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IN MILLIMETERS[INCHES]

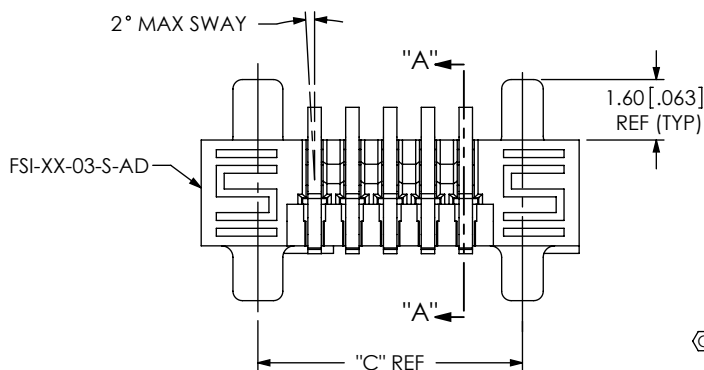
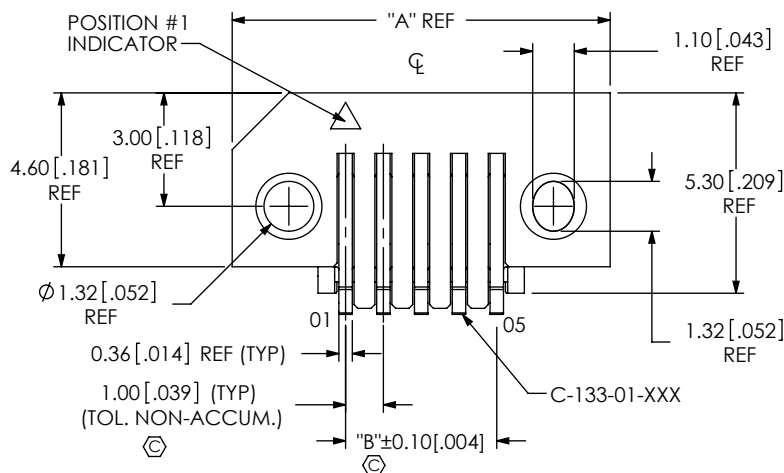


TABLE 3	
BODY HEIGHT	"D"
-03	3.00 [0.118]
-06	6.00 [0.236]
-10	10.00 [0.394]

TABLE 2	
No. OF POS.	COPLANARITY
-05 THRU -35	0.10 [.004]
-40 THRU -50	0.15 [.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]

FSI-1XX-XX-X-S-X-XX-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)

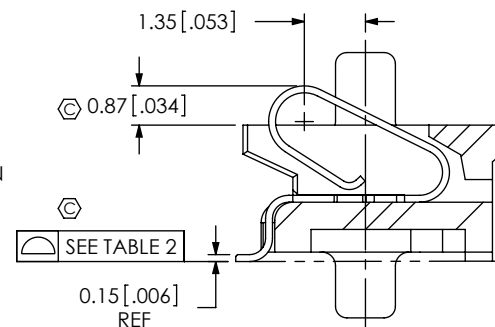
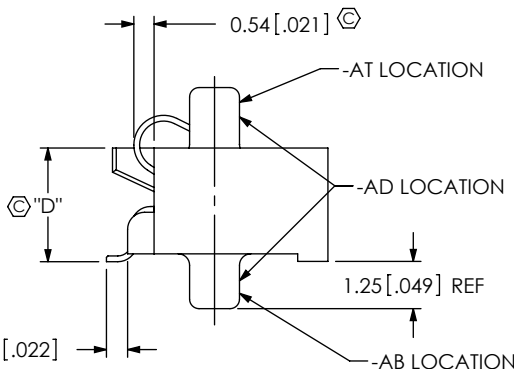
PLATING SPECIFICATION
-L: 10μ" MIN Au/50μ" Ni IN CONTACT, TIN ON TAIL (-06 & -10 BODY HEIGHT ONLY)
-S: 30μ" MIN Au/50μ" Ni IN CONTACT, TIN ON TAIL (-06 & -10 BODY HEIGHT ONLY)
-G: 10μ" MIN Au/50μ" Ni IN CONTACT, 3μ" MIN Au/50μ" Ni ON TAIL (-03 BODY HEIGHT ONLY)
-H: 30μ" MIN Au/50μ" Ni IN CONTACT, 3μ" MIN Au/50μ" Ni ON TAIL (-03 BODY HEIGHT ONLY)

ROW SPECIFICATION
-S: SINGLE ROW

OPTION
-XX: BLANK FOR TUBED PARTS.
-TR: TAPE & REEL PACKAGING.
-WT: WELD TAB (SEE FIG 2)
(USE WT-54-01-X)
(FOR -06 & -10 HEIGHT OPTIONS)
(NOT AVAILABLE WITH THREADED INSERT OPTION)
-K: POLYIMIDE FILM PAD
(USE K-DOT-.256-.375-.005)
(AVAILABLE ONLY ON POSITIONS 40 & 50 WITH ANY THREADED INSERT OPTIONS)

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)



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

NOTES:

- Ⓢ REPRESENTS A CRITICAL DIMENSION.
- MINIMUM PUSHOUT FORCE: 8 oz.
- 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.
- 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".
- MINIMUM THREADED INSERT RETENTION: -03 BODY HEIGHT: 7 lbs, -06 & -10 BODY HEIGHT: 50 lbs.
- NOTE DELETED.
- HEAT STAKE FORM WILL PRODUCE RETENTION FLANGE AS SHOWN, GAP TO BE 0.25 [.010] MAX AFTER ASSEMBLY. ONLY FOR -06 & -10 BODY HEIGHT.
- NOT RECOMMENDED FOR INVERTED REFLOW SOLDER.
- FOR QUANTITIES UP TO 49 PCS, NO LEADER, TRAILER OR REEL WILL BE SUPPLIED, FOR QUANTITIES OF 50-124 PCS, NO LEADER OR TRAILER WILL BE SUPPLIED.

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN MILLIMETERS.
TOLERANCES ARE:

DECIMALS ANGLES
X.X: ±0.3 [.01]
X.XX: ±0.13 [.005]
X.XXX: ±0.051 [.0020]

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

SHEET SCALE: 1:0.2

samtec

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-X-S-X-XX-XX

BY: ROY LUO 06/14/2010

SHEET 1 OF 6

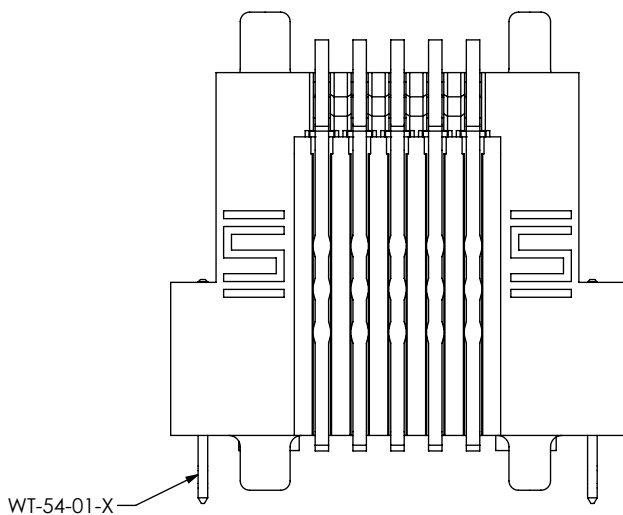
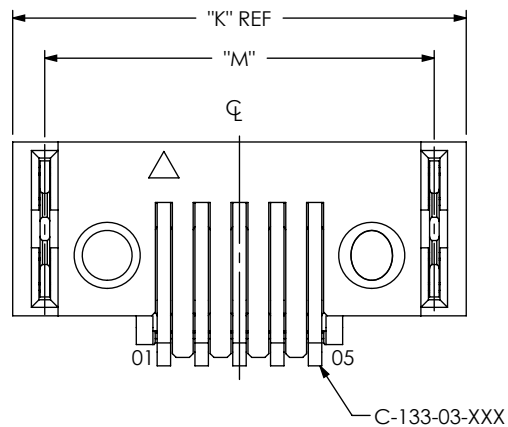
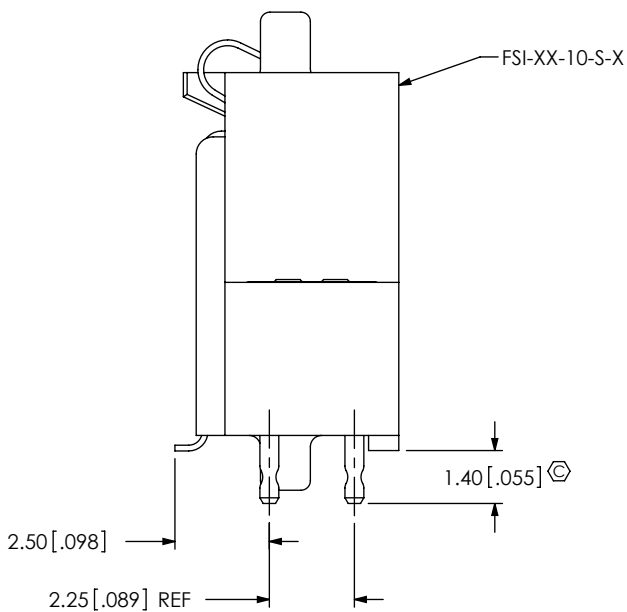


FIG 2
-WT OPTIONS
(FSI-105-10-X-S-AD-WT SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)
(FOR -06 & -10 HEIGHT ONLY)
(NOT AVAILABLE WITH THREADED INSERT OPTION)

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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	DESCRIPTION: 1mm SINGLE ELEMENT INTERFACE	
	DWG. NO. FSI-1XX-XX-X-S-X-XX-XX	
BY: ROY LUO 06/14/2010		SHEET 2 OF 6

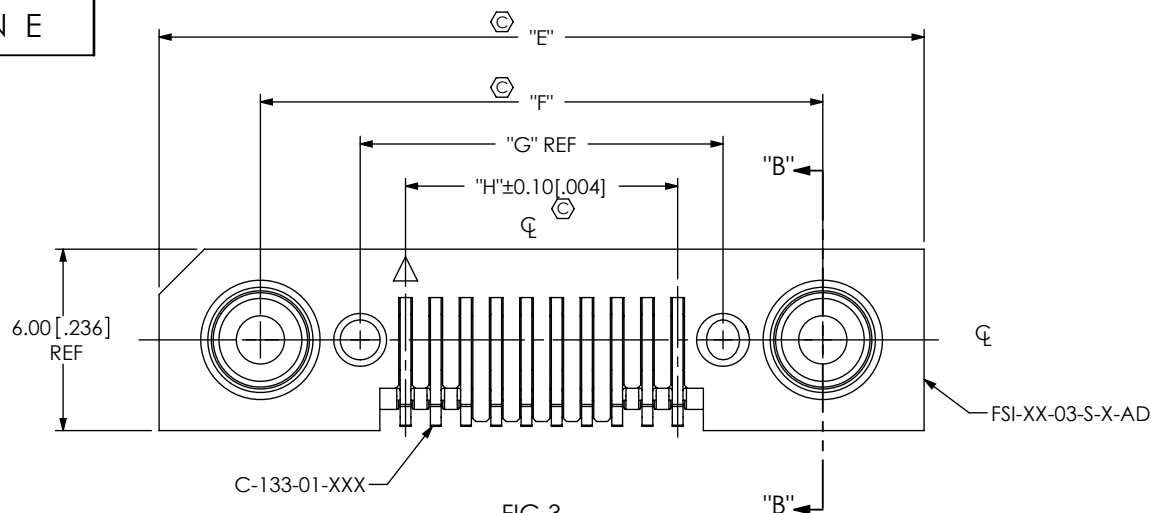
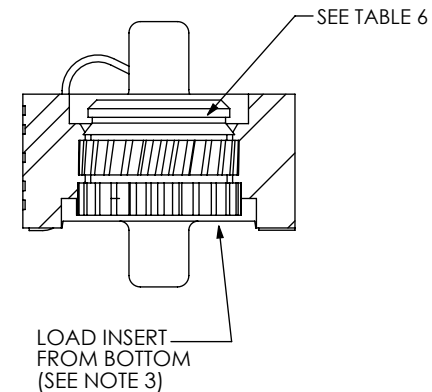


FIG 3
-M & -E THREADED OPTIONS
(FSI-110-03-X-S-X-AD-TR SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)
(FOR -10, -20 & -30 POS ONLY)



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

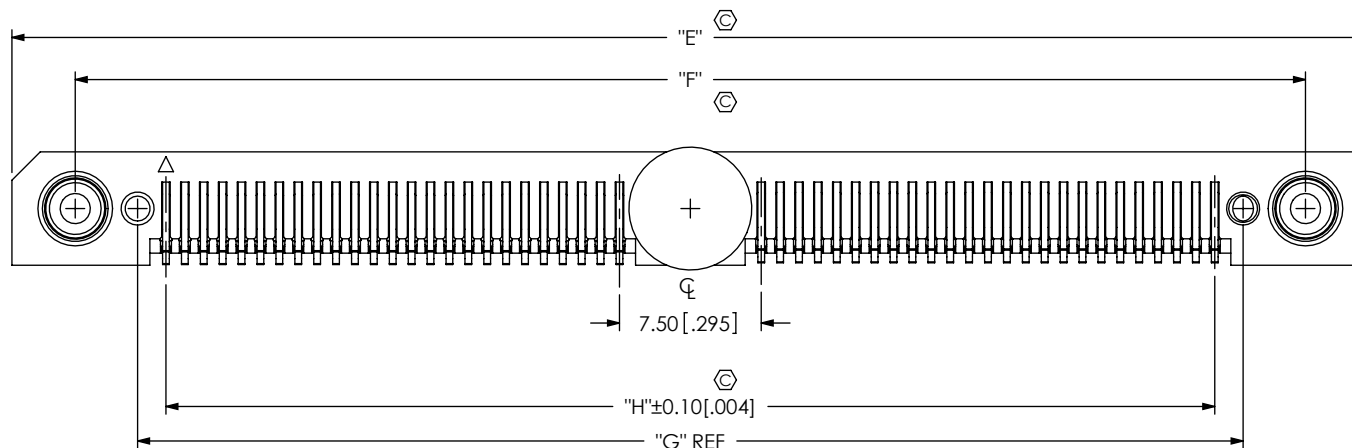


FIG 4
-M & -E THREADED OPTIONS
(FSI-150-03-X-S-X-AD-K SHOWN)
(SAME AS FIG 3, EXCEPT AS SHOWN)
(FOR -40 & -50 POS ONLY)

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]

F:\DWG\MISC\MKTG\FSI-1XX-XX-X-S-X-XX-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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e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:

1mm SINGLE ELEMENT INTERFACE

DWG. NO.

FSI-1XX-XX-X-S-X-XX-XX

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

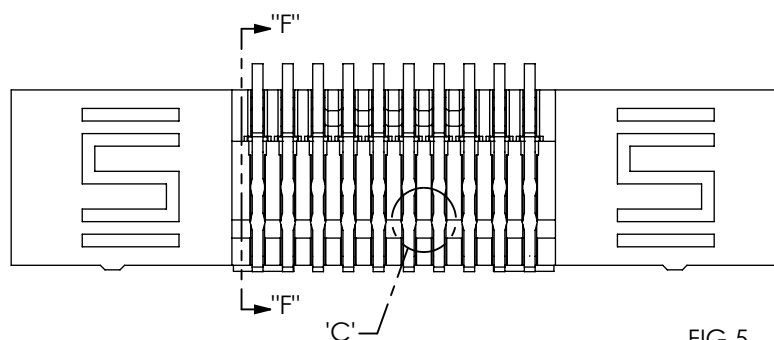
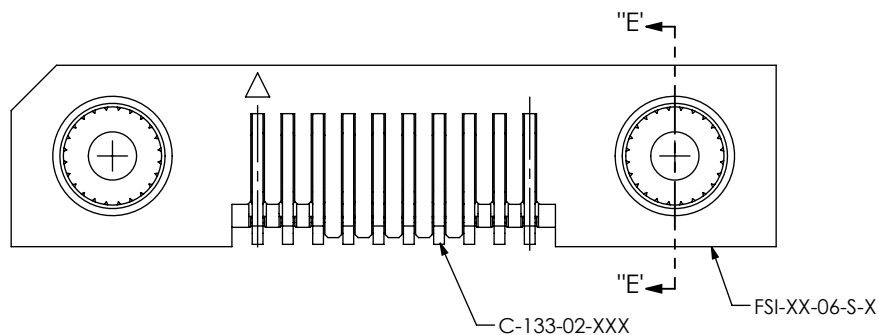
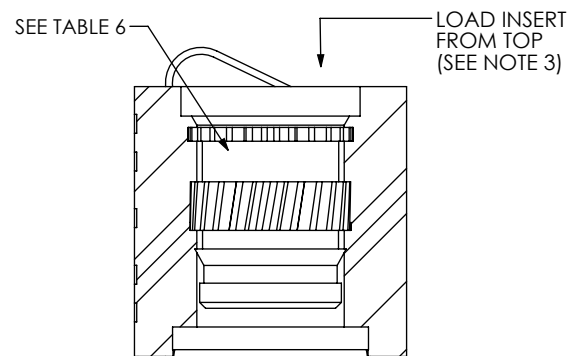
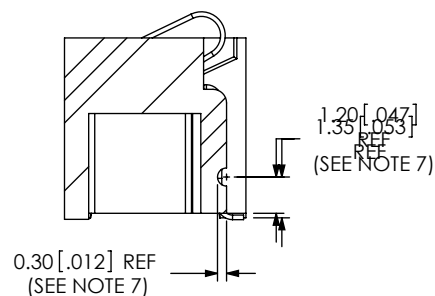
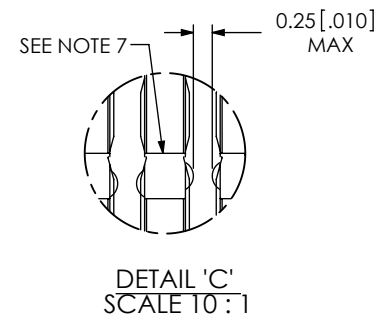


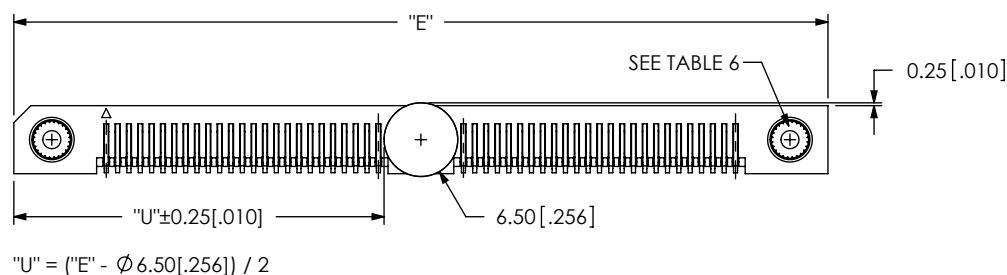
FIG 5
(FSI-110-06-X-S-X-TR SHOWN)
(SAME AS FIG 3, EXCEPT AS SHOWN)
(FOR -10, -20 & -30 POS ONLY)



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



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



$$"U" = ("E" - \phi 6.50 [.256]) / 2$$

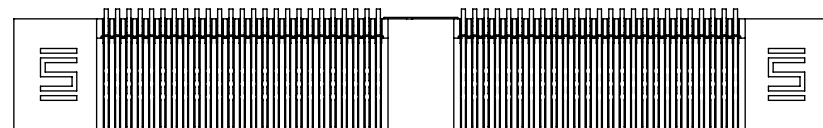


FIG 6
(FSI-150-10-X-S-X-K SHOWN)
(SAME AS FIG 5, EXCEPT AS SHOWN)
(FOR -40 & -50 POS ONLY)

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

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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-X-S-X-XX-XX

BY: ROY LUO 06/14/2010 SHEET 4 OF 6

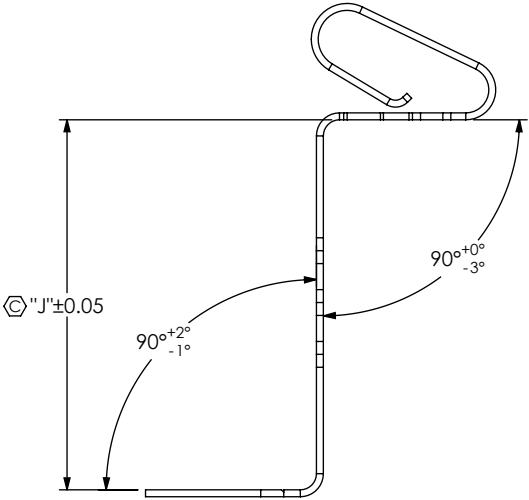
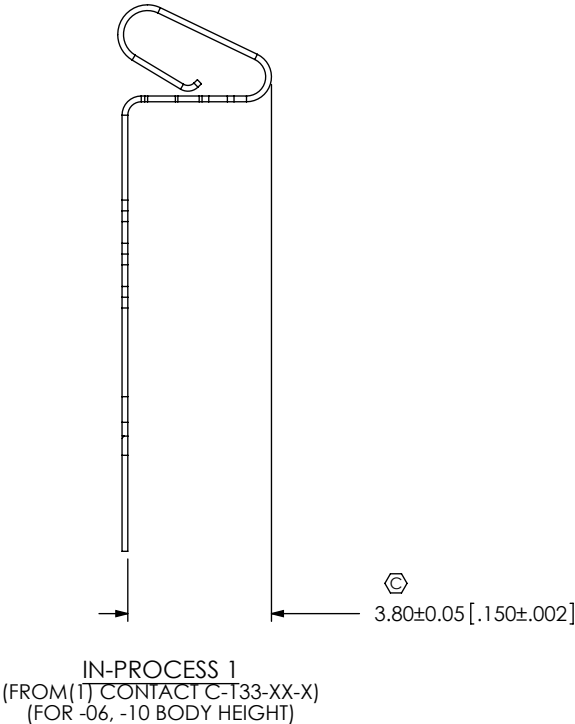
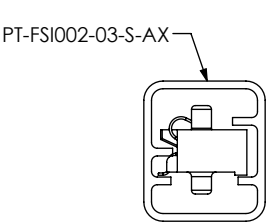
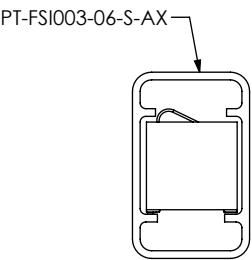


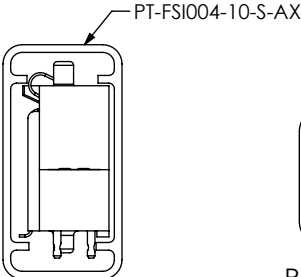
TABLE 8	
BODY HEIGHT	"J"
-06	4.15 [0.163]
-10	8.15 [0.321]



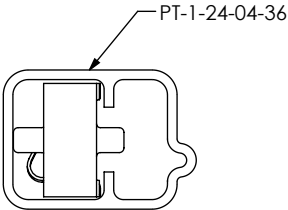
PACKAGING VIEW
FSI-1XX-03-X-S-XX



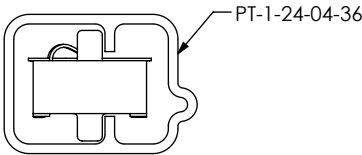
PACKAGING VIEW
FSI-1XX-06-X-S-XX



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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e-Mail info@SAMTEC.com code 55322

DESCRIPTION:	1mm SINGLE ELEMENT INTERFACE
DWG. NO.	FSI-1XX-XX-X-S-X-XX-XX
BY: ROY LUO	06/14/2010
SHEET 5 OF 6	

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	DESCRIPTION: 1mm SINGLE ELEMENT INTERFACE		
	DWG. NO. FSI-1XX-XX-X-S-X-XX-XX		
	BY: ROY LUO	06/14/2010	SHEET 6 OF 6