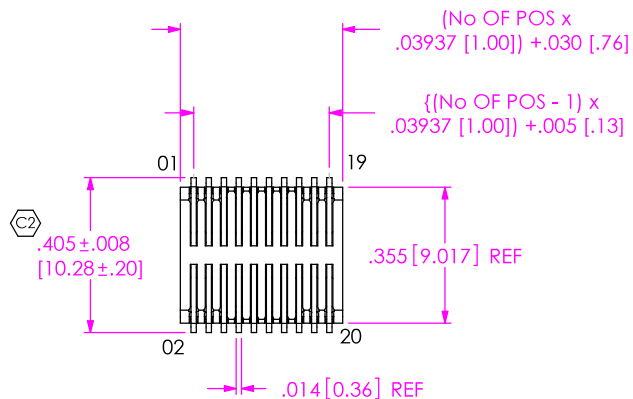


DO NOT SCALE FROM THIS PRINT



NO. OF POSITIONS

THREADED: -10, -20, -25, -30, -40, -50
NON-THREADED: -05 THRU -50
[IN MULTIPLES OF 5]

BODY HEIGHT

-06: 6mm (USE C-133-02-XXX)
-10: 10mm (USE C-133-03-XXX)

PLATING

- L: .00010 GOLD ON CONTACT AREA, .000100-.000250 TIN ON TAIL (USE C-133-XX-L)
- S: .000030 GOLD ON CONTACT AREA, .000100-.000250 TIN ON TAIL (USE C-133-XX-S)
- STL: .000030 GOLD ON CONTACT AREA, .000200 TIN LEAD ON TAIL (USE C-133-XX-STL)
- LTL: .000010 GOLD ON CONTACT AREA, .000200 TIN LEAD ON TAIL (USE C-133-XX-LTL)
- LM: .000010 GOLD ON CONTACT AREA, .000100-.000250 MATTE TIN ON TAIL (USE C-133-XX-L)
- SM: .000030 GOLD ON CONTACT AREA, .000100-.000250 MATTE TIN ON TAIL (USE C-133-XX-S)

OPTION

- TR: TAPE & REEL PACKAGING BLANK FOR TUBED PARTS.
- P: (FOR AVAILABILITY, SEE FIG. 4, SHEET 3)
- K: POLYIMIDE FILM PAD (USE K-500-300) (SEE FIG. 5, SHEET 3) (AVAILABLE ONLY ON POSITIONS 40 & 50 WITH ANY THREADED INSERT OPTIONS)

ALIGNMENT PIN LOCATION

- AT: TOP SIDE (USE FSI-XX-XX-D-AT-X)
- AB: BOTTOM SIDE (USE FSI-XX-XX-D-AB-X)
- AD: DUAL (TOP & BOTTOM) (USE FSI-XX-XX-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-19-2-56-157, SEE FIG. 3, SHT 2)
- M: THREADED INSERT (METRIC) (USE INS-19-M2-157-N, SEE FIG. 3, SHT 2)
- BLANK FOR NON-THREADED INSERT.

ROW SPECIFICATION

- D: DOUBLE ROW (FOR -06 BODY: USE FSI-XX-06-D-XX-X) (FOR -10 BODY: USE FSI-XX-10-D-XX-X)

FIG. 1 (FSI-110-06-XXX-D SHOWN)

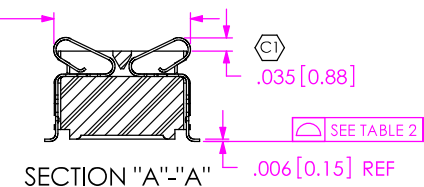
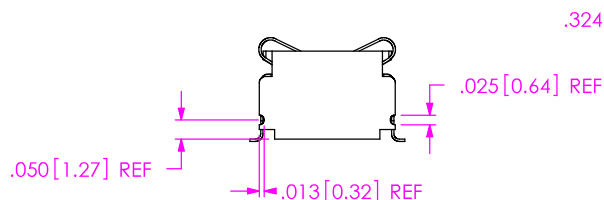
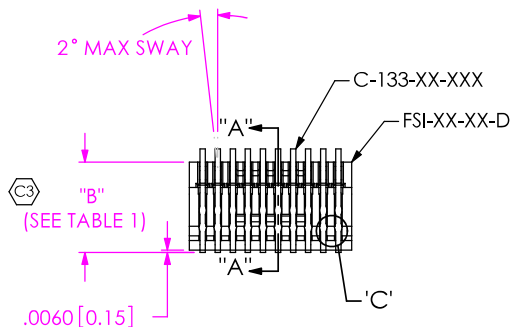
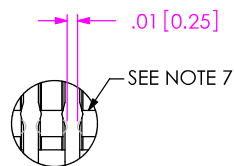


TABLE 1			
BODY HEIGHT	"B"	"C"	"D"
-06	.236 [6.00]	.450 [11.43]	.158 [4.01]
-10	.394 [10.00]	.450 [11.43]	.307 [7.80]

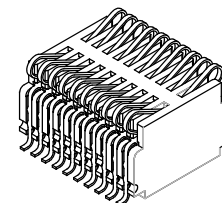
TABLE 2 (C4)	
No. OF POS.	COPLANARITY
0-35	.004 [.10]
40-50	.006 [.15]



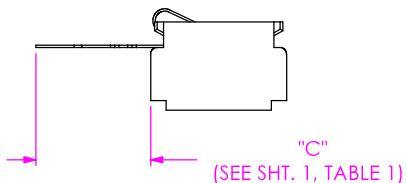
DETAIL 'C' SCALE 5.5 : 1

NOTES:

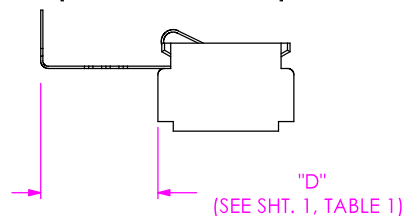
1. (C) REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: 12 oz.
3. LOAD INSERTS IN THE DIRECTION OF THE ARROW USING THERMAL INSERTION MACHINE; FLUSH TO .003 RECESSED.
4. THREADED INSERT MUST BE ABLE TO HANDLE 54 in-oz's OF TORQUE MIN WITHOUT ROTATING OR "LOOSENING".
5. THREADED INSERT RETENTION TO BE 50 lb MIN.
6. FOR -05 POS WITH -PPP OPTION, LEADS MAY NOT BE VISIBLE BY SOME OPTICAL MACHINES.
7. HOT BAR FORM AFTER ASSEMBLY (WILL PRODUCE RETENTION FLANGE AS SHOWN).



IN-PROCESS
[SHOWN WITH CARRIER]



IN-PROCESS 2
[SHOWN WITH CARRIER]



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES
.XX: ±.01 [.25] 2°
.XXX: ±.005 [.13]
.XXXX: ±.0020 [.05]

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1

INSULATOR: LCP, COLOR: BLACK
CONTACTS: C-133-02-X; BeCu
C-133-03-X; BeCu

INSERT: BRASS

F:\DWG\MISC\MKTG\FSI-1XX-XX-XXX-D-X-XX-XX-MKT.SLDDRW

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520 PARK EAST BLVD, NEW ALBANY, IN 47150
* PHONE: 812.944.6733 FAX: 812.948.5047
e-Mail: INFO@SAMTEC.COM CODE: 55322

DESCRIPTION:
1mm SINGLE ELEMENT INTERFACE

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

BY: BRATCHER 1/29/99 SHEET 1 OF 3

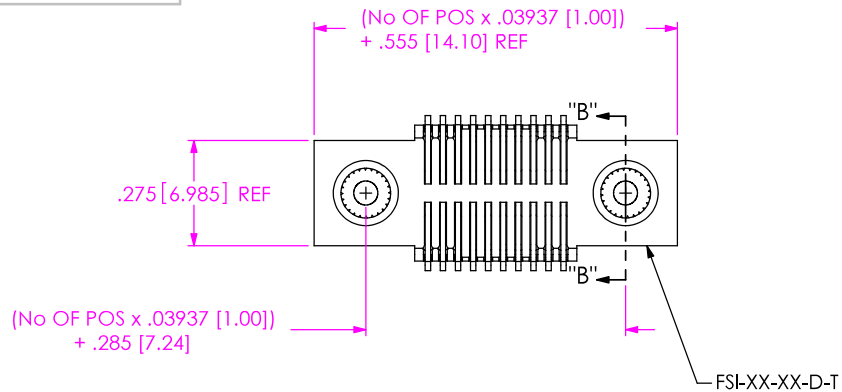
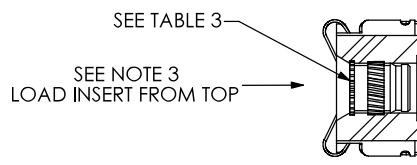


FIG. 3
-M & -E: THREADED OPTIONS
(FSI-110-06-L-D-M SHOWN)
(EQUATIONS APPLY TO -10, -20, -25 & -30 ONLY)



SECTION "B"-"B"

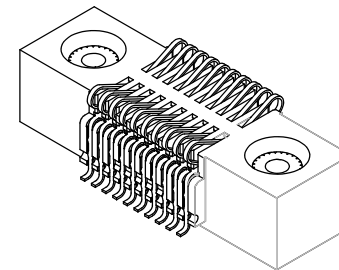
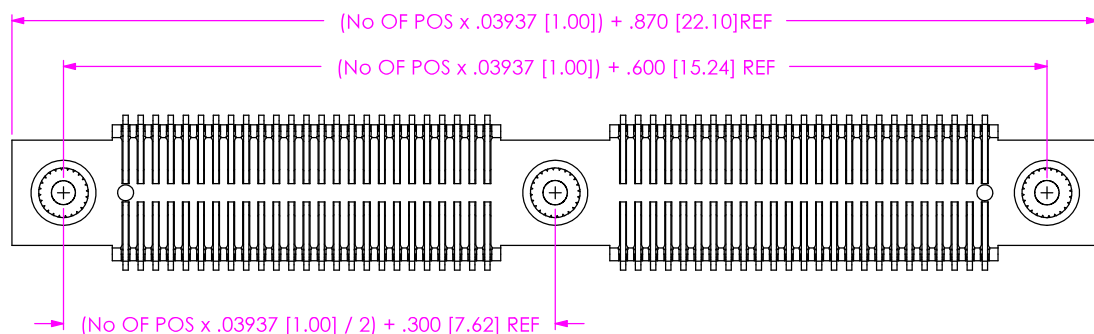


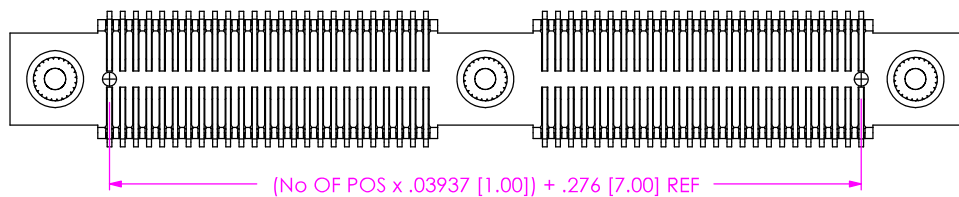
TABLE 3: THREADED INSERT		
OPTION	INSERT	THREAD
-E	INS-19-2-56-157	2 X 56
-M	INS-19-M2-157-N	M2.0 x 4

**** METRIC THREADED INSERTS TO BE FLASH NICKEL PLATED**



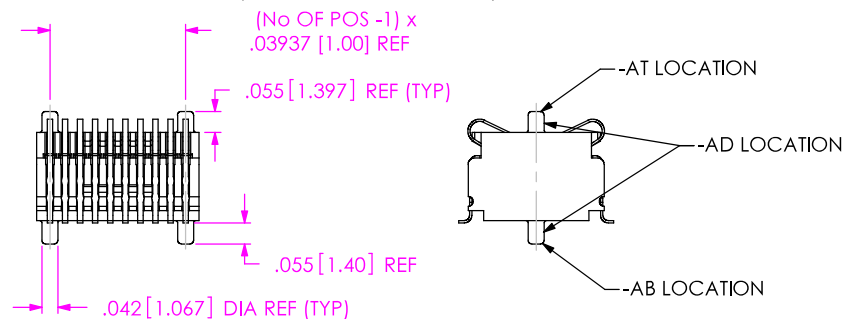
FOR -40- & -50 WITH -M OR -E OPTION
(FSI-150-06-L-D-AD-M SHOWN)

FIG. 2
ALIGNMENT PIN OPTIONS
(FSI-110-06-L-D-AD SHOWN)



AK

ALIGNMENT PIN OPTION
FOR -40- & -50 WITH -M OR -E OPTION
(FSI-150-XX-L-D-AD-M SHOWN)



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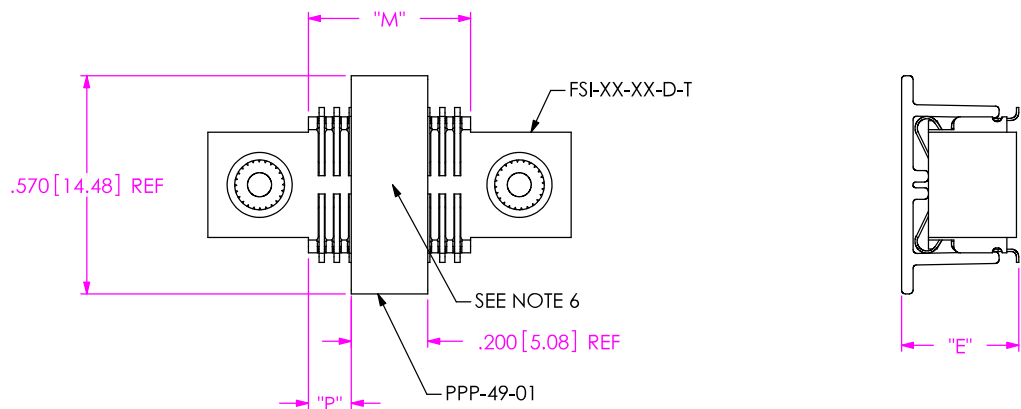
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e-Mail: INFO@SAMTEC.COM CODE: 55322

DESCRIPTION:
1mm SINGLE ELEMENT INTERFACE
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FSI-1XX-XX-XXX-D-X-XX-XX
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FIG. 4

-P: PICK & PLACE PAD OPTION
(FSI-110-06-L-D-M SHOWN)
NOT AVAILABLE ON 5 POSITION

NOT AVAILABLE IF POSITION IS 05 AND LEAD STYLE IS 06

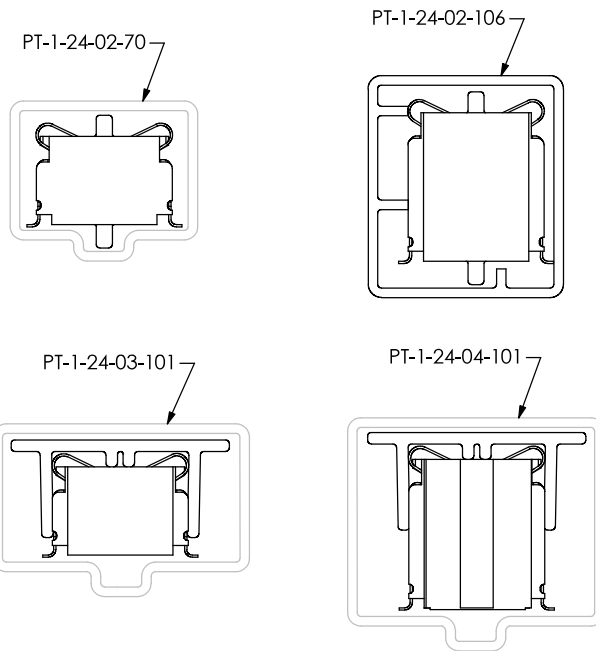


FOR 10 THRU 50 POSITIONS WITH -M OR -E OPTION,
-10 THRU -50 WITHOUT -M OR -E OPTION

"M" = (No OF POS x .03937[1.000]) + .030[.76] REF
"P" = {"M" - .200[5.08]} / 2 ± .020[.51]

TABLE 4

BODY HEIGHT	"E"	"F"
-06	.306 [7.77]	.241 [6.12]
-10	.464 [11.79]	.399 [10.13]



PACKAGING TABLE

BODY HEIGHT	TUBE	PLUG
-06	PT-1-24-02-70	TP-29
-10	PT-1-24-02-106	TP-13
-06-P	PT-1-24-03-101	TP-03
-10-P	PT-1-24-04-101	TP-13

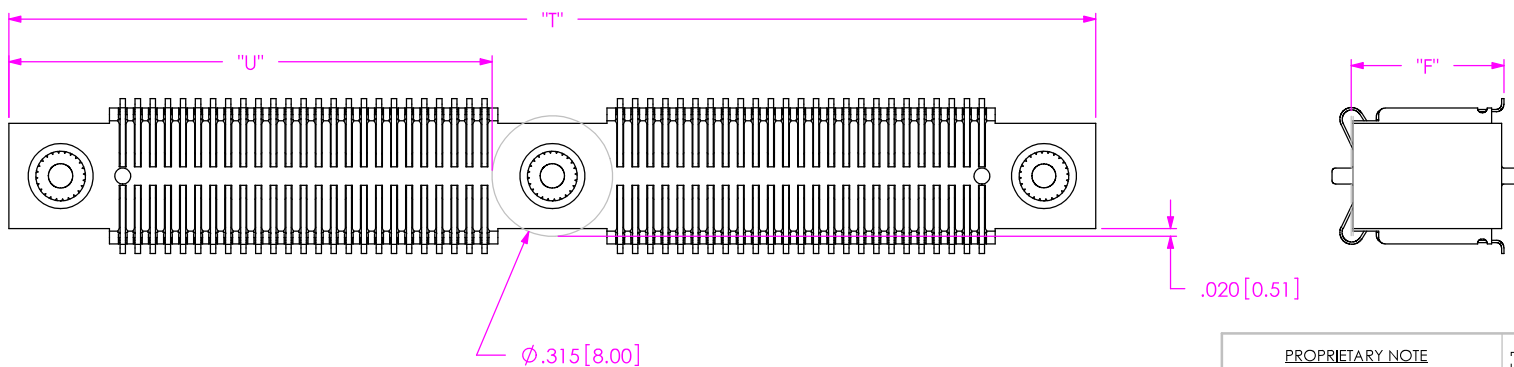


FIG. 5

-K: POLYAMIDE FILM PAD
(USE K-500-300)
(AVAILABLE ONLY ON POSITIONS
40 & 50 WITH -M OR -E OPTION)

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

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