

# DESIGNED & DIMENSIONED IN MILLIMETERS (INCHES FOR REFERENCE)

LSS-1XX-XX-XX-DV-XX-XX

DO NOT  
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THIS PRINT

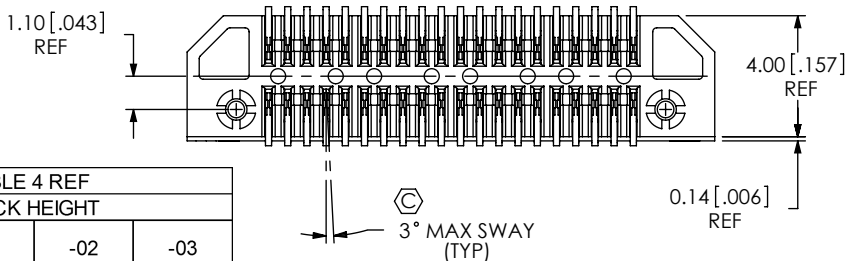
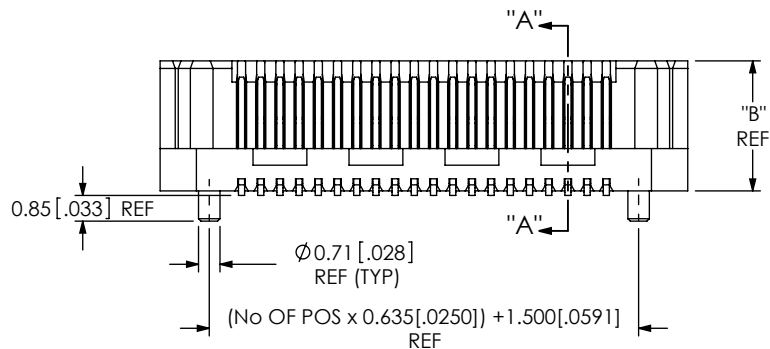
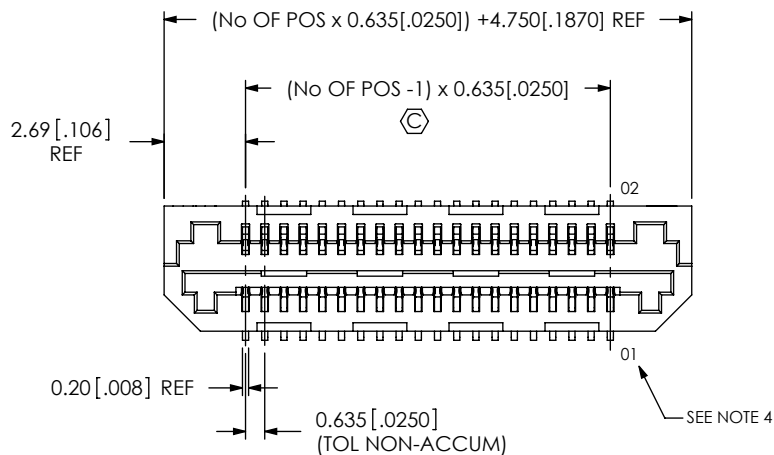


FIG 1  
LSS-120-01-XX-DV-A SHOWN

NO OF POSITIONS  
-05, -10, 20, -30, -40, -50  
(PER ROW)

LEAD STYLE  
-01: 3 mm (SEE TABLE 3)  
-02: 6 mm (SEE TABLE 3)  
-03: 4 mm (SEE TABLE 3)

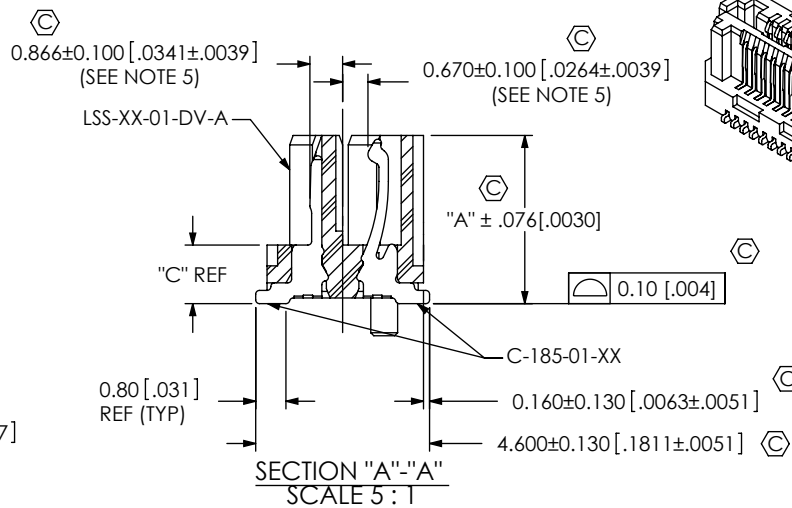
PLATING SPECIFICATION  
-L: 10µ" GOLD IN CONTACT AREA,  
MATTE TIN ON TAIL  
(USE C-185-XX-LM)  
-F: 3µ" GOLD IN CONTACT AREA,  
MATTE TIN ON TAIL  
(USE C-185-XX-FM)  
\* -LM: 10µ" GOLD IN CONTACT AREA,  
MATTE TIN ON TAIL  
(USE C-185-XX-LM)  
\* -FM: 3µ" GOLD IN CONTACT AREA,  
MATTE TIN ON TAIL  
(USE C-185-XX-FM)

OPTION  
-K: POLYIMIDE FILM  
(USE K-DOT-.138-.250-.005)  
(SEE FIG 2, SHT 2)  
-TR: TAPE & REEL  
(SEE FIG 4, SHT 2)

OPTION  
-A: ALIGNMENT PIN  
(REQUIRED FOR -01 LEAD STYLE;  
OPTIONAL FOR -02 & -03)  
-LC: LOCKING CLIP  
(-02 & -03 LEAD STYLES ONLY)  
(USE LC-08-TM-01)  
(SEE FIG 3, SHT 2)  
(SEE NOTE 6)

ROW SPECIFICATION  
-DV: DOUBLE VERTICAL

\* = FOR EXISTING CUSTOMERS ONLY



SECTION "A"-A"  
SCALE 5:1

TABLE 4 REF STACK HEIGHT			
LSS LEAD STYLE	-01	-02	-03
-01	6.0MM		
-02	9.0MM	12.0MM	
-03	7.0MM	10.0MM	8.0MM

TABLE 1			
BODY HT	"A"	"B"	"C"
-01	4.496 [.1770]	4.300 [.1693]	1.596 [.0628]
-02	7.493 [.2950]	7.300 [.2874]	4.593 [.1808]
-03	5.493 [.2163]	5.300 [.2087]	2.593 [.1021]

TABLE 3		
LEADSTYLE	BODY	PIN
-01	LSS-XX-01-DV-A	C-185-01-X
-02	LSS-XX-02-DV-XX	C-185-02-X
-03	LSS-XX-03-DV-XX	C-185-03-X

NOTES:

- ⊕ REPRESENTS A CRITICAL DIMENSION.
- BURR ALLOWANCE: .038 [.0015].
- MINIMUM PUSHOUT FORCE; TERMINALS: .5 LBS, CONTACTS: .5 LB.
- PIN 01 WILL MATE WITH CONTACT 02 ON MATING CONNECTOR.
- MEASURE FROM TOP OF VERTICAL WALL.
- MINIMUM PULL OUT FORCE FOR -LC IS .75 LB.

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN MILLIMETERS.

TOLERANCES ARE:

DECIMALS ANGLES  
.X: ± .3 [.01] 2°  
.XX: ± .13 [.005]  
.XXX: ± .051 [.0020]

PROPRIETARY NOTE

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MATERIAL: DO NOT SCALE DRAWING  
INSULATOR: LCP, COLOR: BLACK  
CONTACT: PHOS BRONZE

SHEET SCALE: 4:1

DESCRIPTION:  
.635mm TERMINAL/SOCKET COMBO

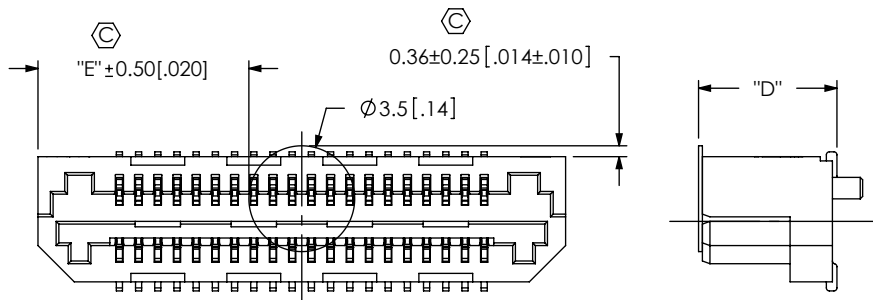
DWG. NO.  
LSS-1XX-XX-XX-DV-XX-XX

BY: CHAD F 07/01/2002 SHEET 1 OF 2



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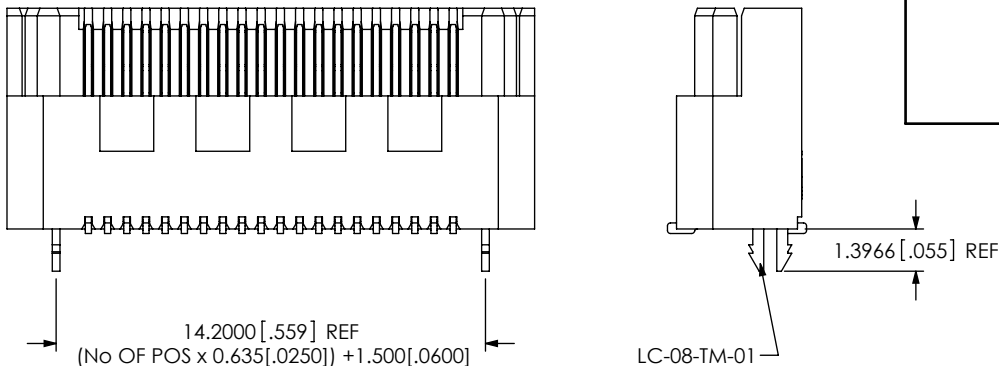
**FIG 2**  
-K: POLYIMIDE FILM OPTION  
(USE K-DOT-.138-.250-.005)



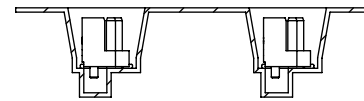
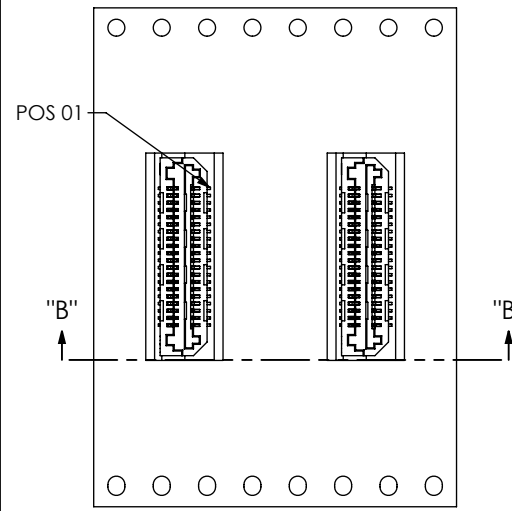
$$E = ((\text{NO OF POS} \times 0.635 [.0250]) + 4.750 [.1870]) / 2 - 1.75 [.0689]$$

TABLE 2	
BODY HT	"D"
-01	4.58 [.180]
-02	7.58 [.298]
-03	5.58 [.220]

**FIG 3**  
-LC: LOCKING CLIP OPTION  
(USE LC-08-TM-01)  
-02 & -03 LEAD STYLES ONLY  
(SEE NOTE 6, SHT. 1)



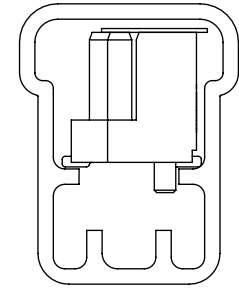
**FIG 4**



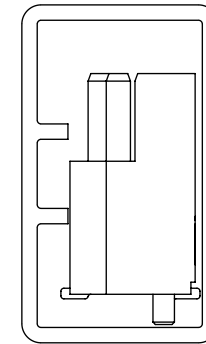
SECTION "B"- "B"  
SCALE 1.5 : 1

TAPE & REEL

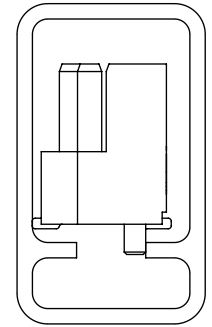
LEAD STYLE	OPTION	PACKAGING TUBE	PLUG
-01	-A	PT-1-24-13-09	TP-24
-02	-A, -LC	PT-1-24-01-25	TP-03
-03	-A, -LC	PT-1-24-11-09	TP-09



TUBE: PT-1-24-13-09  
PLUG: TP-24



TUBE: PT-1-24-01-25  
PLUG: TP-03



TUBE: PT-1-24-11-09  
PLUG: TP-09

LOAD PARTS WITH PIN #1 IN DIRECTION OF ARROW.

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SHEET SCALE: 4:1

**samtec**

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.635mm TERMINAL/SOCKET COMBO  
DWG. NO. **LSS-1XX-XX-XX-DV-XX-XX**

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