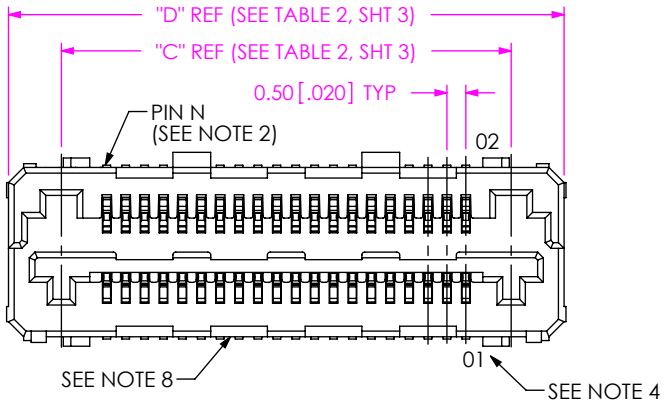
REVISION AF

DO NOT SCALE FROM THIS PRINT



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

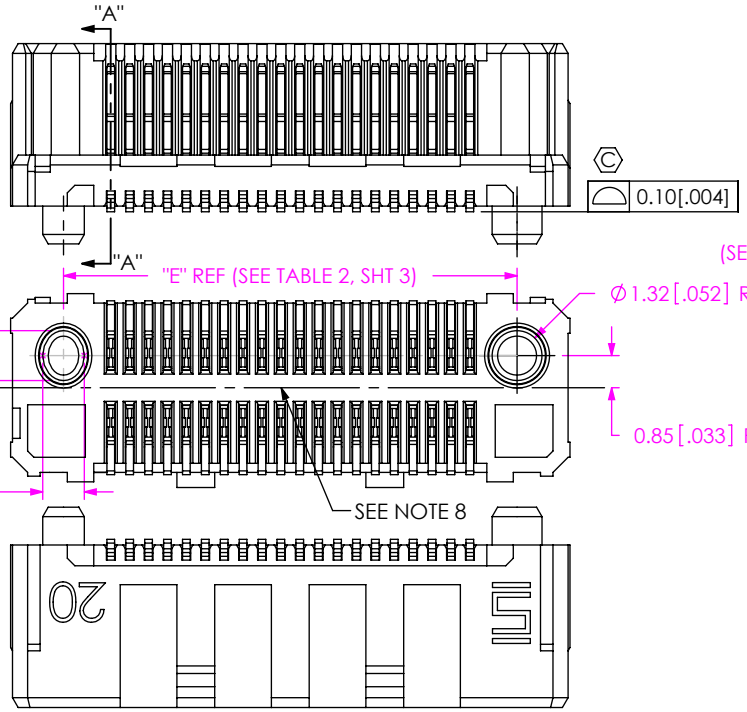
PLATING SPECIFICATION
-L: 10µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
-F: 3µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
-S: 30µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
-H: 30µ" HEAVY GOLD IN CONTACT AREA, 3µ" GOLD ON TAIL
-SL: 30" SELECTIVE GOLD IN CONTACT AREA, TIN/LEAD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

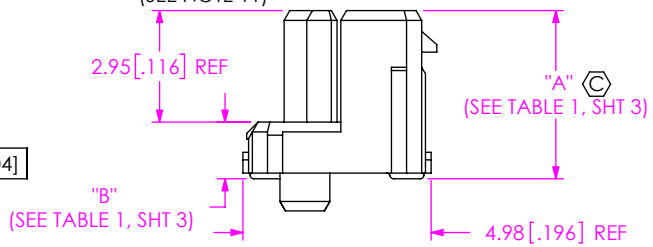
PACKAGING
-TR: TAPE & REEL (SEE NOTE 6)
-FR: FULL REEL QTY. TAPE & REEL (SEE NOTE 10)

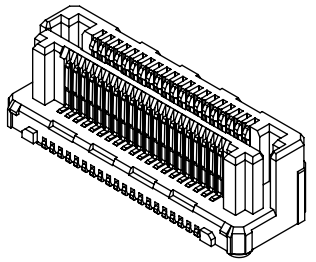
OPTION
-K: POLYIMIDE FILM (USE K-DOT-.138-.250-.005) (SEE FIG 3, SHT 3)

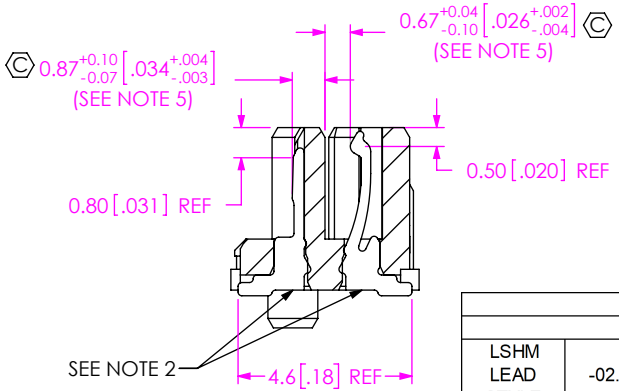
SHIELD
S: WITH SHIELD
N: NO SHIELD

TAIL OPTION
DV:VERTICAL









SECTION "A"-"A"
SCALE 5 : 1

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

TABLE 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

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.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS[INCHES].
TOLERANCES ARE:
DECIMALS: X.X: ±0.3 [.01]; X.XX: ±0.13 [.005]; X.XXX: ±0.051 [.0020]
ANGLES: 2 °

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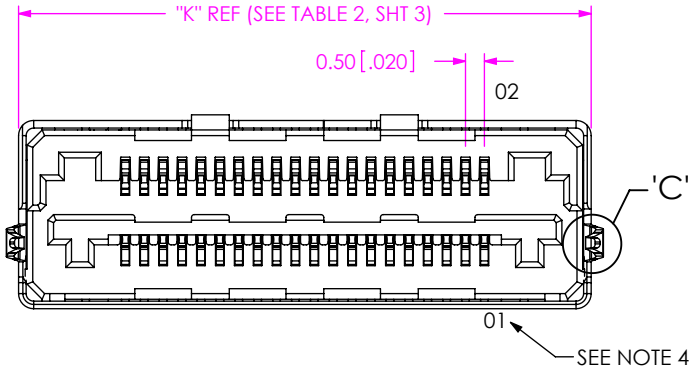
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INSULATOR: LCP, UL 94 V0; COLOR: BLACK
CONTACT OR TERMINAL: PHOS BRONZE
SHIELD: STAINLESS STEEL

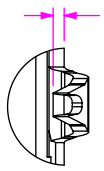
F:\DWG\MISC\MKTG\LSHM-1XX-XX.X-XXX-DV-A-X-X-XX-MKT.SLDDRW

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e-Mail info@SAMTEC.com code 55322

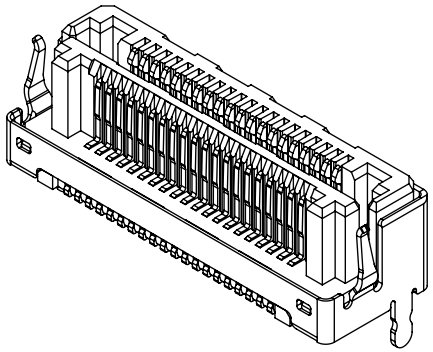
DESCRIPTION: 0.50mm TERMINAL/SOCKET COMBO
DWG. NO. LSHM-1XX-XX.X-XXX-DV-A-X-X-XX
BY: AGEN H 10/30/2008 SHEET 1 OF 3

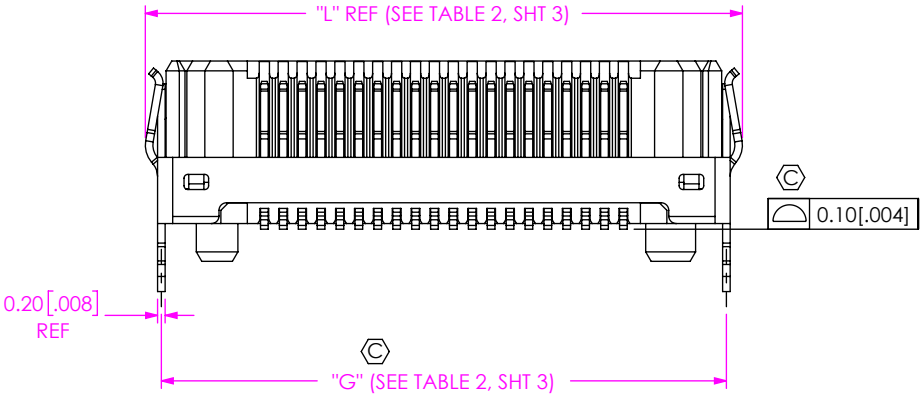
REVISION AF

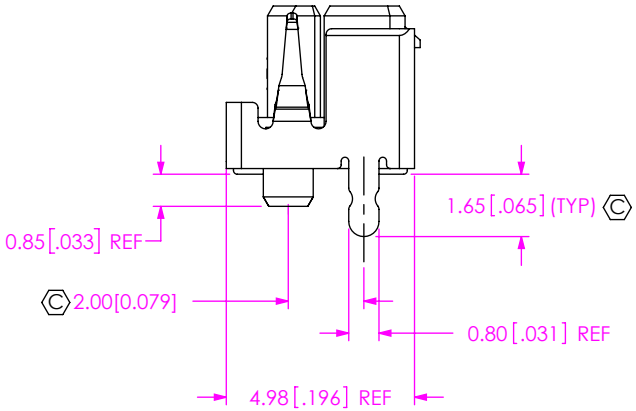




DETAIL 'C'
SCALE 10 : 1







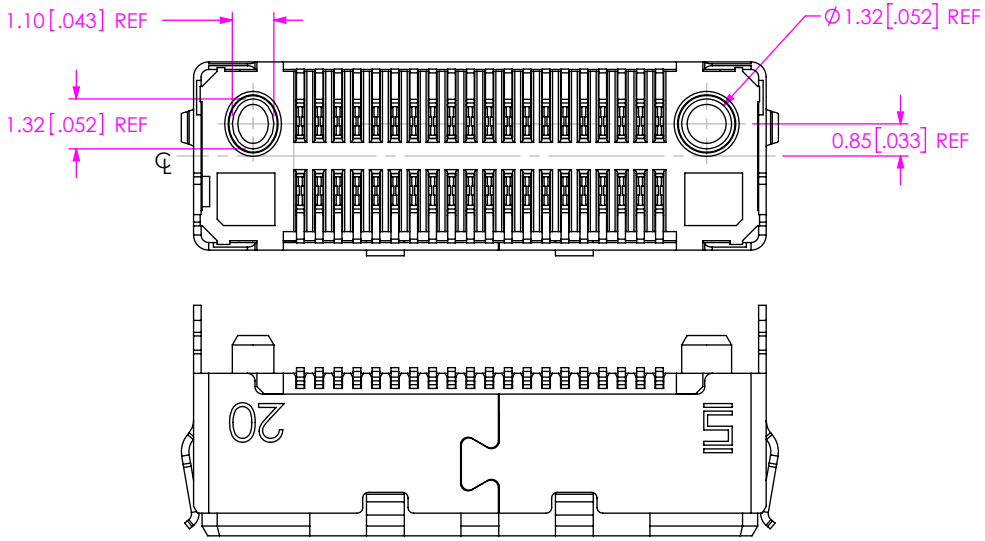


FIG 2
(LSHM-1XX-XX.X-XXX-DV-A-S-X-XX SHOWN)

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

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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 2 OF 3

REVISION AF

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

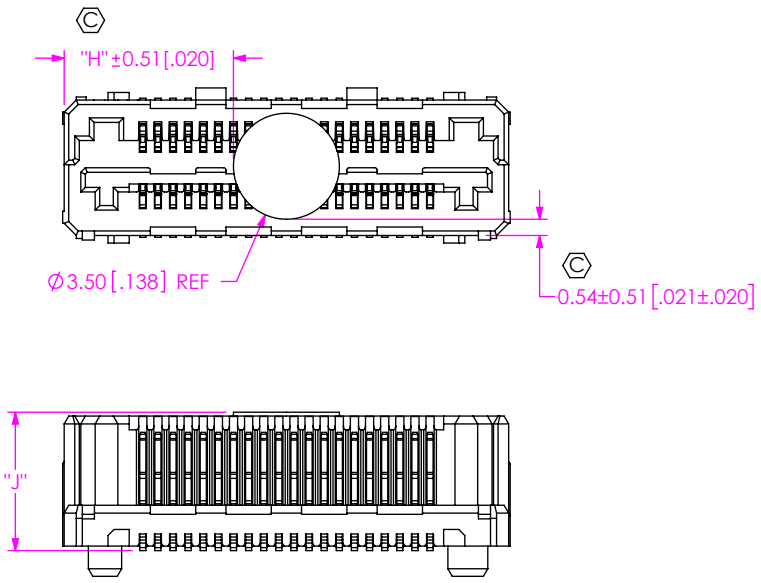


FIG 3
-K OPTION
(LSHM-120-XX.X-XXX-DV-A-N-K-XX SHOWN)

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SHEET SCALE: 5:1

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 3 OF 3

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

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