

NOTES:

- ① REPRESENTS A CRITICAL DIMENSION.
- MAXIMUM CUT FLASH: .010 [0.25]
- MINIMUM PUSHOUT FORCE: 1 LB
- SHEAR TAILS TO DIMENSION SHOWN.
- MAXIMUM BURR: .003 [0.08]
- MAXIMUM COPLANARITY:
  - 05 THRU -49 = .004 [0.10]
  - 50 THRU -64 = .006 [0.15]
  - 65 THRU -90 = .009 [0.22]
- FOR -XX POSITION ASSEMBLY USE -XX POSITION BODY EXCEPT AS LISTED IN TABLE 2.
- IF -A CALLED OUT ON ASSEMBLY, USE -A ON END OF BODY CALLOUT.
- USE FTE-190-0X-G-DV-SA FOR STOCK THAT WILL BE CUT FOR STAKED -A ORDERS.
- USE FTE-190-0X-G-DV FOR ORDERS NOT REQUIRING STAKED -A OPTION.
- MAXIMUM ATTACHED FLASH ALLOWED ON POST SIDE ONLY: .02 [0.5]
- DURING CUT PROCESS, WALL MUST BE A MINIMUM OF .004" OR COMPLETELY REMOVED.
- IF RETENTION IS BELOW SPECIFICATION, A SUBSTITUTION OF FTE-90-D FOR FTE-90-D-A IS ACCEPTABLE.

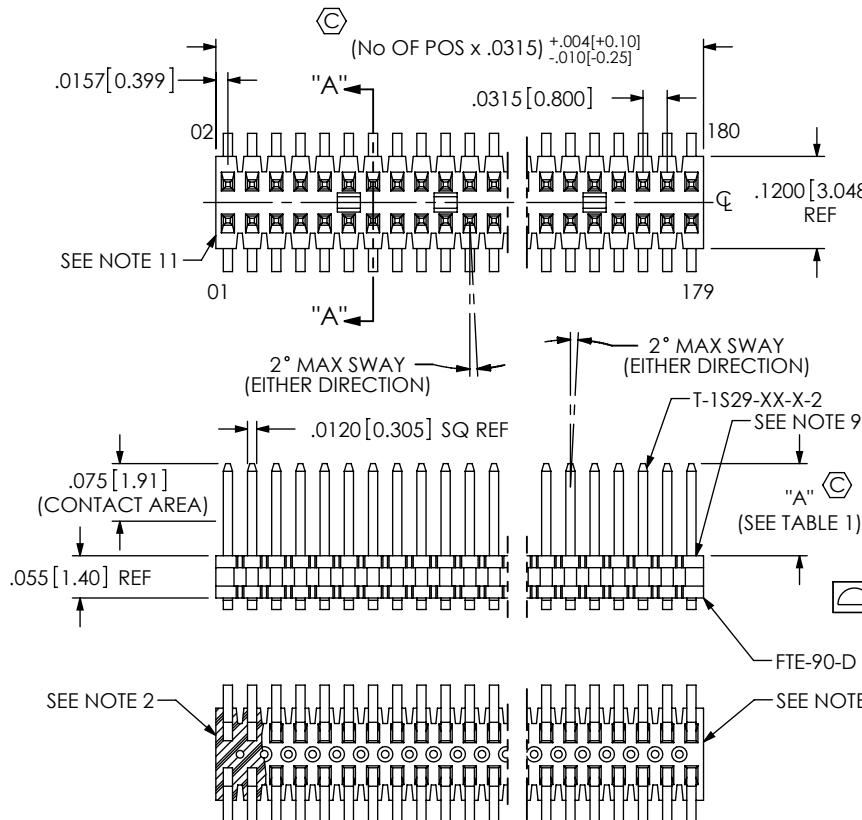
FIG 1  
FTE-1XX-03-X-DV SHOWN

TABLE 2

ASSEMBLY	BODY
FTE-1XX-01-G-DV-ES-XX (SEE NOTE 7 AND 8)	FTE-90-D-ES-XX-X (SEE NOTE 7 AND 8)
FTE-115-01-G-DV-ES-XX (SEE NOTE 8)	FTE-85-D-ES-15-X (SEE NOTE 8)
FTE-120-01-G-DV-ES-A-XX	FTE-85-D-ES-20-A
FTE-120-01-G-DV-ES-XX	* FTE-90-D-ES-20

FTE-1XX-XX-X-DV-XX-XX

No OF POSITIONS

-05 THRU -90  
(PER ROW)

LEAD STYLE

- 01: .075 POST  
(USE T-1S29-04-X-2 FOR HAND FILL,  
T-1S29-02-X-2 FOR MACHINE FILL).
- 02: .175 POST  
(USE T-1S29-04-X-2 FOR HAND FILL,  
T-1S29-02-X-2 FOR MACHINE FILL).
- 03: .120 POST  
(USE T-1S29-04-X-2 FOR HAND FILL,  
T-1S29-02-X-2 FOR MACHINE FILL).

PLATING SPEC

-G: 10 $\mu$ " GOLD IN CONTACT AREA,  
3 $\mu$ " GOLD ON TAIL

ROW SPECIFICATION

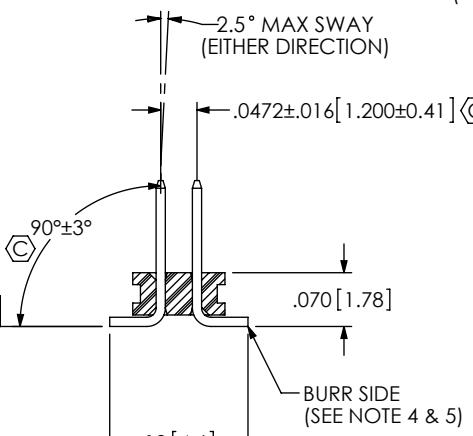
-DV: DOUBLE ROW VERTICAL  
(USE FTE-90-D-A)

OPTIONS

- P: PICK AND PLACE PAD (SEE FIG 2, SHT 2)  
(ONLY AVAILABLE FOR 08-90 POSITIONS)  
(USE PPP-37)  
(USE PPP-37-NT FOR TAPE & REEL)
- TR: TAPE & REEL PACKAGING  
(USE PPP-37-NT ONLY)
- A: ALIGNMENT PIN (MOLDED OR STAKED)  
[SAMTEC DISCRETION ON WHICH  
-A PIN USED]  
(MOLDED 4 POS MIN, SEE FIG 6, SHT 2)  
(STAKED 7 POS MIN, SEE FIG 5, SHT 2)  
(USE FTE-90-D-A)
- M: METAL PICK & PLACE PAD  
USE MPP-17-5 (SEE FIG 9 - SHT 3)  
(10 POS MIN, AVAILABLE IN -01 STYLE ONLY)

FLEX SHROUD OPTIONS

- (STYLE -01 ONLY)
- ES: END SHROUD  
[SAMTEC DISCRETION ON WHICH -ES USED]  
(SEE FIG 3, SHT 2 FOR SNAPPED-ON,  
11 POSITIONS MIN)  
(SEE FIG 8, SHT 2 FOR MOLDED,  
5 POSITIONS PER ROW MIN, SEE TABLE 2)
- EC: END SHROUD WITH LOCKING CLIPS  
(SEE FIG 7, SHT 2)  
(11 POSITIONS MIN)
- EP: END SHROUD WITH GUIDE POSTS  
(SEE FIG 4, SHT 2)  
(11 POSITIONS MIN)



SECTION "A"-A"

TABLE 1	
LEAD STYLE	"A"
-01	.075
-02	.175
-03	.120

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS	ANGLES
.X: ±.1 [2.5]	2°
.XX: ±.01 [0.3]	
.XXX: ±.005 [0.13]	
.XXXX: ±.0020 [0.051]	

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MATERIAL: DO NOT SCALE DRAWING

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INSULATOR: BLACK, LCP, UL 94 VO

TERMINAL: PHOS BRONZE

F:\DWG\MISC\MKTG\FTE-1XX-XX-X-DV-XX-XX-MKT.SLDDRW

**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: .8MM x 1.2MM C.L. TERMINAL STRIP ASSM.

DWG. NO. FTE-1XX-XX-X-DV-XX-XX

BY: DEAN P 9/01/2009 SHEET 1 OF 3

REVISION BF

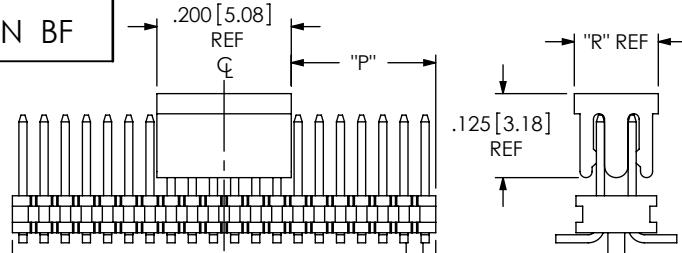


FIG 2  
-P OPTION  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

TABLE 3  
PART NO. "R"  
PPP-37 .125  
PPP-37-NT .190

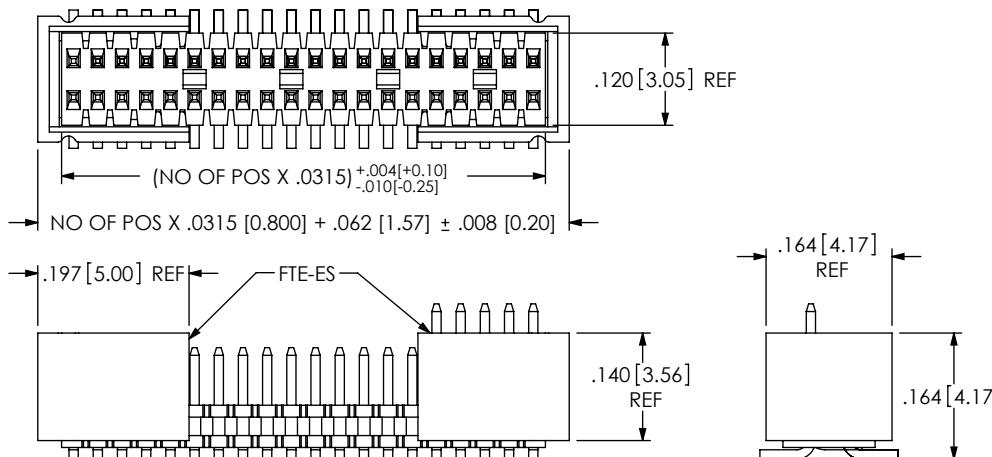


FIG 3  
-ES OPTION (SNAPPED ON) (11 POS MIN)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

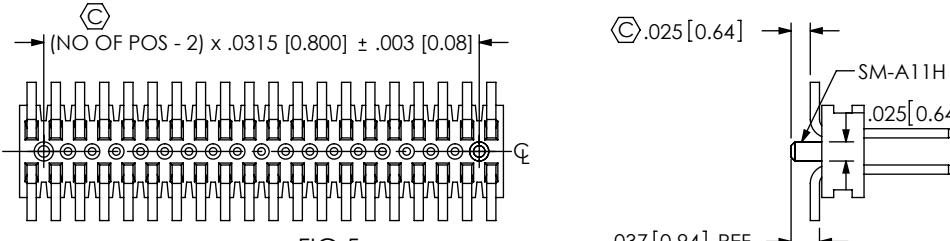


FIG 5  
-A OPTION (STAKED) (7 POS MIN)  
(DIFFERENT AS SHOWN OTHERWISE SAME AS FIG 1)

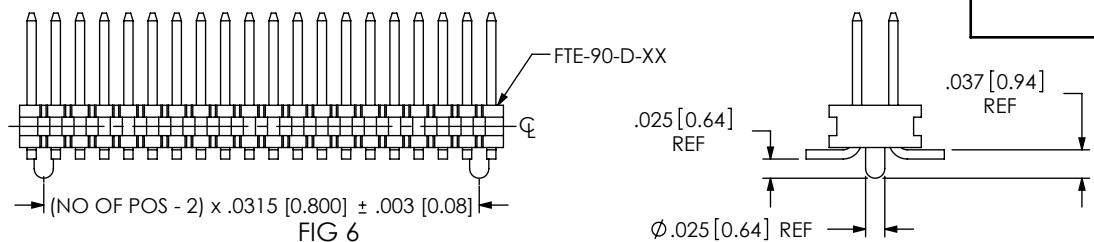


FIG 6  
-A OPTION (MOLDED) (4 POS MIN)  
(DIFFERENT AS SHOWN OTHERWISE SAME AS FIG 1)

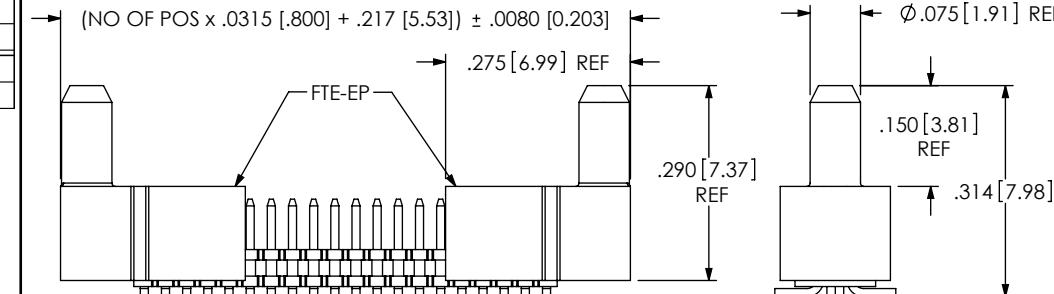


FIG 4  
-EP OPTION  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

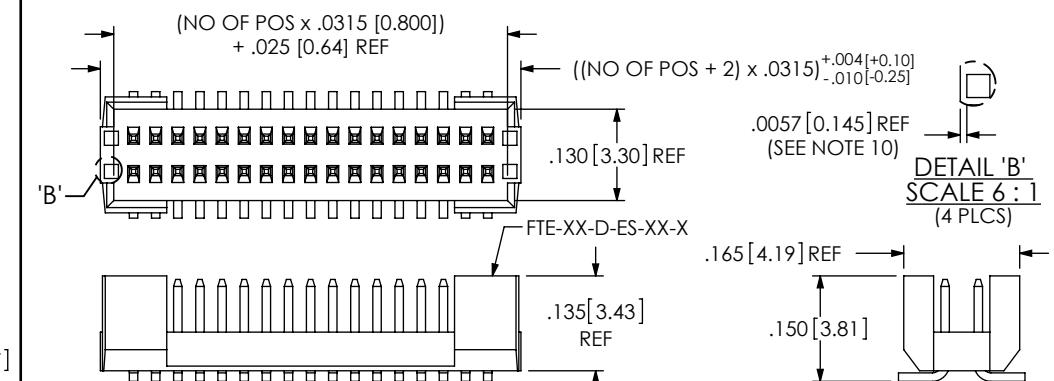


FIG 8  
-ES OPTION (MOLDED) (5 POS MIN)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

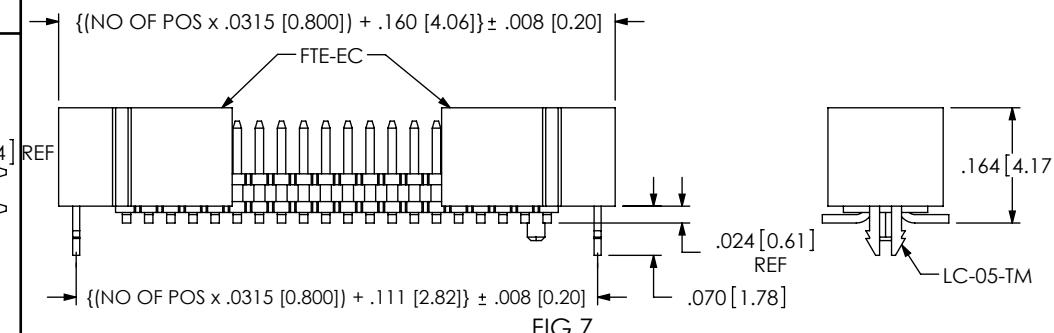


FIG 7  
-EC OPTION  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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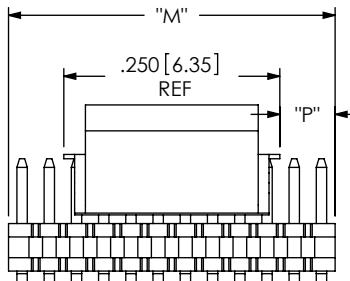
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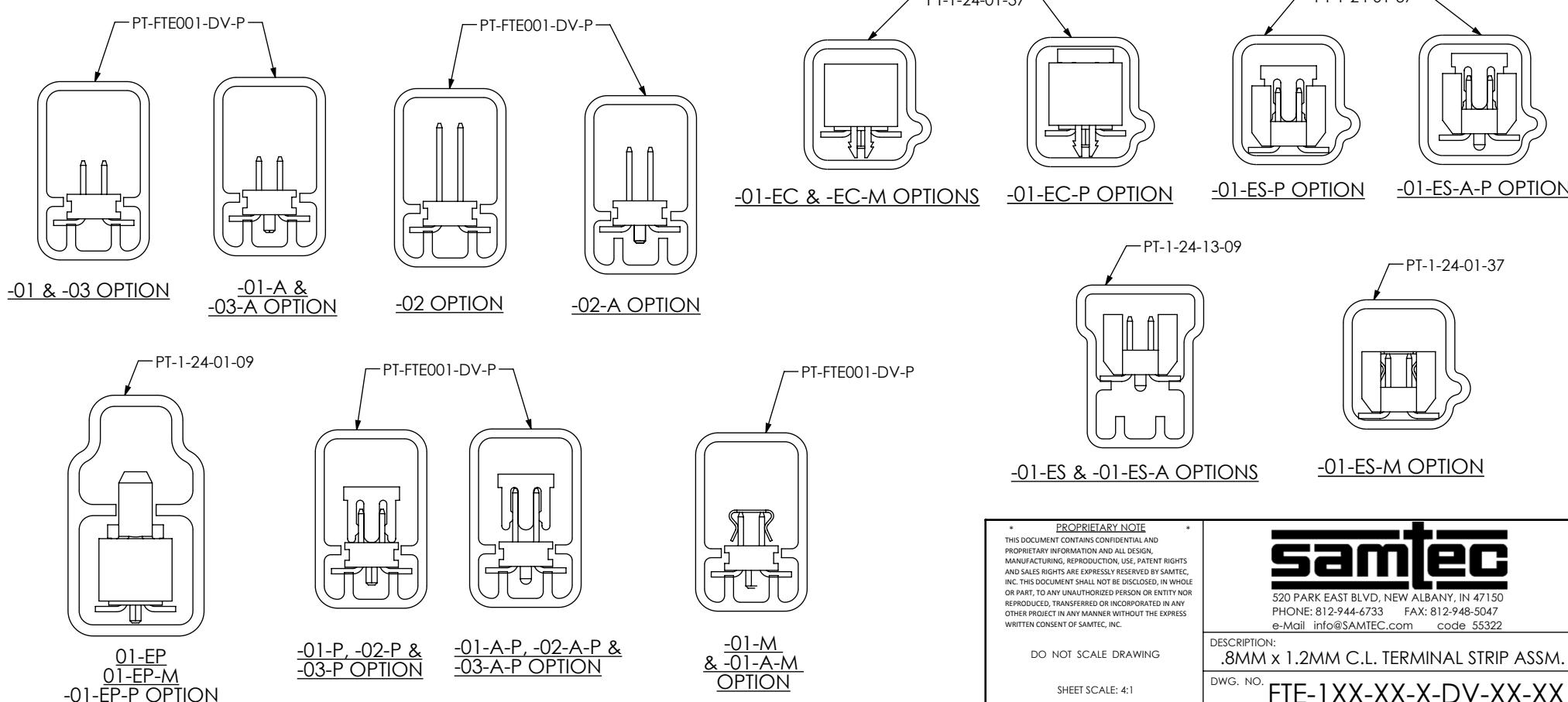


"M" = No OF POSITIONS x .0315 [0.800]

"P" = {("M" - .250 [6.35]) / 2} ±.020 [0.51]

**FIG 9**  
-M OPTION  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

PACKAGING TABLE			
LEAD STYLE	OPTIONS	TUBE	PLUG
-01	NONE, -A	PT-FTE001-DV-P	TP-09
-02	NONE, -A	PT-FTE001-DV-P	TP-09
-03	NONE, -A	PT-FTE001-DV-P	TP-09
-01	-EC, -EC-P -EC-M, -ES-P, -ES-M, -ES-A-P	PT-1-24-01-37	TP-24
-01	-EP, -EP-M, -EP-P	PT-1-24-01-09	TP-24
-01, -02, -03	-P, -A-P	PT-FTE001-DV-P	TP-09
-01	-M, -AM	PT-FTE001-DV-P	TP-09
-01	-ES-A, -ES	PT-1-24-13-09	TP-24



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