

DO NOT SCALE FROM THIS PRINT

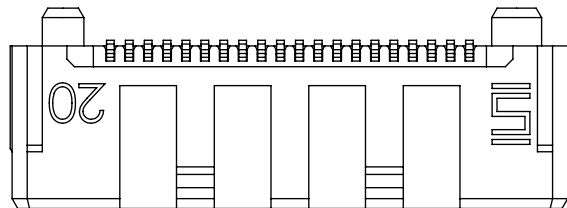
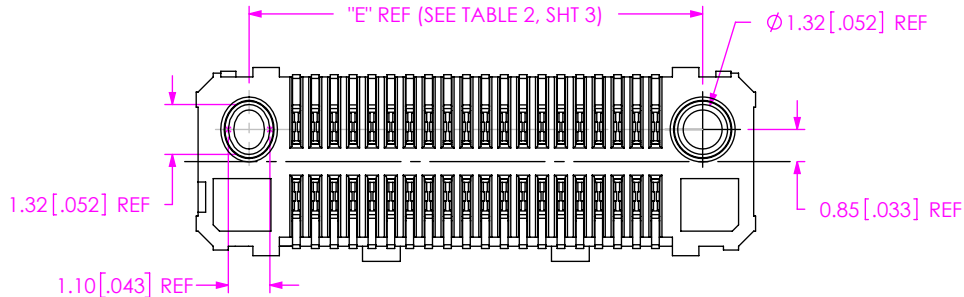
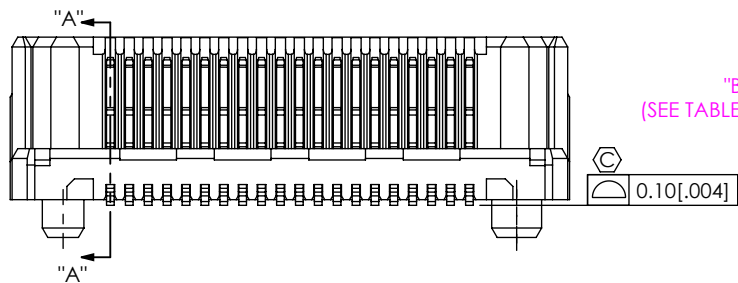
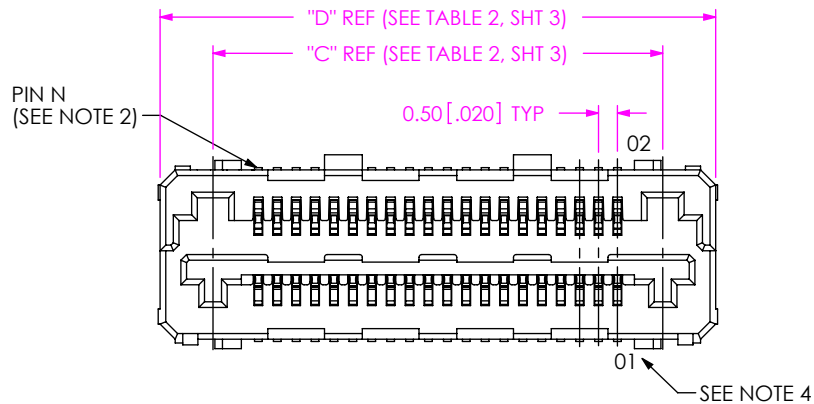


FIG 1  
(LSHM-1XX-XX.X-DV-A-N-X-TR SHOWN)

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. BURR ALLOWANCE: .038 [.0015].
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. FOR QUANTITIES UP TO 49 PCS., NO LEADER, TRAILER OR REEL WILL BE SUPPLIED. FOR QUANTITIES OF 50-124 PCS., NO LEADER OR TRAILER WILL BE SUPPLIED.
7. FOR APPLICATION REQUIRING TWO OR MORE CONNECTORS PER BOARD, CONTACT IPG@SAMTEC.COM.

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

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

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

PACKAGING(SEE NOTE 6)  
-TR: TAPE & REEL

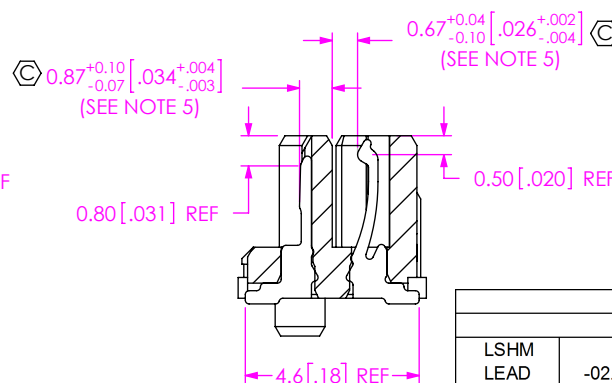
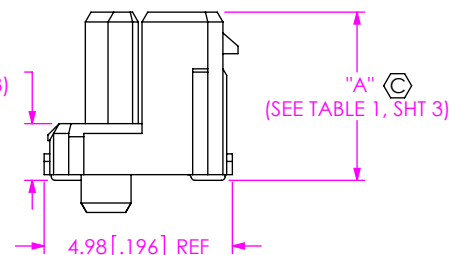
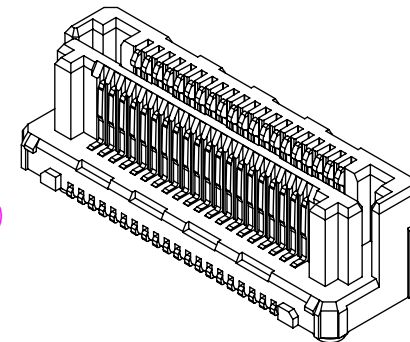
OPTION  
-K: POLYIMIDE FILM  
(USE K-DOT-.138-.250-.005)  
(SEE FIG 3, SHT 3)

SHIELD  
S: WITH SHIELD  
N: NO SHIELD

TAIL OPTION  
DV:VERTICAL

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



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

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

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 SHEET SCALE: 2:1  
INSULATOR: LCP, UL 94 V0; COLOR: BLACK  
CONTACT OR TERMINAL: PHOS BRONZE  
SHIELD: STAINLESS STEEL

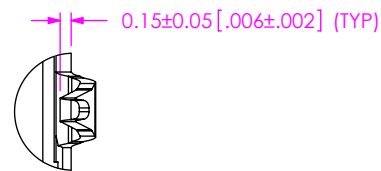
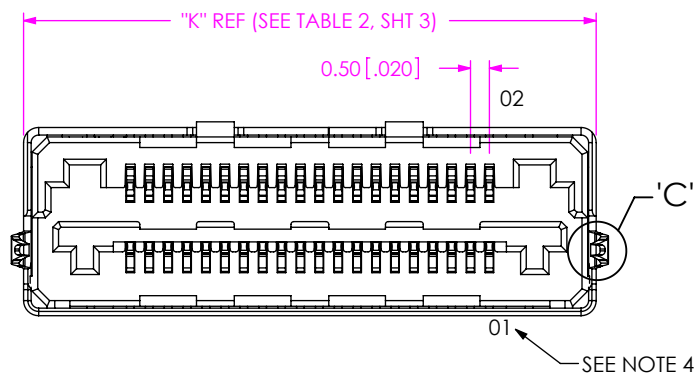


520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail info@SAMTEC.com code 55322

DESCRIPTION:  
0.50mm TERMINAL/SOCKET COMBO

DWG. NO.  
LSHM-1XX-XX.X-XX-DV-A-X-X-TR

BY: AGEN H 10/30/2008 SHEET 1 OF 3



DETAIL 'C'  
SCALE 10:1

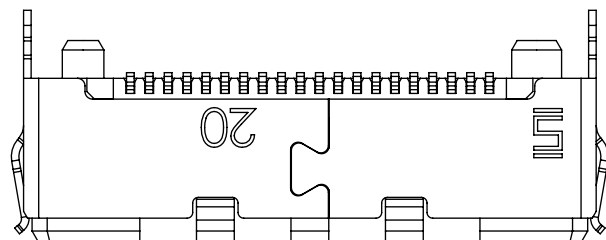
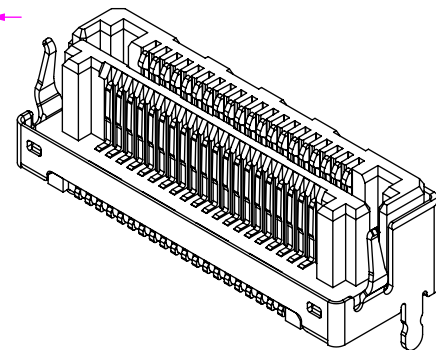
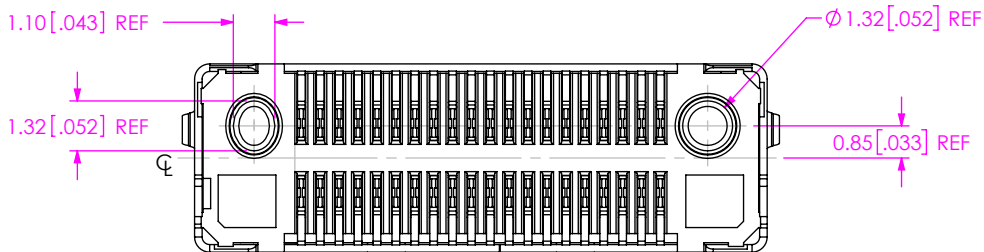
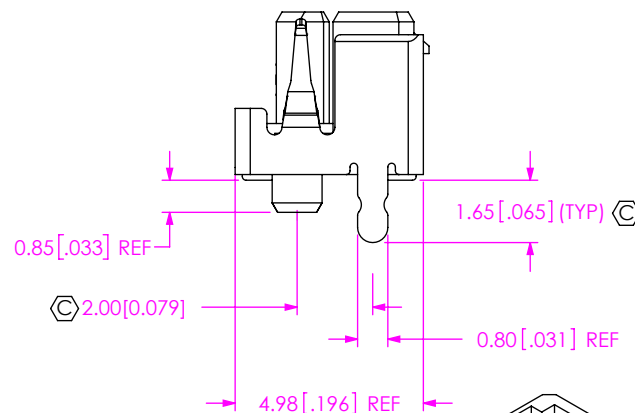
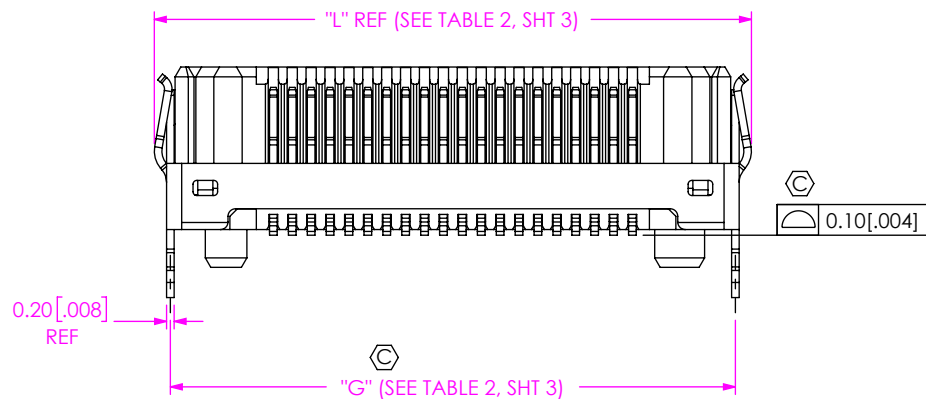


FIG 2  
(LSHM-1XX-XX.X-DV-A-S-X-TR SHOWN)

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DO NOT SCALE DRAWING  
SHEET SCALE: 1:0.2



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0.50mm TERMINAL/SOCKET COMBO

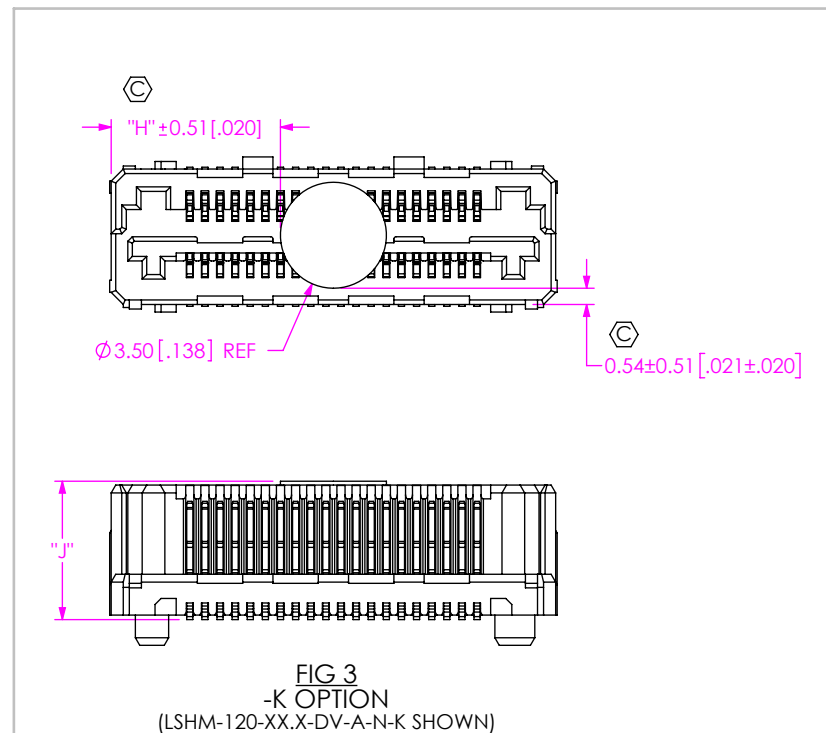
DWG. NO.  
LSHM-1XX-XX.X-XX-DV-A-X-X-TR

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

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]

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]

LEAD STYLE	SHIELD	BODY	CONTACT	SHIELD
-02.5	N	LSHM-XX-02.5-DV-A	C-261-01-X	N/A
-03.0	N	LSHM-XX-03.0-DV-A	C-185-01-X	N/A
-04.0	N	LSHM-XX-04.0-DV-A	C-185-03-X	N/A
-06.0	N	LSHM-XX-06.0-DV-A	C-185-02-X	N/A
-02.5	S	LSHM-XX-02.5-DV-A	C-261-01-X	SH26-XX-02.5-DV-N
-03.0	S	LSHM-XX-03.0-DV-A	C-185-01-X	SH26-XX-03.0-DV-N
-04.0	S	LSHM-XX-04.0-DV-A	C-185-03-X	SH26-XX-04.0-DV-N
-06.0	S	LSHM-XX-06.0-DV-A	C-185-02-X	SH26-XX-06.0-DV-N
-L2.5	N	LSHM-XX-02.5-DV-A	C-261-L1-X	N/A
-L3.0	N	LSHM-XX-03.0-DV-A	C-185-L1-X	N/A
-L4.0	N	LSHM-XX-04.0-DV-A	C-185-L3-X	N/A
-L6.0	N	LSHM-XX-06.0-DV-A	C-185-L2-X	N/A
-L2.5	S	LSHM-XX-02.5-DV-A	C-261-L1-X	SH26-XX-02.5-DV-N
-L3.0	S	LSHM-XX-03.0-DV-A	C-185-L1-X	SH26-XX-03.0-DV-N
-L4.0	S	LSHM-XX-04.0-DV-A	C-185-L3-X	SH26-XX-04.0-DV-N
-L6.0	S	LSHM-XX-06.0-DV-A	C-185-L2-X	SH26-XX-06.0-DV-N



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<p>DO NOT SCALE DRAWING SHEET SCALE: 5:1</p>	<p>DESCRIPTION: 0.50mm TERMINAL/SOCKET COMBO</p>	
	<p>DWG. NO. LSHM-1XX-XX.X-XX-DV-A-X-X-TR</p>	
	<p>BY: AGEN H 10/30/2008</p>	<p>SHEET 3 OF 3</p>