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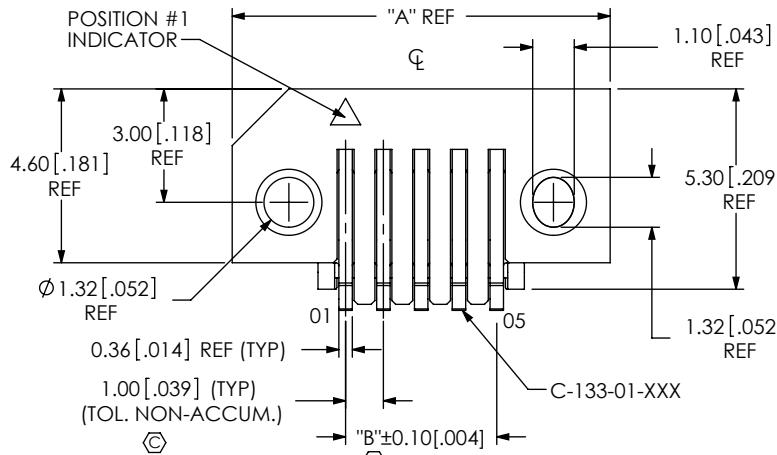


TABLE 3

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

TABLE 2

TABLE 2	
No. OF POS.	COPLANARITY
-05 THRU -35	0.10 [.004]
-40 THRU -50	0.15 [.006]

FIG 1
(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]

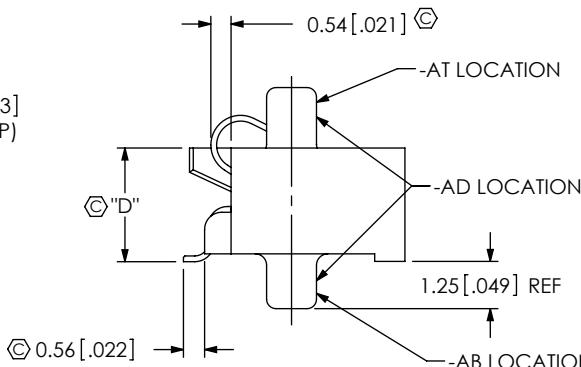
BODY HEIGHT —

03: 3mm (USE C-133-01-XXX)
06: 6mm (USE C-133-02-XXX)
10: 10mm (USE C-133-03-XXX)

PLATING SPECIFICATION

- L: $10\mu\text{m}$ MIN Au/ $50\mu\text{m}$ Ni
IN CONTACT, TIN ON TAIL
(-06 & -10 BODY HEIGHT ONLY)
- S: $30\mu\text{m}$ MIN Au/ $50\mu\text{m}$ Ni
IN CONTACT, TIN ON TAIL
(-06 & -10 BODY HEIGHT ONLY)
- G: $10\mu\text{m}$ MIN Au/ $50\mu\text{m}$ Ni IN CONT.
 $3\mu\text{m}$ MIN Au/ $50\mu\text{m}$ Ni ON TAIL
(-03 BODY HEIGHT ONLY)
- H: $30\mu\text{m}$ MIN Au/ $50\mu\text{m}$ Ni IN CONT.
 $3\mu\text{m}$ MIN Au/ $50\mu\text{m}$ Ni ON TAIL
(-03 BODY HEIGHT ONLY)

ROW SPECIFICATION



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

NOTES:

SCALE 6 :

1.  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 REFLUX SOLDER.
9. 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,
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Samtec

520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 55322

OPTION: 1mm SINGLE ELEMENT INTERFACE
NO. ESL 1XX XX X S X XX XX

PO BOX 1110 06/14/2010 SHEET 1 OF 1

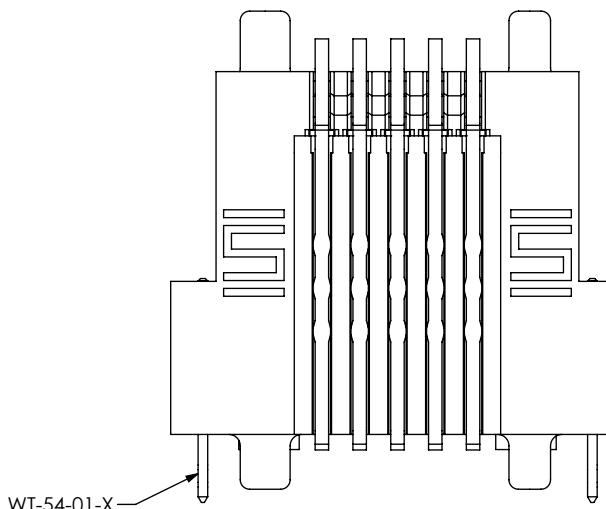
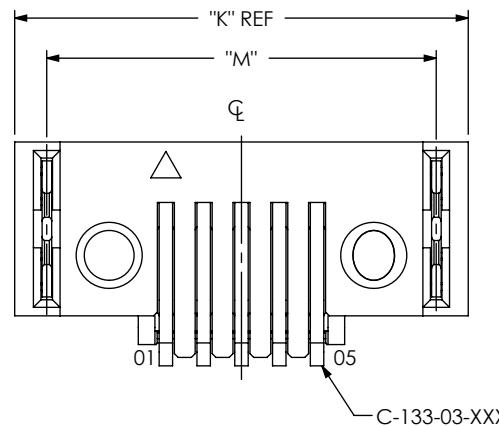
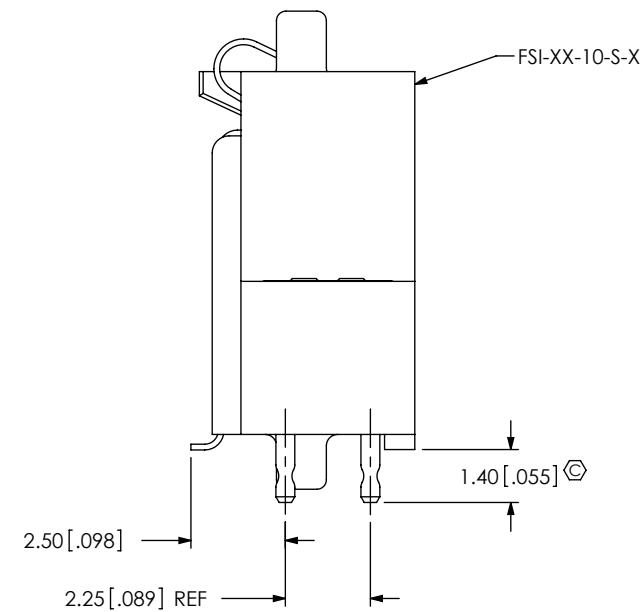


FIG 2
-WT OPTIONS
(FSI-105-10-X-S-AD-WT SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)
(FOR -06 & -10 HEIGHT ONLY)
(NOT AVAILABLE WITH THREADED INSERT OPTION)

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

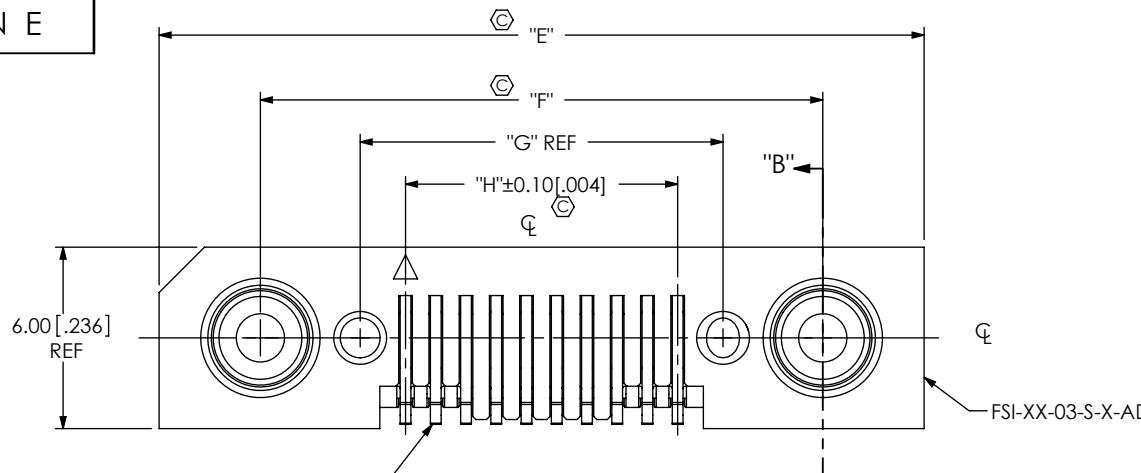


FIG 3
-M & -E THREADED OPTIONS
(FSI-110-03-X-S-X-AD-TR SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)
(FOR -10, -20 & -30 POS ONLY)

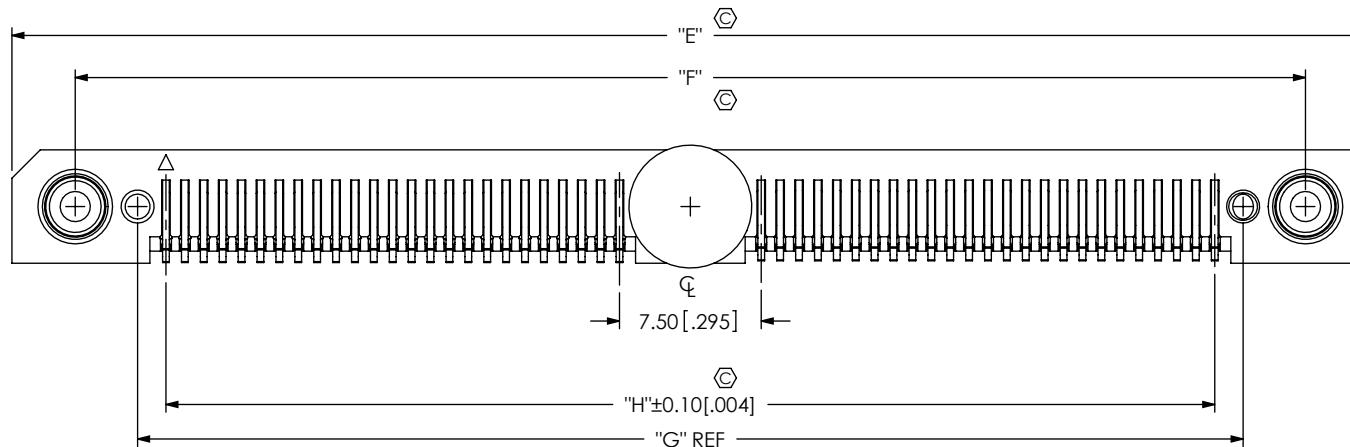
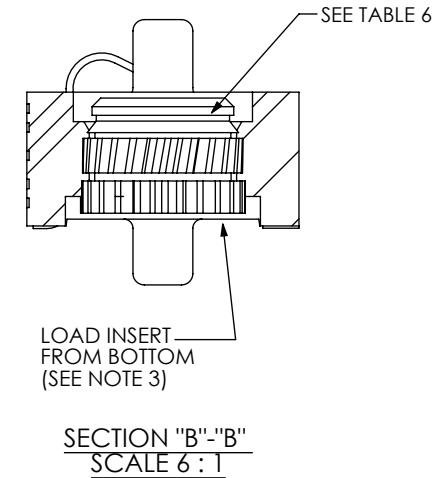


FIG 4
-M & -E THREADED OPTIONS
(FSI-150-03-X-S-X-AD-K SHOWN)
(SAME AS FIG 3, EXCEPT AS SHOWN)
(FOR -40 & -50 POS ONLY)

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]

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-XX-XX

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

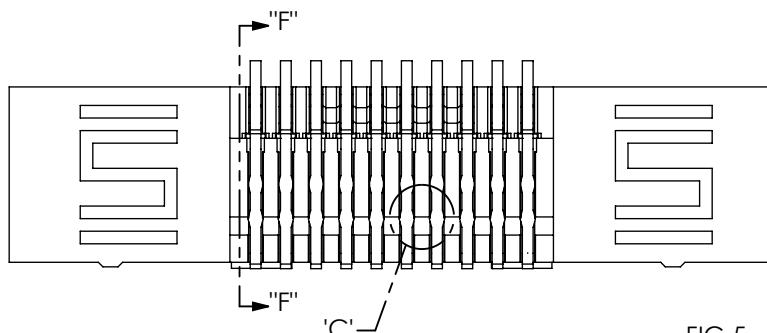
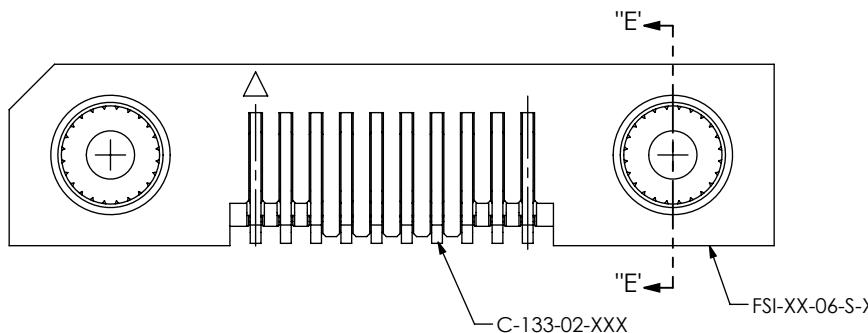
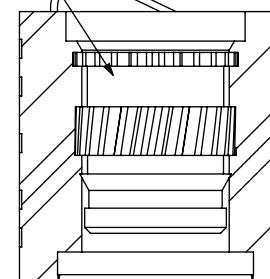
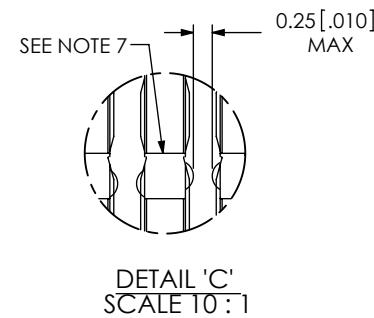


FIG 5
(FSI-110-06-X-S-X-TR SHOWN)
(SAME AS FIG 3, EXCEPT AS SHOWN)
(FOR -10, -20 & -30 POS ONLY)

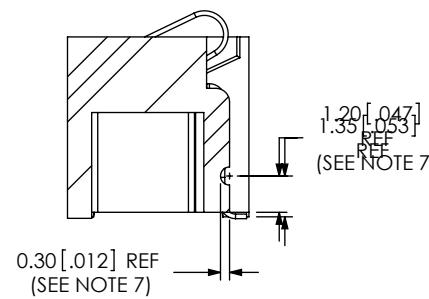
SEE TABLE 6
LOAD INSERT FROM TOP
(SEE NOTE 3)



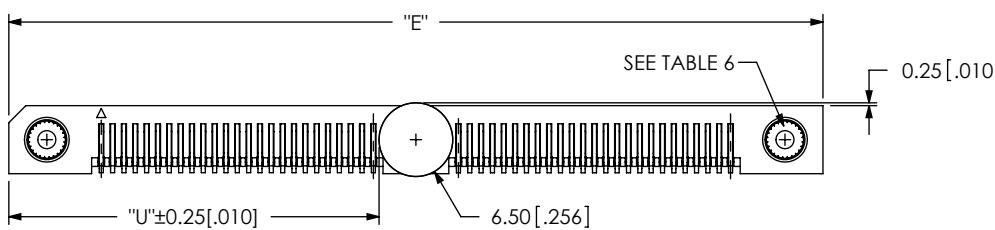
SECTION "E"- "E"
SCALE 6 : 1



DETAIL 'C'
SCALE 10 : 1



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



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

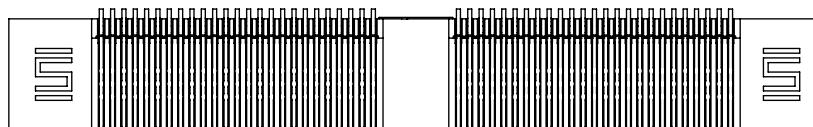
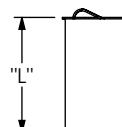


FIG 6
(FSI-150-10-X-S-X-K SHOWN)
(SAME AS FIG 5, EXCEPT AS SHOWN)
(FOR -40 & -50 POS ONLY)



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TABLE 9	
BODY HEIGHT	"L"
-3	3.13 [.123]
-06	6.13 [.241]
-10	10.13 [.399]

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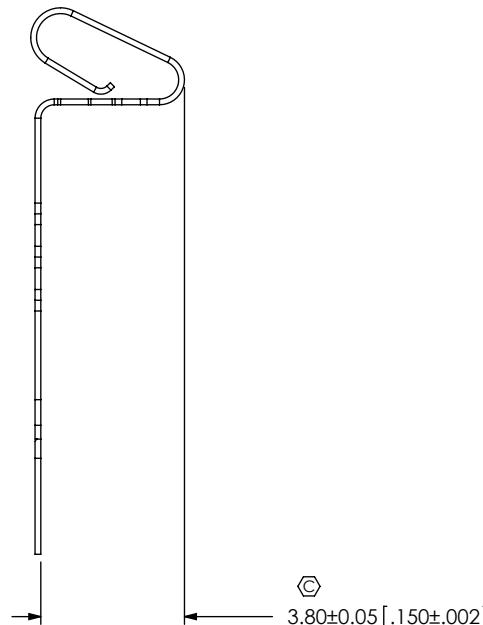
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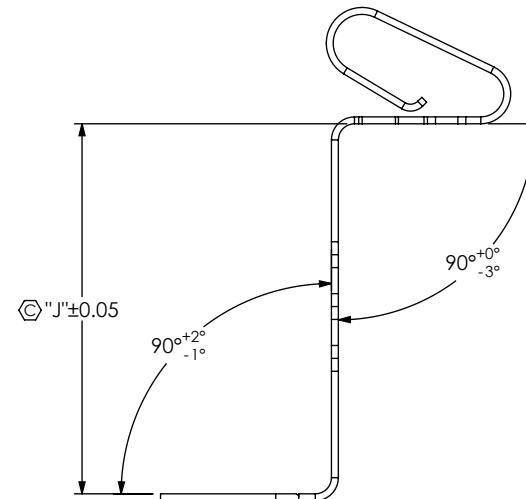
DESCRIPTION: 1mm SINGLE ELEMENT INTERFACE

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

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

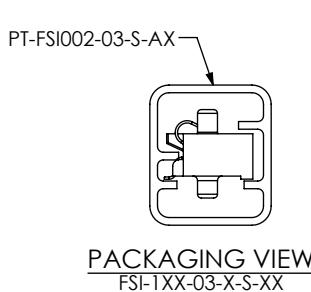


IN-PROCESS 1
(FROM(1) CONTACT C-T33-XX-X)
(FOR -06, -10 BODY HEIGHT)

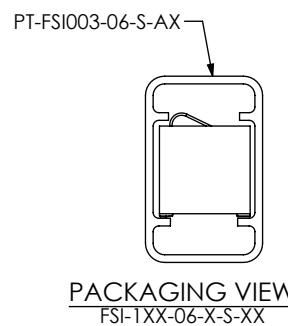


IN-PROCESS 2
(FROM(2) CONTACT C-T33-XX-X)
(FOR -06, -10 BODY HEIGHT)

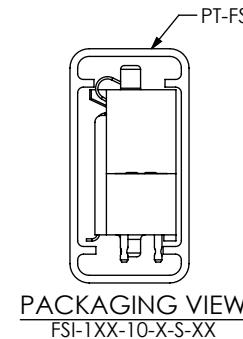
TABLE 8	
BODY HEIGHT	"J"
-06	4.15 [0.163]
-10	8.15 [0.321]



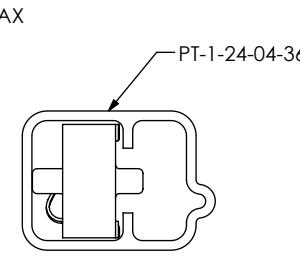
PACKAGING VIEW
FSI-1XX-03-X-S-XX



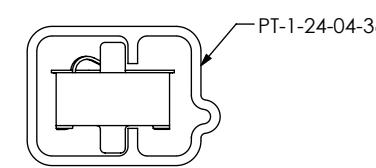
PACKAGING VIEW
FSI-1XX-06-X-S-XX



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
FSI-1XX-03-X-S-M-XX

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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DESCRIPTION: 1mm SINGLE ELEMENT INTERFACE

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

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