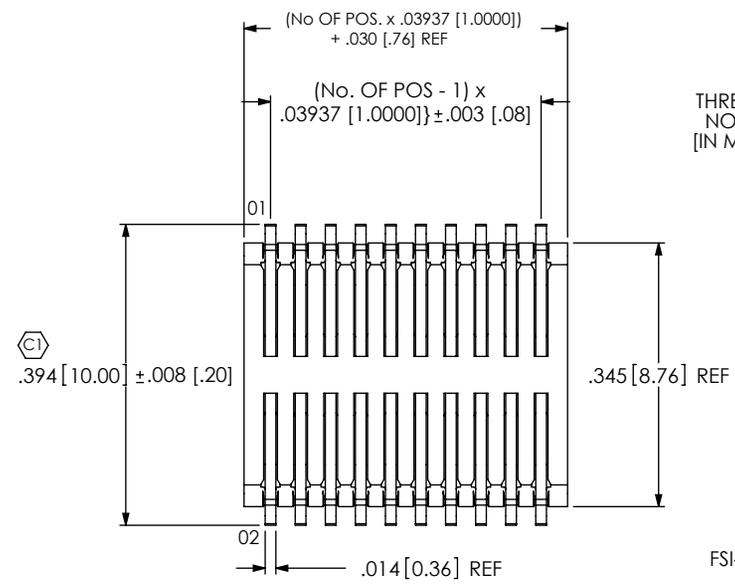


FSI-1XX-03-X-D-X-XX-XX



No OF POSITIONS
 THREADED: -10, -20, -30, -40, -50
 NON-THREADED: -05 THRU -50
 [IN MULTIPLES OF 5] (SEE NOTE 8) **X**

BODY HEIGHT
 -03: 3mm HEIGHT
 (USE C-133-01-X)

PLATING
 -G: GOLD
 (USE C-133-01-G)
 -H: HEAVY GOLD
 (USE C-133-01-H)

ROW SPECIFICATION
 -D: DOUBLE
 (USE FSI-XX-03-D)

OPTIONS

- TR: TAPE & REEL PACKAGING (BLANK FOR TUBED PARTS)
- K: POLYAMIDE FILM PAD (USE K-500-300)(SEE FIGS 4 & 5, SHEET 3)
- SD: SCREW DOWN OPTION (USE THS-4-40-.560-XX)(AVAILABLE ON 10, 20 & 30 POS. WITH -AD ONLY; SEE SHEET 4) (SEE NOTE 7)

OPTION UNAVAILABLE WITH ANY THREADED INSERT OPTION

ALIGNMENT PIN OPTION

- AT: TOP SIDE (USE FSI-XX-03-D-AT-X)
- AB: BOTTOM SIDE (USE FSI-XX-03-D-AB-X)
- AD: DUAL (TOP & BOTTOM) (USE FSI-XX-03-D-AD-X. SEE FIG. 2)
- LC: LOCKING CLIP (NOT TOOLED AT THIS TIME) BLANK FOR NO ALIGNMENT PIN.

THREADED INSERT OPTION

- E: THREADED INSERT (ENGLISH) (USE INS-C-2-56-100, SEE FIG. 3, SHT 2)
 - M: THREADED INSERT (METRIC) (USE INS-C-M2-100-N, SEE FIG. 3, SHT 2)
- LEAVE BLANK FOR NO THREADED INSERT.

*** = NOT RELEASED FOR PRODUCTION**

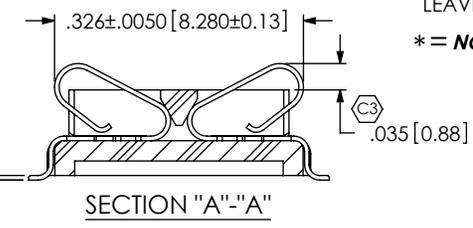
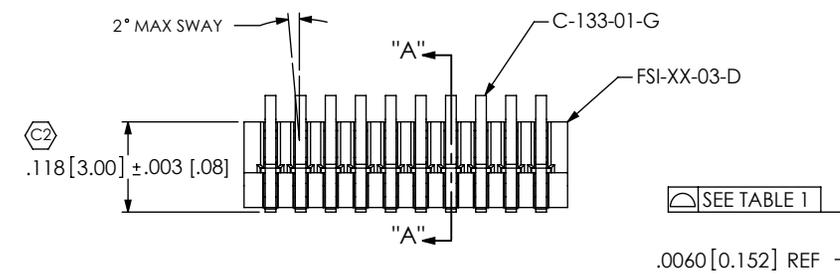
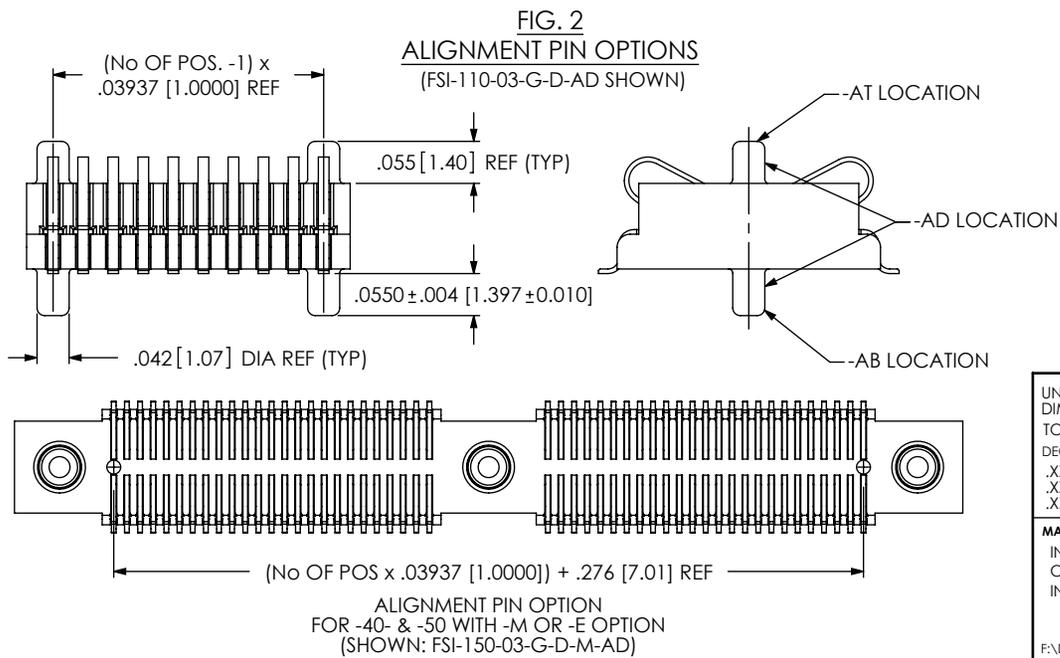
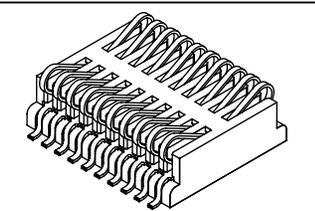
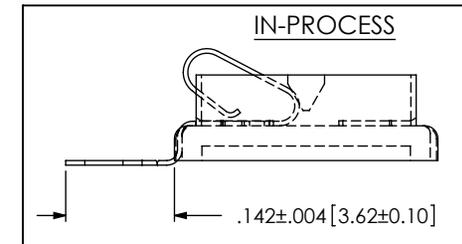


TABLE 1

No. OF POS.	MAX CORNANRITY
0-35	.004 [.10]
40-50	.006 [.15]

NOTES:

1. C1 REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: 12 oz.
3. LOAD INSERTS IN DIRECTION OF THE ARROW USING HAND LOAD THERMAL INSERTION PRESS.
4. THREADED INSERT MUST BE ABLE TO HANDLE 20 in-oz's OF TORQUE MIN WITHOUT ROTATING OR "LOOSENING".
5. THREADED INSERT RETENSION TO BE 7lbs. MIN.
6. THREADED INSERT TO BE FLUSH TO .005[0.13] BELOW HOUSING SURFACE.
7. -SD OPTION: RETENTION TO BE 3lb MIN AND MUST WITHSTAND 6 in-oz's OF TORQUE.
8. APPLICATIONS REQUIRING 40-50 POSITIONS WITHOUT THREADED INSERTS, PLEASE CONTACT SAMTEC INNERCONNECT PROCESSING GROUP.



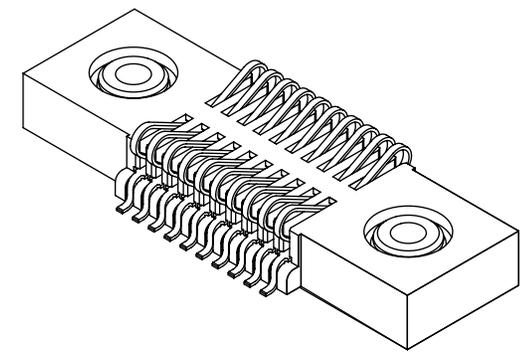
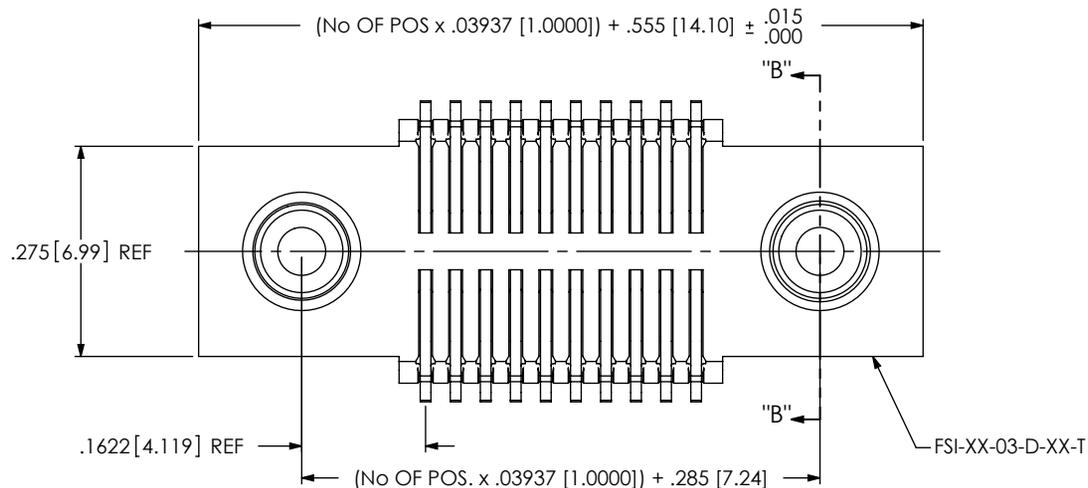
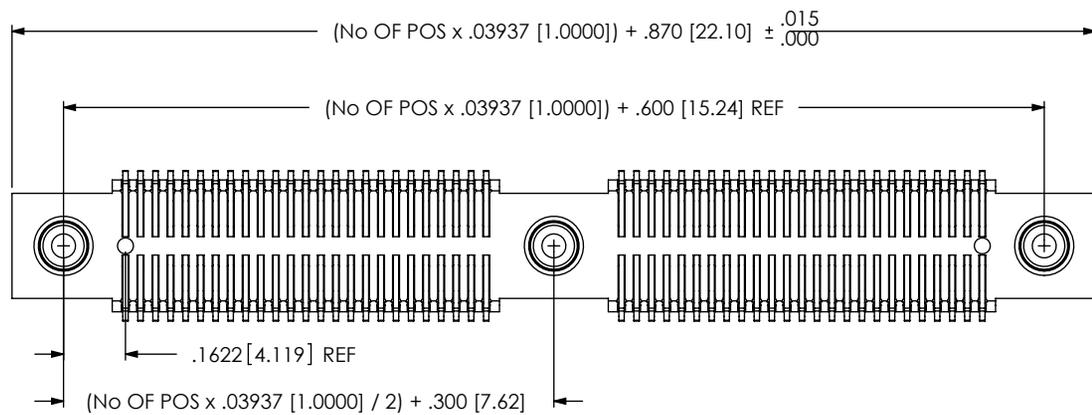


FIG. 3
 -M & -E: THREADED OPTIONS
 (FSI-110-03-G-D-M SHOWN)
 (EQUATIONS APPLY TO -10, -20 & -30 ONLY)



FOR -40 & -50 WITH -M OR -E OPTION
 (SHOWN: FSI-150-03-X-D-M-AD)

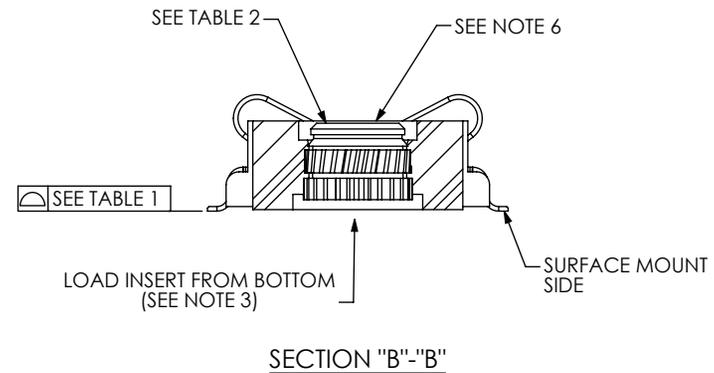
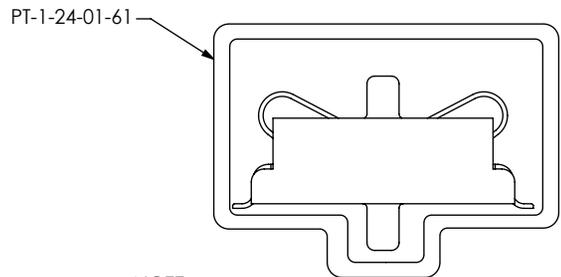


TABLE 2: INSERT OPTION

OPTION	INSERT	THREAD
-E	INS-C-2-56-100	2 x 56
-M	INS-C-M2-100-N	M2.0 x 4

PACKAGING VIEW



NOTE:
 PARTS ARE TO BE PACKAGED IN PT-1-24-01-61 TUBES
 WITH TWO TP-03 PLUGS PER TUBE.

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SHEET SCALE: 4:1

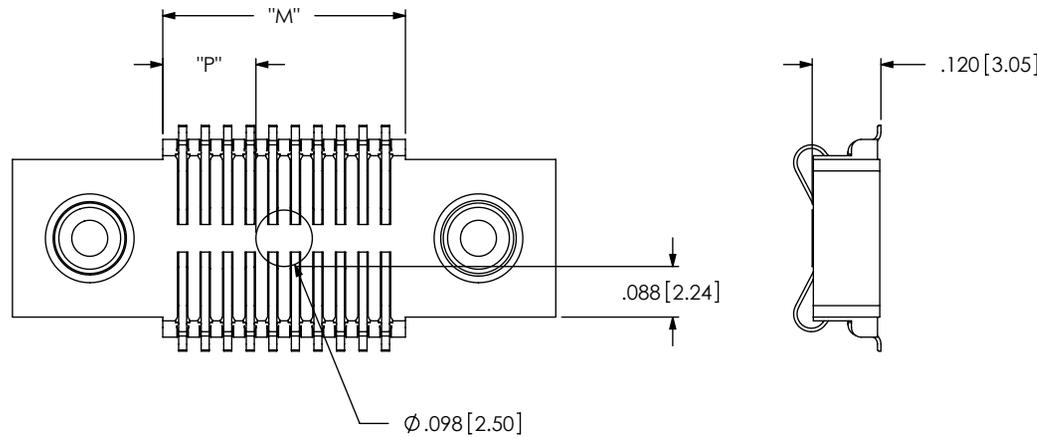
DESCRIPTION:
 1mm SINGLE ELEMENT INTERFACE

DWG. NO.
 FSI-1XX-03-X-D-X-XX-XX

BY: BRATCHER 1/27/99 SHEET 2 OF 4

FIG. 4

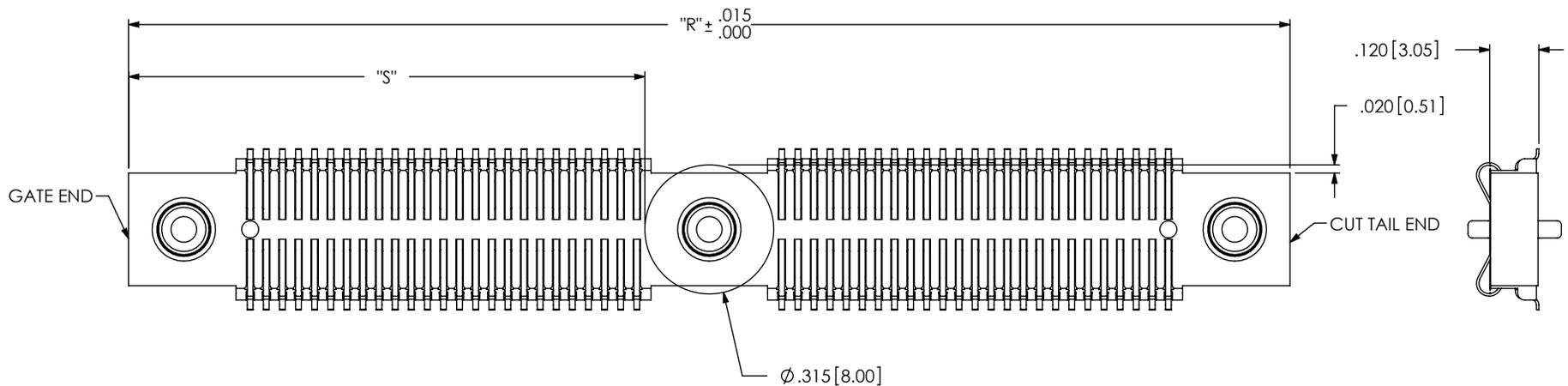
-K: POLYAMIDE FILM PAD
 (.098 [2.50] DIA PAD USED ON ALL POSITIONS
 EXCEPT -40 & -50 POSITIONS WITH
 THREADED INSERT OPTION)



"M" = (No OF POS x .03937[1.000]) + .030[.76] REF
 "P" = {("M" - .098[2.50]) / 2} ± .020[.51]

FIG. 5

-K: POLYAMIDE FILM PAD
 (.315 [8.00] DIA PAD USED ONLY ON
 -40 & -50 POSITIONS WITH
 THREADED INSERT OPTION)



"R" = (No OF POS x .03937[1.000]) + .870[22.10] REF
 "S" = {("R" - .295[7.50]) / 2} ± .020[.51]

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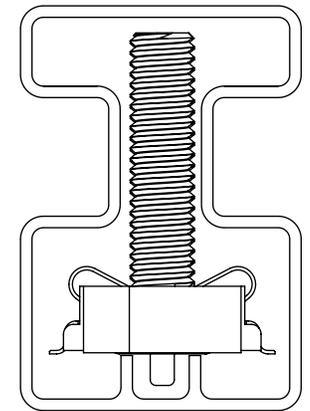
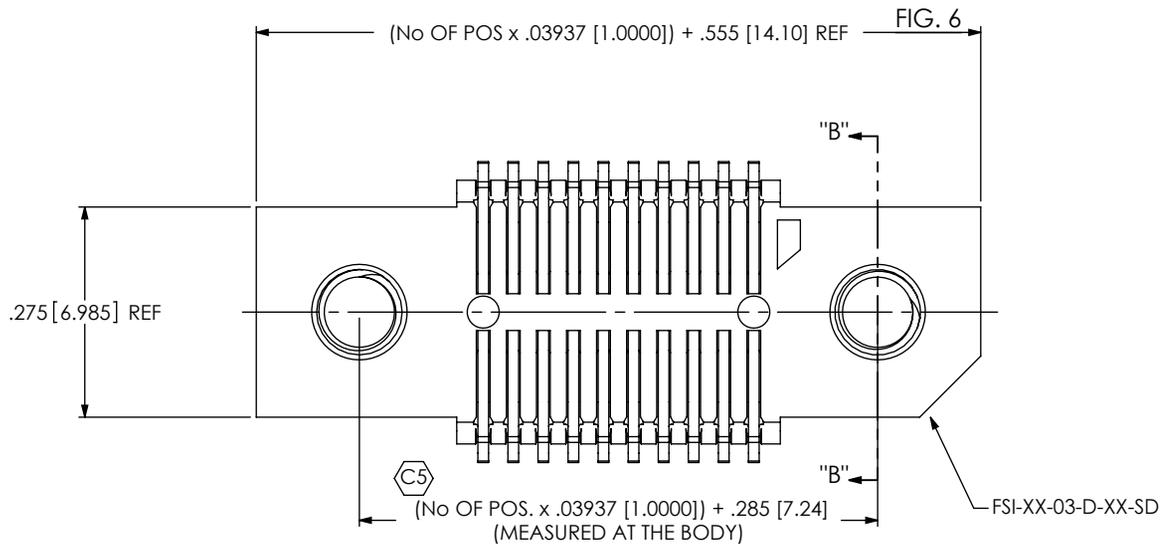
DESCRIPTION:
 1mm SINGLE ELEMENT INTERFACE

DWG. NO.
 FSI-1XX-03-X-D-X-XX-XX

BY: BRATCHER 1/27/99 SHEET 3 OF 4

-SD: SCREW DOWN OPTION
 (FSI-110-03-G-D-AD-SD SHOWN)
 (AVAILABLE IN POS -10, -20 & -30 WITH -AD OPTION ONLY)

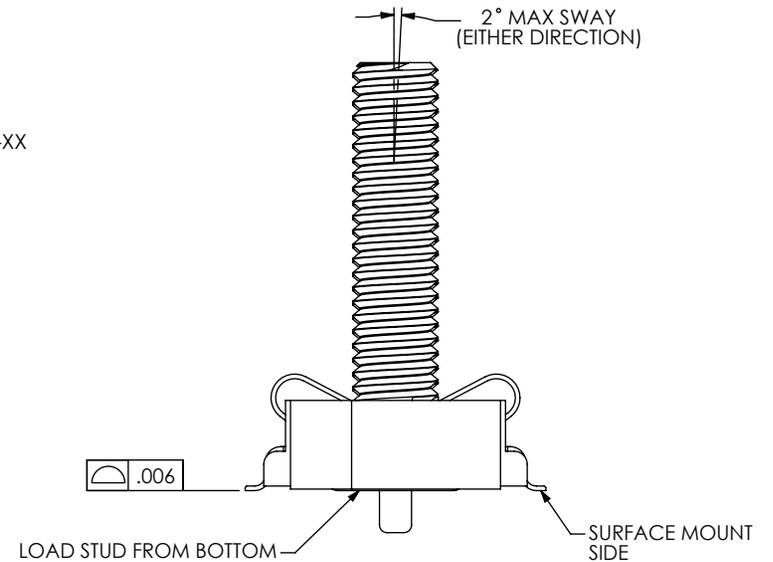
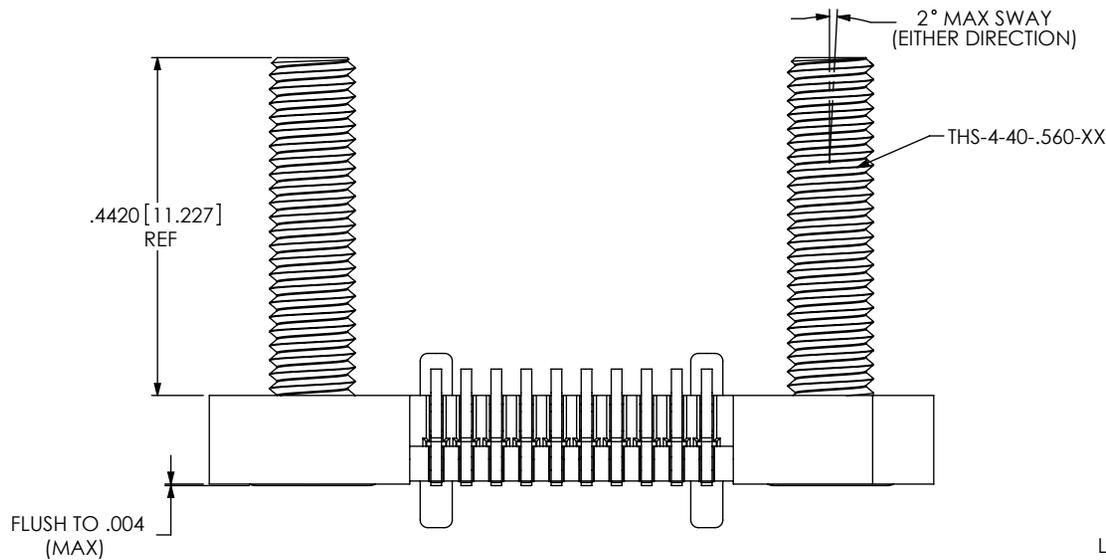
OPTION UNAVAILABLE WITH ANY THREADED INSERT OPTION



PACKAGING VIEW

NOTE:

PARTS ARE TO BE PACKAGED IN PT-FSI001-03-SD TUBES WITH TWO TP-03 PLUGS PER TUBE.



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