LINE 2 - SHOP ORDER NUMBER "XXXXXX"

LINE 3 - DATE CODE "XXXXX".

- 6. FOR SUB-ASSEMBLY AND FINISHED GOOD PACKAGING REQUIREMENTS, REFERENCE PACKAGING STANDARD CO-HD-WI-3033-M.
- 7. SUB-TCF LENGTH IS EQUAL TO HLCD LENGTH.
- 8. CABLE LENGTHS GREATER THAN 40.00 INCHES ARE NOT SUPPORTED BY SI TEST DATA.
- 9. ALL PINS ROUTED AS SIGNALS. LSHM SHIELD TIED TO COAX SHIELD FOR GROUND RETURN.
- 10. DO NOT PULL ON COAX RIBBON TO UNMATE CABLE ASSEMBLY.
- 11. ON DV END OPTIONS PIN 01 LOCATION DENOTES LEFT OR RIGHT ORIENTATION.

						- 1
TABLE 1				] [		
No. OF	"B"	"B"	SUB-TCF-3850-XX-01-XX XX	QTY OF	SUB-HLCD-XX-XX-XX-X-L2.5	1
POSITIONS	(XR,XL)	(*XH,XD)	30B-1CF-3030-XX-01-XX	SUB-TCF	30B-HLCD-M-M-M-X-L2.3	Ш
-005	.380 [9.65]	.430 [10.92]	SUB-TCF-3850-05-01-XX XX	2	SUB-HLCD-05-XX-XX-X-L2.5	] -
-010	.478 [12.14]	.528 [13.41]	SUB-TCF-3850-10-01-XX XX	2	SUB-HLCD-10-XX-XX-X-L2.5	]
-020	.875 [22.23]	.725 [18.42]	SUB-TCF-3850-20-01-XX XX	2	SUB-HLCD-20-XX-XX-X-L2.5	][
-030	.975 [24.77]	1.025 [26.04]	SUB-TCF-3850-30-01-XX XX	2	SUB-HLCD-30-XX-XX-X-L2.5	7
-040	1.275 [32.39]	1.325 [33.66]	SUB-TCF-3850-20-01-XX XX	4	SUB-HLCD-40-XX-XX-X-L2.5	]
-050	1.575 [40.01]	1.625 [41.28]	SUB-TCF-3850-25-01-XX XX	4	SUB-HLCD-50-XX-XX-X-L2.5	] F

#### UNLESS OTHERWISE SPECIFIED. DIMENSIONS ARE IN INCHES. TOLERANCES ARE: **DECIMALS ANGLES** .XX: ±.01 [0.3] .XXX: ±.005 [0.13] 2°

.XXXX: ±.0020 [0.051]

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DESCRIPTION

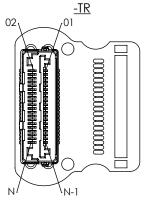
LSHM CABLE ASSEMBLY

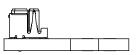
HLCD-XX-XX.XX-XXX-XXX-X

F:\DWG\MISC\MKTG\HLCD-XX-XX.XX-XXX-XXX-AKT.SLDDRW

BY: ANDREW C 05/29/2013 SHEET 1 OF 4

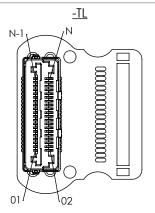


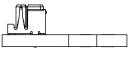




WIRING	FIRST END	SECOND END
OPTION	PIN#	PIN#
1	1	1
2	1	2
3	1	N-1
4	1	N

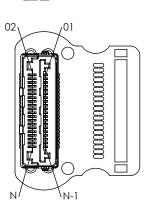
<u>-BR</u>



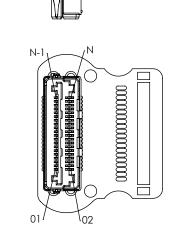


WIRING	FIRST END	SECOND END
OPTION	PIN#	PIN#
1	1	1
2	1	2
3	1	N-1
4	1	N



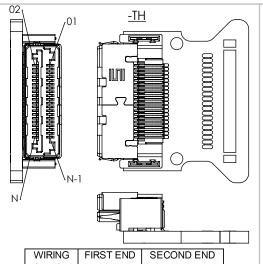


WIRING	FIRST END	SECOND END
OPTION	PIN#	PIN#
1	1	1
2	1	2
3	1	N-1
4	1	N



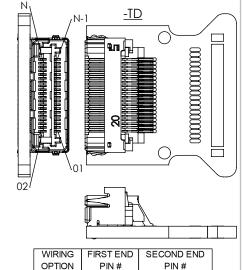
WIRING	FIRST END	SECOND END
OPTION	PIN#	PIN#
1	1	1
2	1	2
3	1	N-1
4	1	N

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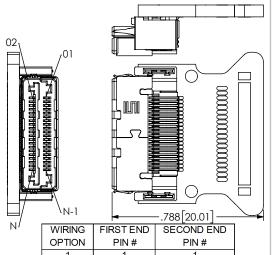
ĺ	WIRING	FIRST END	SECOND END	1
	OPTION	PIN#	PIN#	
	1	1	1	
	2	1	2	
	3	1	N-1	
	4	1	N	

<u>-BH</u>



WIRING	FIRST END	SECOND END
OPTION	PIN#	PIN#
1	1	1
2	1	2
3	1	N-1
4	1	N

<u>-BD</u>



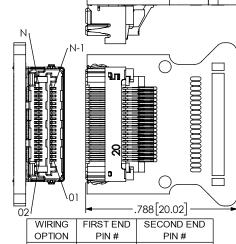
WIRING	FIRST END	SECOND END
OPTION	PIN#	PIN#
1	1	1
2	1	2
3	1	N-1
4	1	N

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WIRING	LIKO I END	SECOND END
OPTION	PIN#	PIN#
1	1	1
2	1	2
3	1	N-1
4	1	N

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DESCRIPTION:

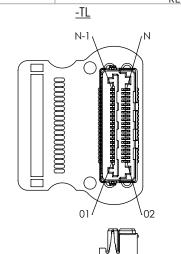
LSHM CABLE ASSEMBLY

DWG. NO.

HLCD-XX-XX.XX-XXX-XXX-X

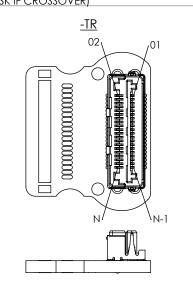
BY: ANDREW C 05/29/2013 SHEET 2 OF 4





WIRING	FIRST END	SECOND END		
OPTION	PIN#	PIN#		
OFTION	FIN#	7 IIN #		
	1	1		
2	1	2		
3	1	N-1		
4	1	Ν		

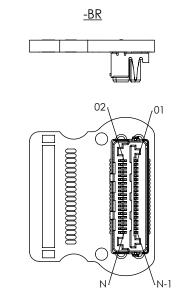
<u>-BL</u>



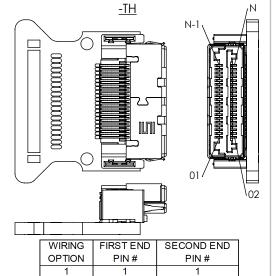
WIRING	FIRST END	SECOND END		
OPTION	PIN#	PIN#		
1	1	1		
2	1	2		
3	1	N-1		
4	1	N		

# 01

WIRING	FIRST END	SECOND END		
OPTION	PIN#	PIN#		
1	1	1		
2	1	2		
3	1	N-1		
4	1	N		

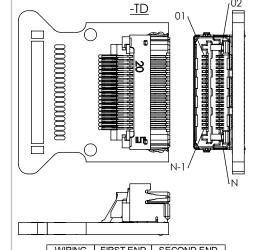


WIRING	FIRST END	SECOND END			
OPTION	PIN#	PIN#			
1	1	1			
2	1	2			
3	1	N-1			
4	1	Ν			



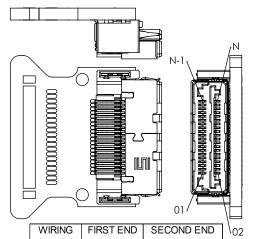
ſ	WIRING	FIRST END	SECOND END	
	OPTION	PIN#	PIN#	
	1	1	1	
ſ	2	1	2	
	3	1	N-1	
ſ	4	1	N	

<u>-BH</u>



WIRING	FIRST END	SECOND END
OPTION	PIN#	PIN#
1	1	1
2	1	2
3	1	N-1
4	1	N

-BD



WIRING	FIRST END	SECOND END			
OPTION	PIN#	PIN#			
1	1	1			
2	1	2			
3	1	N-1			
4	1	N			

		N-1	
WIRING	FIRST END	SECOND END	۱۱،
OPTION	PIN#	PIN#	
1	1	1	
2	1	2	

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DESCRIPTION:

LSHM CABLE ASSEMBLY

HLCD-XX-XX.XX-XXX-XXX-X BY: ANDREW C 05/29/2013 SHEET 3 OF 4

F:\DWG\MISC\MKTG\HLCD-XX-XX.XX-XXX-XXX-XKT.SLDDRW

## REVISION F

	TABLE 6											
FIRST	FIRST FND	WIRING	FIRST	SECOND		SECOND END OPTION (SUB-HLCD-XX-XX-XX-XX-XX)						
END OPTION	SUB-HLCD-XX-XX-XX-XX-XX.X	OPTION	END PIN#	END PIN#	-TRX	-TLX	-TD	-TH	-BRX	-BLX	-BD	-BH
		1	1	1	-XX-02-02-X-L2.5	N/A	-XX-03-01	N/A	N/A	-XX-01-02-X-L2.5	N/A	-XX-04-02
-TRX	-XX-01-01-X-L2.5	2	1	2	-XX-02-01-X-L2.5	N/A	-XX-03-02	N/A	N/A	-XX-01-01-X-L2.5	N/A	-XX-04-01
-1100	-XX-01-01-X-L2.5	3	1	N-1	N/A	-XX-01-01-X-L2.5	N/A	-XX-04-01	-XX-02-01-X-L2.5	N/A	-XX-03-02	N/A
		4	1	N	N/A	-XX-01-02-X-L2.5	N/A	-XX-04-02	-XX-02-02-X-L2.5	N/A	-XX-03-01	N/A
		1	1	1	N/A	-XX-01-02-X-L2.5	N/A	-XX-04-02	-XX-02-02-X-L2.5	N/A	-XX-03-01	N/A
-TLX	-XX-02-01-X-L2.5	2	1	2	N/A	-XX-01-01-X-L2.5	N/A	-XX-04-01	-XX-02-01-X-L2.5	N/A	-XX-03-02	N/A
-ILX	-701-02-01-71-22.5	3	1	N-1	-XX-02-01-X-L2.5	N/A	-XX-03-02	N/A	N/A	-XX-01-01-X-L2.5	N/A	-XX-04-01
		4	1	N	-XX-02-02-X-L2.5	N/A	-XX-03-01	N/A	N/A	-XX-01-02-X-L2.5	N/A	-XX-04-02
		1	1	1	-XX-02-02-X-L2.5	N/A	-XX-03-01	N/A	N/A	-XX-01-02-X-L2.5	N/A	-XX-04-02
-TH	-XX-04-01	2	1	2	-XX-02-01-X-L2.5	N/A	-XX-03-02	N/A	N/A	-XX-01-01-X-L2.5	N/A	-XX-04-01
-111	-701-01-01	3	1	N-1	N/A	-XX-01-01-X-L2.5	N/A	-XX-04-01	-XX-02-01-X-L25	N/A	-XX-03-02	N/A
		4	1	N	N/A	-XX-01-02-X-L2.5	N/A	-XX-04-02	-XX-02-02-X-L2.5	N/A	-XX-03-01	N/A
		1	1	1	N/A	-XX-01-01-X-L2.5	N/A	-XX-04-01	-XX-02-01-X-L2.5	N/A	-XX-03-02	N/A
-TD	-XX-03-01	2	1	2	N/A	-XX-01-02-X-L2.5	N/A	-XX-04-02	-XX-02-02-X-L2.5	N/A	-XX-03-01	N/A
-10	-707-00-01	3	1	N-1	-XX-02-02-X-L2.5	N/A	-XX-03-01	N/A	N/A	-XX-01-02-X-L2.5	N/A	-XX-04-02
		4	1	N	-XX-02-01-X-L2.5	N/A	-XX-03-02	N/A	N/A	-XX-01-01-X-L2.5	N/A	-XX-04-01
		1	1	1	N/A	-XX-01-02-X-L2.5	N/A	-XX-04-02	-XX-02-02-X-L2.5	N/A	-XX-03-01	N/A
-BRX	-XX-01-01-X-L2.5	2	1	2	N/A	-XX-01-01-X-L2.5	N/A	-XX-04-01	-XX-02-01-X-L2.5	N/A	-XX-03-02	N/A
-DIO	-701-01-71-22.5	3	1	N-1	-XX-02-01-X-L2.5	N/A	-XX-03-02	N/A	N/A	-XX-01-01-X-L2.5	N/A	-XX-04-01
		4	1	N	-XX-02-02-X-L2.5	N/A	-XX-03-01	N/A	N/A	-XX-01-02-X-L2.5	N/A	-XX-04-02
		1	1	1	-XX-02-02-X-L2.5	N/A	-XX-03-01	N/A	N/A	-XX-01-02-X-L2.5	N/A	-XX-04-02
-BLX	-XX-02-01-X-L2.5	2	1	2	-XX-02-01-X-L2.5	N/A	-XX-03-02	N/A	N/A	-XX-01-01-X-L2.5	N/A	-XX-04-01
DEX	700 02 01 X E2.0	3	1	N-1	N/A	-XX-01-01-X-L2.5	N/A	-XX-04-01	-XX-02-01-X-L25	N/A	-XX-03-02	N/A
		4	1	N	N/A	-XX-01-02-X-L2.5	N/A	-XX-04-02	-XX-02-02-X-L2.5	N/A	-XX-03-01	N/A
		1	1	1	N/A	-XX-01-02-X-L2.5	N/A	-XX-04-02	-XX-02-02-X-L25	N/A	-XX-03-01	N/A
-BH	-XX-04-01	2	1	2	N/A	-XX-01-01-X-L2.5	N/A	-XX-04-01	-XX-02-01-X-L2.5	N/A	-XX-03-02	N/A
	7000101	3	1	N-1	-XX-02-01-X-L2.5	N/A	-XX-03-02	N/A	N/A	-XX-01-01-X-L2.5	N/A	-XX-04-01
		4	1	N	-XX-02-02-X-L2.5	N/A	-XX-03-01	N/A	N/A	-XX-01-02-X-L2.5	N/A	-XX-04-02
		1	1	1	-XX-02-01-X-L2.5	N/A	-XX-03-02	N/A	N/A	-XX-01-01-X-L2.5	N/A	-XX-04-01
-BD	-XX-03-01	2	1	2	-XX-02-02-X-L2.5	N/A	-XX-03-01	N/A	N/A	-XX-01-02-X-L2.5	N/A	-XX-04-02
-00	-7/7-00-01	3	1	N-1	N/A	-XX-01-02-X-L2.5	N/A	-XX-04-02	-XX-02-02-X-L2.5	N/A	-XX-03-01	N/A
		4	1	N	N/A	-XX-01-01-X-L2.5	N/A	-XX-04-01	-XX-02-01-X-L2.5	N/A	-XX-03-02	N/A

FOR -TRX, -TLX, -BRX, -BLX ADD "S" FOR SCREW DOWN OPTION (I.E. -TLS END OPTION = SUB-HLCD-XX-02-XX-S-L2.5)

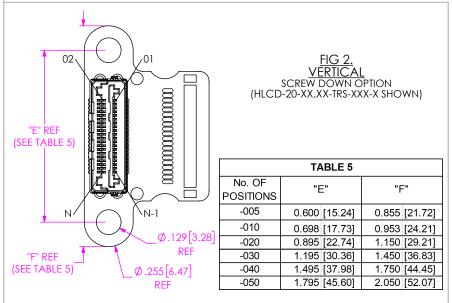


TABLE 7										
E	EXAMPLE SIGNAL MAPPING - HLCD-20-XX.XX-XXX-XXX-1									
<b>END 1</b> 1 3 5 35 37 39										
NAME	SIG	SIG	SIG		SIG	SIG	SIG			
END 2	1	3	5		35	37	39			
END 1	2	4	6		36	38	40			
NAME	NAME SIG SIG SIG SIG SIG									
END 2 2 4 6 36 38 40										
LS	LSHM SHIELD TIED TO COAX SHIELD FOR GROUND RETURN									

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DESCRIPTION:

LSHM CABLE ASSEMBLY

BY:ANDREW C 05/29/2013 SHEET 4 OF 4

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