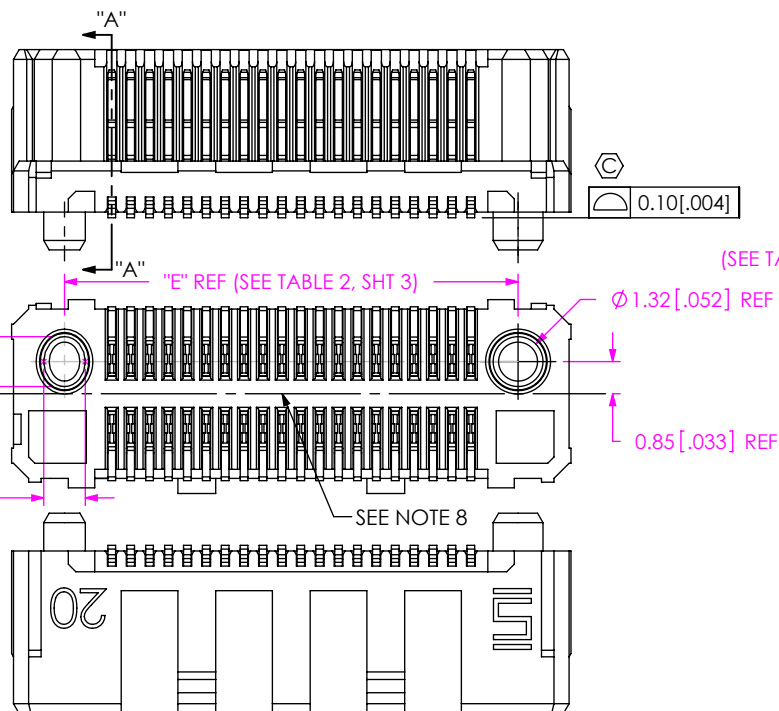
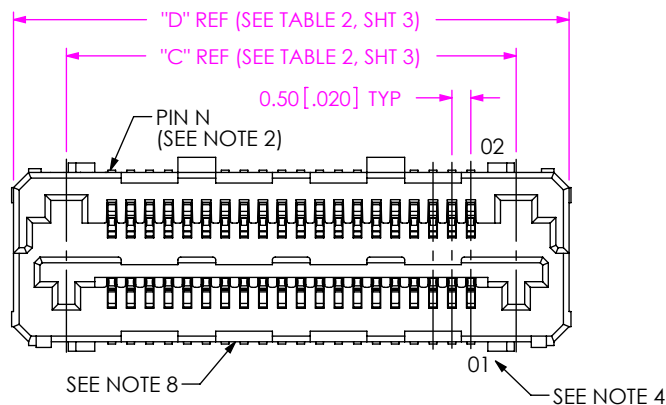


DO NOT
SCALE FROM
THIS PRINT

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. BREAKOFF BURR ALLOWANCE .054 [.0021].
3. MINIMUM PUSHOUT FORCE; TERMINALS: 2.22 N [.5 LBS], CONTACTS: 2.22 N [.5 LBS].
4. WHEN MATING WITH ANOTHER LSHM-DV, PIN 01 WILL MATE WITH CONTACT 02 ON MATING CONNECTOR. WHEN MATING WITH A LSHM-DH, PIN 01 WILL MATE WITH PIN N, WHERE N=TOTAL NUMBER OF POSITIONS.
5. MEASURE FROM TOP OF VERTICAL WALL.
6. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM
7. FOR APPLICATION REQUIRING TWO OR MORE CONNECTORS PER BOARD, CONTACT IPG@SAMTEC.COM.
8. VOID CORING ON THIS SURFACE MAY VARY DEPENDING ON LEAD STYLE AND POSITION COUNT.
9. FOR SL/-STL PLATING:
 - USE SUB-C-261-X1-STL FOR -02.5 LEAD STYLE
 - USE SUB-C-185-X1-STL FOR -03.0 LEAD STYLE
 - ALL OTHER LEAD STYLES USE STANDARD -STL PLATED PIN
10. ATTACH LABEL-4X2 TO EACH REEL.
11. -STL CALLOUT IS VALID FOR EXISTING CUSTOMERS ONLY, NEW CUSTOMERS WILL USE -SL.

LSHM-1XX-XX.X-XXX-DV-A-X-X-XX

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

LEAD STYLE

-02.5
-03.0
-04.0
-06.0
-L2.5: LUBRICATED
-L3.0: LUBRICATED
-L4.0: LUBRICATED
-L6.0: LUBRICATED

PLATING SPECIFICATION

-L: 10μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
-F: 3μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
-S: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
-H: 30μ" HEAVY GOLD IN CONTACT AREA, 3μ" GOLD ON TAIL
-SL: 30" SELECTIVE GOLD IN CONTACT AREA, TIN/LEAD (90/10 +/- 5%) TAIL (SEE NOTE 9) (SEE NOTE 11)

PACKAGING

-TR: TAPE & REEL (SEE NOTE 6)
-FR: FULL REEL QTY. TAPE & REEL (SEE NOTE 10)

OPTION

-K: POLYIMIDE FILM (USE K-DOT-.138-.250-.005) (SEE FIG 3, SHT 3)

SHIELD

S: WITH SHIELD
N: NO SHIELD

TAIL OPTION

DV:VERTICAL

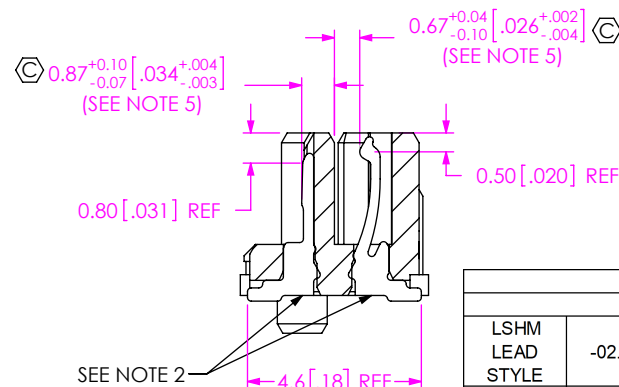
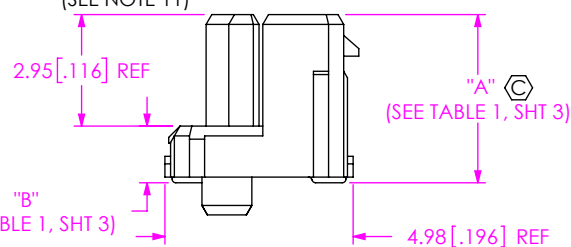


FIG 1

(LSHM-1XX-XX.X-XXX-DV-A-N-X-XX SHOWN)

SECTION "A"- "A"
SCALE 5 : 1TABLE 4-REF
STACK HEIGHT

LSHM LEAD STYLE	-02.5	-03.0	-04.0	-06.0
-02.5	5.0MM	--	--	--
-03.0	5.5MM	6.0MM	--	--
-04.0	6.5MM	7.0MM	8.0MM	--
-06.0	8.5MM	9.0MM	10.0MM	12.0MM

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN
MILLIMETERS(INCHES).

TOLERANCES ARE:

DECIMALS

ANGLES

X.X: ±0.3 [.01]

2°

X.XX: ±0.13 [.005]

X.XXX: ±0.051 [.0020]

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MATERIAL:

DO NOT SCALE DRAWING
INSULATOR: LCP, UL 94 V0; COLOR: BLACK
CONTACT OR TERMINAL: PHOS BRONZE
SHIELD: STAINLESS STEEL

SHEET SCALE: 2:1

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

DESCRIPTION:

0.50mm TERMINAL/SOCKET COMBO

DWG. NO.

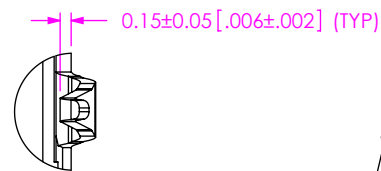
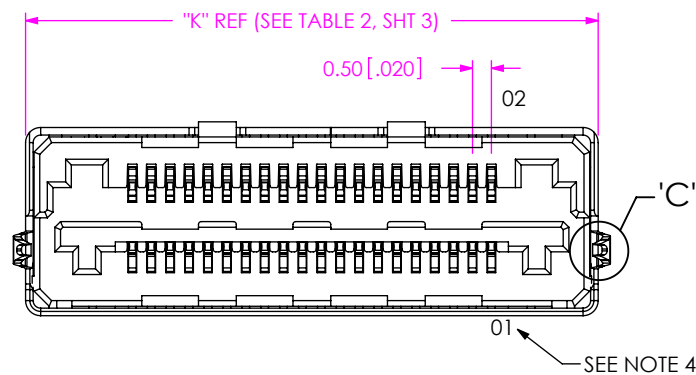
LSHM-1XX-XX.X-XXX-DV-A-X-X-XX

BY: AGEN H

10/30/2008

SHEET 1 OF 3

F:\DWG\MISC\MKTG\LSHM-1XX-XX.X-XXX-DV-A-X-X-XX-MKT.SLDDRW



DETAIL 'C'
SCALE 10:1

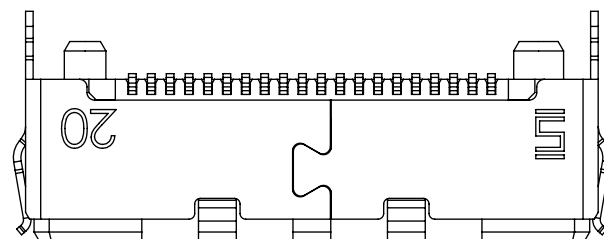
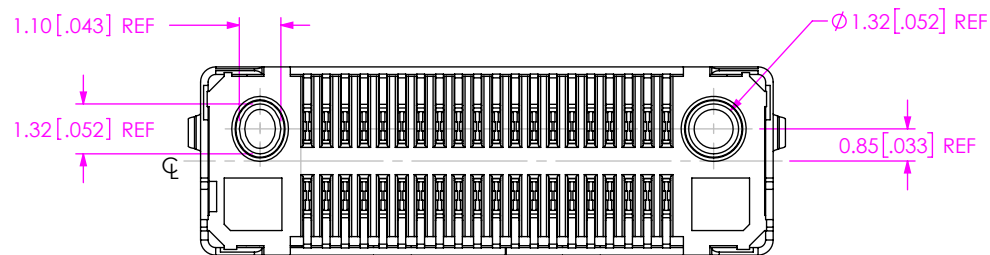
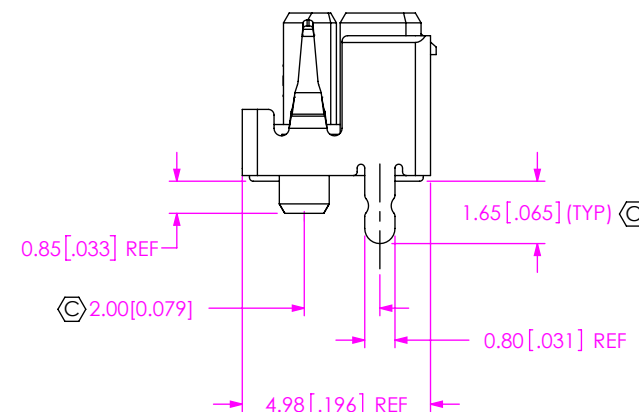
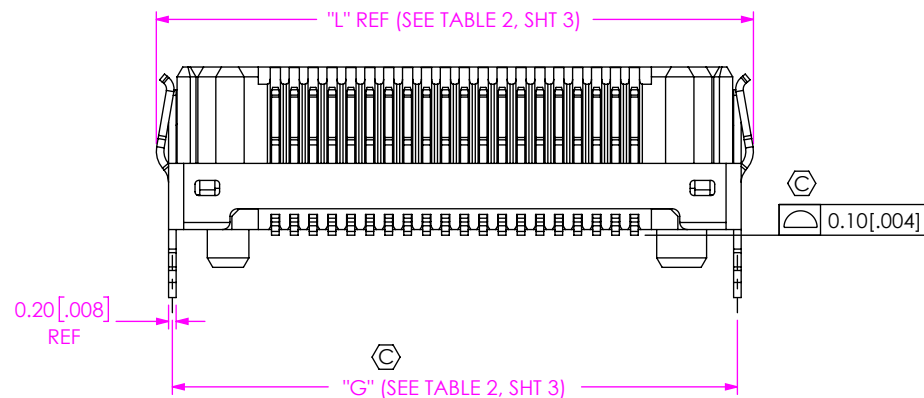
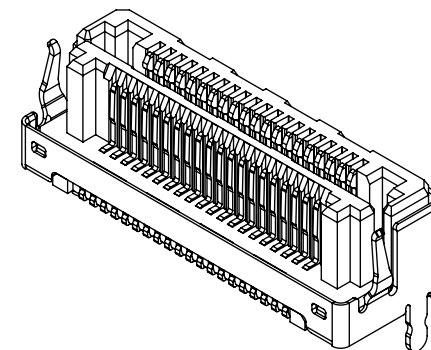


FIG 2
(LSHM-1XX-XX.X-XXX-DV-A-S-X-XX SHOWN)

F:\DWG\MISC\MKTG\LSHM-1XX-XX.X-XXX-DV-A-S-X-XX-MKT.SLDDRW

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samtec

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

DESCRIPTION:
0.50mm TERMINAL/SOCKET COMBO

DWG. NO.
LSHM-1XX-XX.X-XXX-DV-A-S-X-XX

BY: AGEN H 10/30/2008 SHEET 2 OF 3

TABLE 1			
STYLE	"A"	"B"	"J"
-02.5	3.95 [0.156]	1.00 [0.039]	4.10 [0.161]
-03.0	4.45 [0.175]	1.50 [0.059]	4.60 [0.181]
-04.0	5.45 [0.215]	2.50 [0.098]	5.60 [0.220]
-06.0	7.45 [0.293]	4.50 [0.177]	7.60 [0.299]

TABLE 2							
No OF POS	"C"	"D"	"E"	"G"	"H"	"K"	"L"
-05	4.40 [0.173]	7.20 [0.283]	4.50 [0.177]	7.45 [0.293]	1.85 [0.073]	7.65 [0.301]	8.30 [0.327]
-10	6.90 [0.272]	9.70 [0.382]	7.00 [0.276]	9.95 [0.392]	3.10 [0.122]	10.15 [0.400]	10.80 [0.425]
-20	11.90 [0.469]	14.70 [0.579]	12.00 [0.472]	14.95 [0.589]	5.60 [0.220]	15.15 [0.596]	15.80 [0.622]
-30	16.90 [0.665]	19.70 [0.776]	17.00 [0.669]	19.95 [0.785]	8.10 [0.319]	20.15 [0.793]	20.80 [0.819]
-40	21.90 [0.862]	24.70 [0.972]	22.00 [0.866]	24.95 [0.982]	10.60 [0.417]	25.15 [0.990]	25.80 [1.016]
-50	26.90 [1.059]	29.70 [1.169]	27.00 [1.063]	29.95 [1.179]	13.10 [0.516]	30.15 [1.187]	30.80 [1.213]

TABLE 3				
LEAD STYLE	SHIELD	BODY	CONTACT (SEE NOTE 9)	SHIELD
-02.5	N	LSHM-XX-02.5-DV-A	C-261-01-XXX	N/A
-03.0	N	LSHM-XX-03.0-DV-A	C-185-01-XXX	N/A
-04.0	N	LSHM-XX-04.0-DV-A	C-185-03-XXX	N/A
-06.0	N	LSHM-XX-06.0-DV-A	C-185-02-XXX	N/A
-02.5	S	LSHM-XX-02.5-DV-A	C-261-01-XXX	SH26-XX-02.5-DV-N
-03.0	S	LSHM-XX-03.0-DV-A	C-185-01-XXX	SH26-XX-03.0-DV-N
-04.0	S	LSHM-XX-04.0-DV-A	C-185-03-XXX	SH26-XX-04.0-DV-N
-06.0	S	LSHM-XX-06.0-DV-A	C-185-02-XXX	SH26-XX-06.0-DV-N
-L2.5	N	LSHM-XX-02.5-DV-A	C-261-L1-XXX	N/A
-L3.0	N	LSHM-XX-03.0-DV-A	C-185-L1-XXX	N/A
-L4.0	N	LSHM-XX-04.0-DV-A	C-185-L3-XXX	N/A
-L6.0	N	LSHM-XX-06.0-DV-A	C-185-L2-XXX	N/A
-L2.5	S	LSHM-XX-02.5-DV-A	C-261-L1-XXX	SH26-XX-02.5-DV-N
-L3.0	S	LSHM-XX-03.0-DV-A	C-185-L1-XXX	SH26-XX-03.0-DV-N
-L4.0	S	LSHM-XX-04.0-DV-A	C-185-L3-XXX	SH26-XX-04.0-DV-N
-L6.0	S	LSHM-XX-06.0-DV-A	C-185-L2-XXX	SH26-XX-06.0-DV-N

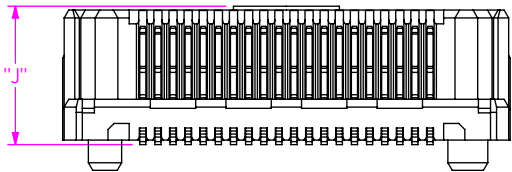
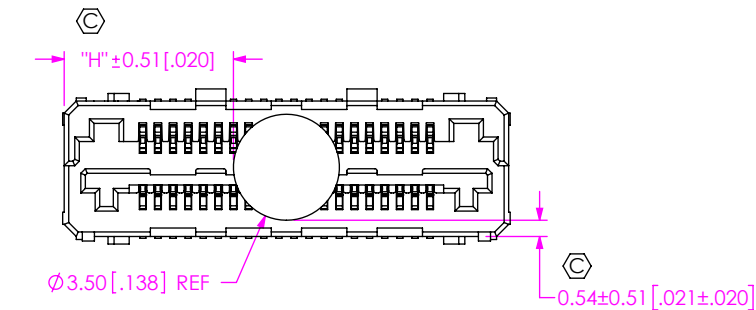


FIG 3
-K OPTION
(LSHM-120-XX.X-XXX-DV-A-N-K-XX SHOWN)

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