DO NOT SCALE FROM THIS PRINT

SFM-1XX-XX-XX-S-XX-X-XX

TABLE 1

SUFFIX	TAIL LENGTH "A"	TAIL WIDTH "B"
-X1	.120 [3.05]	.020 [0.51]
-X3	.075 [1.91]	.016 [0.41]

No OF POSITIONS
ALL POSITIONS AVAILABLE
-02 THRU -50
USE BODY (SFM-XX-S-XX-X)

PACKAGING
BLANK: TUBES (SEE NOTE 4)
-TR: TAPE & REEL (SEE NOTES 7 & 8)
(-X2 LEAD STYLE ONLY)
-FR: FULL REEL QTY TAPE & REEL
(SEE NOTES 7 & 8)
(-X2 LEAD STYLE ONLY)

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

PICK & PLACE OPTION
-P: PICK & PLACE PAD
(USE PPP-14, SEE FIG 4, SHT 2)
-K: POLYAMIDE FILM
(USE K-500-300, SEE FIG 6, SHT 2)

OPTIONS
BLANK: STANDARD
(USE SFM-XX-S-LC-X)
-A: ALIGNMENT PIN
(USE SFM-XX-S-A-X)
(SEE FIG 3, SHT 2)
-LC: LOCKING CLIP
(USE LC-05-TM & SFM-XX-S-LC-X)
(SEE FIG 5, SHT 2) (SEE NOTE 5)
*-SN: SOLDER NAIL (SEE FIG 7, SHT 3)

BODY SPECIFICATION
-S: SINGLE ROW

PLATING SPECIFICATION
-S: 30µ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
-F: 3µ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
-L: 10µ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL.
-SM: 30µ" SELECTIVE GOLD IN CONTACT AREA;
MATTE TIN ON TAIL
-FM: 3µ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
-LM: 10µ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL.

-LM: SELECTIVE LIGHT GOLD
-SPECIFY -L IN PLATING SUFFIX -X/
MATTE TIN TAILS
(USE C-XX-XX-L)

* = NOT TOOLED

FIG 1
THROUGH HOLE/STRAIGHT MODIFIED
(SFM-130-X1-XX-S SHOWN)

.080 [2.03] REF (SEE NOTE 6)
.070 [1.78] REF
.095 [2.41] REF (SEE NOTE 6)
.050 [1.27] REF
POSITION #1
.050 [1.27] REF

(NO OF POS x .050 [1.27]) + .155 [3.94] REF
(NO OF POS x .050 [1.27]) + .015 [0.38] REF
"A"
.110 [2.79] REF
"A"
1° MAX SWAY
"B" REF (SEE TABLE 1)
(NO OF POS x .050 [1.27]) - .050 [1.27]
C

SECTION "A"-"A"

SFM-XX-S-XX-X
.180 [4.57] REF
"A"
C (SEE TABLE 1)
C-XX-01-XX
2° MAX SWAY
.015 [0.38] REF (SEE NOTE 6)
.005 [0.13] REF

NOTES:
1. C REPRESENTS A CRITICAL DIMENSION FOR STATISTICAL PROCESS CONTROL.
2. MINIMUM PUSHOUT FORCE: .5 LBS
3. COPLANARITY TO BE WITHIN .004 [0.10]
4. TUBES ARE STANDARD PACKAGING.
5. 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.
6. DIMENSION N/A FOR -N OPTION.
7. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
8. ATTACH LABEL TO EACH REEL.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS   ANGLES
.XX: ±.01 [0.3]   2°
.XXX: ±.005 [0.13]
.XXXX: ±.0020 [0.051]

MATERIAL:
INSULATOR: VECTRA E130, COLOR: BLACK
CONTACT: BeCu #25

MAX FLASH ALLOWED: .002 [0.05]
MAX GATE VESTIGE: .002 [0.05]

DO NOT SCALE DRAWING   SHEET SCALE: 4:1

F:\DWG\MISC\MKTG\SFM-1XX-XX-XX-S-XX-X-XX-MKT.SLDDRW

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

DESCRIPTION:
.050 [1.27] C.L. SOCKET STRIP
SINGLE ROW ASSEMBLY

DWG. NO.
SFM-1XX-XX-XX-S-XX-X-XX
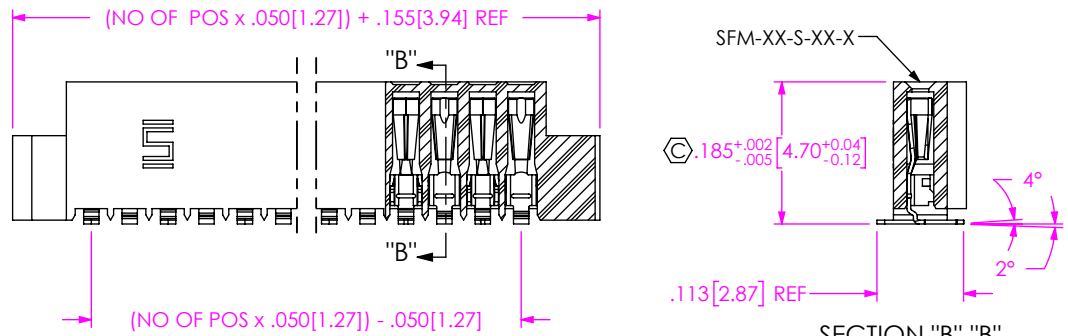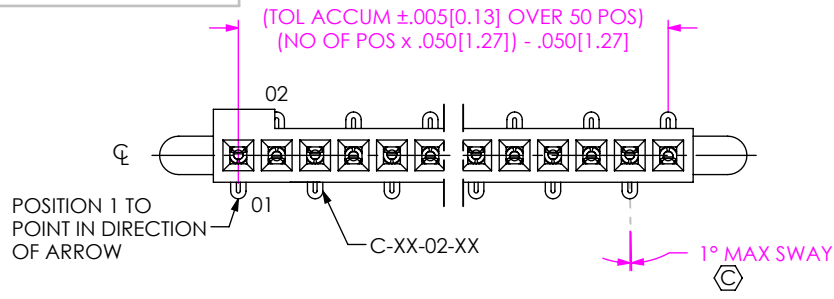
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REVISION BC

(TOL ACCUM ±.005[0.13] OVER 50 POS)
(NO OF POS x .050[1.27]) - .050[1.27]

02

POSITION 1 TO
POINT IN DIRECTION
OF ARROW

01

C-XX-02-XX

1° MAX SWAY

(NO OF POS x .050[1.27]) + .155[3.94] REF

"B"

"B"

(NO OF POS x .050[1.27]) - .050[1.27]

FIG 2
SURFACE MOUNT
DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1
(SFM-130-02-XX-S SHOWN)

SFM-XX-S-XX-X

$.185^{+.002}_{-.005}[4.70^{+0.04}_{-0.12}]$

.113[2.87] REF

4°

2°

SECTION "B"-"B"

SFM-XX-S-A-X

(NO OF POS x .050[1.27]) + .125[3.18] REF

.050[1.27]
REF

R. REF

Ø.050[1.27] REF

(NO OF POS x .050[1.27]) + .075[1.91]

FIG 3
-A: ALIGNMENT PIN
DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1
(SFM-125-02-XX-S-A SHOWN)

.065[1.65]

LC-05-TM

.0560[1.422] REF

.010[0.25]
REF

(NO. OF POS x .050[1.27]) + .075[1.90]
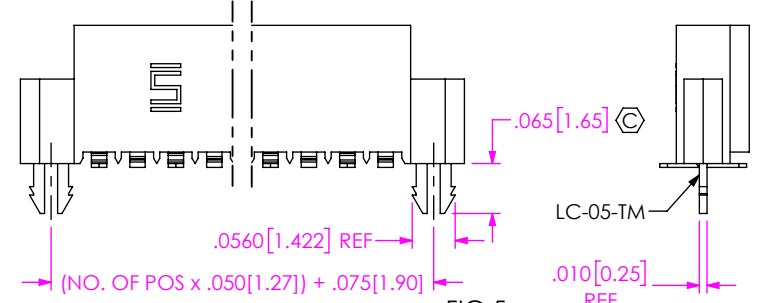
FIG 5
-LC: LOCKING CLIP
DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1
(SFM-112-02-XX-S-LC SHOWN)

((NO OF POS x .050[1.27])
- .360[9.14]) / 2 ± .020[0.51]

.375[9.53] REF

PPP-14

.110[2.79]
REF

.050[1.27]

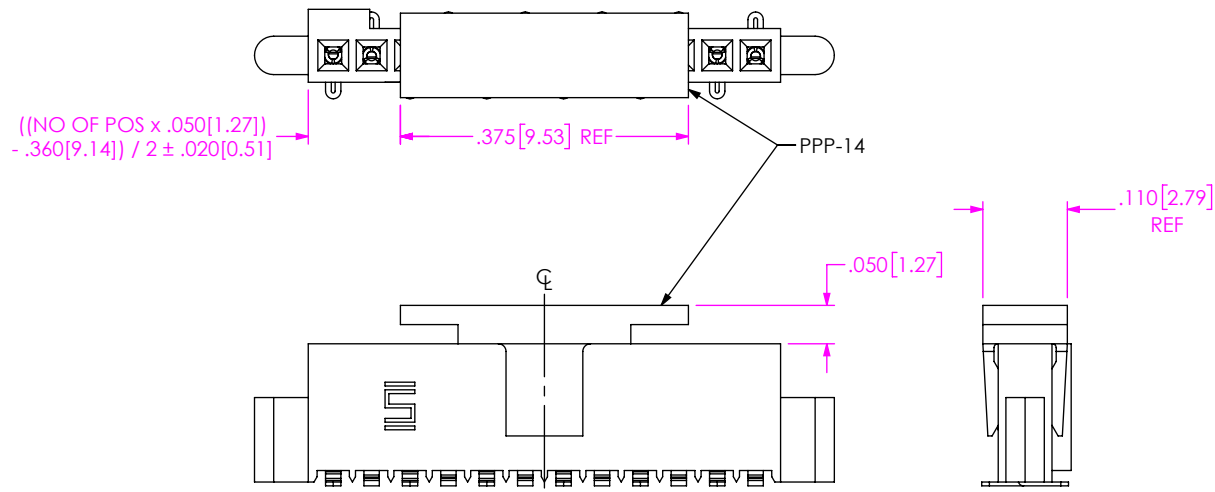FIG 4
-P: PICK & PLACE PAD
DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1
(PLACE PAD ABOUT C.L. AS SHOWN)
(SFM-112-02-XX-S-P SHOWN)

"R" REF
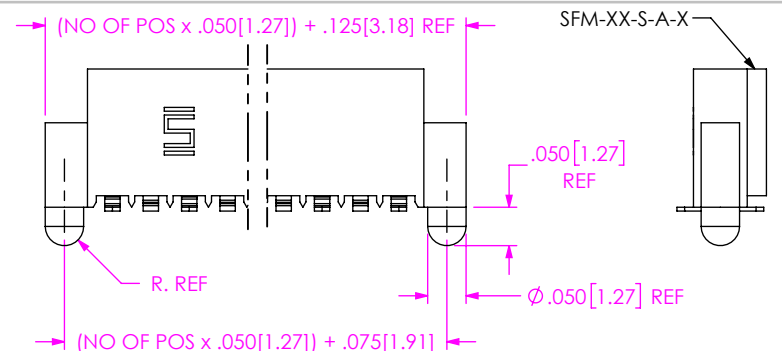USED MEASURED DIMENSION

.019±.020[0.49±0.51]

(("R" - .1083[2.751])/2)
± .020[0.51]

Ø.1083±.0050[2.751±0.127]

.190±.020[4.83±0.51]
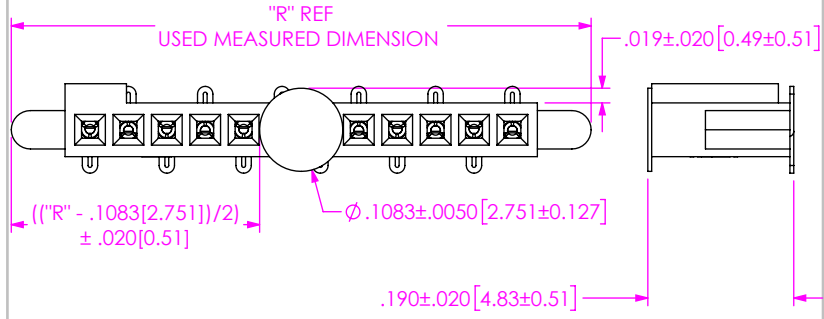
FIG 6
-K: OPTION (POLYIMIDE FILM PAD)
DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1
(SFM-112-02-XX-S-K SHOWN)

samtec

SHEET SCALE: 4:1

DESCRIPTION:
.050 [1.27] C.L. SOCKET STRIP
SINGLE ROW ASSEMBLY

DWG. NO.
SFM-1XX-XX-XX-S-XX-X-XX
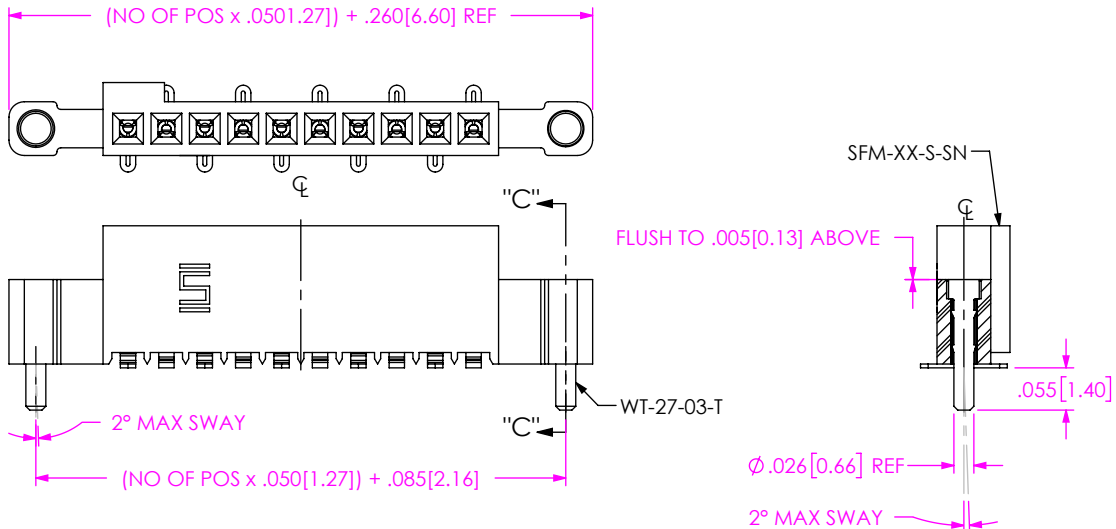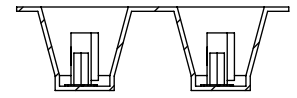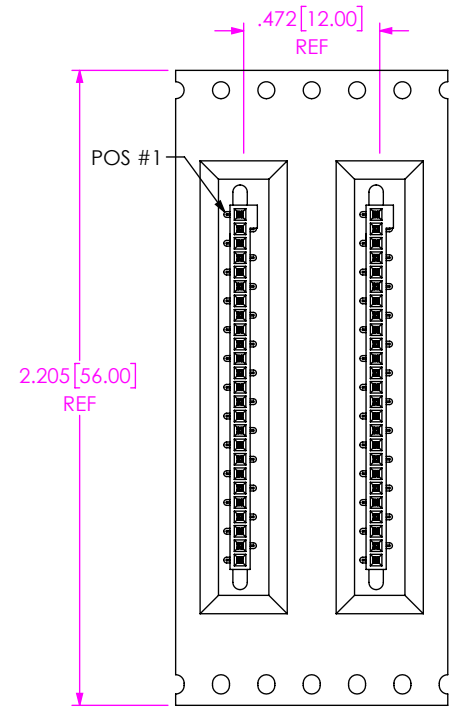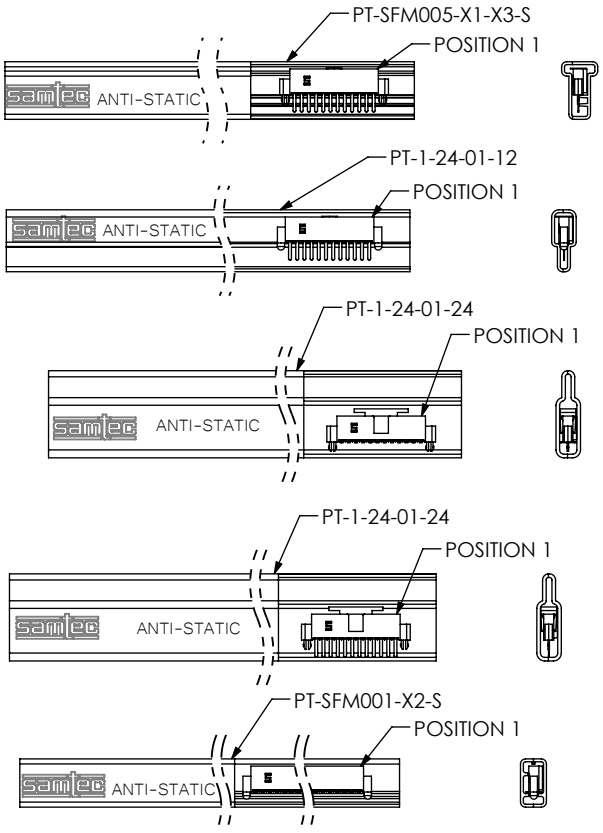
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F:\DWG\MISC\MKTG\SFM-1XX-XX-XX-S-XX-X-XX-MKT.SLDDRW

REVISION BC

(NO OF POS x .050[1.27]) + .260[6.60] REF

$\mathcal{C}_L$

"C"

"C"

2° MAX SWAY

WT-27-03-T

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

FIG 7
*-SN: SOLDER NAIL OPTION
DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1
(SFM-110-02-XX-S-SN SHOWN)

SFM-XX-S-SN

$\mathcal{C}_L$

FLUSH TO .005[0.13] ABOVE

.055[1.40]

Ø.026[0.66] REF

2° MAX SWAY

SECTION "C"-"C"

.472[12.00]
REF

POS #1

2.205[56.00]
REF

USER DIRECTION OF UN-REELING
POCKET NOT DETAILED

TAPE & REEL VIEW
(SFM-125-02-XX-S-XR SHOWN)

PACKAGE PARTS IN TUBE AS SHOWN

PT-SFM005-X1-X3-S
POSITION 1
samtec ANTI-STATIC

PT-1-24-01-12
POSITION 1
samtec ANTI-STATIC

PT-1-24-01-24
POSITION 1
samtec ANTI-STATIC

PT-1-24-01-24
POSITION 1
samtec ANTI-STATIC

PT-SFM001-X2-S
POSITION 1
samtec ANTI-STATIC

PACKAGING TUBE TABLE

LEAD STYLE	PACKAGING TUBE	PLUG
-X1-S, -X1-S-K	PT-SFM005-X1-X3-S	TP-12
-X1-S-A,-X1-S-A-K	PT-1-24-01-12	TP-12
-X1-S-LC, -X1-S-LC-K	PT-SFM005-X1-X3-S	TP-12
-X1-S-P	PT-1-24-01-24	TP-24
-X1-S-A-P	PT-1-24-01-24	TP-24
-X1-S-LC-P	PT-1-24-01-24	TP-24
-X2-S	PT-SFM001-X2-S	TP-12
-X2-S-A	PT-SFM001-X2-S	TP-12
-X2-S-K	PT-SFM001-X2-S	TP-12
-X2-S-LC-K	PT-SFM001-X2-S	TP-12
-X3-S-SN	PT-SFM001-X2-S	TP-12
-X2-S-LC	PT-SFM001-X2-S	TP-12
-X2-S-P	PT-SFM002-X2-S	TP-12
-X2-S-A-P	PT-1-24-01-24	TP-24
-X2-S-LC-P	PT-SFM002-X2-S	TP-12
-X3-S	PT-SFM005-X1-X3-S	TP-12
-X3-S-A	PT-SFM005-X1-X3-S	TP-12
-X3-S-LC	PT-SFM005-X1-X3-S	TP-12
-X3-S-P	PT-1-24-01-24	TP-24
-X3-S-A-P	PT-1-24-01-24	TP-24
-X3-S-LC-P	PT-1-24-01-24	TP-24

SHEET SCALE: 4:1

DESCRIPTION: .050 [1.27] C.L. SOCKET STRIP
SINGLE ROW ASSEMBLY

DWG. NO. SFM-1XX-XX-XX-S-XX-X-XX

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