

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.

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

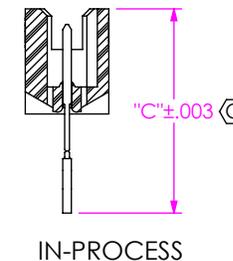
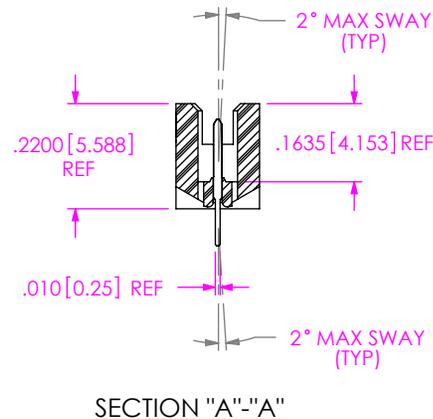
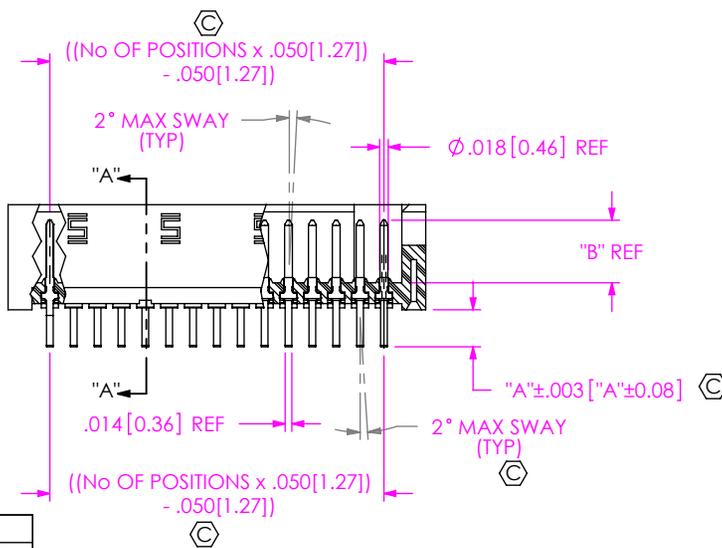
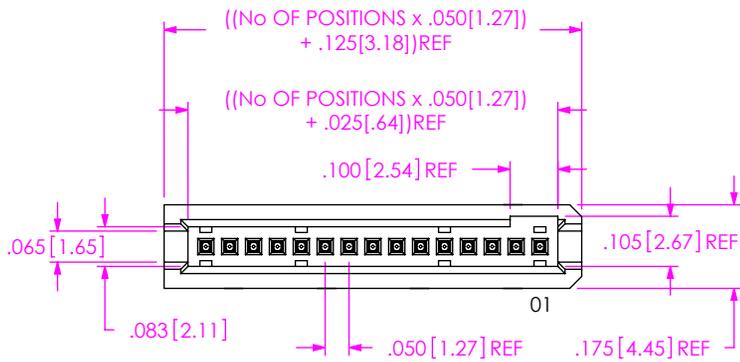
PACKAGING  
BLANK: TUBES (SEE NOTE 7)  
-TR: TAPE & REEL (SEE NOTES 8 & 9) (SEE SHT 3, TAPE & REEL VIEW) (NOT AVAILABLE WITH -01 OR -03 LEAD STYLE)  
-FR: FULL REEL QTY TAPE & REEL (SEE NOTES 8 & 9) (SEE SHT 3, TAPE & REEL VIEW) (NOT AVAILABLE WITH -01 OR -03 LEAD STYLE)

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)

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)



\*\* NOT TOOLED

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 [16.83]	.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-X-XX

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

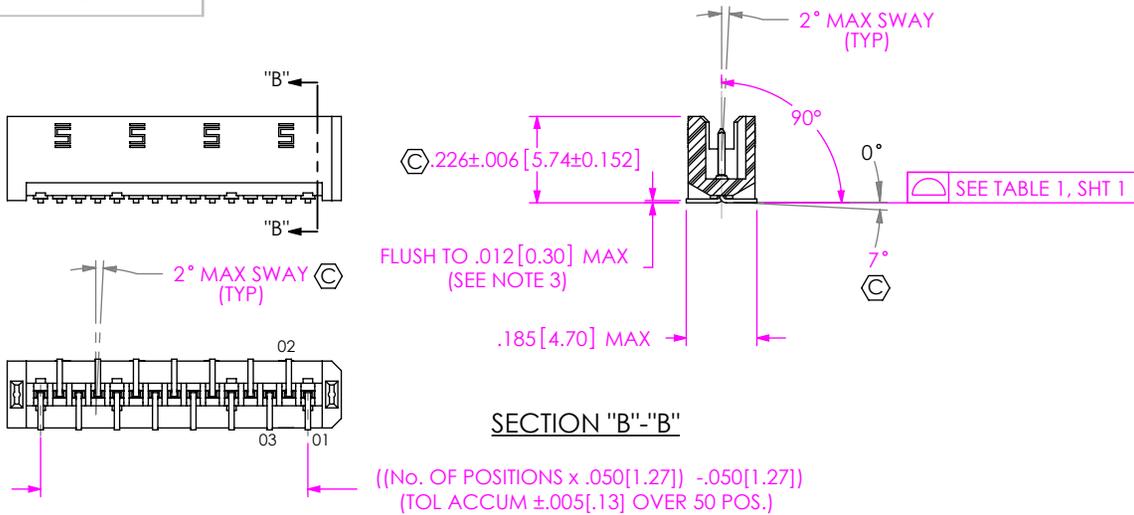


FIG 2  
SURFACE MOUNT  
(TFM-115-02-X-S-XX SHOWN)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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

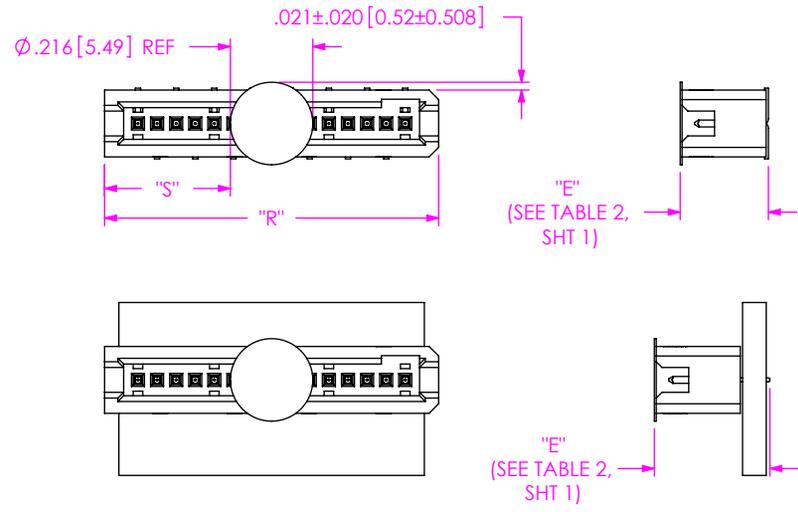


FIG 3  
-K: POLYIMIDE FILM PAD  
(TFM-115-02-X-S-K SHOWN)

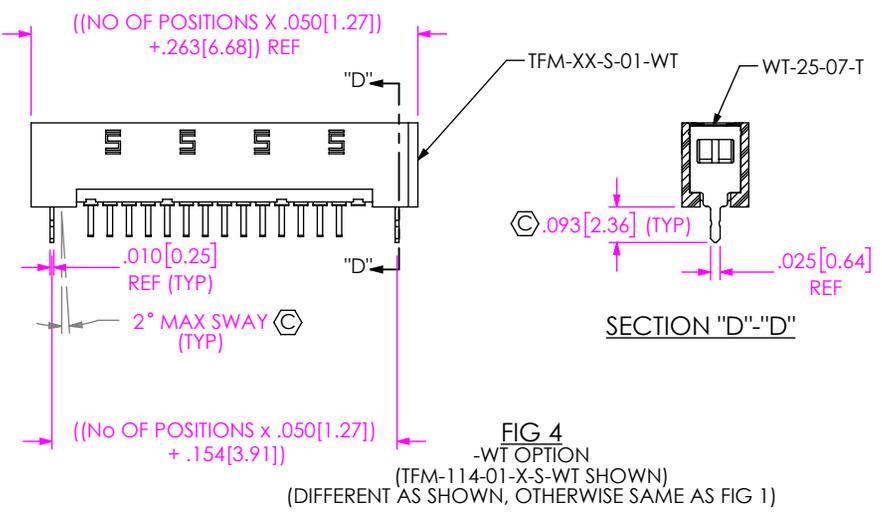


FIG 4  
-WT OPTION  
(TFM-114-01-X-S-WT SHOWN)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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])

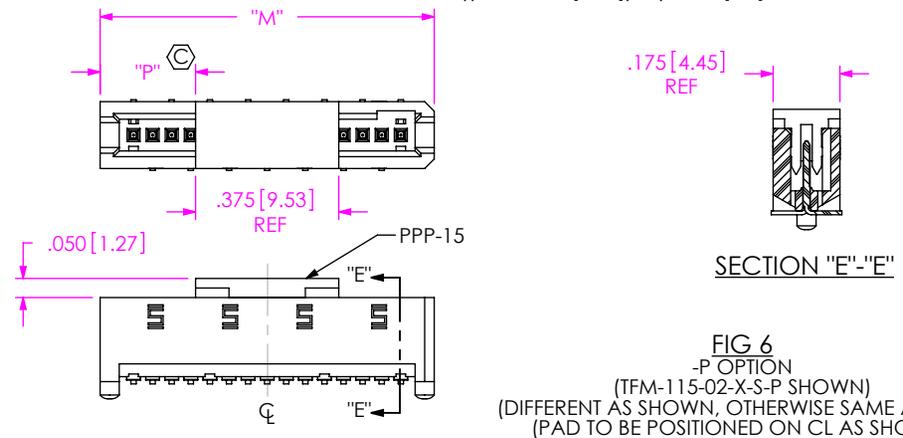


FIG 6  
-P OPTION  
(TFM-115-02-X-S-P SHOWN)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
(PAD TO BE POSITIONED ON CL AS SHOWN)

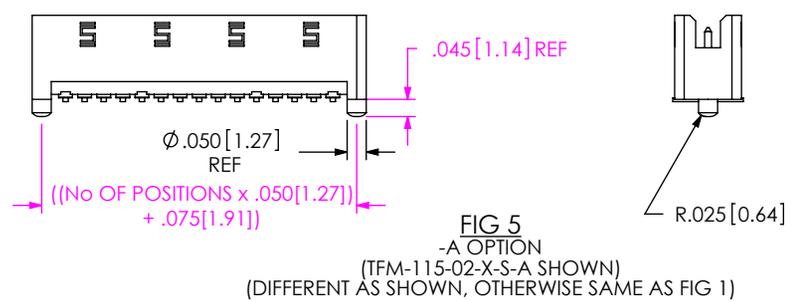


FIG 5  
-A OPTION  
(TFM-115-02-X-S-A SHOWN)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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DO NOT SCALE DRAWING  
SHEET SCALE: 2:1

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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 2 OF 3

