

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.
7. TUBES ARE STANDARD PACKAGING.
8. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
9. ATTACH LABEL TO EACH REEL.

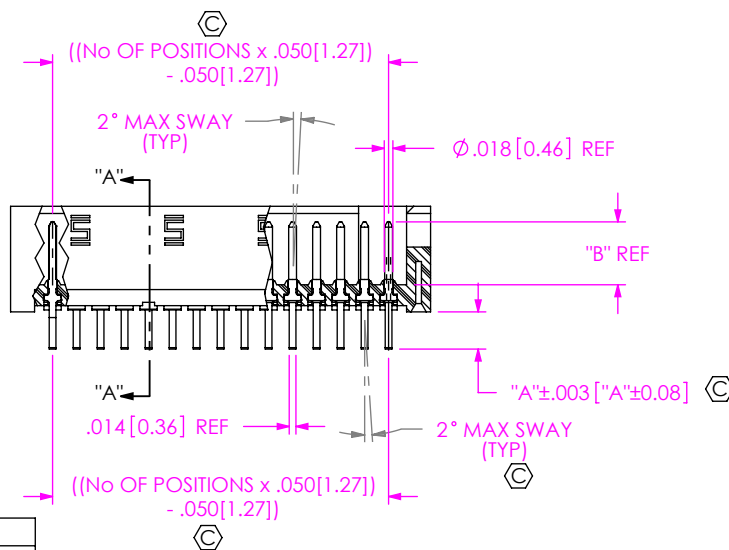
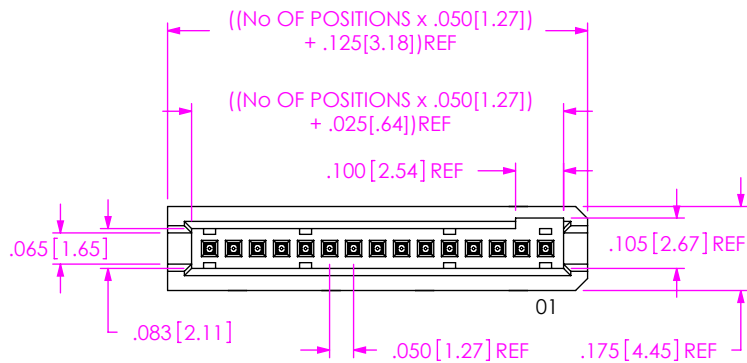


FIG 1
(TFM-115-01-X-S-XX SHOWN)

TABLE 1	
POSITION	COPLANARITY
-02 THRU -29	.004 [.10]
-030 THRU -39	.006 [.15]
-40 THRU -50	.008 [.20]

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 [16.83]	.333 [8.46]

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

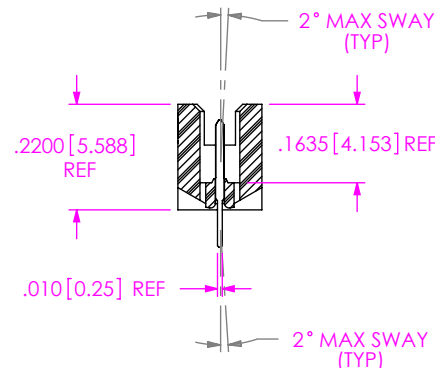
BODY SPECIFICATION
-S: SINGLE ROW
(USE TFM-XX-S-XX-XX)

PACKAGING
BLANK: TUBES (SEE NOTE 7)
-TR: TAPE & REEL (SEE NOTES 8 & 9)
(SEE SHT 3, TAPE & REEL VIEW)
(NOT AVAILABLE WITH -01 OR
-03 LEAD STYLE)
-FR: FULL REEL QTY TAPE & REEL
(SEE NOTES 8 & 9)
(SEE SHT 3, TAPE & REEL VIEW)
(NOT AVAILABLE WITH -01 OR
-03 LEAD STYLE)

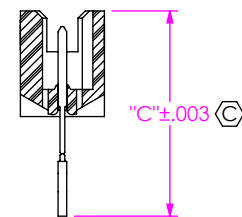
PICK & PLACE OPTION
-P: PICK AND PLACE PAD (USE PPP-15)
(SEE FIG 6, SHT 2)
(ONLY AVAILABLE ON -08 THRU -50 POSITIONS,
-07 THRU -50 POSITIONS WITH -WT OPTION)
-K: POLYIMIDE FILM (SEE FIG 3, SHT 2)
(USE K-DOT-.217-.313-.005)

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)
-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)
**-SN: SOLDER NAIL (USE WT-27-03)
(NOT AVAILABLE WITH -A, -LC, OR
-WT OPTIONS) (SEE FIG 8, SHEET 3)

** NOT TOOLED



SECTION "A"-"A"



IN-PROCESS

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

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

SHEET SCALE: 1:0.4

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

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

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

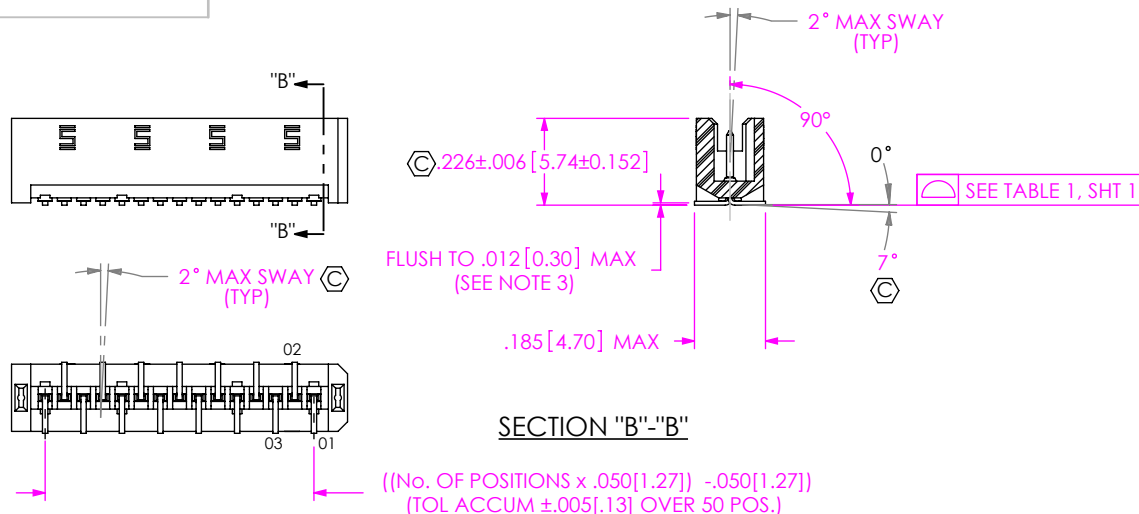


FIG 2
SURFACE MOUNT
(TFM-115-02-X-S-XX SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

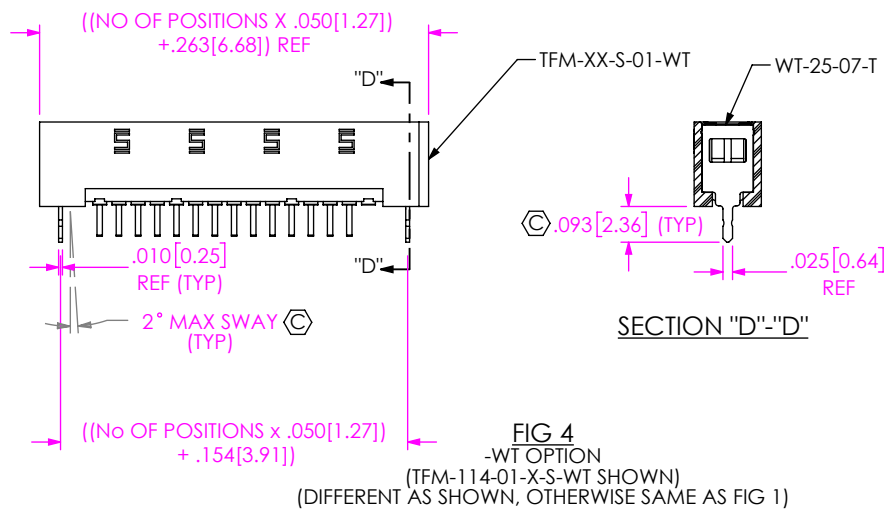


FIG 4
-WT OPTION
(TFM-114-01-X-S-WT SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

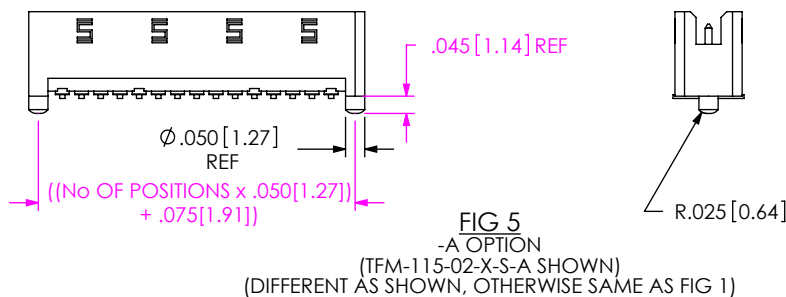


FIG 5
-A OPTION
(TFM-115-02-X-S-A SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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

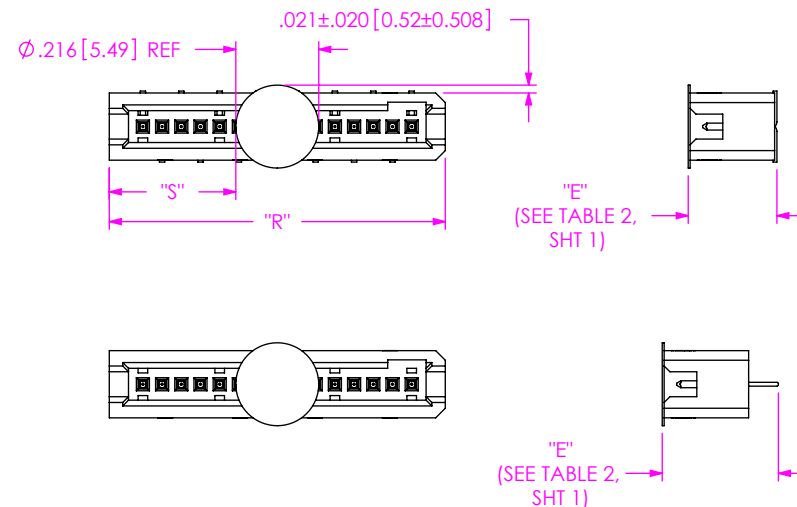


FIG 3
-K: POLYIMIDE FILM PAD
(TFM-115-XX-X-S-K SHOWN)

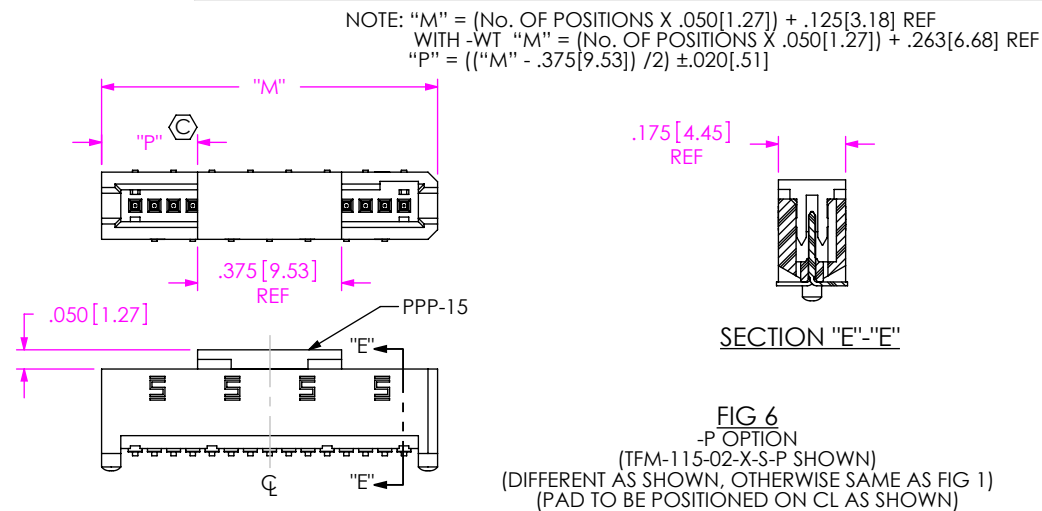


FIG 6
-P OPTION
(TFM-115-02-X-S-P SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(PAD TO BE POSITIONED ON CL AS SHOWN)

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SHEET SCALE: 2:1

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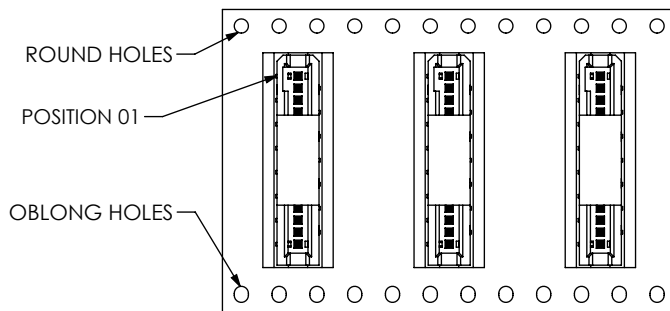
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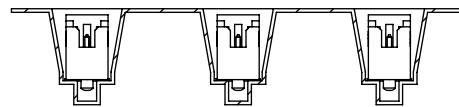
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DWG. NO.
TFM-1XX-XX-X-S-XX-X-XX

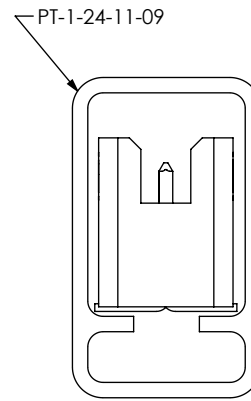
BY: D. SCHMELZ 8/21/2008 SHEET 2 OF 3



USER DIRECTION OF UN-REELING
POCKET NOT DETAILED



TAPE & REEL VIEW



PACKAGING TUBE VIEW

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

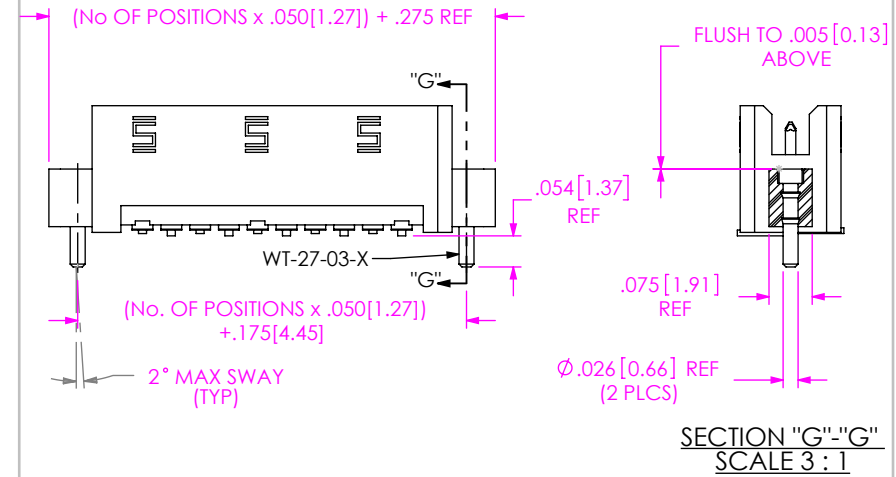


FIG 8
-SN OPTION
(TFM-110-02-X-S-SN SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

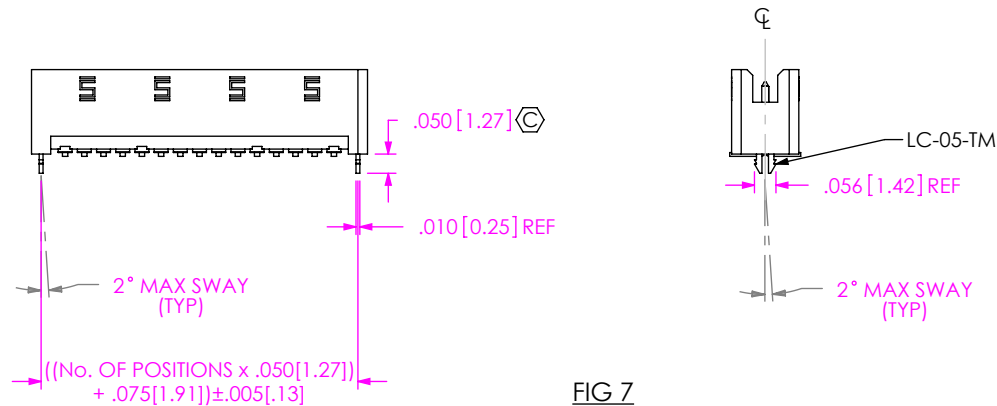


FIG 7
-LC OPTION
(TFM-115-02-X-S-LC SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)

* INSPECT ONLY WHEN APPLICABLE WITH RESPECT TO ASSEMBLY OPTION

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