REVISION AB

DESIGNED & DIMENSIONED
IN MILLIMETERS[INCHES]

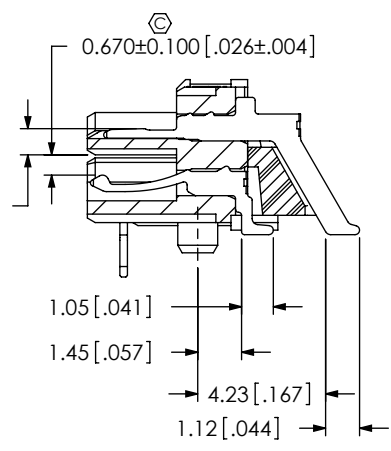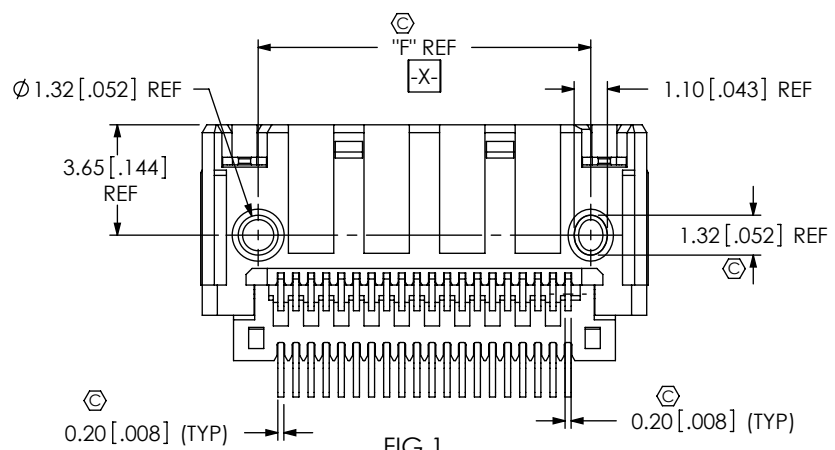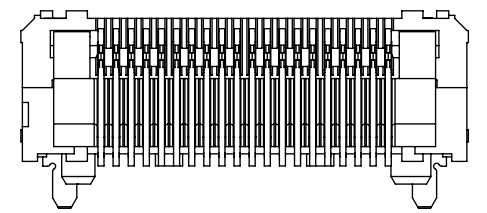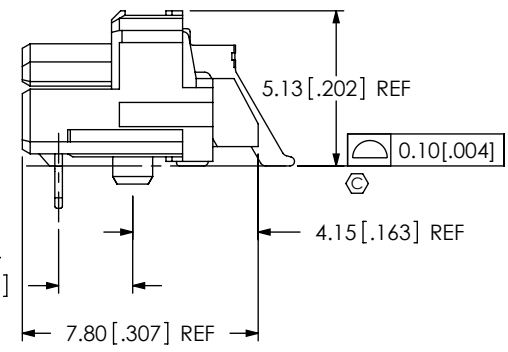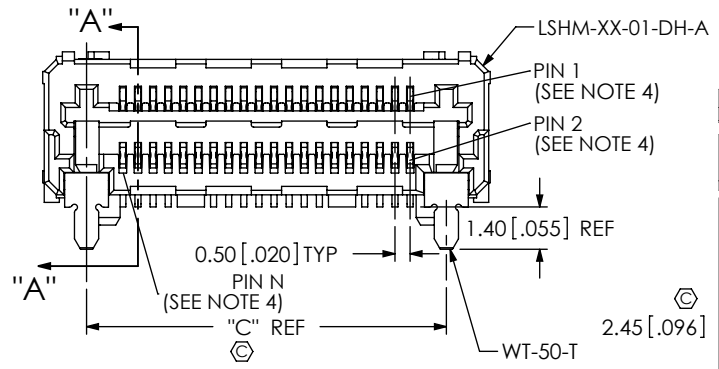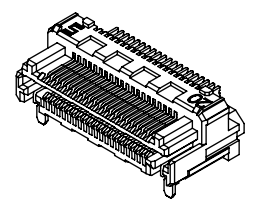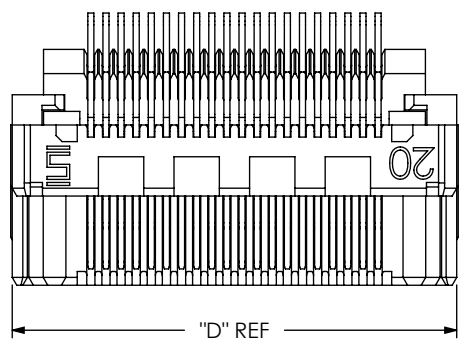**LSHM-1XX-XX-X-DH-A-X-X-TR**

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

LEAD STYLE
-01: RIGHT ANGLE ONLY
-L1: LUBRICATED
(SEE TABLE 2)

PLATING SPECIFICATION
-L: 10μ" LIGHT SELECTIVE GOLD ON CONTACT
   AREA, MATTE TIN ON TAIL
-F: 3μ" FLASH SELECTIVE GOLD ON CONTACT
   AREA, MATTE TIN ON TAIL
-S: 30μ" FLASH SELECTIVE GOLD ON CONTACT
   AREA, MATTE TIN ON TAIL

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

OPTION
-K: POLYAMIDE FILM
   (USE K-DOT-.177-.281-.005)

SHIELD
-S: WITH SHIELD
   (NO WT IS TO BE USED)
-N: WITHOUT SHIELD

TAIL OPTION
-DH: RIGHT ANGLE

"D" REF

"A"

LSHM-XX-01-DH-A

PIN 1
(SEE NOTE 4)

PIN 2
(SEE NOTE 4)

1.40[.055] REF

0.50[.020] TYP

"A"

PIN N
(SEE NOTE 4)

"C" REF

WT-50-T

5.13[.202] REF

0.10[.004]

4.15[.163] REF

2.45[.096]

7.80[.307] REF

"F" REF

-X-

1.10[.043] REF

Ø1.32[.052] REF

3.65[.144]
REF

1.32[.052] REF

0.20[.008] (TYP)

0.20[.008] (TYP)

FIG 1
LSHM-1XX-X1-XX-DH-A-N-X-XX SHOWN

0.670±0.100[.026±.004]

0.866±0.100[.034±.004]

1.05[.041]

1.45[.057]

4.23[.167]

1.12[.044]

SECTION "A"-"A"
SCALE 4 : 1

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-DH, PIN 01 WILL MATE WITH CONTACT 02
   ON MATING CONNECTOR. WHEN MATING WITH A LSHM-DV, 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 APPLICATIONS REQUIRING TWO OR MORE CONNECTORS PER BOARD,
   CONTACT IPG@SAMTEC.COM.

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]

MATERIAL:
INSULATOR: BLACK, LCP, UL 94 V0
TERMINAL: PHOS BRONZE
SHIELD: STAINLESS STEEL
WELD TAB: COPPER

DO NOT SCALE DRAWING   SHEET SCALE: 1:0.2

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e-Mail info@SAMTEC.com   code 55322

DESCRIPTION:
0.50mm TERMINAL/SOCKET COMBO

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

BY: AGEN H   10/30/2008   SHEET 1 OF 4
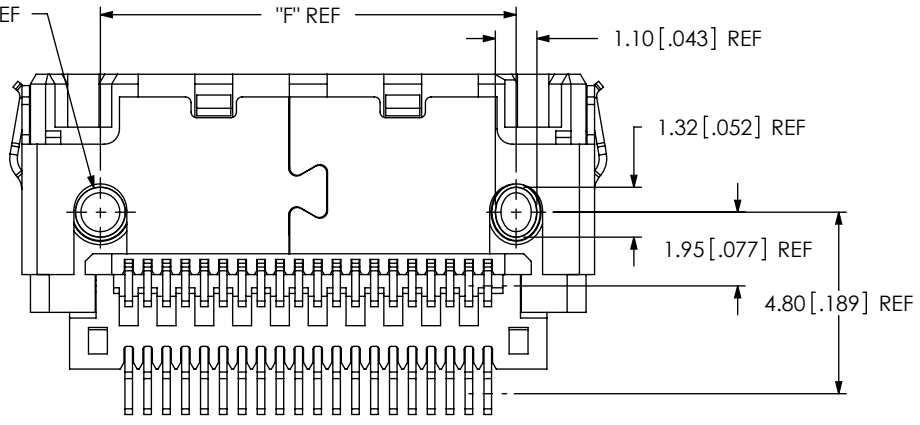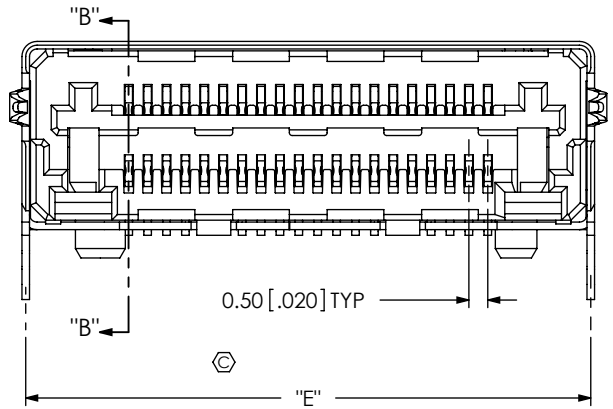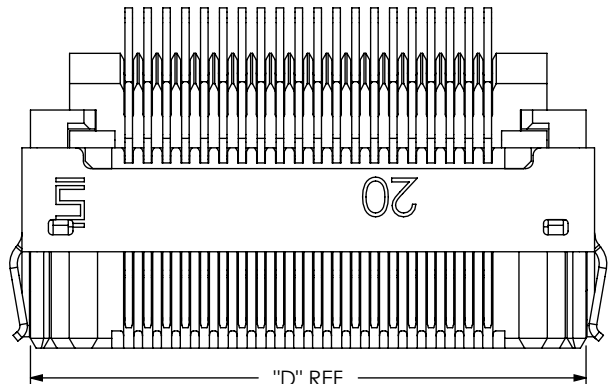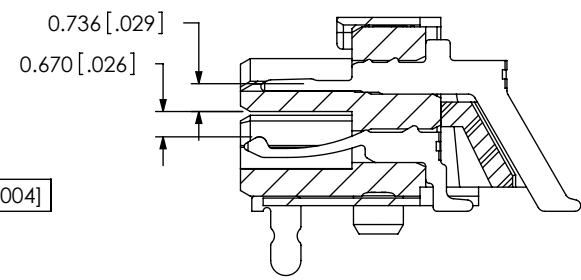
TABLE 1

No OF POS	"C"	"D"	"E"	"F"	"G"
-05	4.40 [0.173]	7.20 [0.283]	7.45 [0.293]	3.50 [0.138]	1.35 [0.053]
-10	6.90 [0.272]	9.70 [0.382]	9.95 [0.392]	6.00 [0.236]	2.60 [0.102]
-20	11.90 [0.469]	14.70 [0.579]	14.95 [0.589]	11.00 [0.433]	5.10 [0.201]
-30	16.90 [0.665]	19.70 [0.776]	19.95 [0.785]	16.00 [0.630]	7.60 [0.299]
-40	21.90 [0.862]	24.70 [0.972]	24.95 [0.982]	21.00 [0.827]	10.10 [0.398]
-50	26.90 [1.059]	29.70 [1.169]	29.95 [1.179]	26.00 [1.024]	12.60 [0.496]

"D" REF

"B"

"B"

0.50 [.020] TYP

"E"

SH26-XX-01-DH-N

2.75 [.108] REF

5.13 [.202] REF

0.10 [.004]

1.70 [.067] REF

2.45 [.096]

4.15 [.163]

7.80 [.307] REF

0.736 [.029]

0.670 [.026]

SECTION "B"-"B"

Ø1.32 [.052] REF

"F" REF

1.10 [.043] REF

1.32 [.052] REF

1.95 [.077] REF

4.80 [.189] REF

FIG 2
(SHIELD OPTION)
LSHM-1XX-X1-XX-DH-A-S-XX-XX SHOWN

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e-Mail info@SAMTEC.com   code 55322

DO NOT SCALE DRAWING

SHEET SCALE: 1:0.2

DESCRIPTION:
0.50mm TERMINAL/SOCKET COMBO

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

BY: AGEN H   10/30/2008   SHEET 2 OF 4
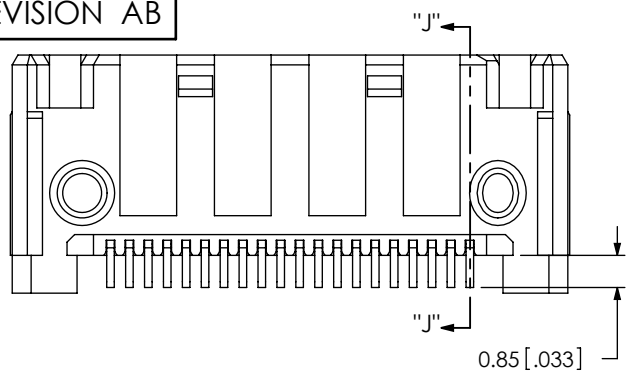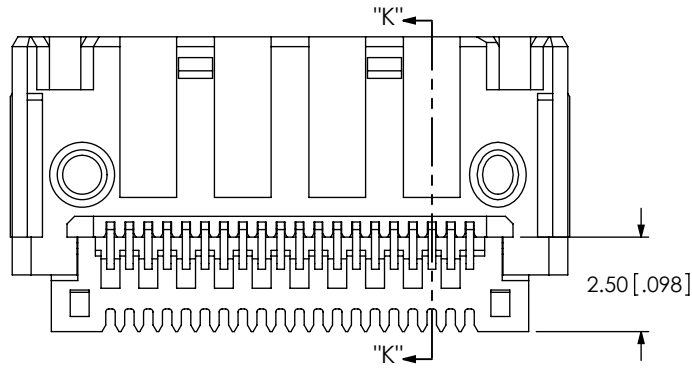
REVISION AB

C-261-02-X/C-261-L2-X

"J"

"J"

0.85 [.033]

0.150 [.006]

.10 [.004]

FIG 4
(IN PROCESS 1)

SECTION "J"-"J"

20

5

"K"

"K"

2.50 [.098]

FIG 5
(IN PROCESS 2)

KEEP LOCK

LSHM-XX-DH

SECTION "K"-"K"

C-261-03-X/C-261-L3-X

"L"

"L"

3.70 [.146]

0.00+/-0.08[.000+/-.003]
BOTTOM ROW

0.10[.004]
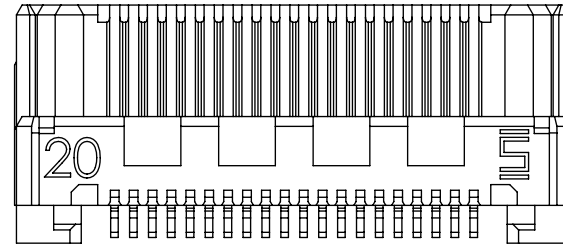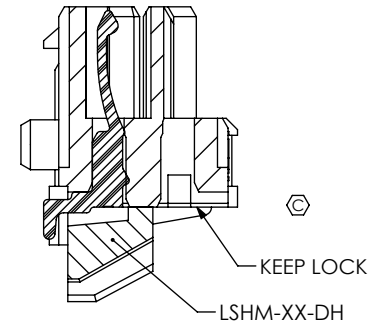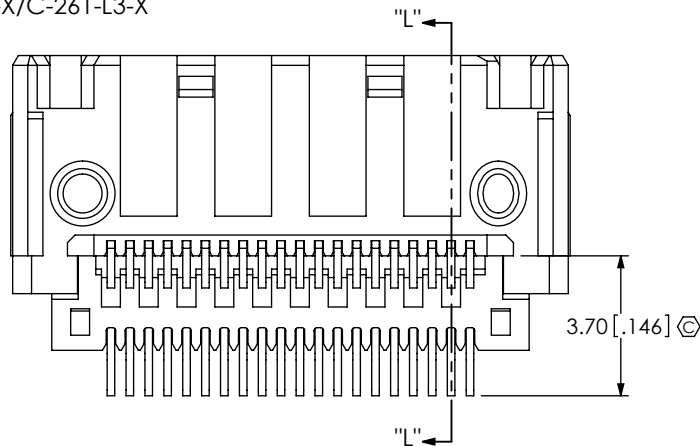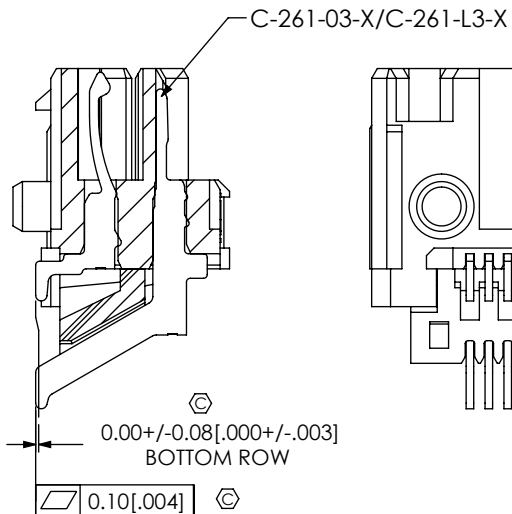
FIG 6
(IN PROCESS 3)
SECTION "L"-"L"

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

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DO NOT SCALE DRAWING

SHEET SCALE: 5:1

DESCRIPTION:
0.50mm TERMINAL/SOCKET COMBO

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

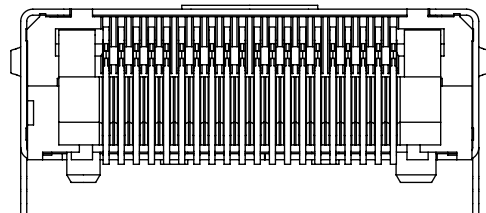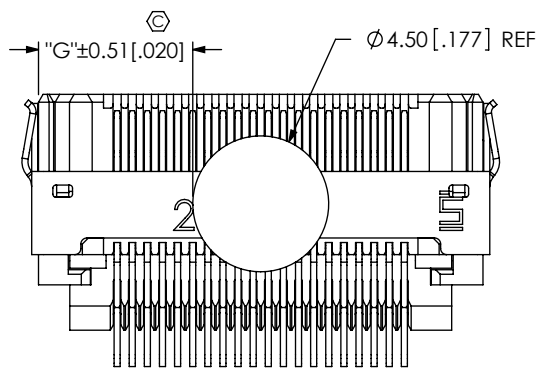BY: AGEN H   10/30/2008   SHEET 3 OF 4

"G"±0.51[.020]

⌀ 4.50 [.177] REF

2

5

TABLE 2	
LEAD STYLE	CONTACT
-01	C-261-02-X
	C-261-03-X
-L1	C-261-L2-X
	C-261-L3-X

FIG 7
LSHM-1XX-X1-XX-DH-A-S-XX-XX SHOWN

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DESCRIPTION:
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DWG. NO.
LSHM-1XX-XX-X-DH-A-X-X-TR

BY: AGEN H   10/30/2008   SHEET 4 OF 4