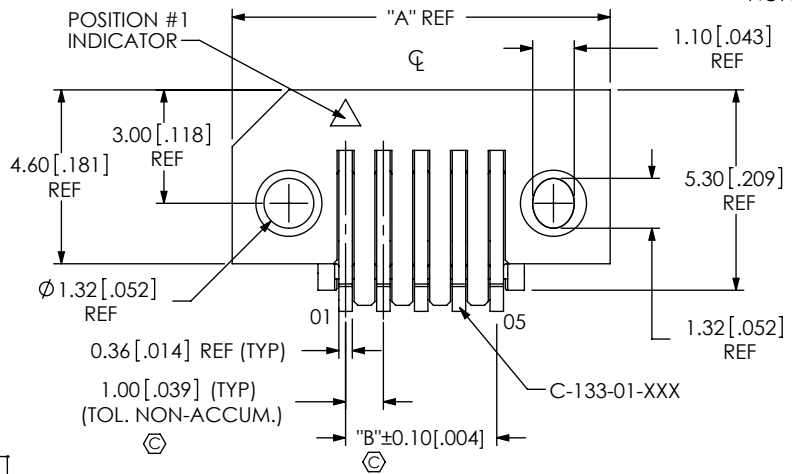
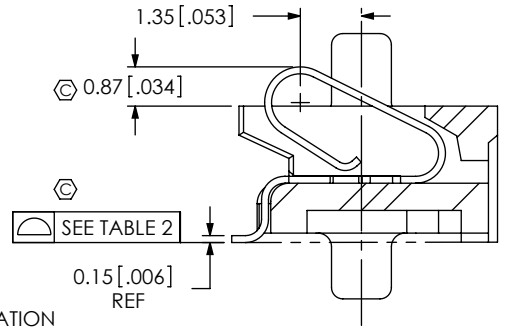
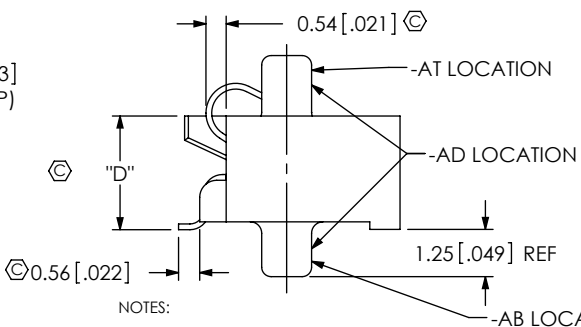
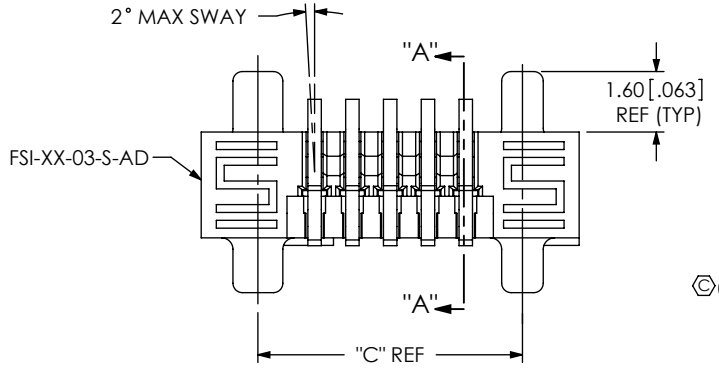


DESIGNED & DIMENSIONED
IN MILLIMETERS [INCHES]



DO NOT
SCALE FROM
THIS PRINT



SECTION "A"-"A"
SCALE 6 : 1

- FSI-1XX-XX-X-S-X-XX-XX-X-XX
- No OF POSITIONS
THREADED: -10, -20, -30, -40, -50
NON-THREADED: -05 THRU -50
[IN MULTIPLES OF 5]
 - BODY HEIGHT
-03: 3mm (USE C-133-01-XXX)
-06: 6mm (USE C-133-02-XXX)
-10: 10mm (USE C-133-03-XXX)
 - PLATING SPECIFICATION
-L: 10µ" MIN Au/50µ" Ni IN CONTACT, TIN ON TAIL (-06 & -10 BODY HEIGHT ONLY)
-S: 30µ" MIN Au/50µ" Ni IN CONTACT, TIN ON TAIL (-06 & -10 BODY HEIGHT ONLY)
-G: 10µ" MIN Au/50µ" Ni IN CONTACT, 3µ" MIN Au/50µ" Ni ON TAIL (-03 BODY HEIGHT ONLY)
-H: 30µ" MIN Au/50µ" Ni IN CONTACT, 3µ" MIN Au/50µ" Ni ON TAIL (-03 BODY HEIGHT ONLY)
 - ROW SPECIFICATION
-S: SINGLE ROW
 - PACKAGING (SEE NOTES 11 & 12)
BLANK: TUBES (SEE NOTE 10)
-TR: TAPE & REEL PACKAGING.
-FR: FULL REEL QTY TAPE & REEL
 - PAD
-K: POLYIMIDE FILM PAD (USE K-DOT-.256-.375-.005) (AVAILABLE ONLY ON POSITIONS 40 & 50 WITH ANY THREADED INSERT OPTIONS)
 - OPTION
-WT: WELD TAB (SEE FIG 2) (USE WT-54-01-X) (FOR -06 & -10 HEIGHT OPTIONS) (NOT AVAILABLE WITH THREADED INSERT OPTION)
 - ALIGNMENT PIN LOCATION
-AT: TOP SIDE (USE FSI-XX-XX-S-AT-X)
-AB: BOTTOM SIDE (USE FSI-XX-XX-S-AB-X)
-AD: DUAL (TOP & BOTTOM) (USE FSI-XX-XX-S-AD-X) (BLANK FOR NO ALIGNMENT PIN)
 - THREADED INSERT OPTION
-XX: BLANK FOR NON-THREADED INSERT
-E: THREADED INSERT (SEE TABLE 6, SHT 3)
-M: THREADED INSERT (SEE TABLE 6, SHT 3)

- NOTES:
1. C REPRESENTS A CRITICAL DIMENSION.
 2. MINIMUM PUSHOUT FORCE: 8 oz.
 3. LOAD INSERTS IN THE DIRECTION OF THE ARROW USING THERMAL INSERTION.
THREADED INSERT BODY HEIGHT: -03 TO BE FLUSH TO 0.13[.005] BELOW HOUSING SURFACE.
BODY HEIGHT: -06 AND -10 TO BE FLUSH TO 0.90[.035] BELOW HOUSING SURFACE.
 4. THREADED INSERT OPTION WITH -03 BODY HEIGHT MUST BE ABLE TO HANDLE 20 in-oz's OF TORQUE MIN WITHOUT ROTATING OR "LOOSENING", WITH -06 & -10 BODY HEIGHT MUST BE ABLE TO HANDLE 54 in-oz's OF TORQUE MIN WITHOUT ROTATING OR "LOOSENING".
 5. MINIMUM THREADED INSERT RETENTION: -03 BODY HEIGHT: 7 lbs, -06 & -10 BODY HEIGHT: 50 lbs.
 6. NOTE DELETED.
 7. HEAT STAKE FORM WILL PRODUCE RETENTION FLANGE AS SHOWN, GAP TO BE 0.25[.010] MAX AFTER ASSEMBLY. ONLY FOR -06 & -10 BODY HEIGHT.
 8. NOT RECOMMENDED FOR INVERTED REFLOW SOLDER.
 9. NOTE DELETED
 10. TUBES ARE STANDARD PACKAGING
 11. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM
 12. ATTACH LABEL TO EACH REEL

TABLE 3

BODY HEIGHT	"D"
-03	3.00 [0.118]
-06	6.00 [0.236]
-10	10.00 [0.394]

TABLE 2

No. OF POS.	COPLANARITY
-05 THRU -35	0.10 [0.004]
-40 THRU -50	0.15 [0.006]

FIG 1
(FSI-105-03-X-S-AD-TR SHOWN)

TABLE 1

No. OF POS	"A"	"B"	"C"
-05	10.00 [0.394]	4.000 [0.1575]	7.000 [0.2756]
-10	15.00 [0.591]	9.000 [0.3543]	12.000 [0.4724]
-15	20.00 [0.787]	14.000 [0.5512]	17.000 [0.6693]
-20	25.00 [0.984]	19.000 [0.7480]	22.000 [0.8661]
-25	30.00 [1.181]	24.000 [0.9449]	27.000 [1.0630]
-30	35.00 [1.378]	29.000 [1.1417]	32.000 [1.2598]
-35	40.00 [1.575]	34.000 [1.3386]	37.000 [1.4567]
-40	45.00 [1.772]	39.000 [1.5354]	42.000 [1.6535]
-45	50.00 [1.969]	44.000 [1.7323]	47.000 [1.8504]
-50	55.00 [2.165]	49.000 [1.9291]	52.000 [2.0472]

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. TOLERANCES ARE:
DECIMALS ANGLES
X.X: ±0.3 [0.1]
X.XX: ±0.13 [0.05]
X.XXX: ±0.051 [0.020]

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e-Mail: info@SAMTEC.com code 53322

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1:0.2
INSULATOR: LCP COLOR: BLACK.
CONTACT: BeCu
INSERT: BRASS

DESCRIPTION:
1mm SINGLE ELEMENT INTERFACE
DWG. NO.
FSI-1XX-XX-X-S-X-XX-XX-X-XX

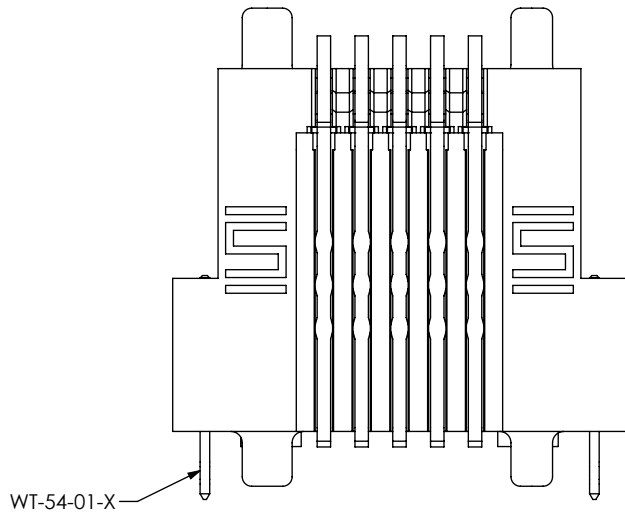
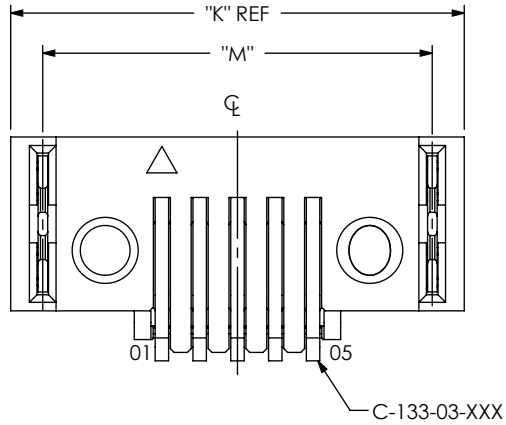
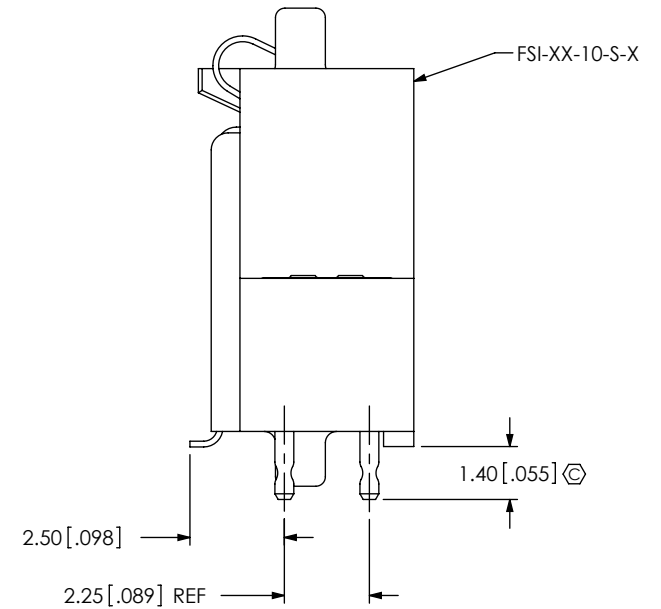


FIG 2
-WT OPTIONS
(FSI-105-10-X-S-AD-WT SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)
(FOR -06 & -10 HEIGHT ONLY)
(NOT AVAILABLE WITH THREADED INSERT OPTION)

TABLE 4		
No. OF POS	"K"	"M"
-05	12.00 [0.472]	10.305 [0.4057]
-10	17.00 [0.669]	15.305 [0.6026]
-15	22.00 [0.866]	20.305 [0.7994]
-20	27.00 [1.063]	25.305 [0.9963]
-25	32.00 [1.260]	30.305 [1.1931]
-30	37.00 [1.457]	35.305 [1.3900]
-35	42.00 [1.654]	40.305 [1.5868]
-40	47.00 [1.850]	45.305 [1.7837]
-45	52.00 [2.047]	50.305 [1.9805]
-50	57.00 [2.244]	55.305 [2.1774]



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e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
1mm SINGLE ELEMENT INTERFACE

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

BY: ROY LUO 06/14/2010 SHEET 2 OF 6

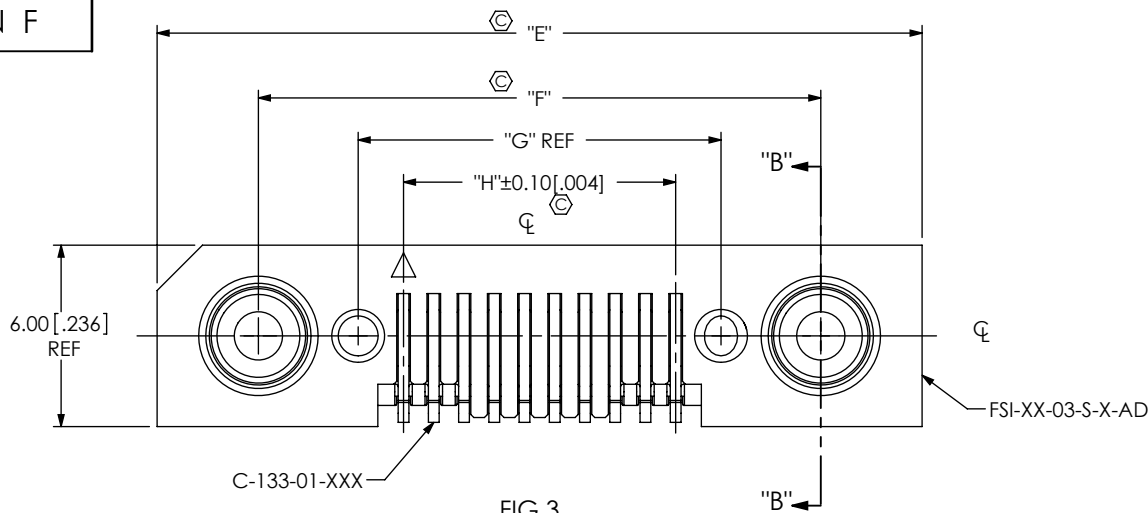
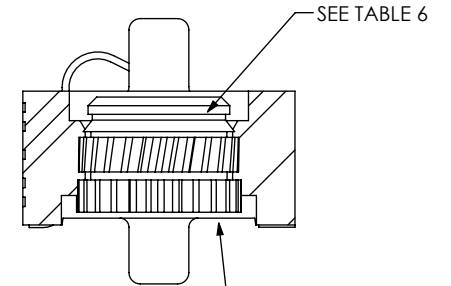


FIG 3
-M & -E THREADED OPTIONS
(FSI-110-03-X-S-X-AD-TR SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)
(FOR -10, -20 & -30 POS ONLY)



LOAD INSERT
FROM BOTTOM
(SEE NOTE 3)

SECTION "B"-"B"
SCALE 6 : 1

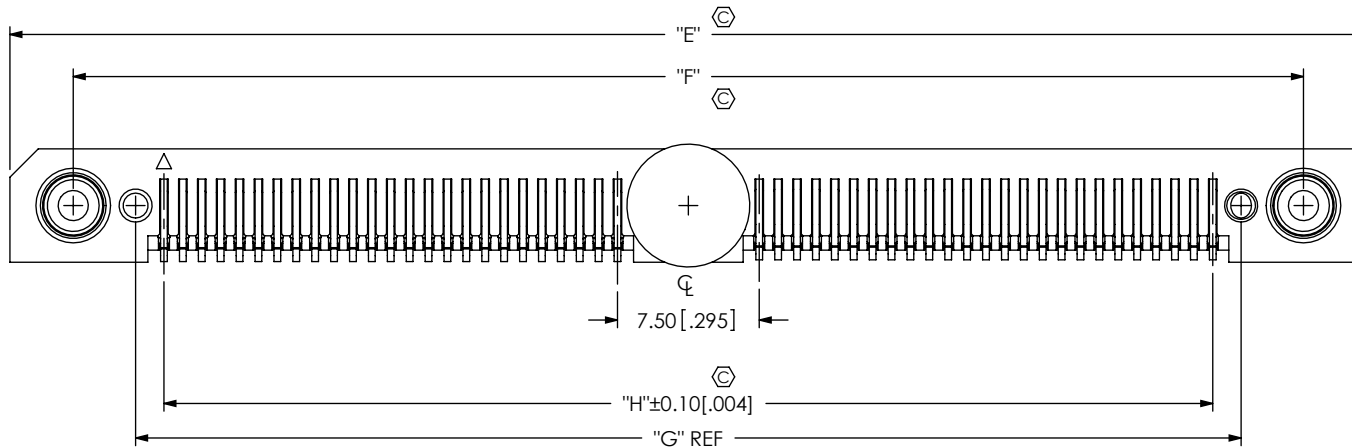


FIG 4
-M & -E THREADED OPTIONS
(FSI-150-03-X-S-X-AD-K SHOWN)
(SAME AS FIG 3, EXCEPT AS SHOWN)
(FOR -40 & -50 POS ONLY)

TABLE 5

No. OF POS	"E"	"F"	"G"	"H"
-10	25.30 [0.996]	18.60 [0.732]	12.000 [0.4724]	9.000 [0.3543]
-20	35.30 [1.390]	28.60 [1.126]	22.000 [0.8661]	19.000 [0.7480]
-30	45.30 [1.783]	38.60 [1.520]	32.000 [1.2598]	29.000 [1.1417]
-40	61.80 [2.433]	55.10 [2.169]	48.500 [1.9094]	45.500 [1.7913]
-50	71.80 [2.827]	65.10 [2.563]	58.500 [2.3031]	55.500 [2.1850]

c:\enterprise\vauf\DWG\MISC\MKTG\FSI-1XX-XX-X-S-X-XX-XX-X-XX-MKT.SLDDRW

TABLE 6

OPTION	BODY HEIGHT	INSERT	THREADED
-E	-03	INS-C-2-56-100	2 x 56
	-06 & -10	INS-19-2-56-157	2 x 56
-M	-03	INS-C-M2-100-N	M2.0 x 4
	-06 & -10	INS-19-M2-157-N	M2.0 x 4

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DESCRIPTION: 1mm SINGLE ELEMENT INTERFACE

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

BY: ROY LUO 06/14/2010 SHEET 3 OF 6

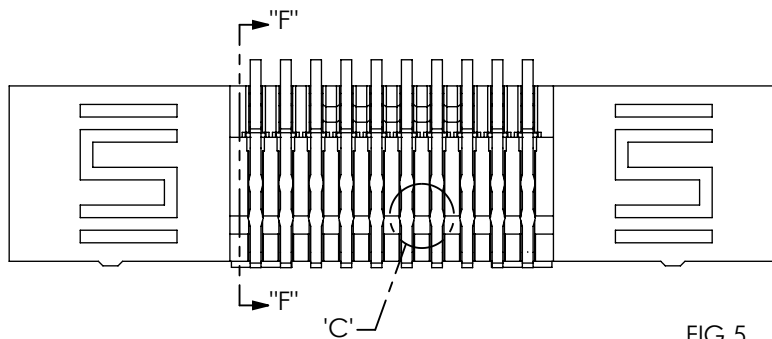
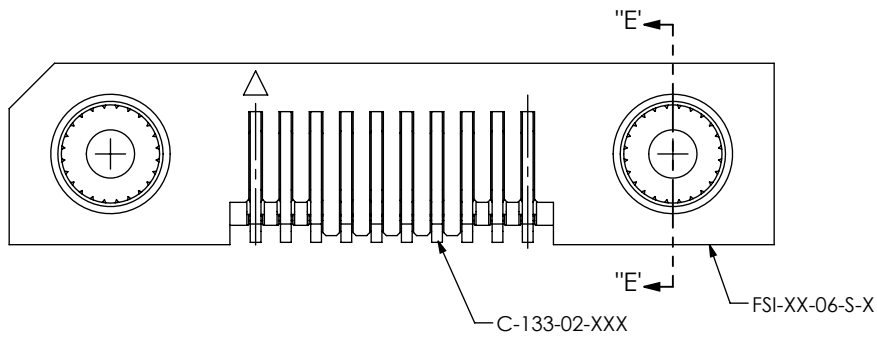
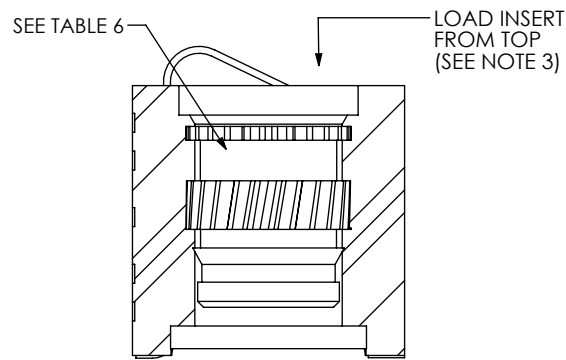
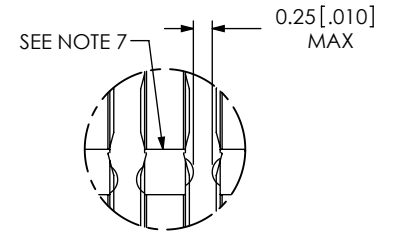


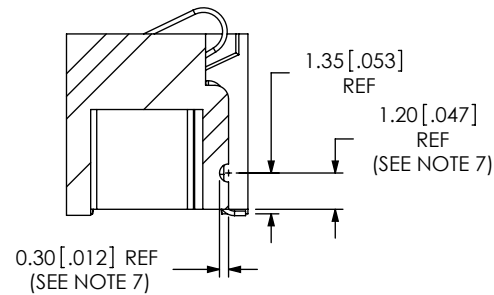
FIG 5
(FSI-110-06-X-S-X-TR SHOWN)
(SAME AS FIG 3, EXCEPT AS SHOWN)
(FOR -10, -20 & -30 POS ONLY)



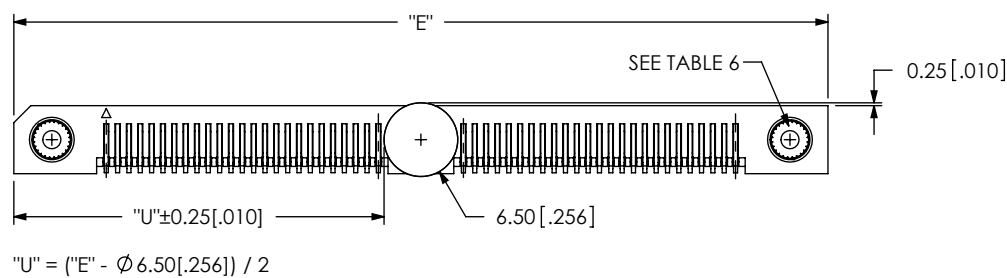
SECTION "E"-"E"
SCALE 6 : 1



DETAIL "C"
SCALE 10 : 1



SECTION "F"-"F"
SCALE 4 : 1



"U" = ("E" - Ø 6.50 [.256]) / 2

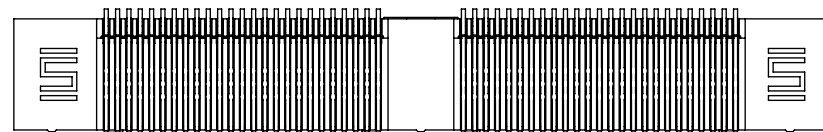


FIG 6
(FSI-150-10-X-S-X-K SHOWN)
(SAME AS FIG 5, EXCEPT AS SHOWN)
(FOR -40 & -50 POS ONLY)

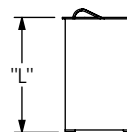


TABLE 9	
BODY HEIGHT	"L"
-3	3.13 [0.123]
-06	6.13 [0.241]
-10	10.13 [0.399]

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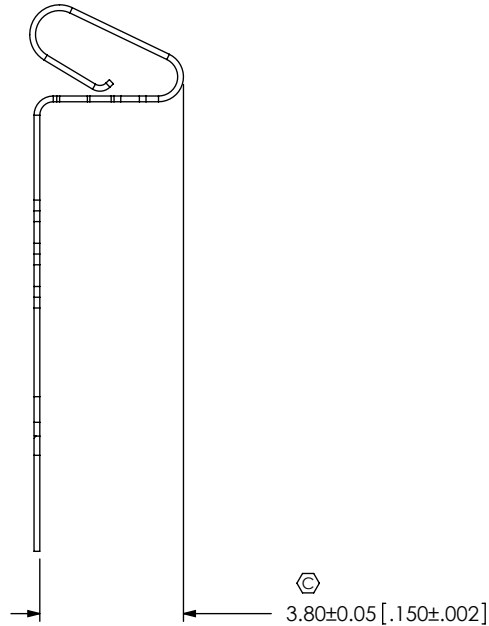


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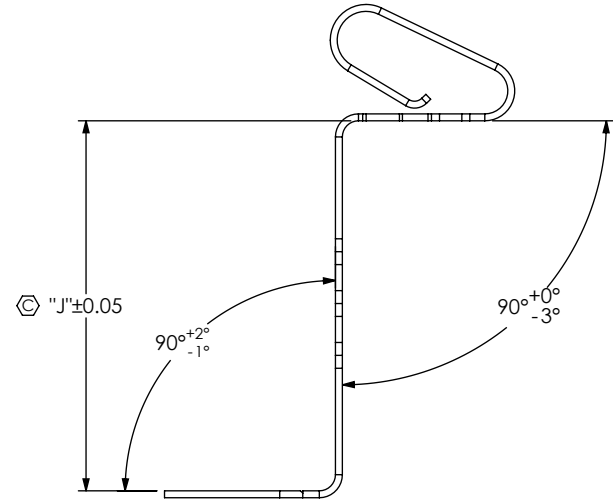
DESCRIPTION: 1mm SINGLE ELEMENT INTERFACE

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

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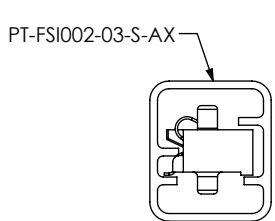


IN-PROCESS 1
(FROM (1) CONTACT C-133-XX-X)
(FOR -06, -10 BODY HEIGHT)

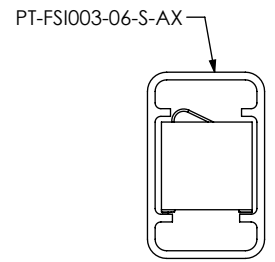


IN-PROCESS 2
(FROM (2) CONTACT C-133-XX-X)
(FOR -06, -10 BODY HEIGHT)

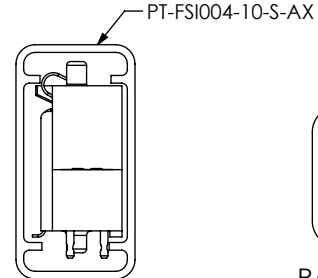
TABLE 8	
BODY HEIGHT	"J"
-06	4.15 [0.163]
-10	8.15 [0.321]



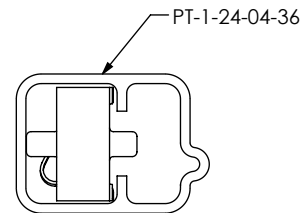
PACKAGING VIEW
FSI-1XX-03-X-S-XX



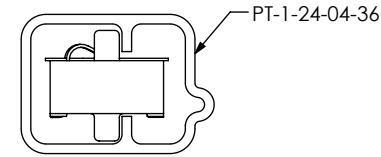
PACKAGING VIEW
FSI-1XX-06-X-S-XX



PACKAGING VIEW
FSI-1XX-10-X-S-XX



PACKAGING VIEW
FSI-1XX-03-X-S-E-XX
FSI-1XX-03-X-S-M-XX



PACKAGING VIEW
FSI-1XX-03-X-S-E-XX-K
FSI-1XX-03-X-S-M-XX-K

PACKAGING TABLE		
BODY HEIGHT	TUBE	PLUG
-03	PT-FSI002-03-S-AX	TP-09
-03 (-M & -E OPTIONS)	PT-1-24-04-36	TP-09
-06	PT-FSI003-06-S-AX	TP-09
-10	PT-FSI004-10-S-AX	TP-09

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

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