

DO NOT SCALE FROM THIS PRINT

TABLE 1	
No. OF POS.	MAX COPLANARITY
0-35	.004 [.10]
40-50	.006 [.15]

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)

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
 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
 ** = NOT TOOLED

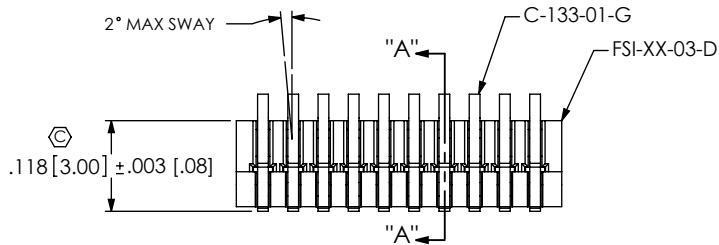
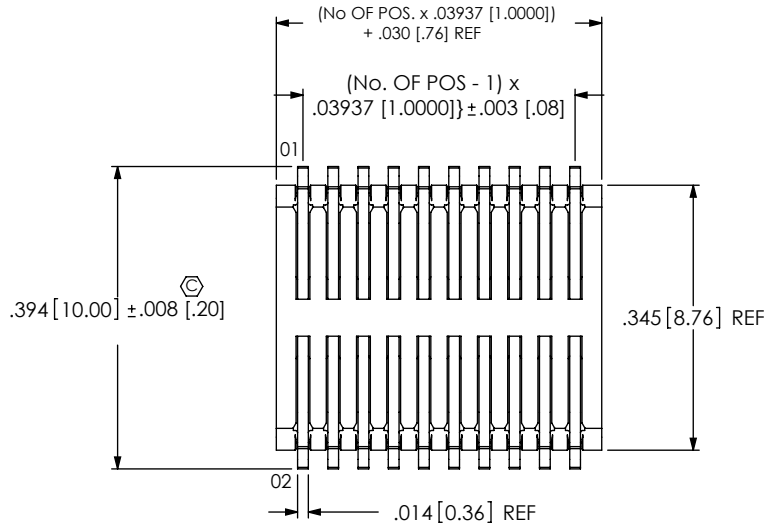
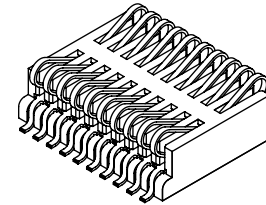
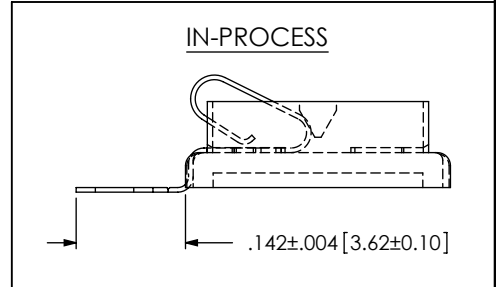
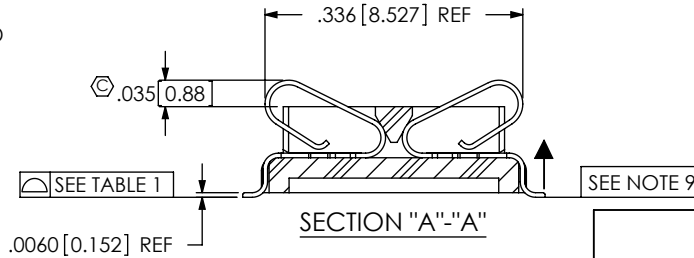


FIG 1
 FSI-110-03-G-D SHOWN



NOTES:

1. Ⓢ 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: RETENSION 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 INERCONNECT PROCESSING GROUP.
9. MAXIMUM ALLOWABLE SHEAR BURR: .003 [.08], IN DIRECTION SHOWN.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
 TOLERANCES ARE:
 DECIMALS ANGLES
 .XX: ±.01 [.2] 2°
 .XXX: ±.005 [.13]
 .XXXX: ±.0020 [.050]

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 4:1
 INSULATOR: VECTRA E130i
 CONTACT: BeCu
 INSERT: BRASS

DESCRIPTION: 1mm SINGLE ELEMENT INTERFACE

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

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



520 PARK EAST BLVD, NEW ALBANY, IN 47150
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 e-Mail: info@SAMTEC.com code: 55322

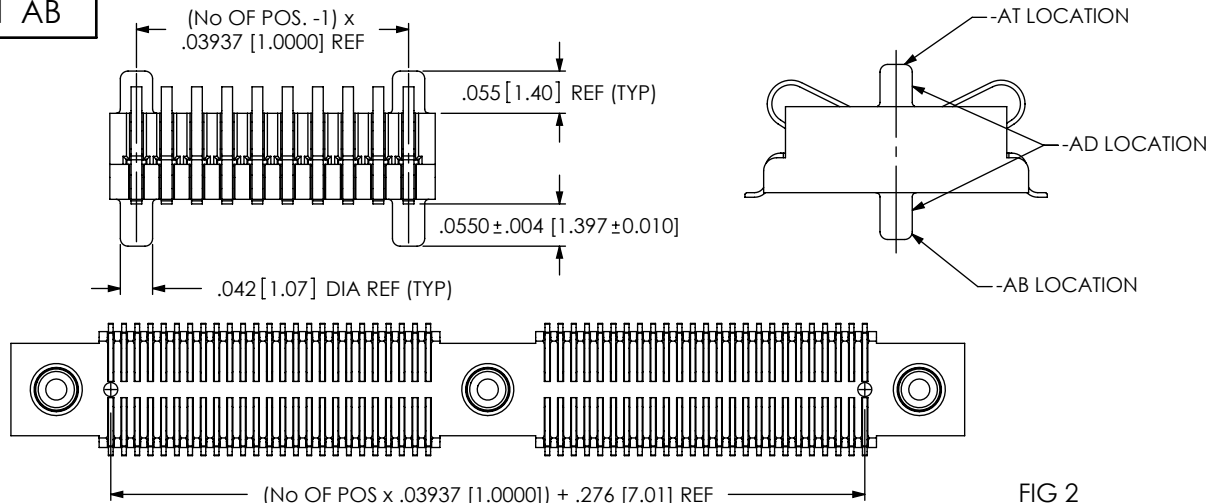
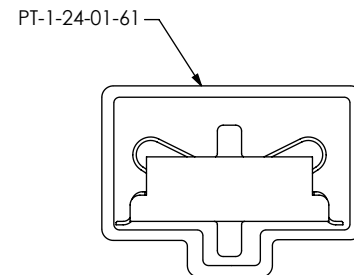
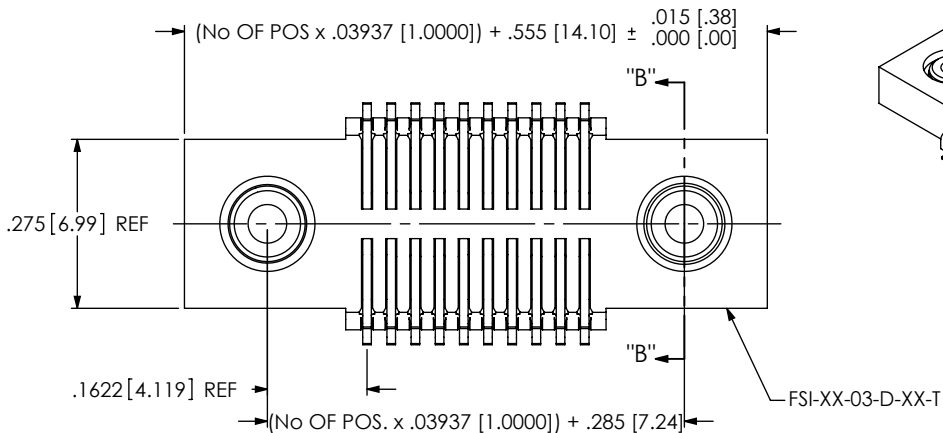


FIG 2
ALIGNMENT PIN OPTIONS
(FSI-110-03-G-D-AD SHOWN)



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



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

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

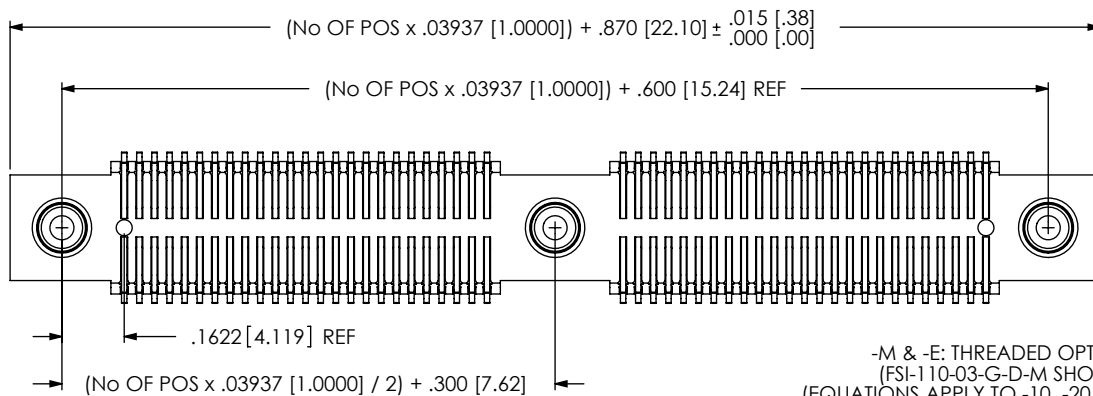
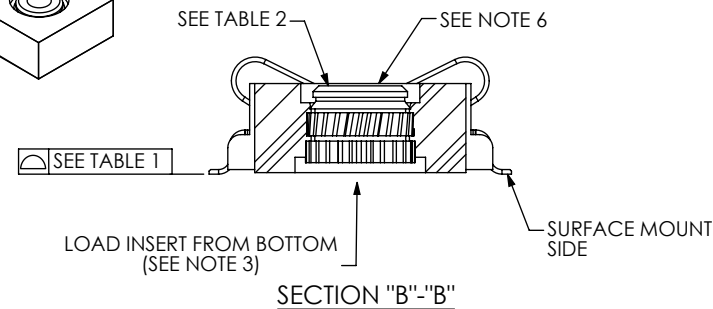


FIG 3
FOR -40- & -50 WITH -M OR -E OPTION
(SHOWN: FSI-150-03-X-D-M-AD)

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DO NOT SCALE DRAWING

SHEET SCALE: 4:1

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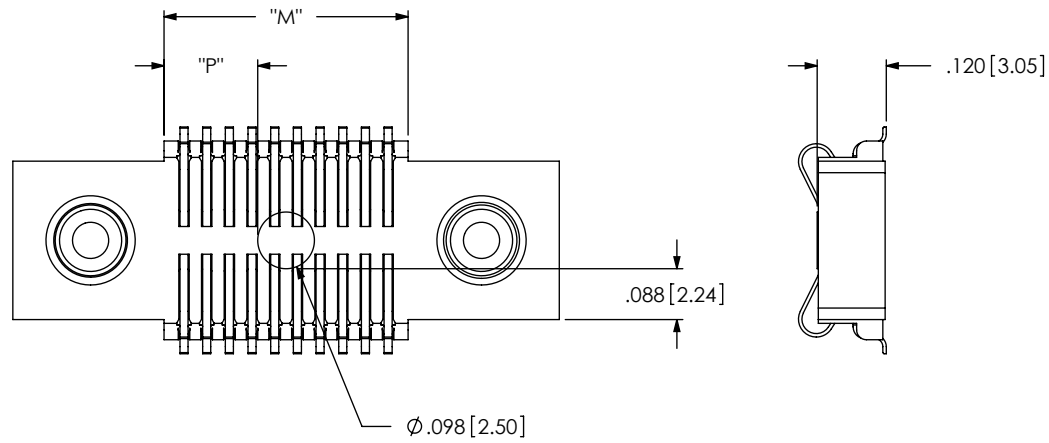
DESCRIPTION: 1mm SINGLE ELEMENT INTERFACE

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

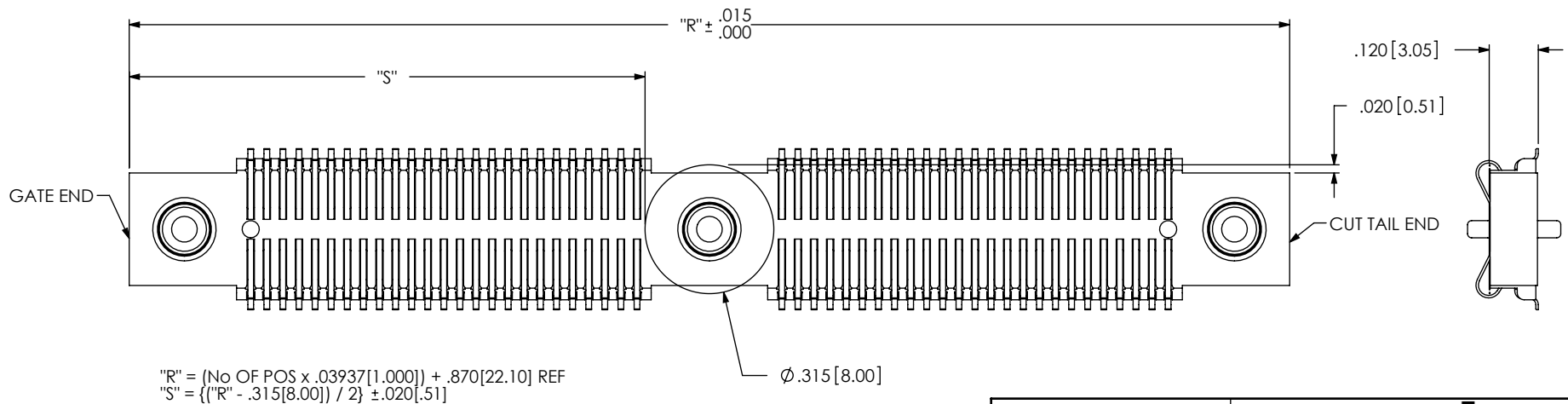
BY: BRATCHER 1/27/99 SHEET 2 OF 4

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]



"R" = (No OF POS x .03937[1.000]) + .870[22.10] REF
 "S" = {("R" - .315[8.00]) / 2} ± .020[.51]

FIG 5

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

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SHEET SCALE: 3:1

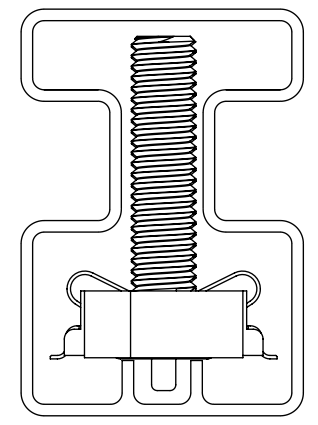
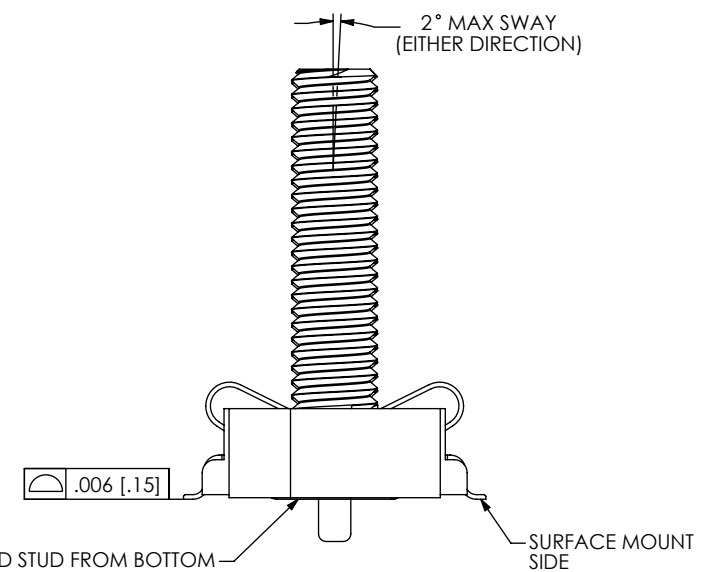
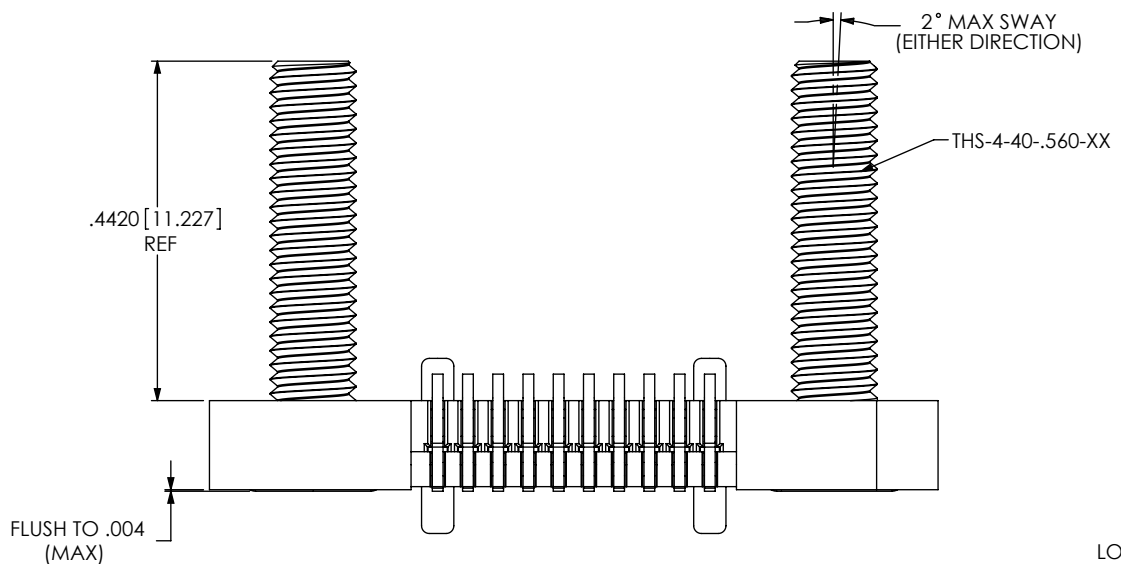
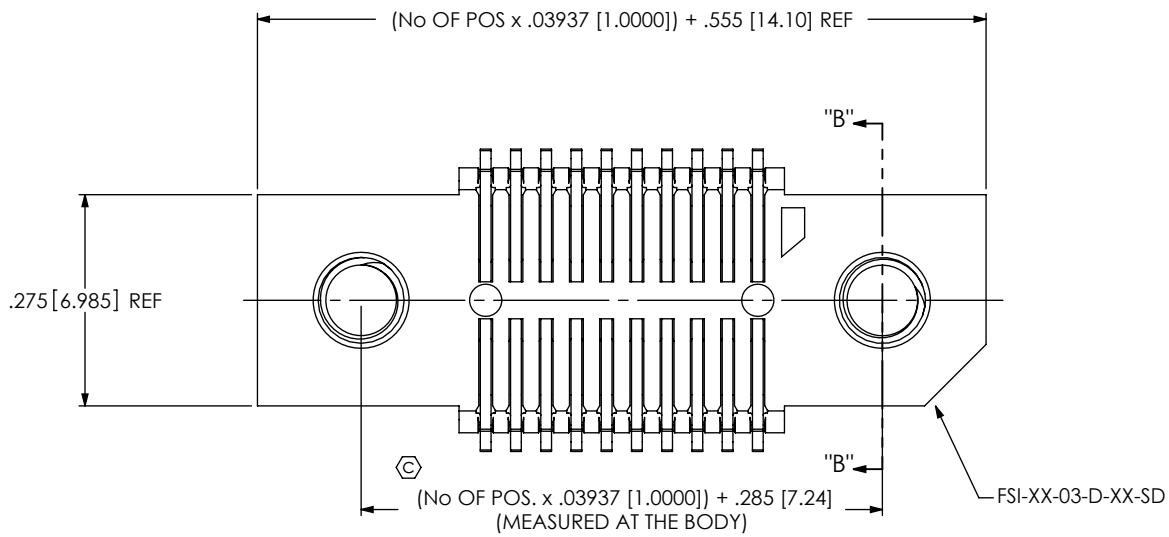


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DESCRIPTION:
 1mm SINGLE ELEMENT INTERFACE

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

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



PACKAGING VIEW

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

FIG 6
-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

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SHEET SCALE: 3:1

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