SSM-1XX-XXX-DV-XX-XX-XXX-X-XX

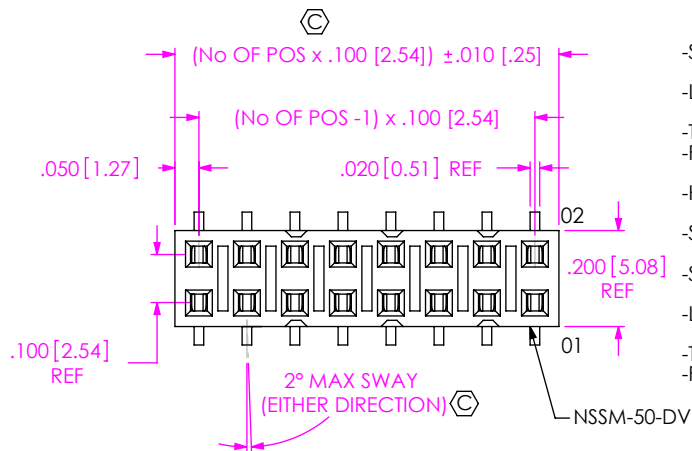DO NOT
SCALE FROM
THIS PRINT

No OF POSITIONS
-02 THRU -40
(PER ROW) (SEE NOTE 7)

PLATING
-S: 30µ" SELECTIVE GOLD IN CONTACT AREA
   MATTE TIN ON TAIL
-L: 10µ" LIGHT SELECTIVE GOLD IN CONTACT
   AREA MATTE TIN ON TAIL
-T: MATTE TIN CONTACT AND TAIL
-F: 3µ" FLASH SELECTIVE GOLD
   CONTACT, MATTE TIN ON TAIL
-H: 30µ" HEAVY GOLD IN CONTACT AREA
   3µ" ON TAIL
-STL: 30µ" SELECTIVE GOLD IN CONTACT AREA
   TIN/LEAD (90/10+/-5%) TAIL
-SM: 30µ" SELECTIVE GOLD IN CONTACT AREA
   MATTE TIN ON TAIL
-LM: 10µ" LIGHT SELECTIVE GOLD IN CONTACT
   AREA MATTE TIN TAIL
-TM: MATTE TIN CONTACT AND TAIL
-FM: 3µ" FLASH SELECTIVE GOLD IN CONTACT
   AREA MATTE TIN TAIL

ROW SPECIFICATION
-DV: DOUBLE VERTICAL
   (USE NSSM-XX-DV-XX)

PACKAGING
BLANK: TUBES(SEE NOTES 5, 12 & 13)
-TR: TAPE & REEL
   (SEE FIG 8, SHT 2-29 POSITIONS MAX)
   (SEE NOTES 13 & 14)
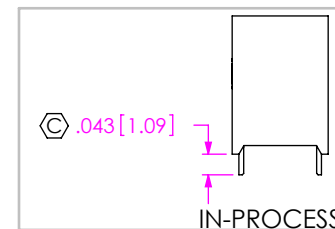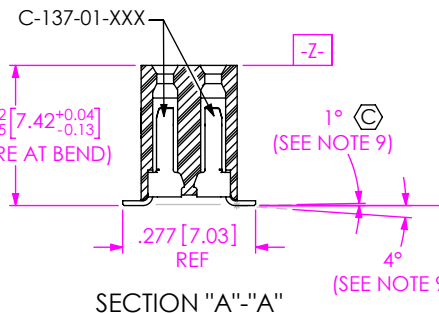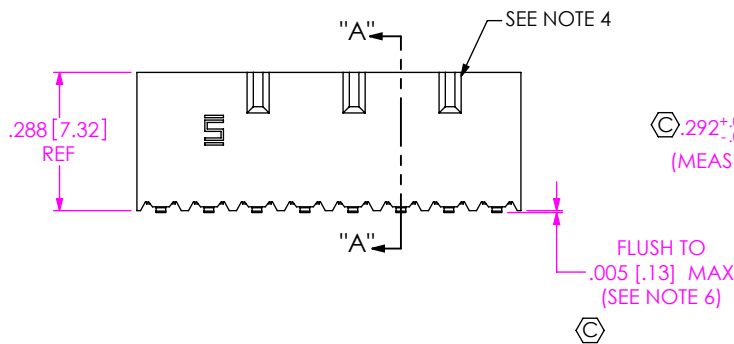-FR: FULL REEL QTY. TAPE & REEL
   (29 POSITIONS MAX)(SEE NOTE 13 & 14)

PICK & PLACE OPTION
-P: PICK & PLACE PAD (SEE NOTE 5)
   (USE PPP-01, SEE FIG 4, SHT 2)
-M: METAL PICK & PLACE PAD (SEE NOTE 5)
   (USE LMP-02, SEE FIG 5, SHT 2)
-K: POLYIMIDE FILM PAD
   (POS 2 THROUGH 40 - SEE NOTE 5)
   (USE K-DOT-.256-.375-.005, SEE FIG 6, SHT 2)

POLARIZING OPTION
-XXX: POSITION TO BE POLARIZED
   (USE PK-15-N) (SEE FIG 7, SHT 2)
   (NOT AVAILABLE WITH -BE OPTION)

MOUNTING OPTION
-A: ALIGNMENT PIN (SEE FIG 3, SHT 2)
   (MOLDED: USE NSSM-XX-DV-XX, 4 POS MIN)
-LC: LOCKING CLIP
   (USE LC-05-TM)(SEE FIG 2)(SEE NOTE 8)

OPTION
-BE: BOTTOM ENTRY
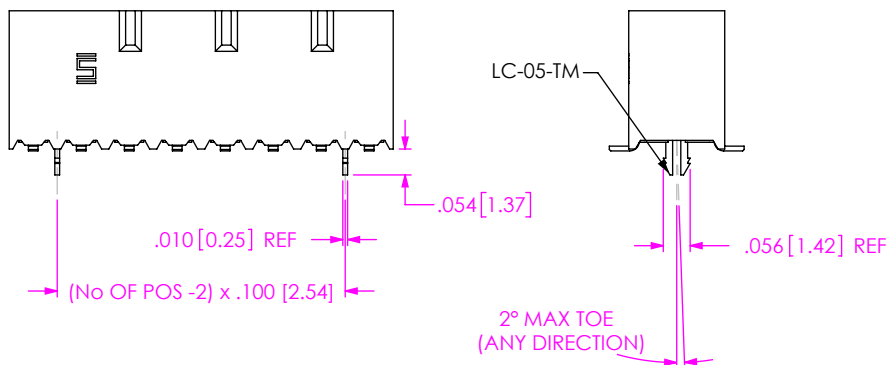   (ONLY AVAILABLE ON -DV)
   (FOR -DV SEE NSSM-50-DV-XX)

(No OF POS x .100 [2.54]) ±.010 [.25]

(No OF POS -1) x .100 [2.54]

.050 [1.27]

.020 [0.51] REF

02

.200 [5.08] REF

01

.100 [2.54] REF

2° MAX SWAY
(EITHER DIRECTION)

NSSM-50-DV

"A"

SEE NOTE 4

.288 [7.32] REF

"A"

FLUSH TO
.005 [.13] MAX
(SEE NOTE 6)

C-137-01-XXX

-Z-

.292 +.002 -.005 [7.42 +0.04 -0.13]
(MEASURE AT BEND)

1°
(SEE NOTE 9)

.0060[0.152]

.277 [7.03] REF

4°
(SEE NOTE 9)

SECTION "A"-"A"

.043 [1.09]

IN-PROCESS

NOTES:
1. ⓒ REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PULLOUT FORCE: .50 LBS
3. MAXIMUM CUT FLASH: .010 [.25].
4. CUT PARTS MAY OR MAY NOT HAVE NOTCHES
5. -P OPTION: 4 POSITION AND UNDER TO BE -T/R
   -M OPTION: 3 POSITION AND UNDER TO BE -T/R
   -K OPTION: 3 POSITION AND UNDER TO BE -T/R
   ALL OTHER POSITIONS WITH -P, -M, -K OPTIONS ARE
   TO BE TUBED, UNLESS -TR ORDERED BY CUSTOMER.
6. FLUSH DIMENSION MUST BE INSPECTED ON BOTH ROWS
   OF ASSEMBLY.
7. -40 MAX POSITION AVAILABLE, -50 FOR STOCK ONLY
8. DUE TO THE HIGH AMOUNT OF INSERTION FORCE NEEDED, THE -LC OPTION
   IS NOT COMPATIBLE WITH AUTO PLACEMENT. SAMTEC RECOMMENDS
   MANUAL PLACEMENT FOR ALL ASSEMBLIES WITH THE -LC OPTION.
9. THIS DIMENSION IS TO BE MEASURED RELATIVE TO DATUM -Z-.
10. NOTE DELETED.
11. NOTE DELETED.
12. TUBES ARE STANDARD PACKAGING.
13. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING
   EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM
14. ATTACH LABEL TO EACH REEL.

FIGURE 2
-LC: LOCKING CLIP OPTION

LC-05-TM

.054[1.37]

.010[0.25] REF

(No OF POS -2) x .100 [2.54]

.056 [1.42] REF

2° MAX TOE
(ANY DIRECTION)

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS   ANGLES
.XX: ±.01[0.3]   2 °
.XXX: ±.005[0.13]
.XXXX: ±.0020[0.051]

SAMTEC

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

MATERIAL: DO NOT SCALE DRAWING   SHEET SCALE: 1:0.4

BODY: LCP UL 94 VO, COLOR: BLACK
CONTACT: PHOS BRONZE

DESCRIPTION:
.100 C.L. DOUBLE VERTICAL SMT SOCKET STRIP
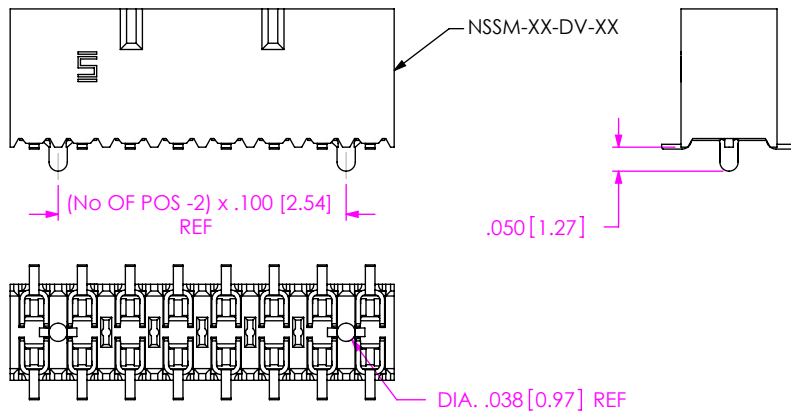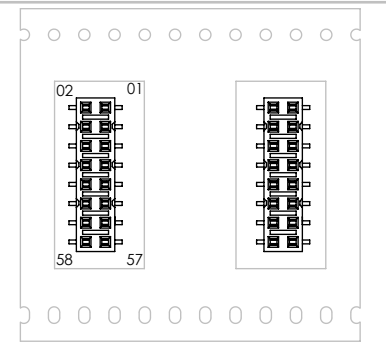
DWG. NO.
SSM-1XX-XXX-DV-XX-XX-XXX-X-XX

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

BY: KEVIN B   3/8/2000   SHEET 1 OF 2

REVISION AS

FIGURE 3
-A: ALIGNMENT PIN
MOLDED (4 POSITION MIN)

NSSM-XX-DV-XX

(No OF POS -2) x .100 [2.54] REF

.050 [1.27]

DIA. .038 [0.97] REF

FIGURE 8
TAPE & REEL VIEW

02   01

58   57

USER DIRECTION OF UNREELING
POCKET NOT DETAILED

FIGURE 4
-P: PICK & PLACE PAD

"R"
"S" ±.010 [.25]

"R" = No OF POS x .100 [2.54]
"S" EVEN = "R"/2 - .1975 [5.017]
"S" ODD = "R"/2 - .2475 [6.287]

.195 [4.95] REF

.395 [10.03] REF

PPP-01

.050 [1.27] REF
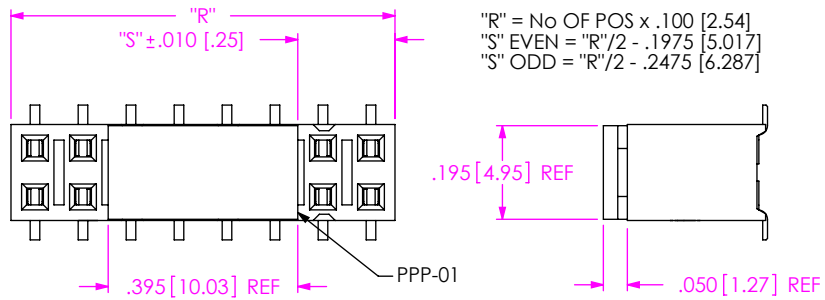
FIGURE 6
-K: POLYIMIDE FILM PAD

"R"
"S" ±.020 [.51]

"R" = No OF POS x .100 [2.54]
"S" = "R"/2 - .128 [3.25]

.028±.020 [0.71±0.51]

Ø .256 [6.50]

.293 [7.44]
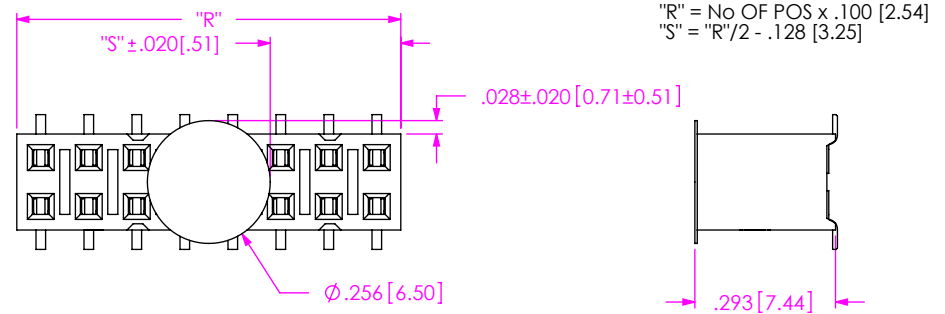
FIGURE 5
-M: METAL PICK & PLACE PAD

"R"
"S" ±.010 [.25]

LMP-02

"R" = No OF POS x .100 [2.54]
"S" = "R"/2 - .1195 [2.858]

.280 [7.11] REF

.225 [5.72] REF

.008 [0.21] REF
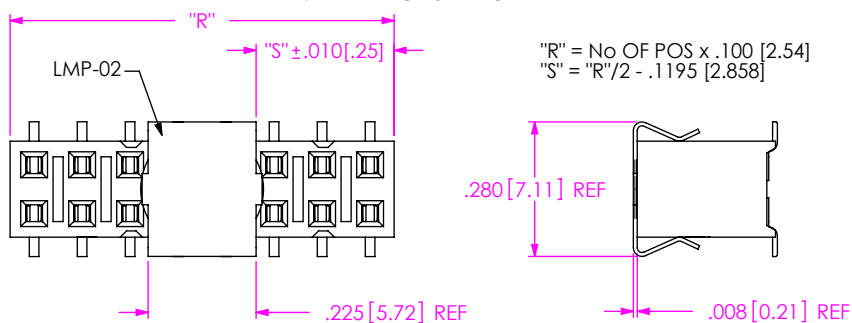
TABLE 1

OPTION	PACKAGING TUBE	PLUG	POSITIONS ALLOWED
-K, -M -LC-K, -LC-M, -A-K,	PT-1-24-01-103	TP-07	02 THRU 40
NONE, -LC, -A, -P-LC, -P	PT-1-24-03-15	TP-03	02 THRU 40

PT-1-24-03-15
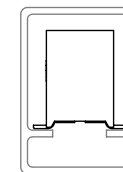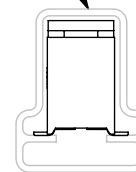
PT-1-24-01-103

FIGURE 7
POLARIZING POSITIONS

72   02

71   01

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

DO NOT SCALE DRAWING

SHEET SCALE: 1:0.4

DESCRIPTION:
.100 C.L. DOUBLE VERTICAL SMT SOCKET STRIP

DWG. NO.
SSM-1XX-XXX-DV-XX-XX-XXX-X-XX

BY: KEVIN B   3/8/2000   SHEET 2 OF 2