

DO NOT SCALE FROM THIS PRINT

NOTES:

1. REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: 16 OZ FOR TERMINALS, 12 OZ FOR WELD TABS, AND 8 OZ FOR LOCKING CLIPS.
3. MEASURED FROM BEND.
4. MAXIMUM TERMINAL BURR: .003 [.08].
5. MAXIMUM HEIGHT VARIATION BETWEEN ANY TWO PINS: .005 [.13].
6. 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.

TFM-1XX-XX-X-S-XX

No OF POSITIONS
ALL POSITIONS AVAILABLE
-02 THRU -50

LEAD STYLE

- 01: T-1R16-01-X-2 THROUGH HOLE
- 02: T-1R16-01-X-2 SURFACE MOUNT
- 03: T-1R16-10-X THROUGH HOLE

OPTION

- A: ALIGNMENT PIN (USE TFM-XX-S-01-A) (NOT AVAILABLE WITH -WT OPTION) (SEE FIG 5, SHEET 2)
- LC: LOCKING CLIP (USE LC-05-TM) (NOT AVAILABLE WITH -WT OPTION) (SEE FIG 7, SHEET 3) (SEE NOTE 6)
- P: PICK AND PLACE PAD (USE PPP-15) (SEE FIG 6, SHEET 2) (ONLY AVAILABLE ON -08 THRU -50 POSITIONS, -07 THRU -50 POSITIONS WITH -WT OPTION)
- K: POLYIMIDE FILM (SEE FIG 3, SHEET 2) (USE K-DOT-.217-.313-.005)
- WT: WELD TABS (USE WT-25-07-T) (SEE FIG 4, SHEET 2) (AVAILABLE ON -02 THRU -30 POS ONLY) (NOT AVAILABLE WITH -A OR -LC OPTIONS)
- TR: TAPE & REEL (SEE SHEET 3, TAPE AND REEL VIEW)
- ** -SN: SOLDER NAIL (USE WT-27-03) (NOT AVAILABLE WITH -A, -LC, OR -WT OPTIONS) (SEE FIG 8, SHEET 3)

PLATING SPECIFICATIONS

- S: 30µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- F: 3µ" FLASH GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- L: 15µ" LIGHT GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- H: 30µ" HEAVY GOLD IN CONTACT AREA, 3µ" GOLD ON TAIL
- T: MATTE TIN CONTACT AND TAIL

BODY SPECIFICATION
-S: SINGLE ROW
(USE TFM-XX-S-XX-XX)

** NOT TOOLED

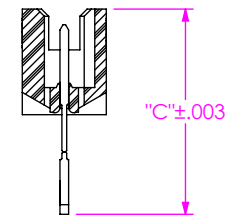
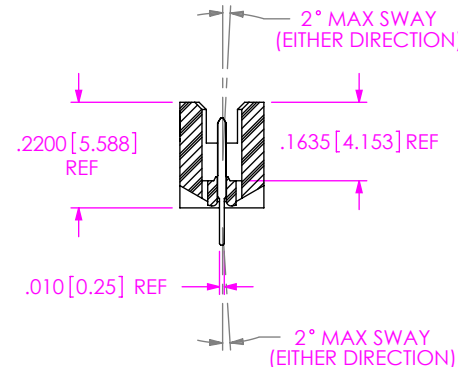
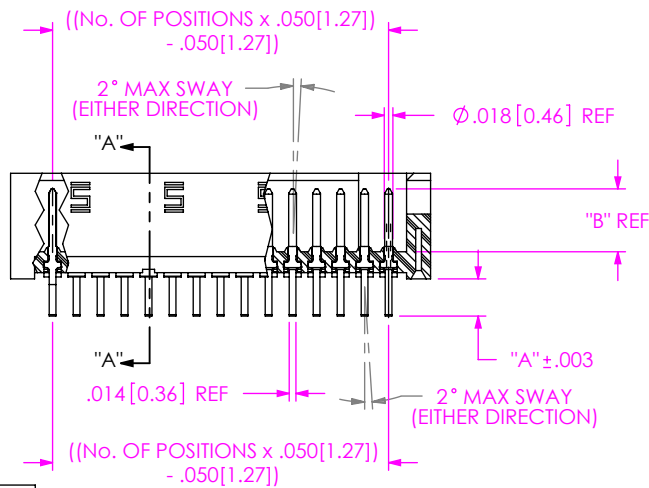
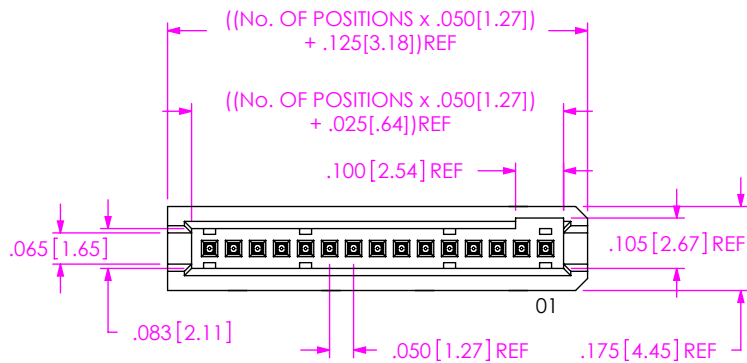


TABLE 1

POSITION	COPLANARITY
-02 THRU -29	.004 [.10]
-030 THRU -39	.006 [.15]
-40 THRU -50	.008 [.20]

FIG 1
(TFM-115-01-X-S-XX SHOWN)

TABLE 2

LEAD STYLE	BODY	"A"	"B"	"C"	"E"
-01	TFM-XX-S-01-XX	.078 [1.98]	.131 [3.33]	.428 [10.87]	.303 [7.70]
-02	TFM-XX-S-01-XX	N/A	.131 [3.33]	.428 [10.87]	.231 [5.87]
-03	TFM-XX-S-01-XX	.111 [3.33]	.139 [3.53]	.645 [16.38]	.356 [9.04]

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS ANGLES
.XX: ±.01 [.3] 2°
.XXX: ±.005 [.13]
.XXXX: ±.0020 [.051]

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1:0.4
INSULATOR: LCP, UL 94 V0, COLOR: BLACK
TERMINAL: PHOSPHOR BRONZE

DESCRIPTION:
.050 C.L. SINGLE ROW SHROUDED TERMINAL STRIP

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

BY: D. SCHMELZ 8/21/2008 SHEET 1 OF 3



520 PARK EAST BLVD. NEW ALBANY, IN 47150
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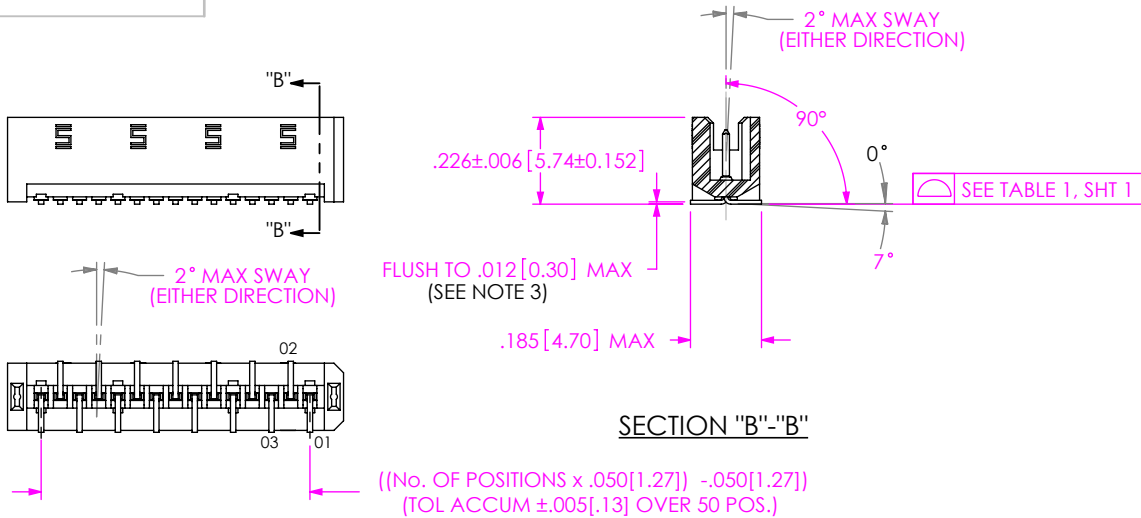


FIG 2
SURFACE MOUNT
(TFM-115-02-X-S-XX SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

NOTE: "R" = OVERALL LENGTH REF
"S" = $(("R" - .216[5.49]) / 2) \pm 0.020[.51]$

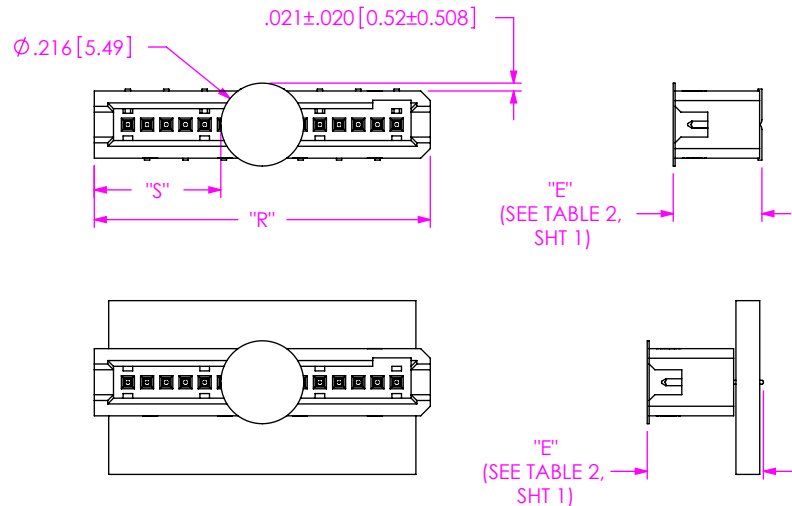


FIG 3
-K: POLYIMIDE FILM PAD
(TFM-115-02-X-S-K SHOWN)

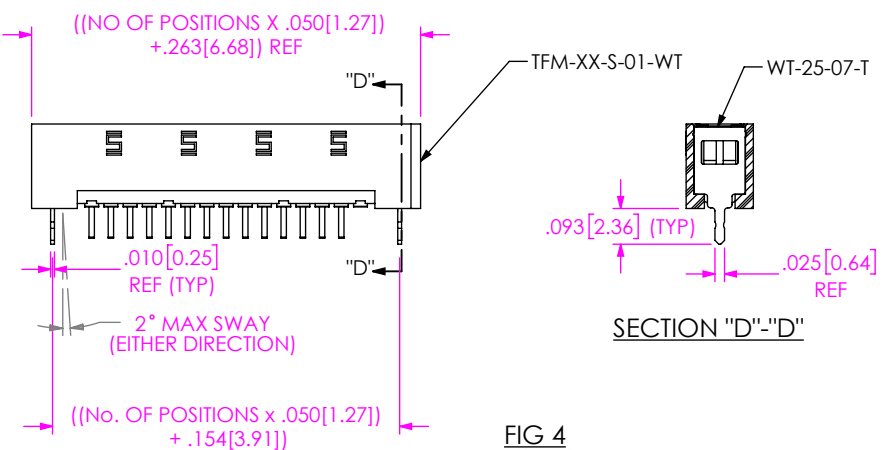


FIG 4
-WT OPTION
(TFM-114-01-X-S-WT SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

NOTE: "M" = $(\text{No. OF POSITIONS} \times .050[1.27]) + .125[3.18]$ REF
WITH -WT "M" = $(\text{No. OF POSITIONS} \times .050[1.27]) + .263[6.68]$ REF
"P" = $(("M" - .375[9.53]) / 2) \pm 0.020[.51]$

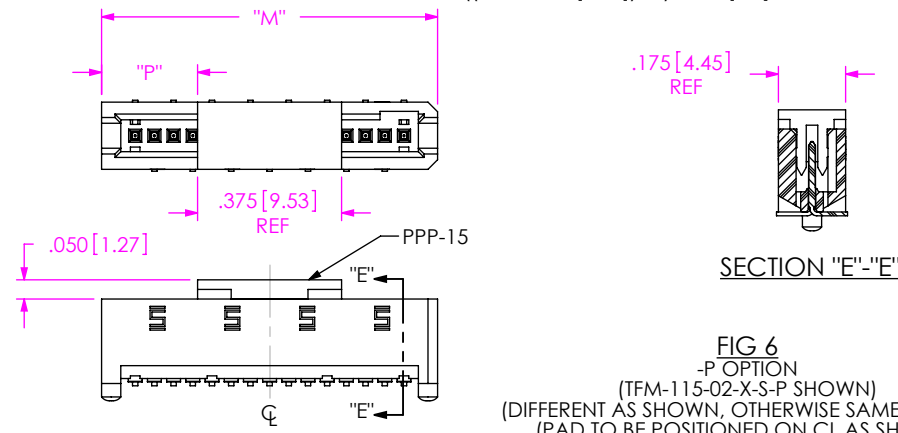


FIG 6
-P OPTION
(TFM-115-02-X-S-P SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(PAD TO BE POSITIONED ON CL AS SHOWN)

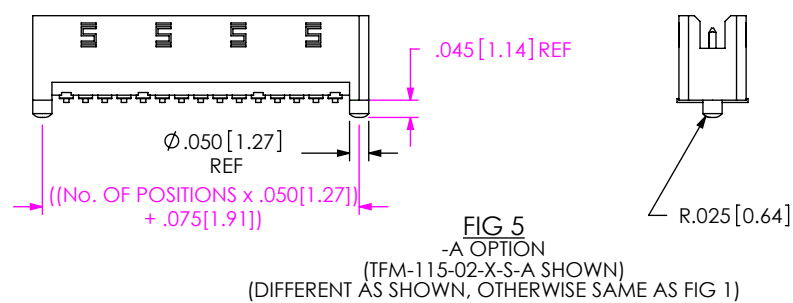


FIG 5
-A OPTION
(TFM-115-02-X-S-A SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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

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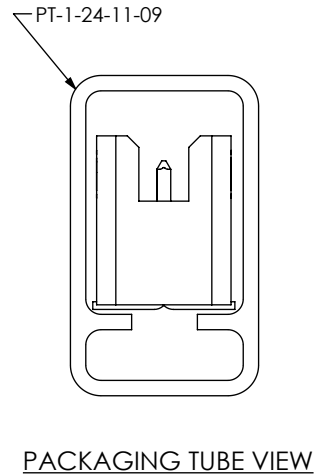
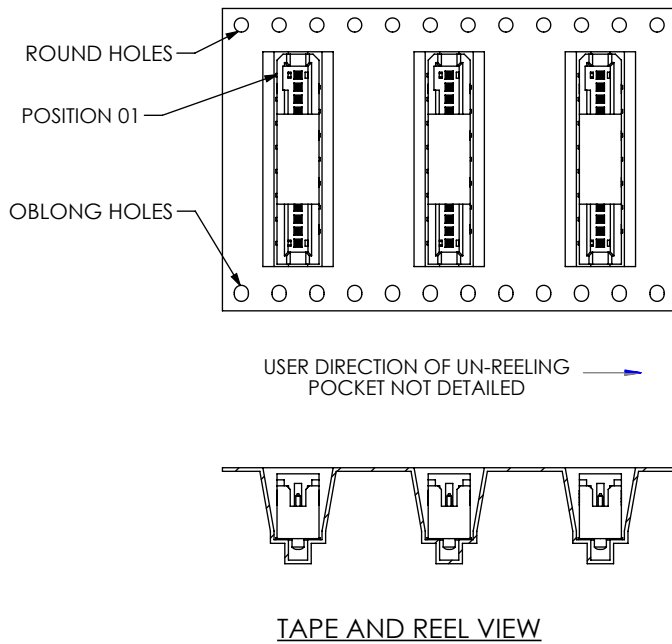


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DWG. NO. **TFM-1XX-XX-X-S-XX**

BY: D. SCHMELZ 8/21/2008 SHEET 2 OF 3



- NOTES:
1. USE PT-1-24-11-09 TUBE AND (2) TP-09.
 2. USE PT-1-24-03-09 TUBE AND (2) TP-09 FOR -P AND -K OPTIONS.
 3. LOAD TUBE WITH 1ST POSITION IN SAME DIRECTION AS ARROW

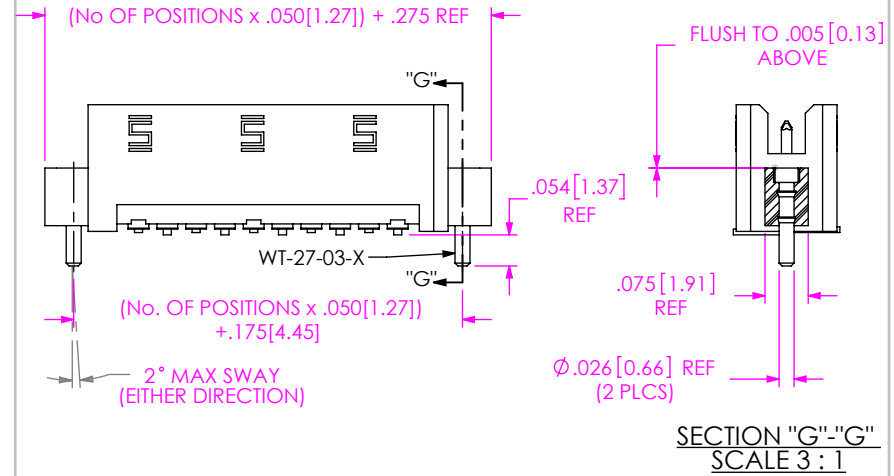


FIG 8
** -SN OPTION
(TFM-110-02-X-S-SN SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

** NOT TOOLED

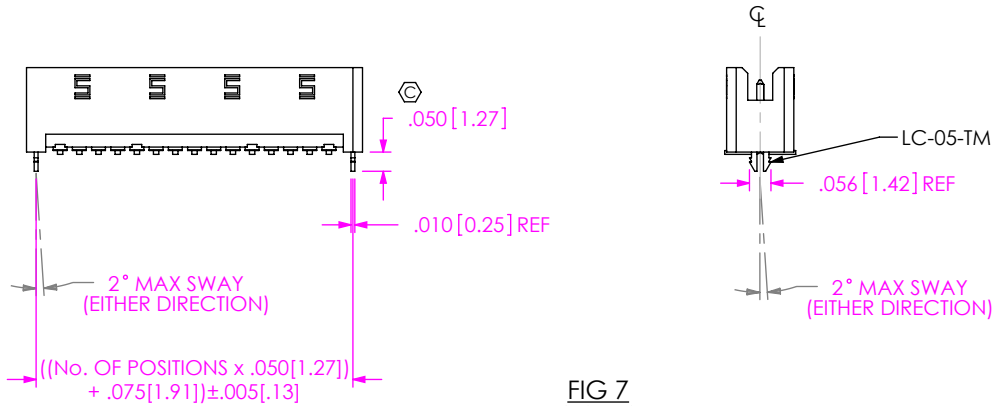


FIG 7
-LC OPTION
(TFM-115-02-X-S-LC SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)

* INSPECT ONLY WHEN APPLICABLE WITH RESPECT TO ASSEMBLY OPTION

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