

# DESIGNED & DIMENSIONED IN MILLIMETERS (INCHES FOR REFERENCE)

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

DO NOT SCALE FROM THIS PRINT

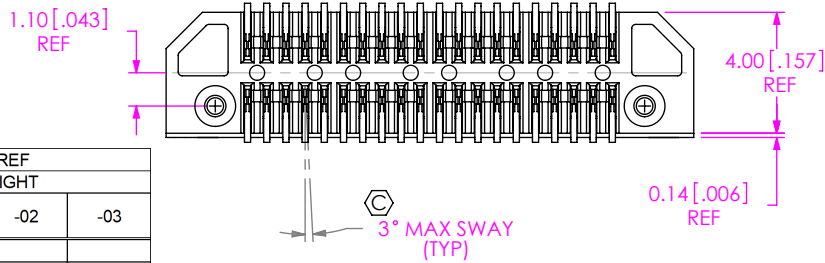
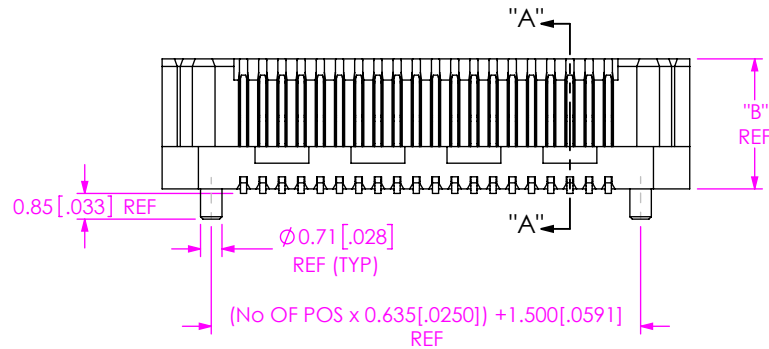
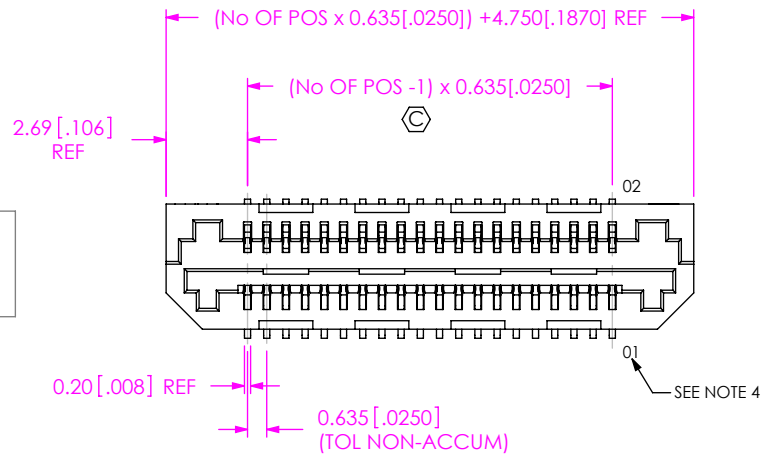


TABLE 4 REF STACK HEIGHT			
LSS LEAD STYLE	-01	-02	-03
-01	6.0MM		
-02	9.0MM	12.0MM	
-03	7.0MM	10.0MM	8.0MM

NOTES:

- ⊕ REPRESENTS A CRITICAL DIMENSION.
- BREAKOFF BURR ALLOWANCE .054 [.0021].
- 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.
- FOR APPLICATIONS REQUIRING TWO OR MORE CONNECTORS PER BOARD, CONTACT IPG@SAMTEC.COM.
- TR OPTION ORDERS INVOLVING PARTIAL REEL QUANTITIES MAY BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
- FR OPTIONS WILL BE SHIPPED AT THE MAX QUANTITY PER REEL, BASED ON OPTIONS SELECTED.

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" AU IN CONTACT AREA, MATTE TIN ON TAIL (USE C-185-XX-LM)  
-F: 3µ" AU IN CONTACT AREA, MATTE TIN ON TAIL (USE C-185-XX-FM)  
-H: 30µ" AU IN THE CONTACT AREA, 3µ" AU ON TAIL (USE C-185-XX-H)  
\*-LM: 10µ" AU IN CONTACT AREA, MATTE TIN ON TAIL (USE C-185-XX-LM)  
\*-FM: 3µ" AU 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 NOTE 8) (SEE FIG 4, SHT 2)  
-FR: FULL REEL QTY. TAPE & REEL (SEE NOTE 9)

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

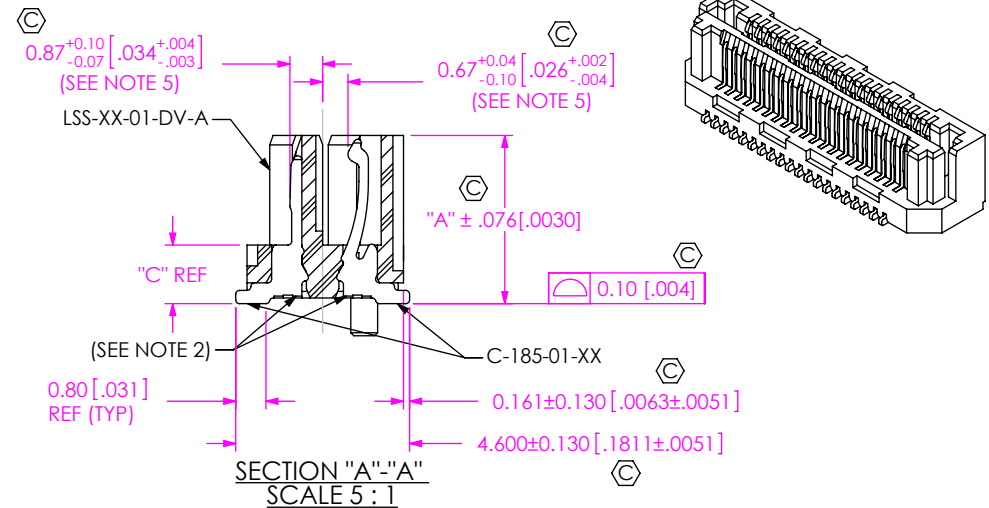


TABLE 1			
BODY HT	"A"	"B"	"C"
-01	4.450 [.1752]	4.300 [.1693]	1.596 [.0628]
-02	7.450 [.2933]	7.300 [.2874]	4.593 [.1808]
-03	5.450 [.2146]	5.300 [.2087]	2.593 [.1021]

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

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.  
TOLERANCES ARE:  
DECIMALS ANGLES  
.X: ± .3 [.01]  
.XX: ± .13 [.005]  
.XXX: ± .051 [.0020]

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 4:1  
INSULATOR: LCP, COLOR: BLACK  
CONTACT: PHOS BRONZE

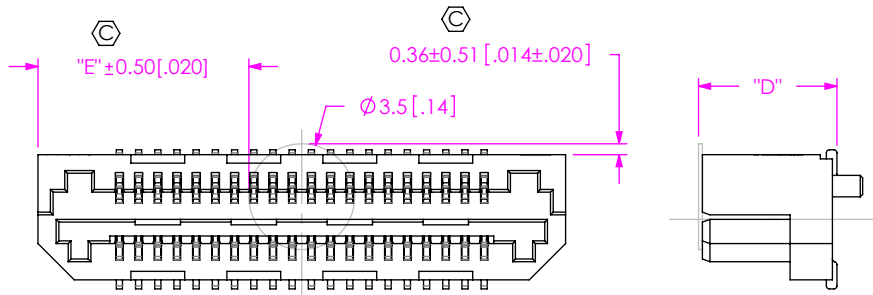
DESCRIPTION:  
.635mm TERMINAL/SOCKET COMBO



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

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

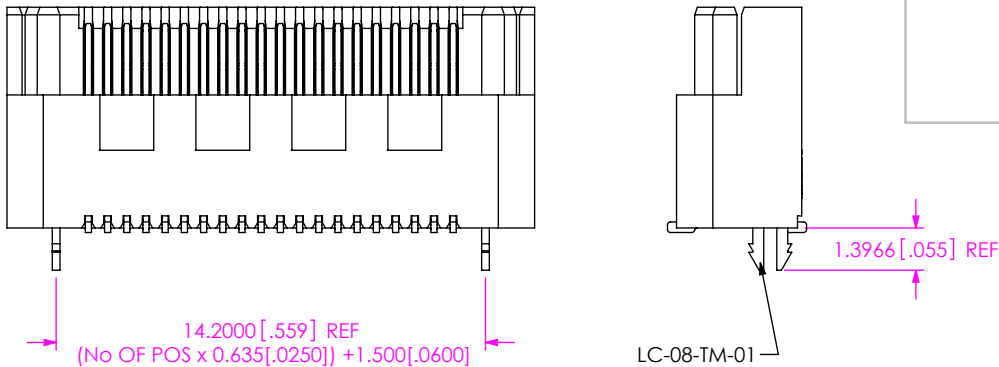
**FIG 2**  
-K: POLYIMIDE FILM OPTION  
(USE K-DOT-.138-.250-.005)



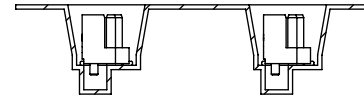
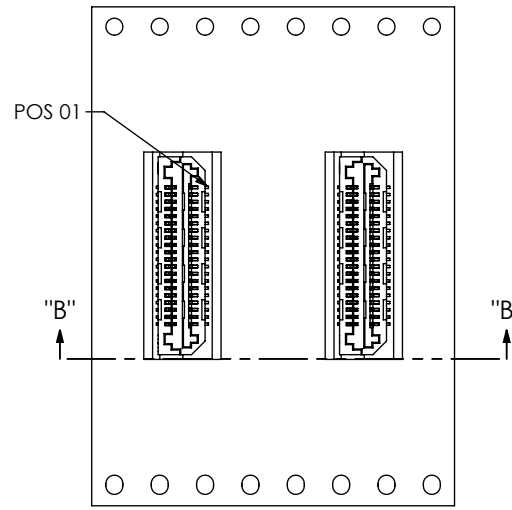
"E" = ((NO OF POS X 0.635 [.0250]) + 4.750 [.1870]) / 2 - 1.75 [.0689]

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)



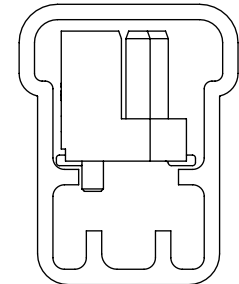
**FIG 4**



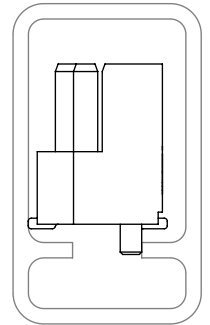
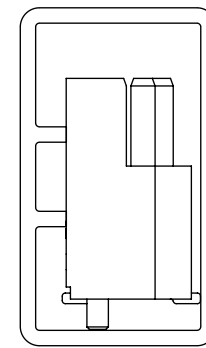
SECTION "B"- "B"  
SCALE 1.5 : 1

TAPE & REEL

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



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



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

LOAD PARTS WITH PIN # 1 IN DIRECTION OF ARROW.

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DO NOT SCALE DRAWING

SHEET SCALE: 4:1

**samtec**

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DESCRIPTION:  
.635mm TERMINAL/SOCKET COMBO  
DWG. NO. **LSS-1XX-XX-XX-DV-XX-XX**  
BY: CHAD F 07/01/2002 SHEET 2 OF 2