

- NOTES:
1. MAXIMUM ALLOWABLE BOW: .003[0.08] IN/IN AFTER ASSEMBLY.
  2. MINIMUM PUSHOUT FORCE SHALL BE .5 LB ON BOARD STYLE .070[1.78]-.198[5.03] AND 1 LB ON BOARD STYLE .199[5.05]-.690[17.53].
  3. GOLD AREA TO APPEAR ON POST.
  4. TAILS SHEARED TO DIMENSIONS SHOWN.
  5. LAYER PACKAGE ALL -S. LAYER PACKAGE -D POSITIONS 2-10. TUBE PACKAGE -D POSITIONS 11-50.
  6. AVAILABLE ONLY W/BOARD SPACE .215[5.46] TO .610[15.49].
  7. "B" = POST DIMENSION + BOARD SPACE.
  8. MAXIMUM CUT FLASH: .010 [0.25].
  9. FILL BODY SO THAT THE LEAD IN OF THE CORE IS ON THE TAIL SIDE.
  10. REPRESENTS A CRITICAL DIMENSION.
  11. FOR ADDED MECHANICAL STABILITY, SAMTEC RECOMMENDS MECHANICAL BOARD SPACERS BE USED IN APPLICATIONS WITH GOLD OR SELECTIVE GOLD PLATED CONNECTORS. CONTACT IPG@SAMTEC.COM FOR MORE INFORMATION.

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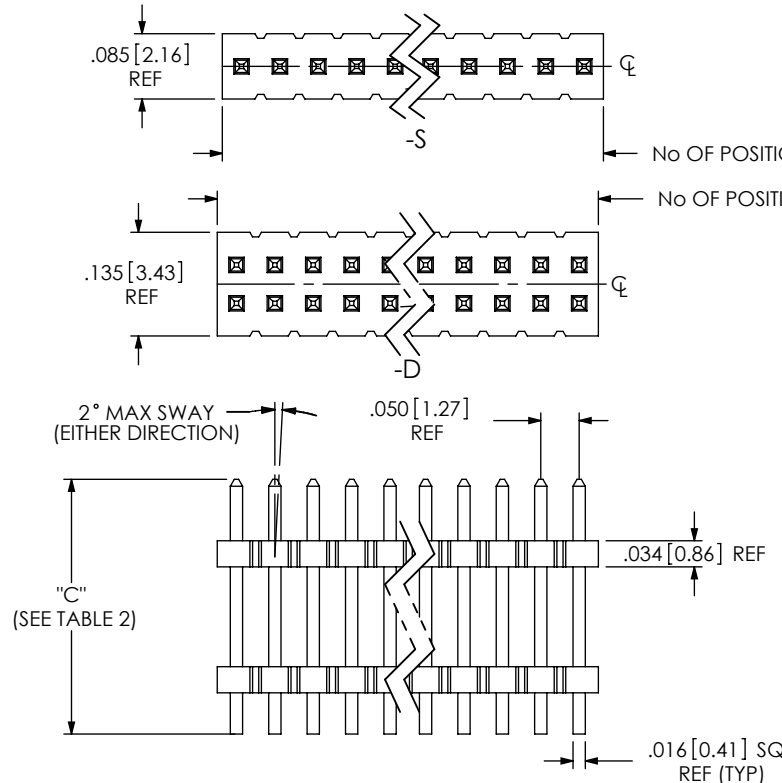


TABLE 2		
TERMINAL	"C"	ROW OPTION
T-1S15-10-XX	.401 [10.19] - .750 [19.05]	D
T-1S15-03-XX	.401 [10.19] - .750 [19.05]	S
T-1S15-04-XX	.170 [4.32] - .400 [10.16]	D,S
T-1S15-05-XX	.751 [19.08] - .800 [20.32]	D,S

TABLE 3 *		
BOARD SPACE	BODY STYLE	FIG
.070 [1.78] - .198 [5.03]	FTS-XX-DV	1
.199 [5.05] - .690 [17.53]	FTSH-XX-D	2 (SEE SHEET 2)

\*THIS TABLE APPLIES TO DOUBLE ROW ASSEMBLIES ONLY  
ALL SINGLE ROW ASSEMBLIES USE FTS-XX-SV

FW-XX-XX-XX-X-XXX-XXX-XX

POSITION SPEC  
No OF POS PER ROW  
-02 THRU -50

TAIL STYLE  
(SEE TABLE 1)  
(SEE TABLE 2 FOR  
TERMINAL PIN)

PLATING

- L: 10μ" LIGHT SELECTIVE GOLD IN CONTACT AREA  
MATTE TIN ON TAIL
- F: 3μ" FLASH SELECTIVE GOLD IN CONTACT AREA,  
MATTE TIN ON TAIL
- G: 10μ" GOLD IN CONTACT AREA  
3μ" ON TAIL
- H: 30μ" HEAVY GOLD IN CONTACT AREA  
3μ" ON TAIL
- LM: 10μ" LIGHT SELECTIVE GOLD IN CONTACT AREA  
MATTE TIN TAIL
- FM: 3μ" FLASH SELECTIVE GOLD IN CONTACT AREA  
MATTE TIN TAIL

OPTION

- ES: END SHROUDS (SEE FIG 4, SHT 2)  
(9 POS PER ROW MIN)  
(MAX POST: .075[1.91])  
(SEE NOTE 6)
- EP: GUIDE POST (FIG 3, SHT 2)  
(9 POS PER ROW MIN)  
(MAX POST: .075[1.91])  
(USE ONLY WHEN MATING WITH CLP)  
(SEE NOTE 6)

POST LENGTH

-XXX±.005 [0.13]  
.065 [1.65] MIN

BOARD SPACE

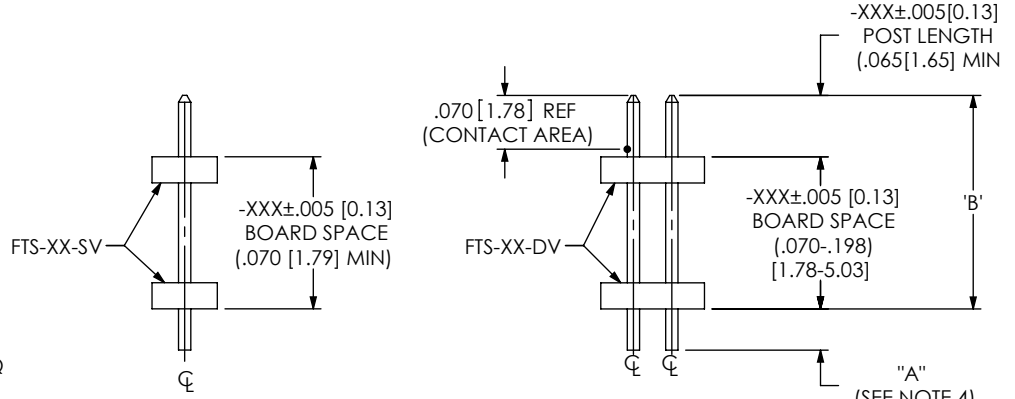
-XXX±.005 [0.13]  
(.070 [1.78] MIN) SEE TABLE 1 FOR MAX

ROW OPTION

- D: DOUBLE (SEE TABLE 3)
- S: SINGLE (USE 2 FTS-50-SV)

**\*DO NOT DESIGN -S: SINGLE ROW IN  
SAMTEC WILL ONLY SUPPORT EXISTING  
BUSINESS AS OF 10/17/97**

TABLE 1		
TAIL STYLE	"A"	"B" MAX
-01	.045 [1.14]	.755 [19.18]
-02	.075 [1.91]	.725 [18.42]
-04	.090 [2.29]	.710 [18.03]



-S  
(SEE -D FOR DIMENSIONING)

FIG 1  
FTS-XX-DV BODY STYLE  
FW-50-01-XX-D-198-045  
(BOARD SPACE .070-.198[1.78-5.03])

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES.  
TOLERANCES ARE:  
DECIMALS ANGLES  
.XX: ±.01 [.3] 5°  
.XXX: ±.005 [.13]  
.XXXX: ±.0020 [.051]

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**samtec**

520 PARK EAST BLVD, NEW ALBANY, IN 47150  
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e-Mail info@SAMTEC.com code 53322

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 4:1  
FTS-XX-XX & FTSH-50-D: LCP,UL 94 VO, COLOR BLACK  
TERMINAL: PHOS BRONZE

DESCRIPTION:  
.050 x .050 SURFACE MOUNT BOARD SPACERS

DWG. NO.  
**FW-XX-XX-XX-X-XXX-XXX-XX**

BY: BRATCHER 4/8/94 SHEET 1 OF 3

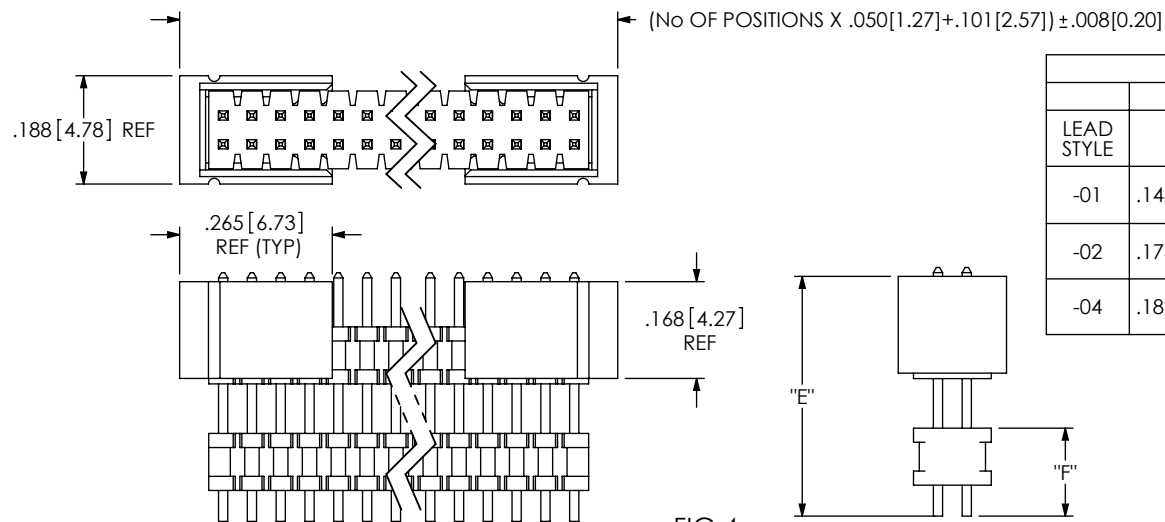
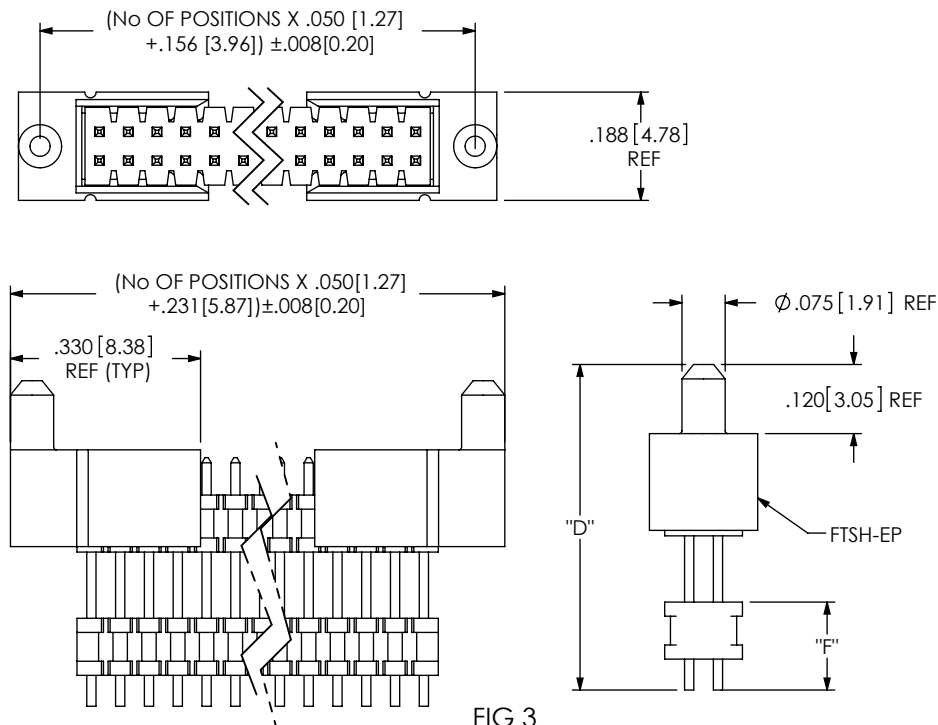
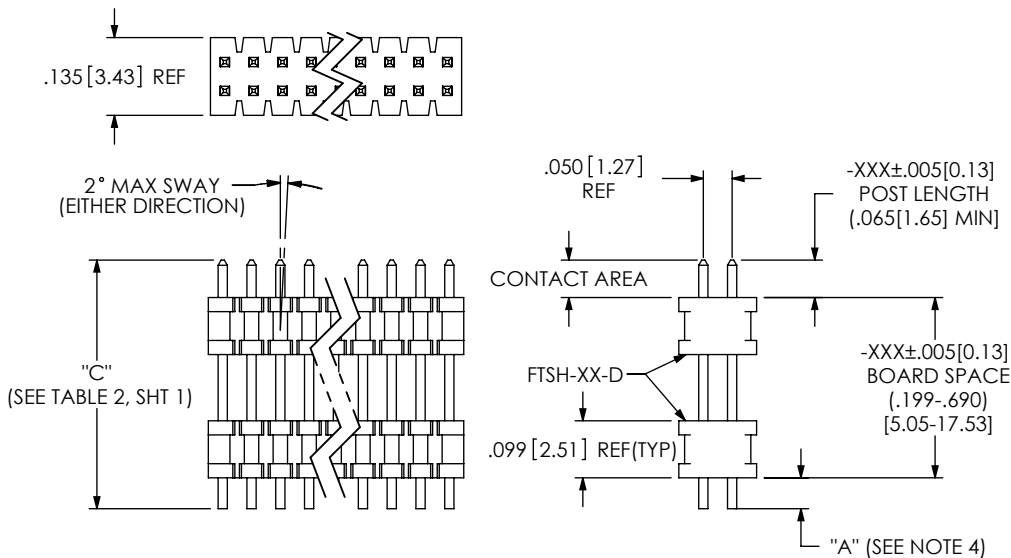


TABLE 5					
LEAD STYLE	"F"	"D" RANGE	"E" RANGE	BODY STYLE	
				UPPER BODY	LOWER BODY
-01	.144[3.66]	.471-.866[11.96-22.00]	.351-.746[8.92-18.95]	FTSH-XX-D	FTSH-XX-D
-02	.174[4.42]	.501-.896[12.73-22.76]	.381-.776[9.68-19.71]	FTSH-XX-D	FTSH-XX-D
-04	.189[4.80]	.516-.911[13.11-23.14]	.396-.79[10.06-20.09]	FTSH-XX-D	FTSH-XX-D

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SHEET SCALE: 4:1

**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:  
.050 x .050 SURFACE MOUNT BOARD SPACERS

DWG. NO.  
**FW-XX-XX-XX-X-XXX-XXX-XX**


BY: BRATCHER 4/8/94

SHEET 2 OF 3

TABLE 4						
LEAD STYLE	OPTIONS	BOARD STYLE/HEIGHT	BOARD SPACE	* "C" DIMENSION	FOR DOUBLE ROW OPTIONS ONLY PACKAGING TUBE	PLUG
-01,-02,-04	NONE	FTS	.070-.198 [1.78-5.03]	0-.350 [0-8.89]	PT-FW001-D-.070-.198	TP-24
-01,-02,-04	NONE	FTS	.070-.198 [1.78-5.03]	.351-.800 [8.92-20.32]	PT-FW007-D-.070-.198	TP-24
-01,-02,-04	NONE	FTSH (.199-.253) [5.05-6.43]	.199-.235 [5.05-5.97]	0-.415 [0-10.54]	PT-FW002-D-.199-.253	TP-24
-01,-02,-04	NONE	FTSH(.236-.690) [6.00-17.53]	.236-.690 [6.00-17.53]	.416-.800 [10.57-20.32]	PT-FW003-D-.254-690	TP-24
-01,-02,-04	EP,ES	.199-.690 [5.05-17.53]		.800 MAX [20.32 MAX]	PT-FW004-0X-D-EX	TP-24
-01,-02,-04	NONE	FTSH	.199-.235 [5.05-5.97]	.416-.800 [10.57-20.32]	PT-FW008-.199-.253	TP-24

PLEASE CHECK BOARD SPACE AND "C" DIMENSION WHEN SETTING UP BOMS".

\*"C" DIMENSION"=POST LENGTH + BOARD SPACE +"A"

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	DWG. NO. <b>FW-XX-XX-XX-X-XXX-XXX-XX</b>	
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