

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.

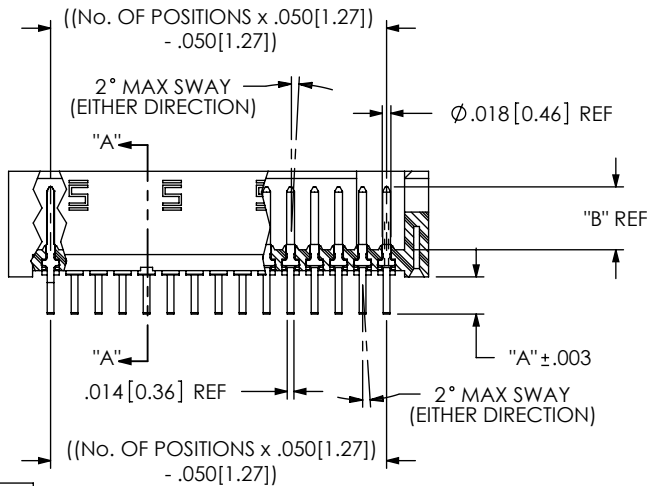
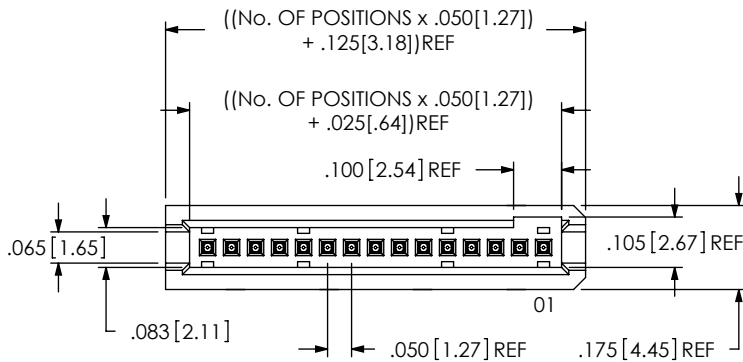


FIG 1  
(TFM-115-01-X-S-XX SHOWN)

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

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]

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

PLATING SPECIFICATIONS

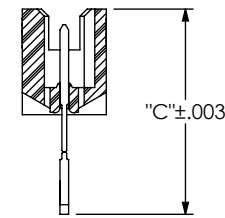
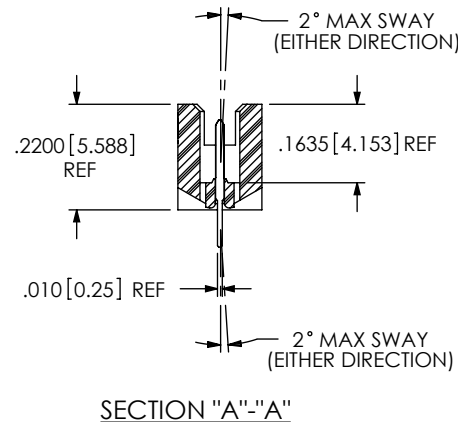
- S:  $30\mu$ " SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- F:  $3\mu$ " FLASH GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- L:  $15\mu$ " LIGHT GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- H:  $30\mu$ " HEAVY GOLD IN CONTACT AREA,  $3\mu$ " GOLD ON TAIL
- T: MATTE TIN CONTACT AND TAIL

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)
- 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)

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

\*\* NOT TOOLED



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.  
TOLERANCES ARE:  
DECIMALS ANGLES  
.XX:  $\pm .01$  [.3]  $2^\circ$   
.XXX:  $\pm .005$  [.13]  
.XXXX:  $\pm .0020$  [.051]

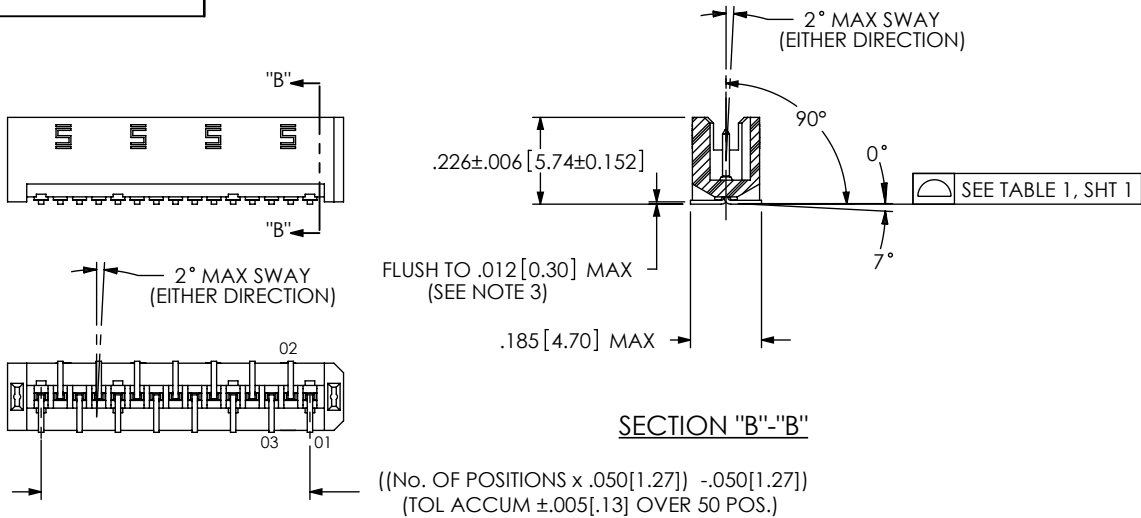
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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1:0.4  
INSULATOR: LCP, UL 94 V0, COLOR: BLACK  
TERMINAL: PHOSPHOR BRONZE

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

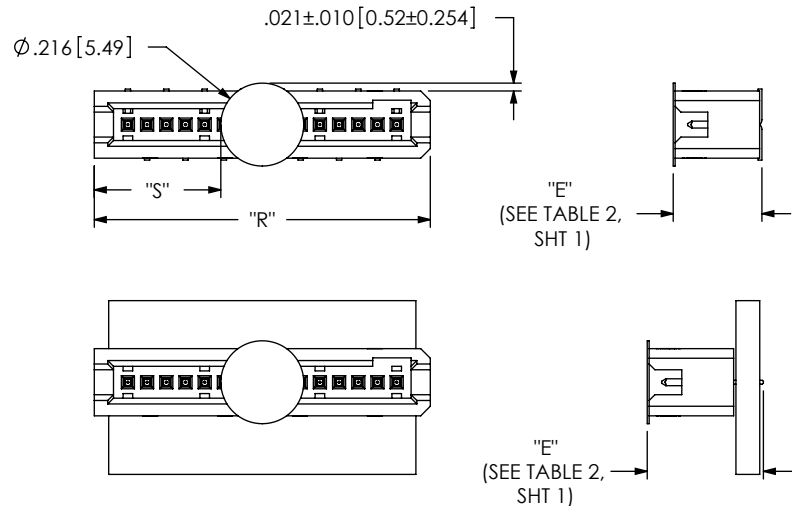
DWG. NO. TFM-1XX-XX-X-S-XX

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

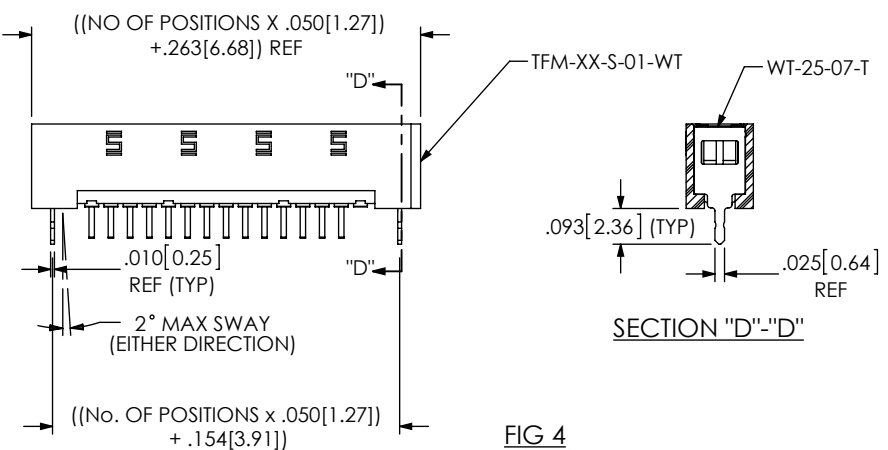


**FIG 2**  
SURFACE MOUNT  
(TFM-115-02-X-S-XX SHOWN)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

NOTE: "R" = OVERALL LENGTH REF  
"S" = ((("R" - .216[5.49]) / 2) ±.020[.51])

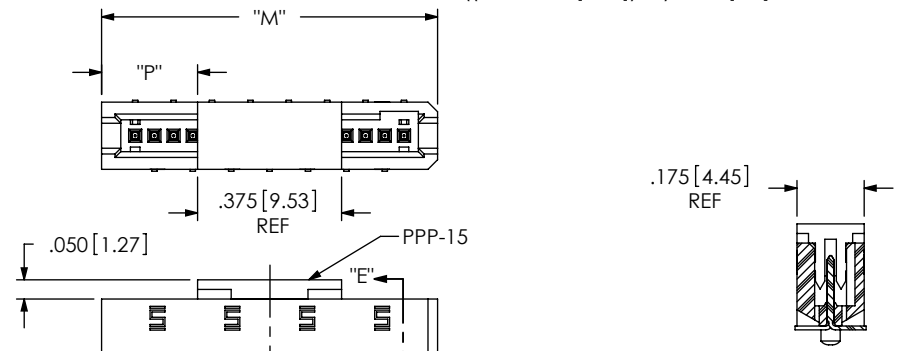


**FIG 3**  
-K: POLYIMIDE FILM PAD  
(TFM-115-02-X-S-K SHOWN)

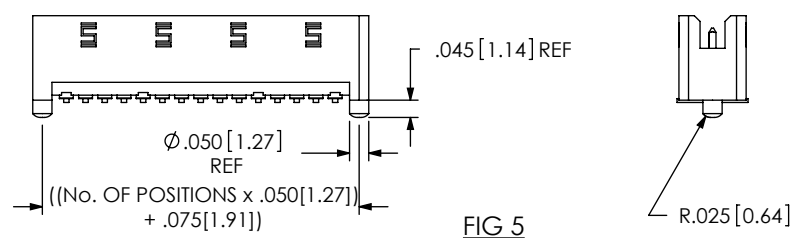


**FIG 4**  
-WT OPTION  
(TFM-114-01-X-S-WT SHOWN)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

NOTE: "M" = (No. OF POSITIONS X .050[1.27]) + .125[3.18] REF  
WITH -WT "M" = (No. OF POSITIONS X .050[1.27]) + .263[6.68] REF  
"P" = ((("M" - .375[9.53]) / 2) ±.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)

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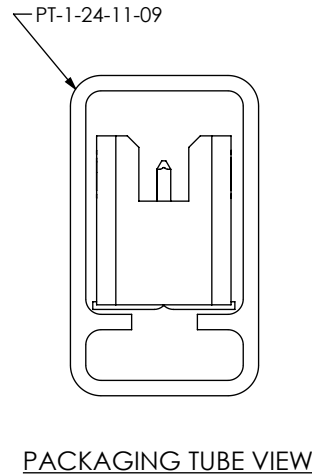
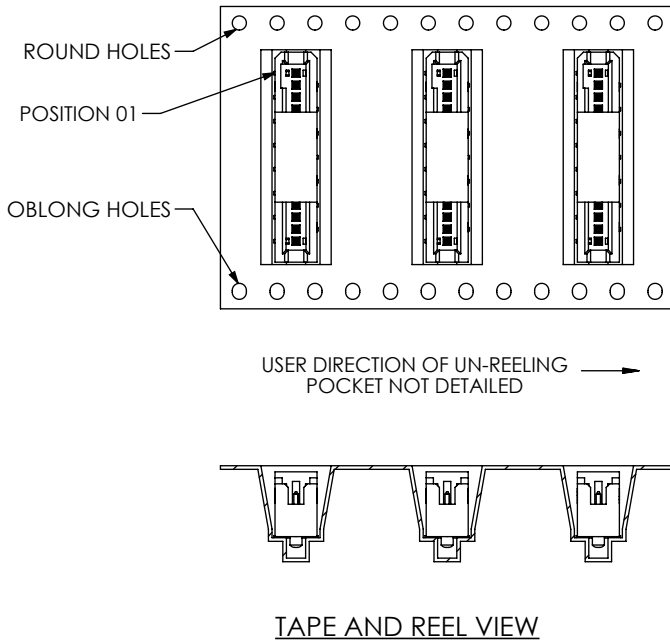
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DO NOT SCALE DRAWING  
SHEET SCALE: 2:1

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

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

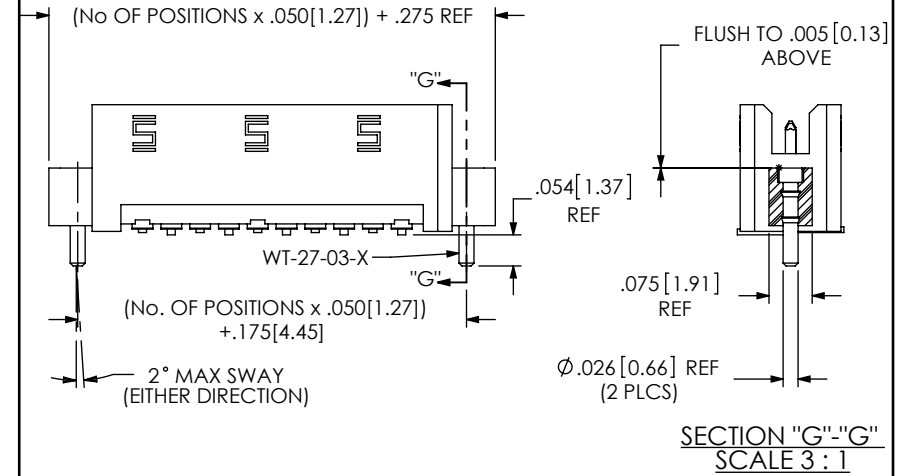


FIG 8  
\*\* -SN OPTION  
(TFM-110-02-X-S-SN SHOWN)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

\*\* NOT TOOLED

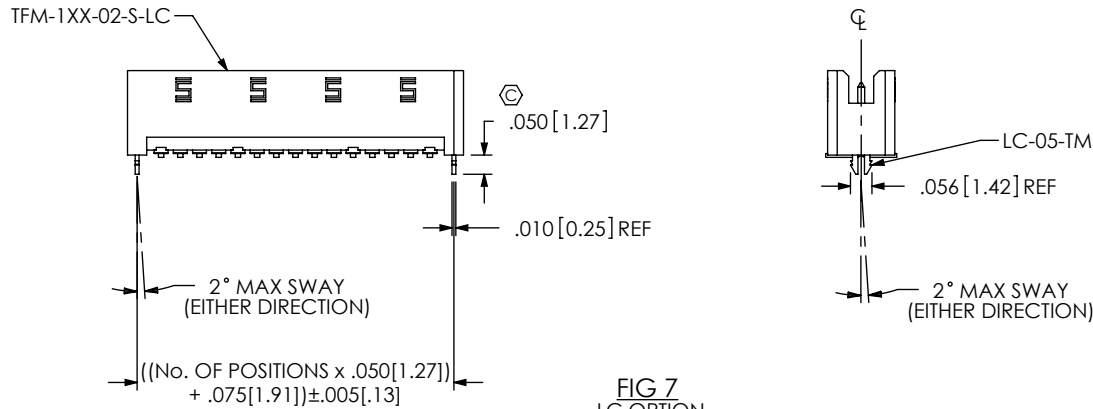


FIG 7  
-LC OPTION  
(TFM-115-01-X-S-LC SHOWN)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)

\* INSPECT ONLY WHEN APPLICABLE WITH RESPECT TO ASSEMBLY OPTION

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SHEET SCALE: 2:1

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

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