

DO NOT
SCALE FROM
THIS PRINT

SFMX-1XX-XX-XXX-D-XX

— OPTIONS

-TR: TAPE & REEL PACKAGING
(SEE FIG. 2, SHT. 2)
-K: POLYAMIDE FILM PAD (.005
THICKNESS WITH SILICONE ADHESIVE)
(USE K-500-300)(SEE FIG. 3, SHT. 2)

— ROW SPECIFICATION

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

PLATING SPECIFICATION

- S: SELECTIVE
- P: GOLD FLASHED PALLADIUM NICKEL
- F: FLASH SELECTIVE GOLD
- H: HEAVY GOLD
- L: LIGHT SELECTIVE GOLD
- STL: SELECTIVE GOLD/ TIN-LEAD TAIL
(ONLY AVAILABLE ON -02 & -L2 LEADSTYLES)
- SM: SELECTIVE, MATTE TIN TAIL
- FM: FLASH SELECTIVE, MATTE TIN TAIL
- LM: LIGHT SELECTIVE, MATTE TIN TAIL

No OF POSITIONS

-10 THRU -50
(PER ROW)

LEAD STYLE

-02: SURFACE MOUNT
(USE C-44-02-XXX)
-L2: SURFACE MOUNT
(LOW INSERTION)
(USE C-61-02-XXX)
-T2: SURFACE MOUNT
(PHOS BRONZE)
(USE C-119-02-XXX)

DETAIL C
SCALE 6 : 1

ALTERNATE CONSTRUCTION

FIG. 1 A
(SHOWN: SFMX-125-XX-XXX-D)

FIG. 1
(SHOWN: SFMX-I25-XX-XXX-D)

DETAIL C
SCALE 6:1

ALTERNATE CONSTRUCTION

Ø.070 [1.78] REF (TYP)

Ø.050 [1.27] REF (TYP)

Ø.060 [1.52] REF

Ø.020 [0.51] REF

.120 [3.05] REF

.145 [3.68] REF

.080 [2.03] REF

.305 [7.75] REF (TYP) (SEE NOTE 5)

.100 [2.54] REF (TYP)

2° MAX SWAY (EITHER DIRECTION)

"A"

"B"

C1

(No OF POS x .050 [1.27]) - .050 [1.27]
(TOL ACCUM ±.005 [.13] OVER 50 POS)

	LEAD
-02: SURFA	(USE C)
-L2: SURFA	(LOW II)
(USE C)	(USE C)
-T2: SURFA	(PHOS)
(USE C)	(USE C)

(PER ROW)

SECTION "A"-"A"

(No OF POS x .050[1.27]) + .085[2.16] REF

Technical drawing of a shaft with the following dimensions and tolerances:

- Top diameter: $.065 [1.65] \text{ REF}$
- Top shoulder diameter: $.185^{+.002}_{-.005} [4.690^{+.05}_{-.13}]$ (SEE NOTE 6)
- Bottom diameter: $.045 [1.14] \text{ REF}$
- Bottom shoulder diameter: $.016 [0.41] \text{ REF}$

Technical drawing of a mechanical part showing a cross-section of a shaft with a keyway. The shaft has a diameter of .050 [1.27] REF. The keyway has a width of .165 [4.19] REF. The shaft is shown with a 2° taper and a -4° taper. A note 'C3' and 'SEE NOTE 2' are present.

SECTION "B"- "B"

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 AFTER ASSEMBLY.
5. 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. MAX HEIGHT VARIATION BETWEEN ANY TWO PINS TO BE .003 [.08].

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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DO NOT SCALE DRAWING

SHEET SCALE: 3:1

MATERIAL:

INSULATOR: VECTRA E130
CONTACT: BeCu
PHOS BRONZE

F:\DWG\MISC\mktg\SEMX-1XX-XX-XXX-D-XX-MKT.SLDDRW

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

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

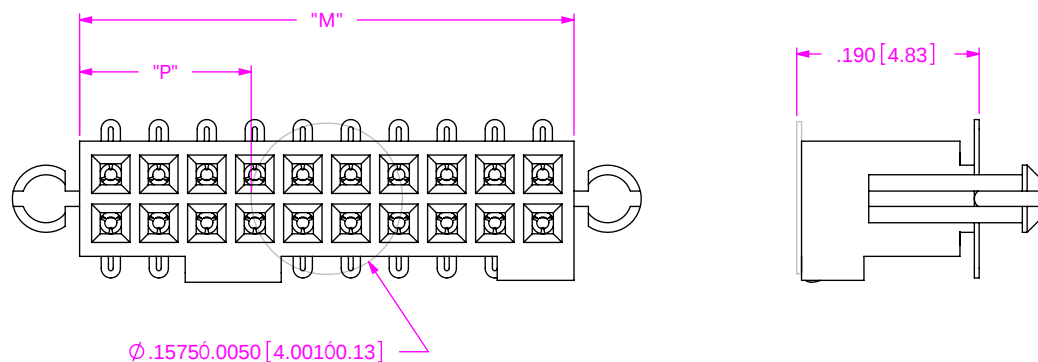
DWG. NO.

SFMX-1XX-XX-XXX-D-XX

BY: BRATCHER 2/4/99

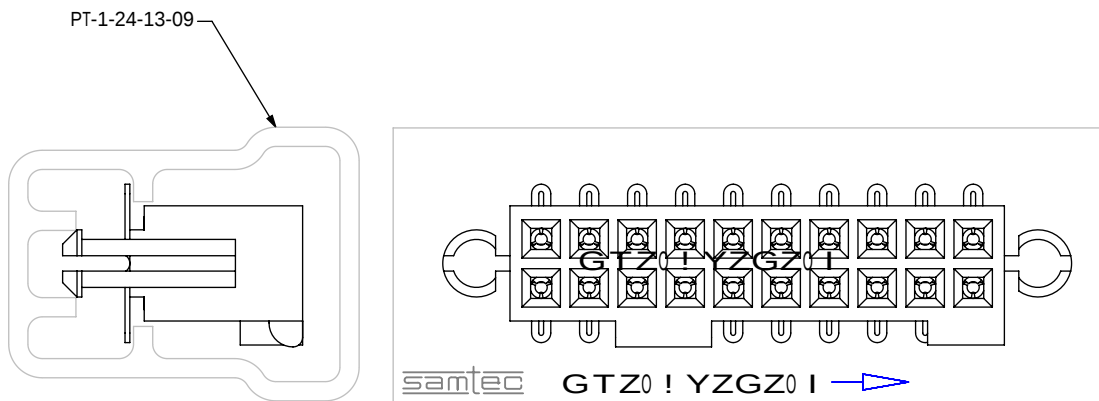
SHEET 1 OF 2

FIG. 2
-K: POLYAMIDE FILM PAD OPTION
(SHOWN: SFMX-110-XX-XXX-D-K)



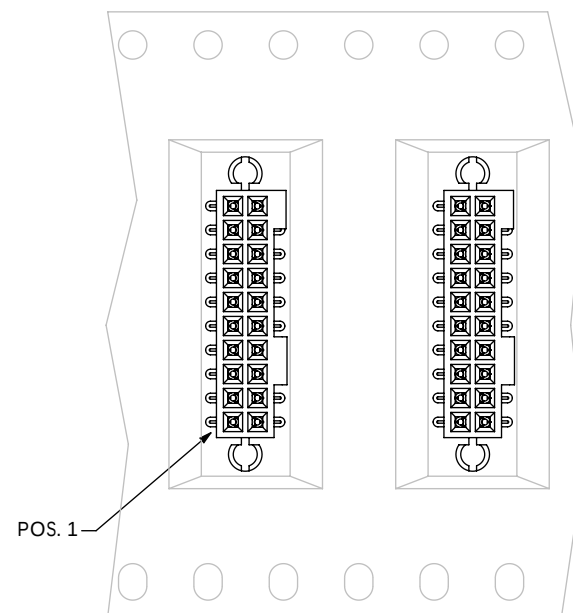
NOTE:
"M" = USED MEASURED DIMENSION (REF)
"P" = $\{("M" - .1575[4.000]) / 2\} \pm .020[.51]$

PACKAGING VIEW

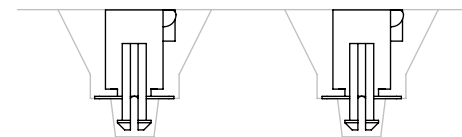


NOTE:
1. PARTS TO BE PACKAGED IN PT-1-24-13-09 TUBES WITH TWO TP-24 PLUGS PER TUBE.
2. LOAD PARTS WITH NOTCH TOWARDS ARROW.

FIG. 3
-TR: TAPE & REEL PACKAGING



UNWINDING DIRECTION →



F:\DWG\MISC\mktg\SMFX-1XX-XX-XXX-D-XX-MKT.SLDDRW

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DO NOT SCALE DRAWING

SHEET SCALE: 5:1

samtec

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

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

BY: BRATCHER 2/4/99

SHEET 2 OF 2