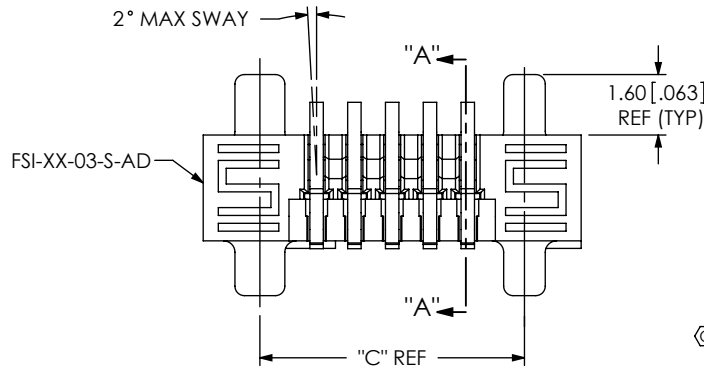
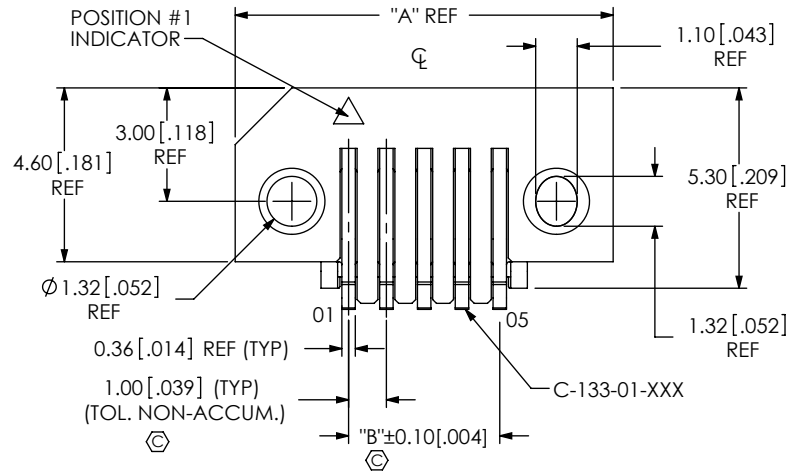


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IN MILLIMETERS[INCHES]



| 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)

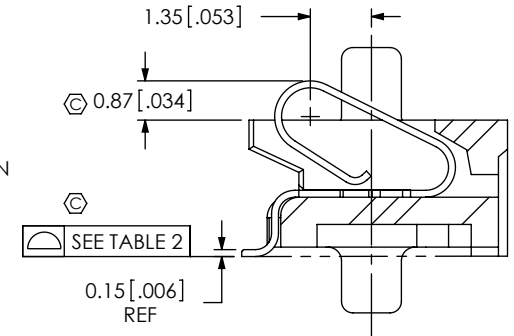
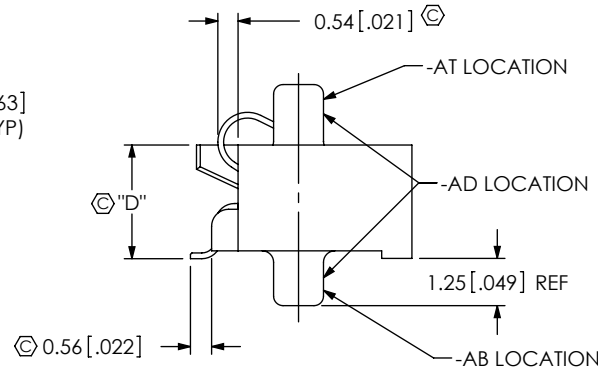
PLATING SPECIFICATION
-L: 10μ" MIN Au/50μ" Ni IN CONTACT, TIN ON TAIL (-06 & -10 BODY HEIGHT ONLY)
-S: 30μ" MIN Au/50μ" Ni IN CONTACT, TIN ON TAIL (-06 & -10 BODY HEIGHT ONLY)
-G: 10μ" MIN Au/50μ" Ni IN CONTACT, 3μ" MIN Au/50μ" Ni ON TAIL (-03 BODY HEIGHT ONLY)
-H: 30μ" MIN Au/50μ" Ni IN CONTACT, 3μ"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

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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 1 OF 6

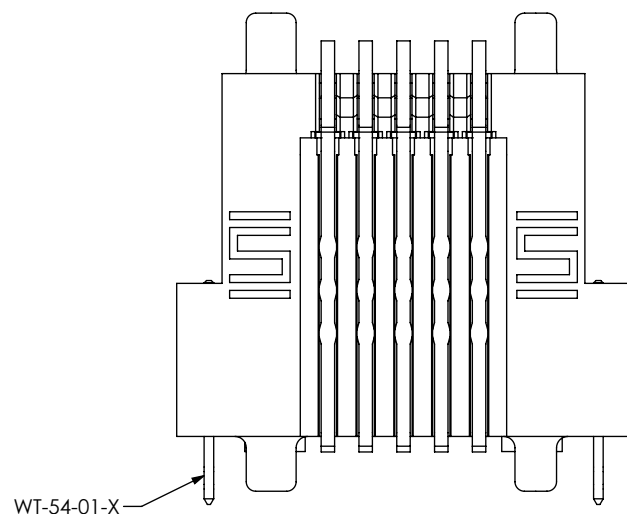
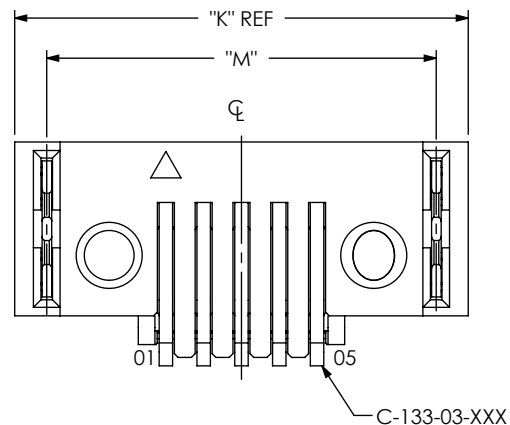
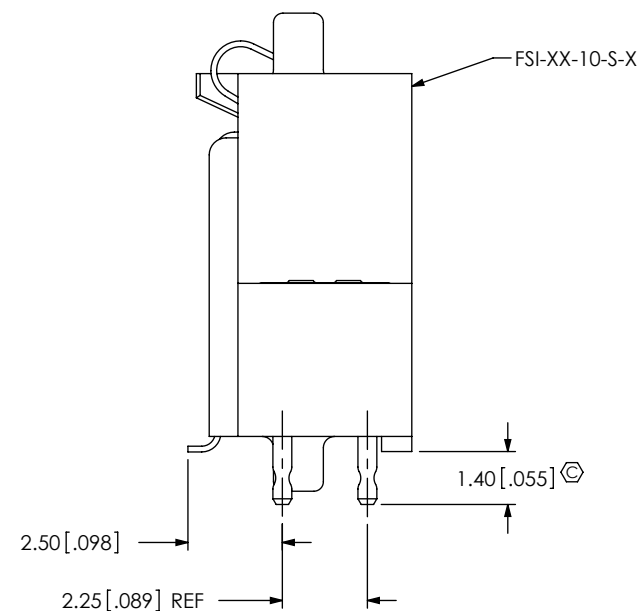


FIG 2
-WT OPTIONS
(FSI-105-10-X-S-AD-WT SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)
(FOR -06 & -10 HEIGHT ONLY)
(NOT AVAILABLE WITH THREADED INSERT OPTION)

| 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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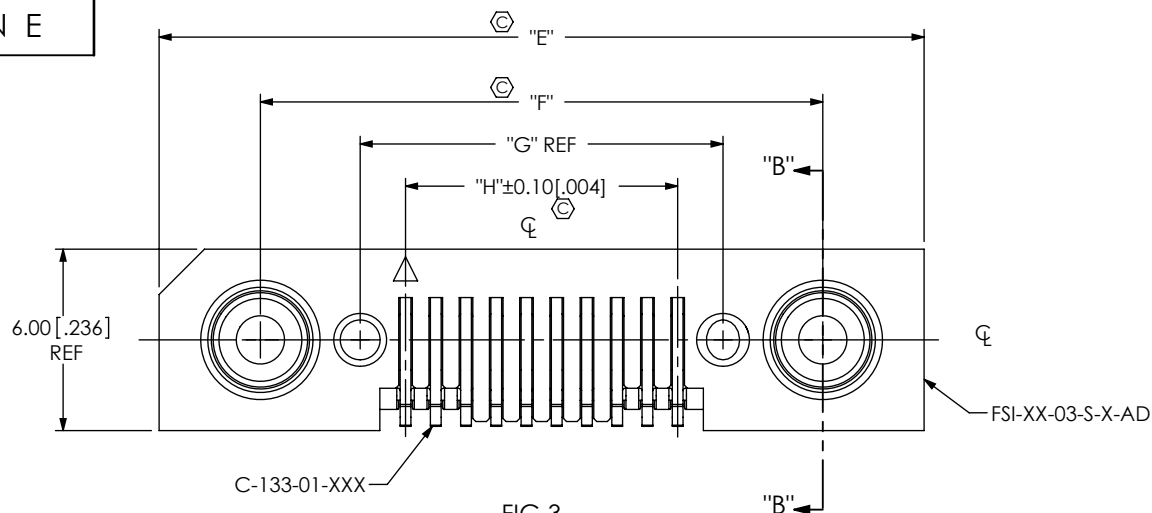
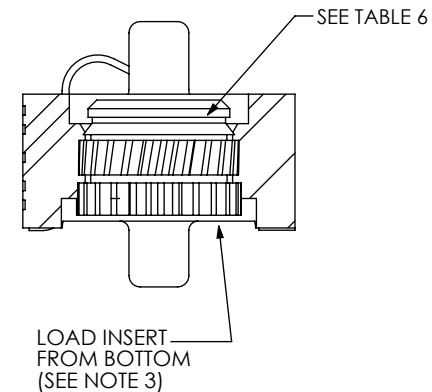


FIG 3
-M & -E THREADED OPTIONS
(FSI-110-03-X-S-X-AD-TR SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)
(FOR -10, -20 & -30 POS ONLY)



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

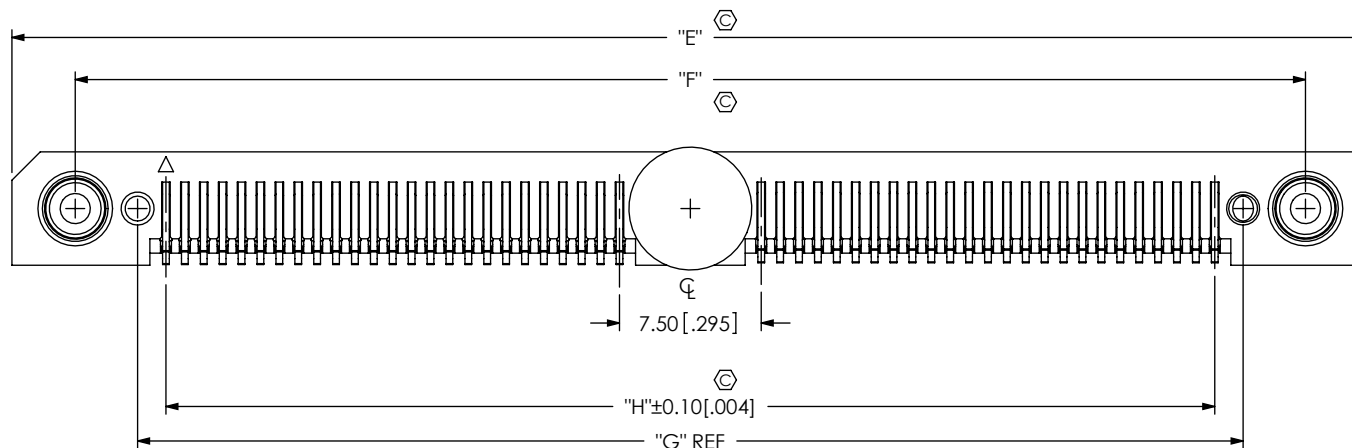


FIG 4
-M & -E THREADED OPTIONS
(FSI-150-03-X-S-X-AD-K SHOWN)
(SAME AS FIG 3, EXCEPT AS SHOWN)
(FOR -40 & -50 POS ONLY)

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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1mm SINGLE ELEMENT INTERFACE

DWG. NO.

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

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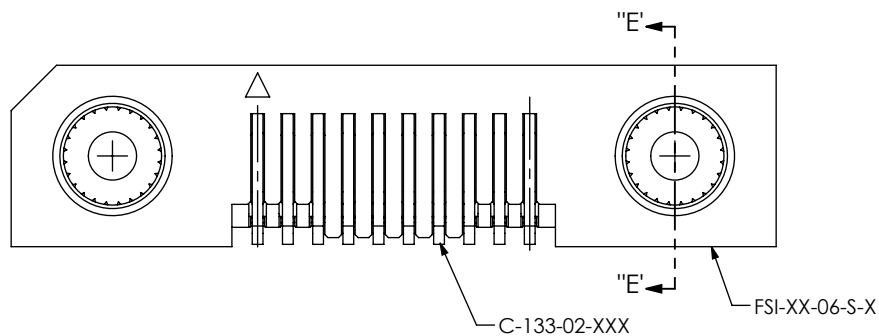
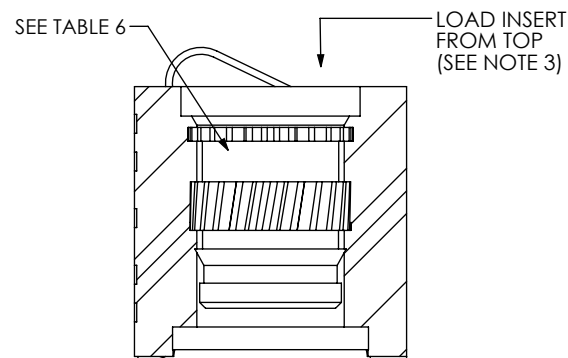
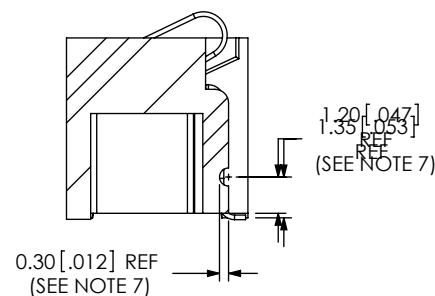
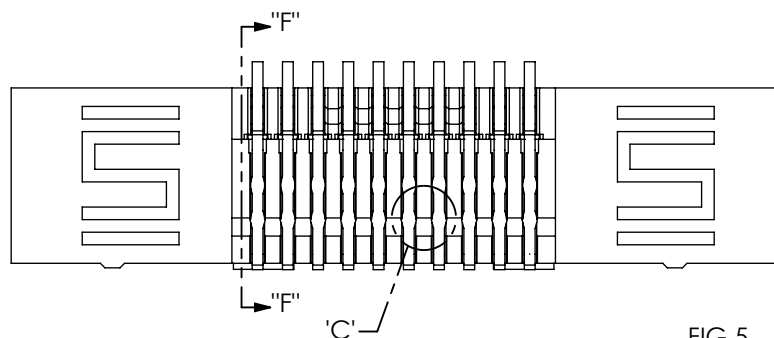
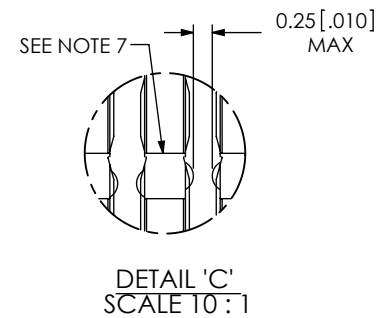


FIG 5
(FSI-110-06-X-S-X-TR SHOWN)
(SAME AS FIG 3, EXCEPT AS SHOWN)
(FOR -10, -20 & -30 POS ONLY)



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



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

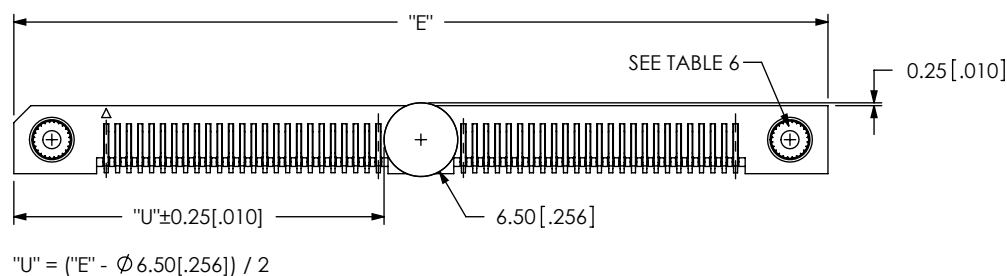
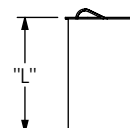
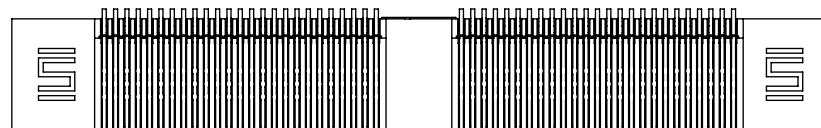


FIG 6
(FSI-150-10-X-S-X-K SHOWN)
(SAME AS FIG 5, EXCEPT AS SHOWN)
(FOR -40 & -50 POS ONLY)



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

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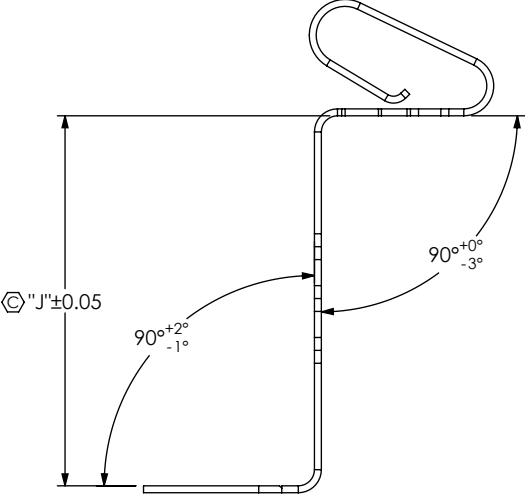
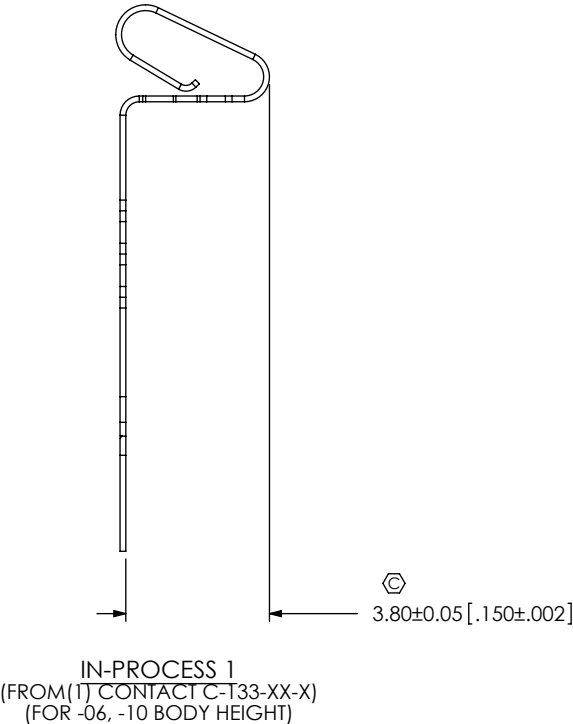
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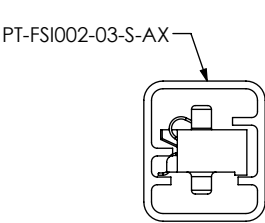
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DWG. NO.
FSI-1XX-XX-X-S-X-XX-XX

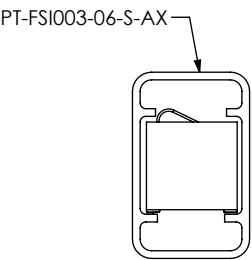
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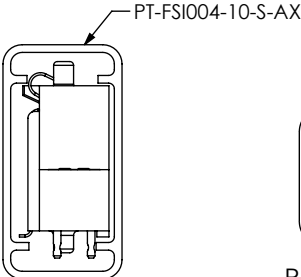
| TABLE 8 | |
|-------------|--------------|
| BODY HEIGHT | "J" |
| -06 | 4.15 [0.163] |
| -10 | 8.15 [0.321] |



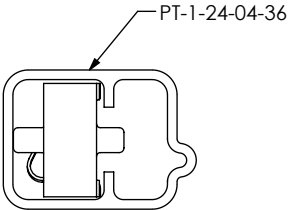
PACKAGING VIEW
FSI-1XX-03-X-S-XX



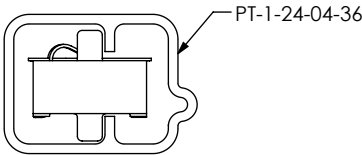
PACKAGING VIEW
FSI-1XX-06-X-S-XX



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