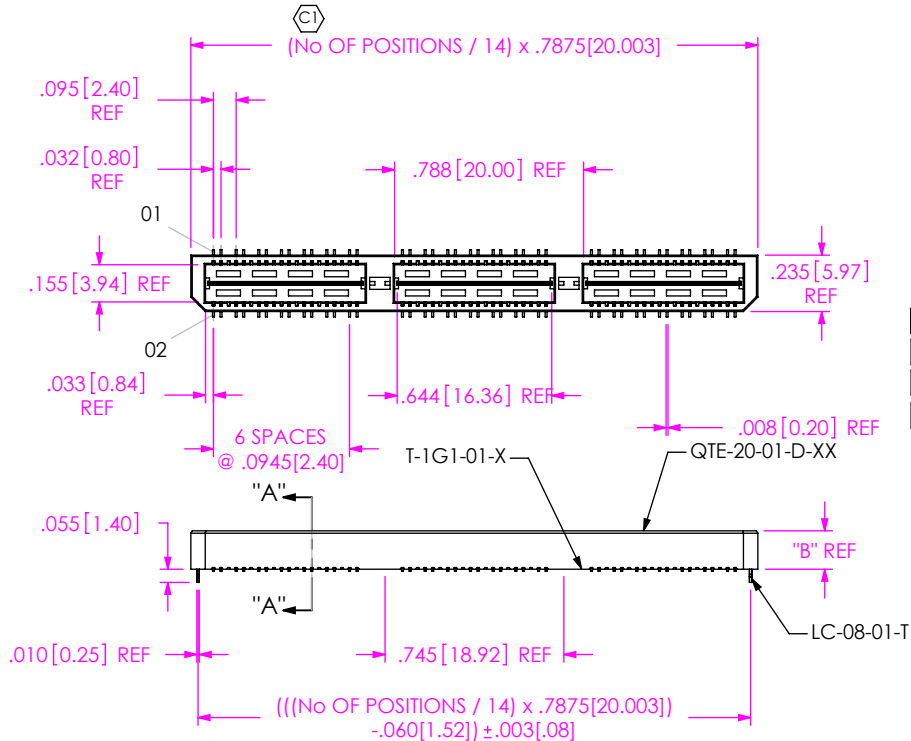


◇ = ASO ONLY (APPLICATION SPECIFIC ORDER)

* = NOT RELEASED FOR PRODUCTION

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THIS PRINT



-LC: LOCKING CLIP OPTION SHOWN

-A: ALIGNMENT PIN OPTION SHOWN
(STYLES -01, -02 & -03)

TABLE 2	
No OF POSITIONS	COPLANARITY (INCLUDES GROUND PLANE)
-014 THRU -042	.0040 [.10]
-056 THRU -070	.0060 [.15]

QTE-XXX-XX-X-D-DP-XXX

No OF POSITIONS
-014, -028, -042,
*-056, *-070
(PER ROW)
* (SEE NOTE 12)

Y

LEAD STYLE

-01: .1680 [4.267] (SEE FIG.1)
-02: .2861 [7.264] (SEE FIG.1)
-03: .4042 [10.267] (SEE FIG.1)
-04: .600 [15.24] (SEE FIG. 4, SHT. 3)
-05: .718 [18.237] (SEE FIG. 4, SHT. 3)
-06: .835 [21.209] (SEE FIG. 4, SHT. 3)
-07: .954 [24.332] (SEE FIG. 4, SHT. 3)
-08: 1.151 [29.24] (SEE FIG. 4, SHT. 3)
-09: .522 [13.258] (SEE FIG. 4, SHT. 3)
-10: .5606 [14.239] (SEE FIG. 4, SHT. 3)

PLATING SPECIFICATION

Y -F: FLASH SELECTIVE GOLD WITH MATTE TIN TAILS
(USE T-1SXX-XX-F, T-1G1-XX-F)
Y -L: LIGHT SELECTIVE GOLD WITH MATTE TIN TAILS
(USE T-1SXX-XX-L, T-1G1-XX-L)
Y -H: HEAVY GOLD WITH FLASH GOLD TAILS
(USE T-1SXX-XX-H, T-1G1-XX-H)
Y -C: ELECTRO-POLISHED SELECTIVE
(USE T-1SXX-XX-C, T-1G1-XX-C)

OPTION

-A: ALIGNMENT PINS
-LC: LOCKING CLIPS
(USE LC-08-TM-01)
-K: POLYAMIDE FILM
(USE K-500-300)
(SEE FIG. 2, SHT. 2)
(N/A ON STYLES -07 & -08)
-GP: GUIDE POSTS
(AVAILABLE ON -01 ONLY)
(USE QTE-20-01-D-XX-X-GP)
(SEE FIG. 3, SHT. 2)
-TR: TAPE & REEL (42 POS. MAX)
(NOT AVAILABLE ON -05, -06,
-07, -08 LEAD STYLES)
(028 POS MAX FOR -GP OPTION)
-RT1: RETENTION OPTION (SEE FIG. 7, SHEET 4)
(ONLY AVAILABLE ON -01 LEAD STYLE)
(MUST USE -A OPTION)
(USE QTE-20-01-D-XX-A-RT1 & T-1R36-01-F)
(NOT AVAILABLE WITH -LC, -GP, -SD, OR -FL)
(NOT AVAILABLE ON -056 & -070 POS)

BODY STYLE

-DP: DIFFERENTIAL PAIRS

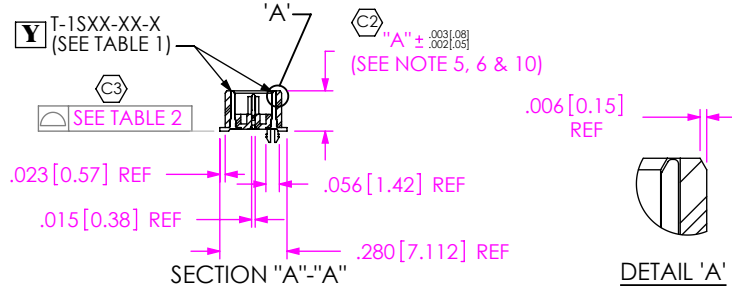
ROW SPECIFICATION

-D: DOUBLE (USE QTE-20-XX-D-XX &
QTEH-20-XX-D-XX)

No OF BANKS

Y T-1SXX-XX-X
(SEE TABLE 1)

SEE TABLE 2



NOTES:

1. ◇ REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM TERMINAL RETENTION: 5 OZ.
3. MINIMUM GROUND PLANE RETENTION: 1 LB.
4. PARTS TO BE MOLDED TO POSITION.
5. MAXIMUM VARIANCE OF .002 [.05].
6. DIMENSION APPLIES TO TERMINALS AND GROUND PLANE.
7. DELETED.
8. DELETED.
9. -L PLATING CAN BE SUBSTITUTED FOR -F PLATING.
10. GROUND PLANE PRESS HEIGHT MUST BE .003 [.08] LESS THAN THE MAX HEIGHT OR .001 [.03] GREATER THAN THE MINIMUM HEIGHT OF THE TERMINALS.
11. T-1R36 RETENTION TO BODY TO BE 1.0 LBF.
12. APPLICATIONS REQUIRING THESE POSITIONS, PLEASE CONTACT SAMTEC INTERCONNECT PROCESSING GROUP.

Y

TABLE 1						MATED HEIGHT WITH QSE-DP-01
STYLE	"A"	"B"	BODY	GROUND PLANE	TERMINAL	
-01	.1680 [4.267]	.1600 [4.064]	QTE-20-01-D-XX	T-1G1-01-X	T-1S39-01-X	.197 [5.00] REF
-02	.2861 [7.267]	.2781 [7.064]	QTE-20-02-D-XX	T-1G1-02-X	T-1S59-02-X	.315 [8.00] REF
-03	.4042 [10.267]	.3962 [10.063]	QTE-20-03-D-XX	T-1G1-03-X	T-1S39-03-X	.433 [11.00] REF

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES

.XX: ±.01 [.3]

.XXX: ±.005 [.13]

.XXXX: ±.0020 [.051]

2°

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MATERIAL:

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SHEET SCALE: 1.25:1

INSULATOR: LCP, BLACK
TERMINAL: PHOS BRONZE
GROUND PLANE: PHOS BRONZE

DESCRIPTION:

.8mm DIFFERENTIAL PAIRS HS TERMINAL ASSEMBLY

DWG. NO.

QTE-XXX-XX-X-D-DP-XXX

BY: DEAN P

4/28/2000

SHEET 1 OF 4

F:\DWG\MISC\MKTG\QTE-XXX-XX-X-D-DP-XXX-MKT.SLDDRW

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e-Mail: info@SAMTEC.com code: 55322

FIG. 2

-K: POLYAMIDE FILM PAD
[USE K-500-300]

NOTE: "R" = (No OF POSITIONS / 14) x .7875[20.003]
"S" = ("R" - .275[6.99]) / 2 ±.020[.51]

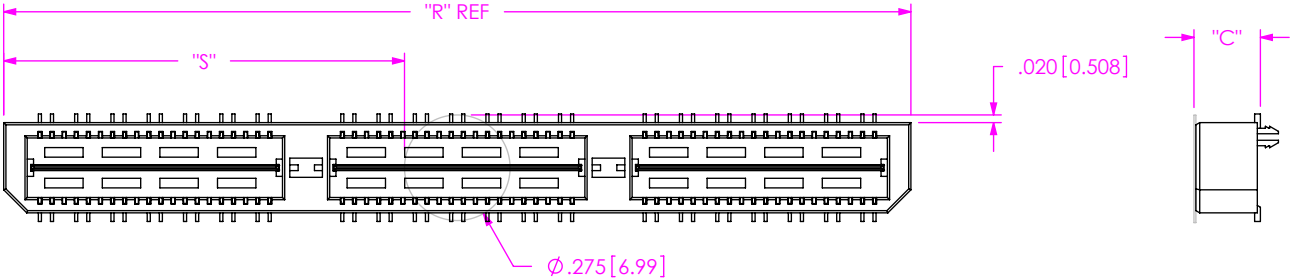
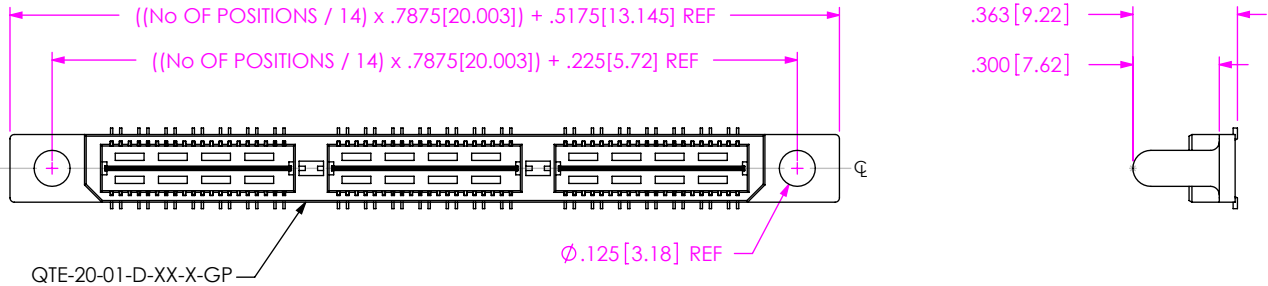


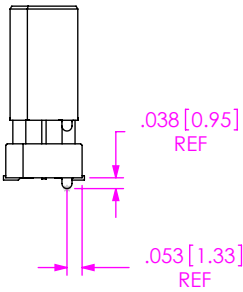
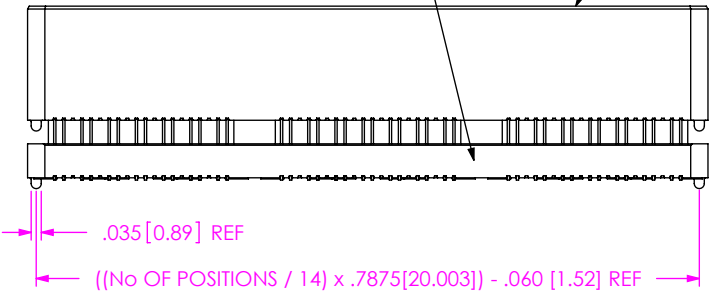
TABLE 3	
STYLE	"C"
-01	.173[4.39]
-02	.291[7.39]
-03	.409[10.39]
-04	.605[15.37]
-05	.723[18.36]
-06	.841[21.36]
-09	.527[13.39]
-10	.567[14.37]

FIG. 3

-GP: GUIDE POST OPTION
(-01 LEAD STYLE ONLY)
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)



QTEH-20-XX-D-XX-A
QTE-20-03-D-XX-A
(-LC BODY MAY BE USED TO SUBSTITUTE)



-A: ALIGNMENT PIN OPTION
(STYLES -04, -05, -06, -07, -08, -09, -10)

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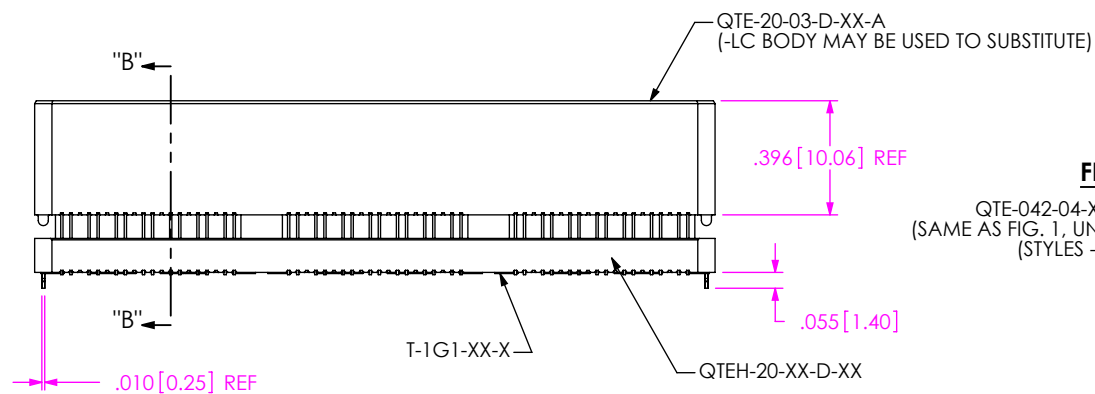
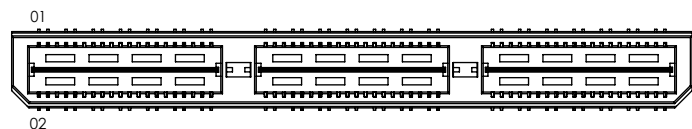
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e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
.8mm DIFFERENTIAL PAIRS HS TERMINAL ASSEMBLY

DWG. NO.
QTE-XXX-XX-X-D-DP-XXX

BY: DEAN P 4/28/2000 SHEET 2 OF 4



-LC: LOCKING CLIP OPTION SHOWN

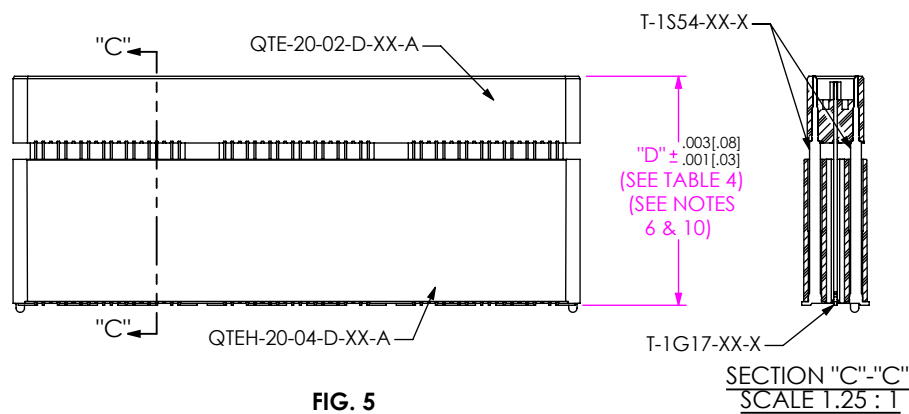
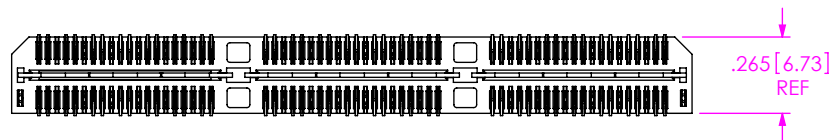
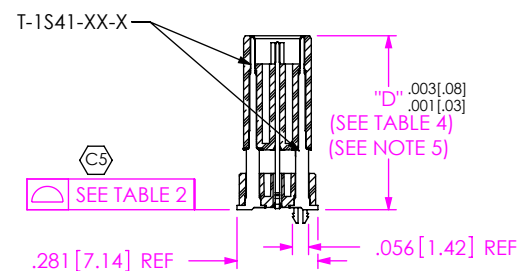


FIG. 5
QTE-042-07-X-D-DP-A SHOWN
[DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 4]
(STYLES -07 & -08)

TABLE 4						MATED HEIGHT WITH QSE-DP-01
STYLE	"D"	GROUND PLANE	TERMINAL	FILLER BODY	SPACER BODY	
-04	.600 [15.24]	T-1G1-04-X	T-1S41-04-X	QTE-20-03-D-XX	QTEH-20-01-D-XX-X	.630 [16.00] REF
-05	.718 [18.237]	T-1G1-05-X	T-1S41-05-X	QTE-20-03-D-XX	QTEH-20-01-D-XX-X	.748 [19.00] REF
-06	.835 [21.209]	T-1G1-06-X	T-1S41-06-X	QTE-20-03-D-XX	QTEH-20-02-D-XX-X	.866 [22.00] REF
-07	.954 [24.232]	T-1G17-01-X	T-1S61-01-X	QTEH-20-04-D-XX-X	QTE-20-02-D-XX-X	.984 [25.00] REF
-08	1.151 [29.24]	T-1G17-02-X	T-1S54-02-X	QTEH-20-04-D-XX-X	QTE-20-02-D-XX-X	1.181 [30.00] REF
-09	.522 [13.259]	T-1G1-09-X	T-1S60-09-x	QTEH-20-01-D-XX-X	QTE-20-02-D-XX-X	.551 [14.00] REF
-10	.5606 [14.239]	T-1G1-10-X	T-1S60-10-x	QTEH-20-01-D-XX-X	QTE-20-02-D-XX-X	.591 [15.00] REF

FIG. 4

QTE-042-04-X-D-DP-LC SHOWN
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)
(STYLES -04, -05, & -06)



SECTION "B"-"B"

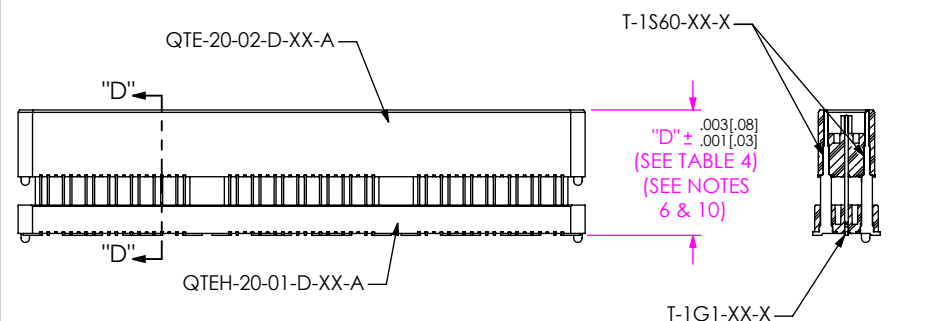


FIG. 6

QTE-042-09-X-D-DP-A SHOWN
[DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 4]
(STYLES -09 & -10)

SECTION "D"-"D"
SCALE 1.25 : 1

F:\DWG\MISC\MKTG\QTE-XXX-XX-X-D-DP-XXX-MKT.SLDDRW

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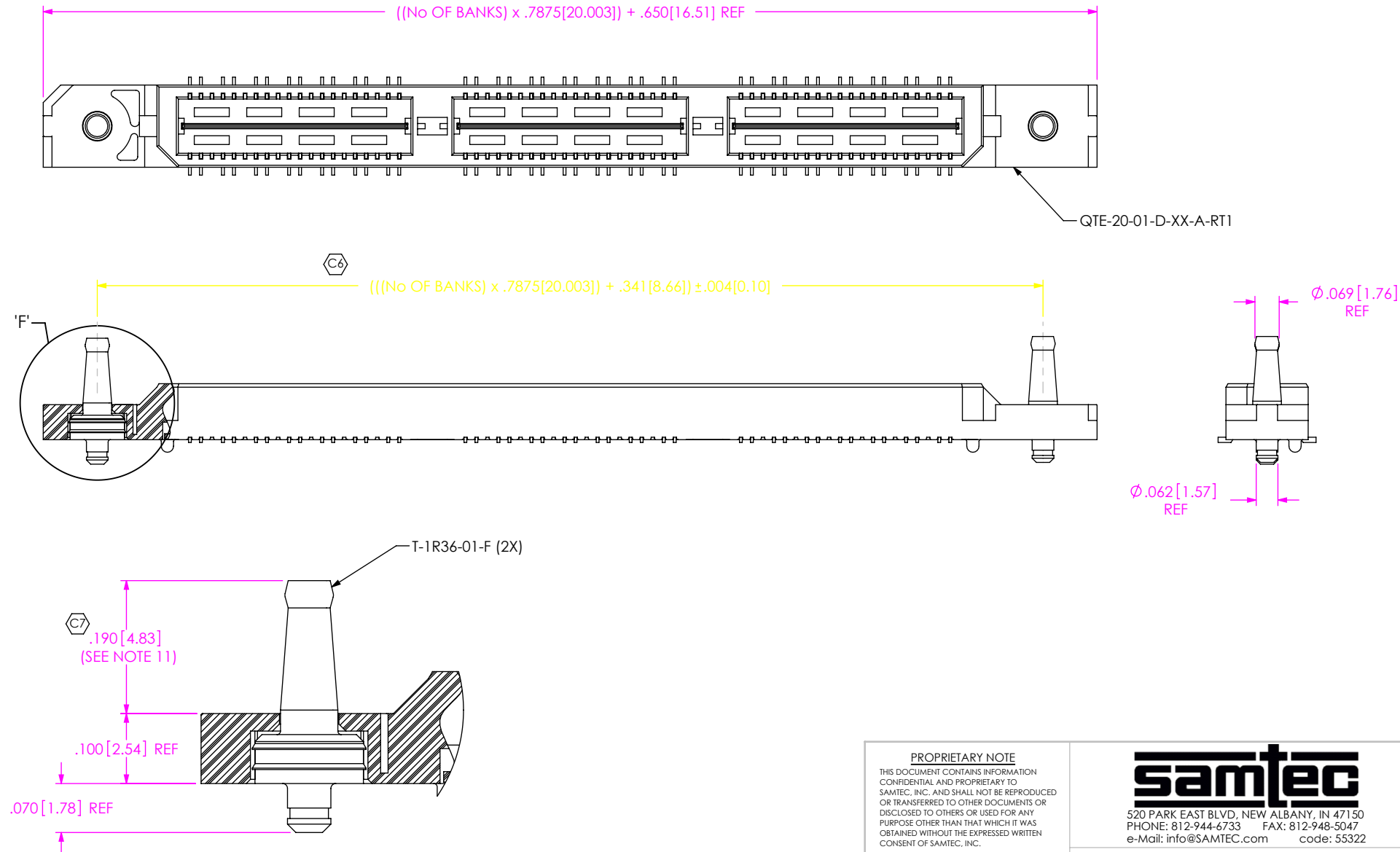
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QTE-XXX-XX-X-D-DP-XXX

BY: DEAN P 4/28/2000 SHEET 3 OF 4

FIG. 7
 -RT1: RETENTION OPTION
 (ONLY AVAILABLE ON -01 LEAD STYLE)(MUST USE -A OPTION)
 (NOT AVAILABLE WITH -LC, -GP, -SD, OR -FL OPTIONS)
 (NOT AVAILABLE ON -056 & -070 POSITIONS)
 (SAME AS FIG. 1, UNLESS OTHERWISE STATED)



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DWG. NO.

QTE-XXX-XX-X-D-DP-XXX

BY: DEAN P

4/28/2000

SHEET 4 OF 4