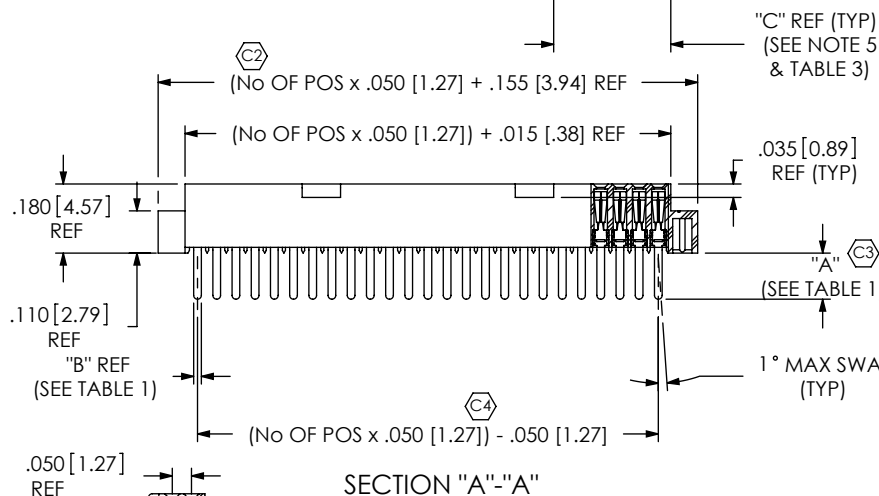
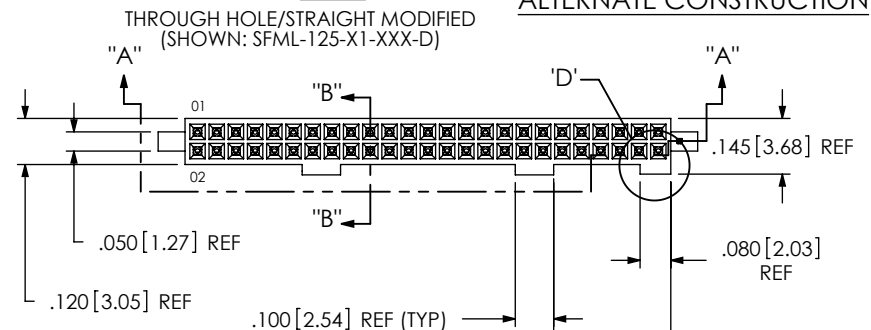


FIG. 1

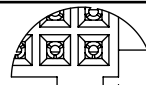
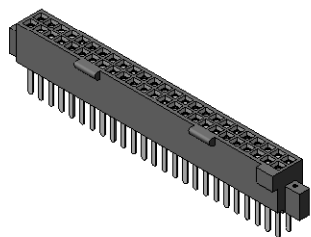


SECTION "A"-"A"

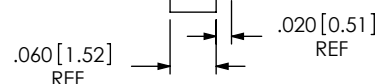


TABLE 3 (SEE NOTE 5)

NO OF POS.	"C"
-05, -07	.080 [2.03]
-10 THRU -50	.305 [7.75]



REF DETAIL 'D'
ALTERNATE CONSTRUCTION



SFML-1XX-XX-XXX-D-XXX

No OF POSITIONS —
-05, -07, -10 THRU -50
(PER ROW)

LEAD STYLE

- 01: THROUGH HOLE
(USE C-44-01-XXX, SEE FIG 1, SHT 1)
- 02: SURFACE MOUNT
(USE C-44-02-XXX, SEE FIG 3, SHT 2)
- 03: STRAIGHT MODIFIED
(USE C-44-03-XXX, SEE FIG 1, SHT 1)
- L1: THROUGH HOLE (LOW INSERTION)
(USE C-61-01-XXX, SEE FIG 1, SHT 1)
- L2: SURFACE MOUNT (LOW INSERTION)
(USE C-61-02-XXX, SEE FIG 3, SHT 2)
- L3: STRAIGHT MODIFIED (LOW INSERTION)
(USE C-61-03-XXX, SEE FIG 1, SHT 1)
- T1: THROUGH HOLE (PHOS BRONZE)
(USE C-119-01-XXX, SEE FIG 1, SHT 1)
- T2: SURFACE MOUNT (PHOS BRONZE)
(USE C-119-02-XXX, SEE FIG 3, SHT 2)

OPTIONS

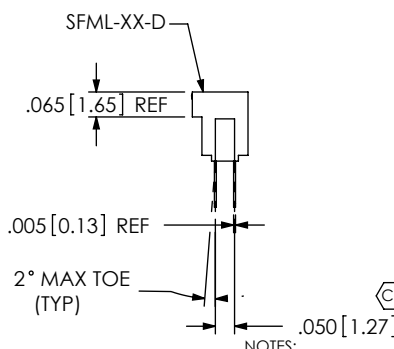
(LEAVE BLANK FOR STANDARD AND USE SFML-XX-D)
 -A: ALIGNMENT PIN (USE SFML-XX-D-A)
 (SEE FIG 5, SHT 3)
 -LC: LOCKING CLIP (SEE FIG 7, SHT 3)
 (USE (2) LC-05-TM & SFML-XX-D) (SEE NOTE 9)
 -P: PICK & PLACE PAD (SEE FIG 6, SHT 3)
 (USE PPP-02) (NOT AVAILABLE IN 5 POS)
 -TR: TAPE & REEL PACKAGING
 (N/A with -X1 AND -X3 LEAD STYLE,
 SEE FIG 2, SHT 1)
 -K: POLYIMIDE FILM PAD
 (USE K-500-300) (SEE FIG. 4, SHT. 2)
 -SN: SOLDER NAIL (USE SFML-XX-D-SN &
 WT-27-01-T) (SEE FIG 8, SHT 4)
 (AVAILABLE ON -X2 LEAD STYLES ONLY)
 -SN2: SOLDER NAIL FOR .093 BOARD
 (USE SFML-XX-D-SN &
 WT-27-02-T) (SEE FIG 8, SHT 4)
 (ONLY AVAILABLE WITH -02, L2, AND T2 LEAD
 STYLE. NOT AVAILABLE WITH -A, -LC OPTIONS)

— ROW SPECIFICATION

-D: DOUBLE ROW
(USE SFML-XX-D-X)

PLATING SPECIFICATION

- AC**
- S: SELECTIVE, 30 Au / 50 Ni MIN, MATTE TIN TAIL
 - F: FLASH SELECTIVE, 3 Au / 50 Ni MIN,
MATTE TIN TAIL
 - H: HEAVY GOLD, 30 Au / 50 Ni MIN,
3 Au / 50 Ni MIN ON TAIL
 - L: LIGHT SELECTIVE, 10 Au / 50 Ni ON CONTACT,
MATTE TIN TAIL
 - STL: SELECTIVE, 30 Au / 50 Ni MIN ON CONTACT,
TIN/LEAD (90/10+/-5%) (ONLY AVAILABLE ON
-02 AND -L2 LEADSTYLES)
 - SM: SELECTIVE, 30 Au / 50 Ni MIN ON CONTACT,
MATTE TIN TAIL
 - LM: LIGHT SELECTIVE, 10 Au / 50 Ni MIN ON CONTACT,
MATTE TIN TAIL
 - FM: FLASH SELECTIVE, 3 Au / 50 Ni MIN ON CONTACT,
MATTE TIN TAIL



NOTES:


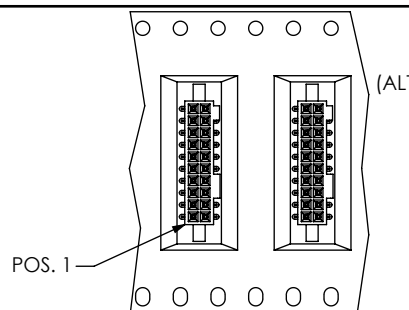
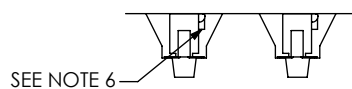
- 
 1. REPRESENTS A CRITICAL DIMENSION.
 2. COPLANARITY: .004 [.10] FOR POS. 10 THRU 26
 .006 [.15] FOR POS. 27 THRU 50
 3. MINIMUM PUSHOUT FORCE: .5 LB.
 4. MAXIMUM ALLOWABLE BOW: .002 INCH/INCH [MM/MM] AFTER ASSEMBLY.
 5. POSITIONS -05 AND -07 WILL HAVE ONLY ONE CLIP AT DIMENSION SHOWN AND
 WILL NOT HAVE POLARIZATION NOTCH;
 POSITIONS -10 THROUGH -24 WILL HAVE ONLY ONE CLIP AT DIMENSION SHOWN;
 POSITIONS -25 THROUGH -34 WILL HAVE TWO CLIPS AT DIMENSION SHOWN;
 POSITIONS -35- THROUGH -50 WILL HAVE THREE CLIPS: TWO AT DIMENSION
 SHOWN & ONE CENTERED ON INSULATOR.
 6. SEE NOTCH FOR PROPER ORIENTATION.
 7. PINS CAN BE ORIENTED IN ANY DIRECTION; BOTH ROWS MUST FAC' SAME WAY.
 8. MAXIMUM PIN HEIGHT VARIATION BETWEEN ANY TWO ROWS: .003[.08].
 9. 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."
 10. TUBE PARTS WITH NOTCH TOWARD ARROW.

FIG. 2

-TR: TAPE & REEL PACKAGING
(ALTERNATE KEYING OPTION SHOWN)



USER DIRECTION OF UNREELING



SEE NOTE 6

F:\DWG\MISC\MKTG\SEMI-1XX-XX-XXX-D-XXX-MKT SI DDBW

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS	ANGLES
.XX: $\pm .01$ [.3]	2°
.XXX: $\pm .005$ [.13]	
.XXXX: $\pm .0020$ [.051]	

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MATERIAL: DO NOT SCALE DRAWING

SHEET SCALE: 2:1

INSULATOR:
VECTRA E130i, LCP UL 94 VO
COLOR: BLACK
CONTACT: BeCu
PHOS BRONZE

DESCRIPTION:	
--------------	--

.050 [1.27] x .050 [1.27] LOCKING SOCKET ASSEMBLY

DWG. NO.

SFML-1XX-XX-XXX-D-XXX

BY: BRATCHER 4/19/99

SHEET 1 OF 4

FIG. 3
-X2: SURFACE MOUNT
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)

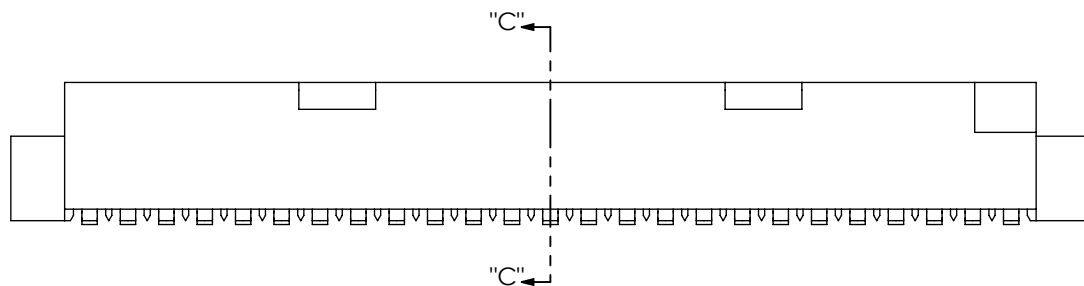
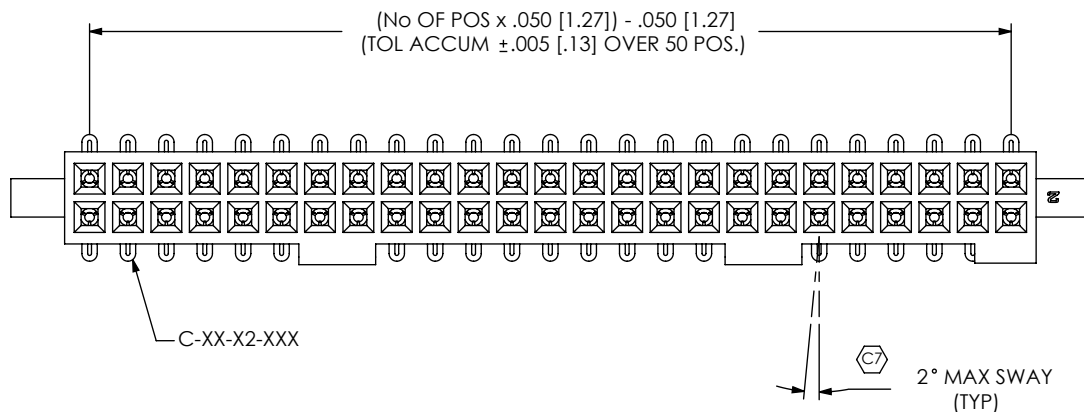
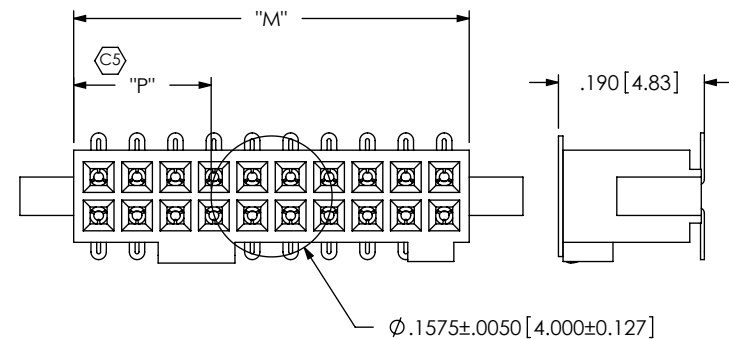
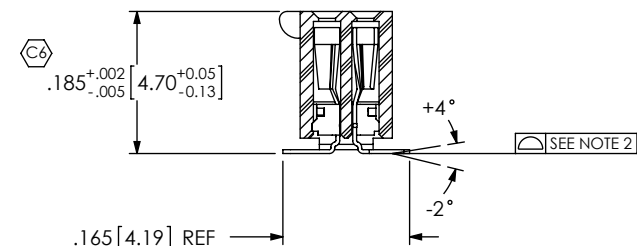


FIG. 4
-K: POLYIMIDE FILM PAD OPTION
(SHOWN: SFML-110-X2-X-D-K)
(ALTERNATE CONSTRUCTION SHOWN)



NOTE:
"M" = USED MEASURED DIMENSION (REF)
"P" = {("M" - .1575 [4.000]) / 2} ±.020 [.51]



SECTION "C"-"C"

F:\DWG\MISC\MKTG\SFML-1XX-XX-XXX-D-XXX-MKT.SLDDRW

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PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
.050 [1.27] x .050 [1.27] LOCKING SOCKET ASSEMBLY

DWG. NO.
SFML-1XX-XX-XXX-D-XXX

BY: BRATCHER 4/19/99

SHEET 2 OF 4

FIG. 5

-A: ALIGNMENT PIN OPTION
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)
(ALTERNATE CONSTRUCTION SHOWN)

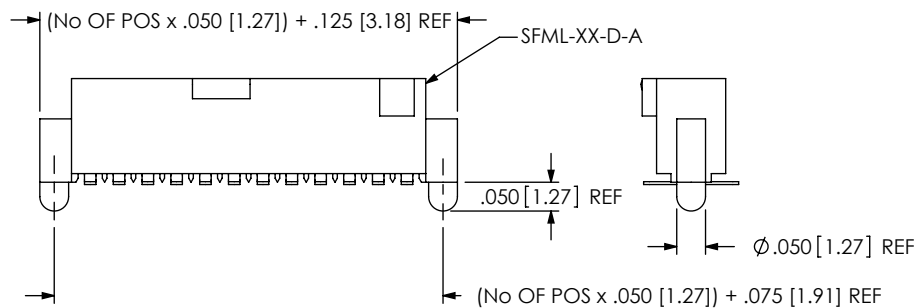


FIG. 6

-P: PICK & PLACE PAD OPTION
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)
(ALTERNATE CONSTRUCTION SHOWN)

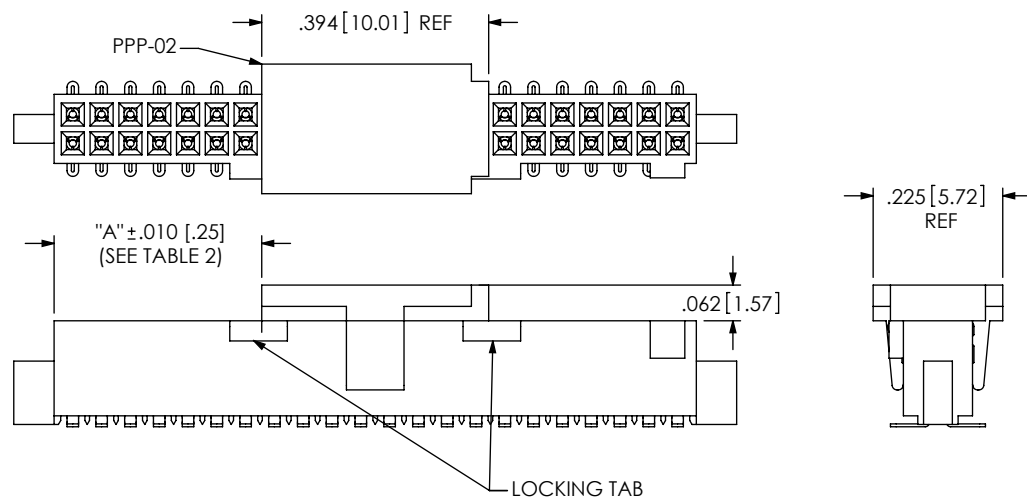
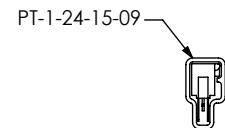
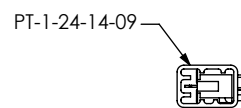
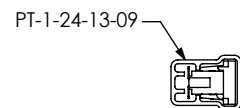


TABLE 2

POS.	"A"
-35 AND ABOVE (ODD)	{{(No OF POS x .050 [1.27]) / 2} -.2895 [7.353]}
EVEN ABOVE -34	{{(No OF POS x .050 [1.27]) / 2} -.3145 [7.989]}
ODD ABOVE -19	{{(No OF POS x .050 [1.27]) / 2} -.1895 [4.813]}
EVEN ABOVE -18	{{(No OF POS x .050 [1.27]) / 2} -.2145 [5.448]}
-07	.065 [1.65] OVERHANG
-10	.086 [2.18]
-11	.136 [3.45]
-12	.186 [4.72]
-13	.236 [5.99]
-14	.286 [7.26]
-15	.086 [2.18]
-16	.136 [3.45]
-17	.186 [4.72]
-18	.236 [5.99]
-19	.286 [7.26]

PACKAGE PARTS IN TUBES AS SHOWN
(SEE NOTE 10)



SAMTEC ➡ **ANTI-STATIC**

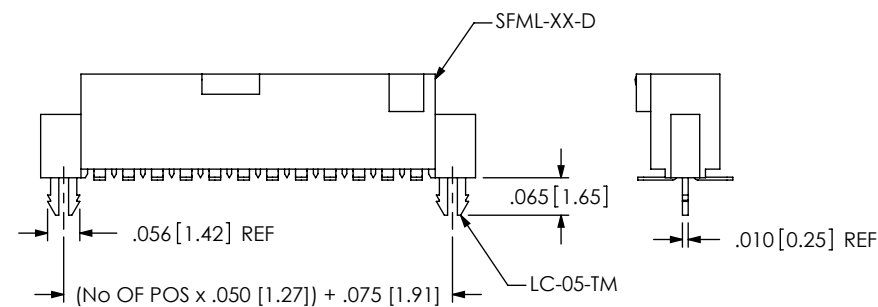
SAMTEC ➡ **ANTI-STATIC**

SAMTEC ➡ **ANTI-STATIC**

LEAD STYLE	PACKAGING TUBE	PLUG
-X1-X, -X3-X (NO PAD)	PT-1-24-15-09	TP-24-02
-X1-X-P (W/ P&P PAD)	PT-1-24-02-17	TP-09
-X2-X (NO P&P PAD)	PT-1-24-14-09	TP-24-02
-X2-X-P, -X3-X-P (W/ P&P PAD)	PT-1-24-13-09	TP-24
-X1-K	PT-1-24-13-09	TP-24
-X2-K	PT-1-24-14-09	TP-24-02

FIG. 7

-LC: LOCKING CLIP OPTION
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)
(ALTERNATE CONSTRUCTION SHOWN)



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e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
.050 [1.27] x .050 [1.27] LOCKING SOCKET ASSEMBLY

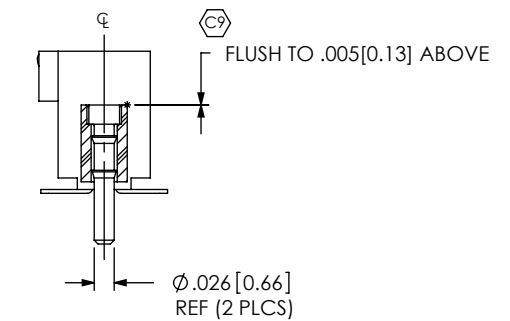
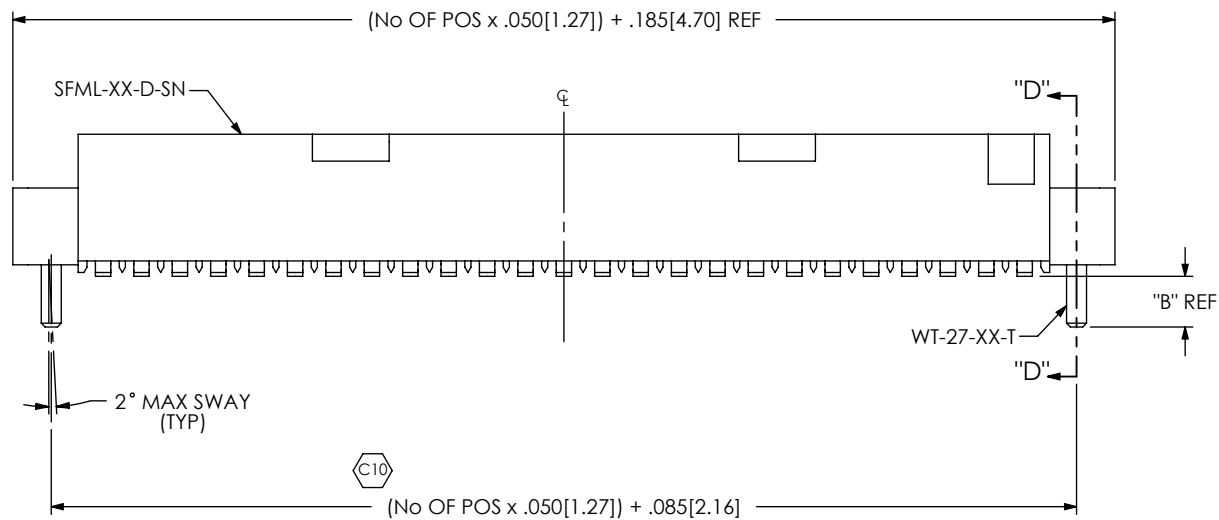
DWG. NO.

SFML-1XX-XX-XXX-D-XXX

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SHEET 3 OF 4

FIG. 8
 -SNX: SOLDER NAIL OPTION
 (SHOWN: SFML-125-02-XXX-D-SN
 (SAME AS FIG. 1, UNLESS OTHERWISE STATED)
 (ONLY AVAILABLE ON -X2 LEAD STYLES)



SECTION "D"-"D"

TABLE 3	
OPTION	"B"
-SN	.066[1.68]
SN2	.101[1.80]

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