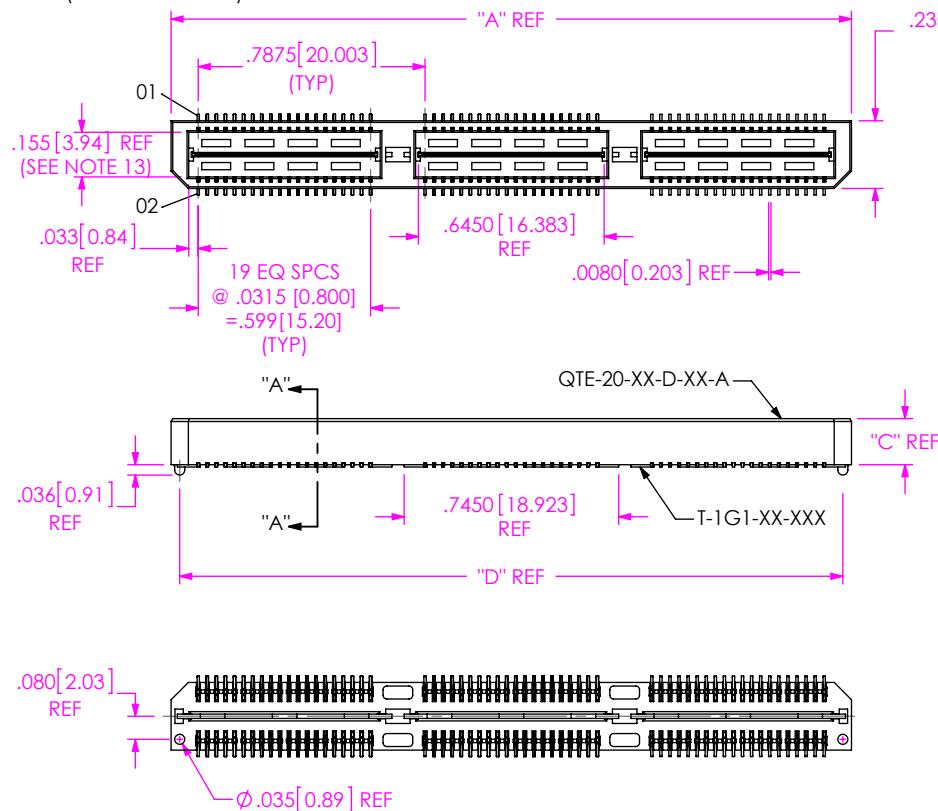


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SCALE FROM
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STYLE	TABLE 1				MATED HEIGHT WITH QSE-01
	"B"	"C"	BODY	GROUND PLANE	
-01	.1680 [4.267]	.1600 [4.064]	QTE-20-01-D-XX	T-1G1-01-XXX	.197 [5.00] REF
-02	.2861 [7.267]	.2781 [7.064]	QTE-20-02-D-XX	T-1G1-02-XXX	.159 [8.00] REF
-03	.4042 [10.267]	.3962 [10.063]	QTE-20-03-D-XX	T-1G1-03-XXX	.433 [11.00] REF

TABLE 3		
No OF POS	"A"	"D"
-020	.788 [20.00]	.728 [18.48]
-040	1.575 [40.01]	1.515 [38.48]
-060	2.363 [60.01]	2.303 [58.48]
*-080	3.150 [80.01]	3.090 [78.49]
*-100	3.938 [100.01]	3.878 [98.49]

* = (SEE NOTE 11 & 14)



NOTES:

1. \odot REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM TERMINAL RETENTION: 8 OZ.
3. MINIMUM GROUND PLANE RETENTION: 1 LB.
4. PARTS TO BE MOLDED TO POSITION.
5. MAXIMUM VARIANCE OF .002 [0.05].
6. DIMENSION APPLIES TO TERMINALS AND GROUND PLANE.
7. T-1SXX-XX-L CAN BE SUBSTITUTED FOR T-1SXX-XX-F.
8. NOTE DELETED.
9. GROUND PLANE PRESS HEIGHT MUST BE .003[0.08] LESS THAN THE MAX HEIGHT OR .001[0.03] GREATER THAN THE MINIMUM HEIGHT OF THE TERMINALS.
10. T-1R36 RETENTION TO BODY TO BE 1.0 LBF.
11. NOTE DELETED.
12. DUE TO THE HIGH AMOUNT OF INSERTION FORCE NEEDED, THE -LC OPTION IS NOT COMPATIBLE WITH AUTO PLACEMENT. SAMTEC RECOMMENDS MANUAL PLACEMENT FOR ALL ASSEMBLIES WITH THE -LC OPTION.
13. PIN CAN EXTEND PAST WALL .003[0.08] MAX.
14. AVAILABLE FOR EXISTING CUSTOMERS ONLY.

FIG 1
-A: ALIGNMENT PIN OPTION
(QTE-060-01-XXX-D-A SHOWN)
(STYLE -01, -02 & -03 ONLY)

QTE-XXX-XX-XXX-D-XXX

NO OF POSITIONS

-020, -040, -060,
*-080, *-100
(PER ROW)

* = (SEE NOTE 14)

LEAD STYLE

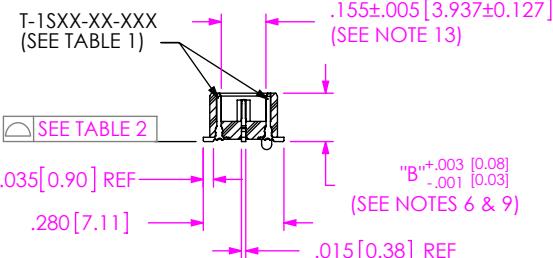
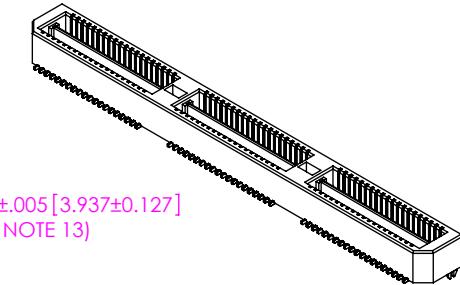
-01: .1680 [4.267]
-02: .2861 [7.267]
-03: .4042 [10.267]
-04: .6010 [15.265]
-05: .7190 [18.263]
-06: .8370 [21.260]
-07: .9540 [24.231]
-08: 1.1510 [29.260]
-09: .5220 [13.258]
-10: .5606 [14.239]

PLATING SPECIFICATION

-F: 3 μ FLASH GOLD IN CONTACT AREA, MATTE TIN ON TAIL
(USE T-1SXX-XX-F, T-1G1-XX-F) (SEE NOTE 07)
-L: 10 μ LIGHT GOLD IN CONTACT AREA, MATTE TIN ON TAIL
(USE T-1SXX-XX-L, T-1G1-XX-L)
-H: 30 μ HEAVY GOLD IN CONTACT AREA, 3 μ GOLD ON TAIL
(USE T-1SXX-XX-H, T-1G1-XX-G)
-C: 50 μ ELECTRO-POLISHED SELECTIVE IN CONTACT AREA, MATTE TIN ON TAIL
(USE T-1SXX-XX-C, T-1G1-XX-L)
-STL: 30 μ HEAVY SELECTIVE GOLD IN CONTACT AREA, TIN LEAD ON TAIL
(USE T-1SXX-XX-STL, T-1G1-XX-STL)
-FTL: 3 μ FLASH SELECTIVE GOLD IN CONTACT AREA, TIN LEAD ON TAIL
(USE T-1SXX-XX-FTL, T-1G1-XX-FTL)

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

No OF BANKS



SECTION "A"-A"

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS
.XX: $\pm .01$ [0.3]
.XXX: $\pm .005$ [0.13]
.XXXX: $\pm .0020$ [0.051]

ANGLES
2 $^\circ$
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MATERIAL:

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SHEET SCALE: 1:51

INSULATOR: LCP, UL94V-0; COLOR: BLACK
TERMINAL: PHOS BRONZE
GROUND PLANE: PHOS BRONZE

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

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DESCRIPTION: .8mm DOUBLE ROW HS TERMINAL ASSEMBLY

DWG. NO.

QTE-XXX-XX-XXX-D-XXX

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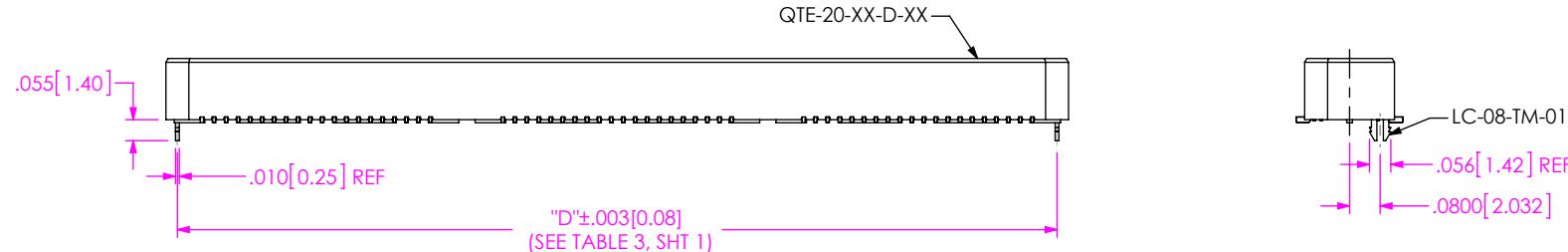


FIG 2
 -LC: LOCKING CLIP OPTION
 (QTE-060-01-XXX-D-LC SHOWN)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

TABLE 4

No OF POS	"R"				"S"			
	-LC, -A, -FL	-GP, -SD	-RT1	-L	-LC, -A, -FL	-GP, -SD	-RT1	-L
-020	.788 [20.00]	1.305 [33.15]	1.438 [36.53]	.906 [23.00]	.256 [6.50]	.515 [13.07]	.581 [14.76]	.315 [7.99]
-040	1.575 [40.01]	2.093 [53.15]	2.226 [56.53]	1.693 [43.00]	.650 [16.50]	.908 [23.07]	.975 [24.76]	.709 [18.00]
-060	2.363 [60.01]	2.880 [73.15]	3.013 [76.53]	N/A	1.043 [26.50]	1.302 [33.07]	1.369 [34.76]	N/A
*-080	3.150 [80.01]	3.668 [93.15]	3.801 [96.53]	N/A	1.437 [36.50]	1.696 [43.07]	1.762 [44.76]	N/A
*-100	3.938 [100.01]	4.455 [113.16]	N/A	N/A	1.831 [46.50]	2.090 [53.07]	N/A	N/A

* = (SEE NOTE 11 & 14)

TABLE 5

STYLE	"T"
-01	.173[4.39]
-02	.291[7.39]
-03	.409[10.39]
-04	.605[15.37]
-05	.721[18.31]
-06	.840[21.33]
-09	.528 [13.41]
-10	.567[14.37]

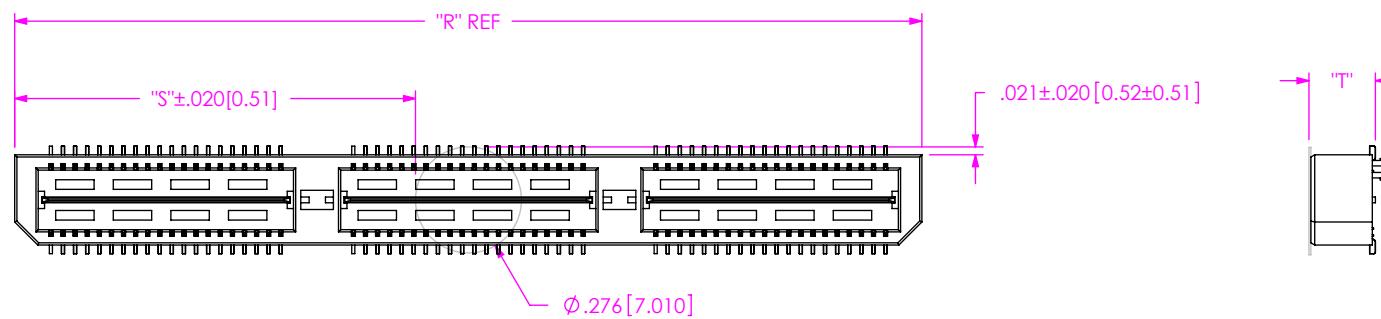


FIG 3
 -K: POLYIMIDE FILM PAD
 (USE K-DOT-.276-.375-.005)

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 e-Mail: info@SAMTEC.com code 55322

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 .8mm DOUBLE ROW HS TERMINAL ASSEMBLY

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

BY: DEAN P 09-14-2010 SHEET 2 OF 7

TABLE 6		
POS	"E"	"F"
-020	1.305 [33.15]	1.013 [25.72]
-040	2.093 [53.15]	1.800 [45.72]
-060	2.880 [73.15]	2.588 [65.72]
*-080	3.668 [93.15]	3.375 [85.73]
*-100	4.455 [113.16]	4.163 [105.73]

* = (SEE NOTE 11 & 14)

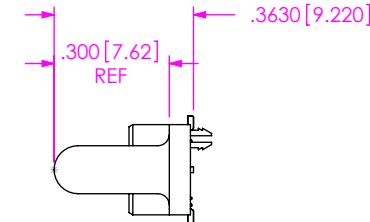
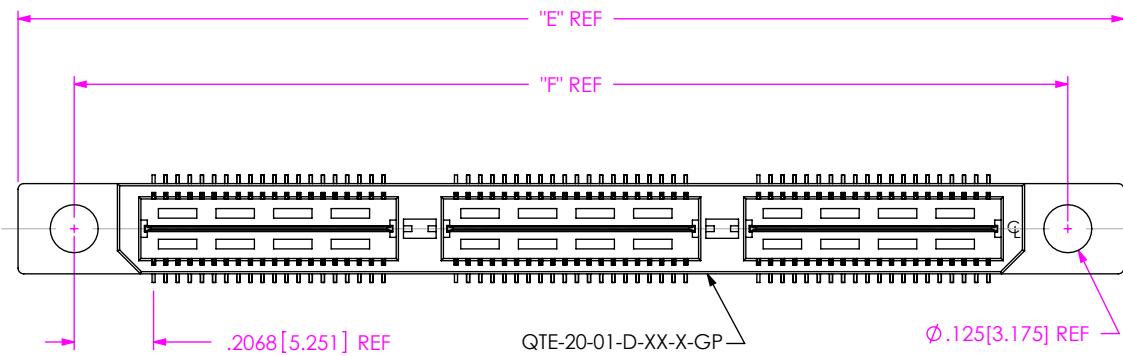


FIG 4
 -GP: GUIDE POST OPTION
 (QTE-060-01-XXX-D-GP SHOWN)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
 (AVAILABLE ON STYLE -01 ONLY)

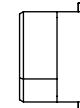
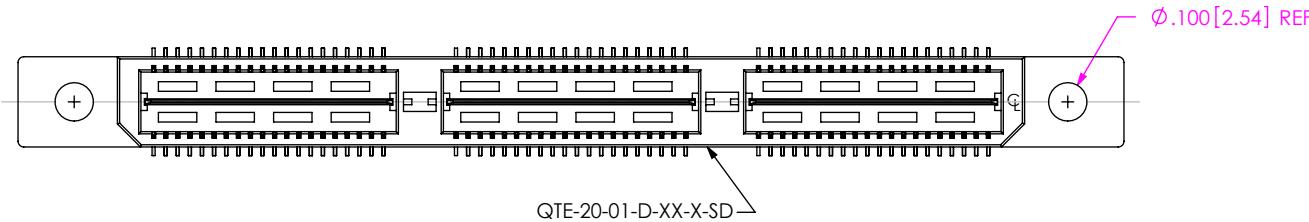


FIG 5
 -SD: SCREW DOWN OPTION
 (QTE-060-01-XXX-D-A-SD SHOWN)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 4)
 (AVAILABLE ON STYLE -01 ONLY)

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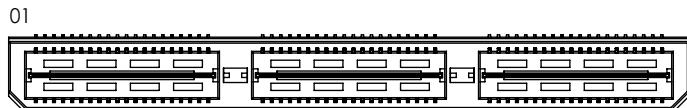
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 DWG. NO. QTE-XXX-XX-XXX-D-XXX
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FIG 6

QTE-060-04-X-D-LC SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(STYLES -04, -05 & -06)



02

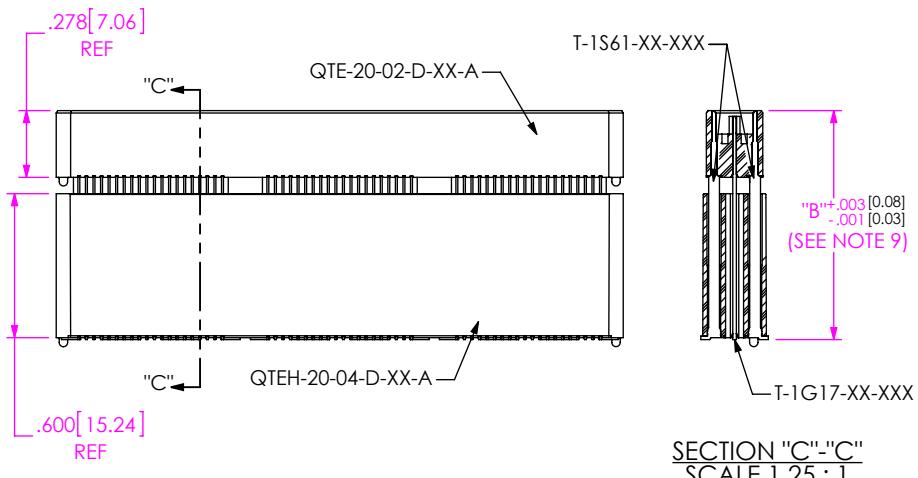
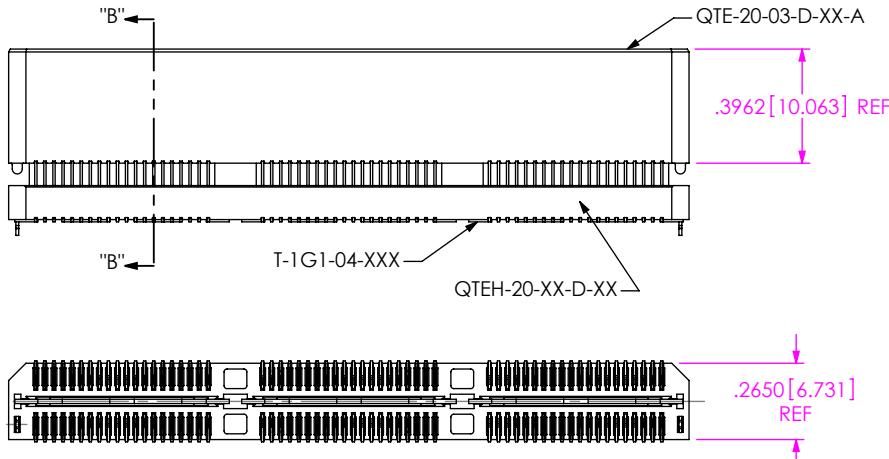
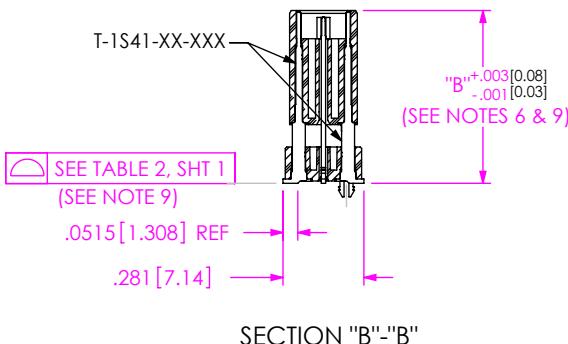


FIG 7

QTE-060-07-X-D-A SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 6)
(STYLES -07 & -08)

STYLE	"B"	GROUND PLANE	TERMINAL	BOTTOM SPACER BODY	TOP BODY	MATED HEIGHT
						WITH QSE-01
-04	.6010 [15.265]	T-1G1-04-XXX	T-1S41-04-XXX	QTEH-20-01-D-XX-X	QTE-20-03-D-XX-X	.630[16.00] REF
-05	.7190 [18.263]	T-1G1-05-XXX	T-1S41-05-XXX	QTEH-20-01-D-XX-X	QTE-20-03-D-XX-X	.748[19.00] REF
-06	.8370 [21.260]	T-1G1-06-XXX	T-1S41-06-XXX	QTEH-20-02-D-XX-X	QTE-20-03-D-XX-X	.866[22.00] REF
-07	.9540 [24.232]	T-1G17-01-XXX	T-1S61-21-XXX	QTEH-20-04-D-XX-X	QTE-20-02-D-XX-X	.984[25.00] REF
-08	1.1510 [29.235]	T-1G17-02-XXX	T-1S61-22-XXX	QTEH-20-04-D-XX-X	QTE-20-02-D-XX-X	1.181[30.00] REF
-09	.5220 [13.259]	T-1G1-09-XXX	T-1S60-09-XXX	QTEH-20-01-D-XX-X	QTE-20-02-D-XX-X	.551[14.00] REF
-10	.5606 [14.239]	T-1G1-10-XXX	T-1S60-10-XXX	QTEH-20-01-D-XX-X	QTE-20-02-D-XX-X	.591[15.00] REF

TABLE 7



SECTION "B"- "B"

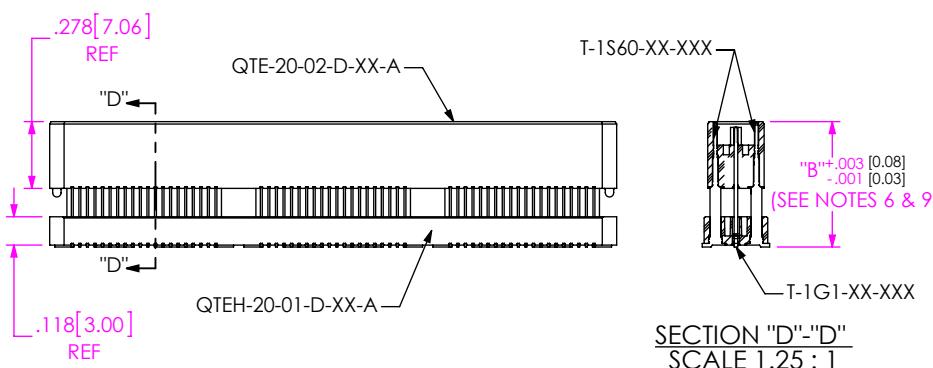
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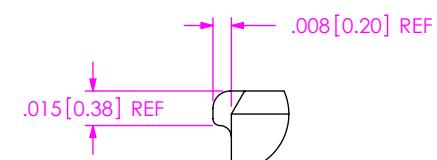
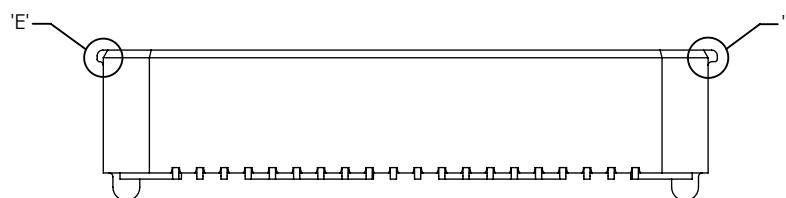
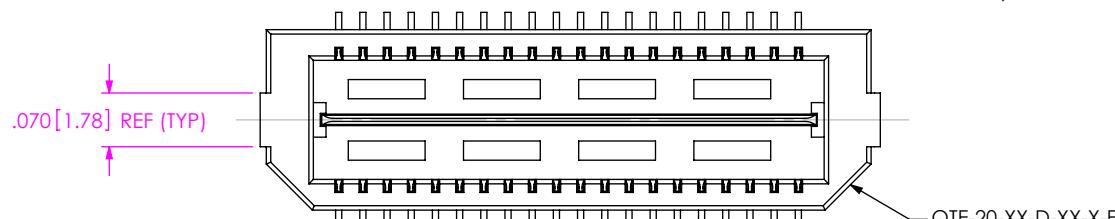
FIG 8
QTE-060-09-X-D-A SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 6)
(STYLES -09 & -10)

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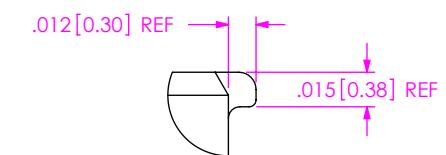
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FIG 9
 -FL: FRICTION LOCKS
 (QTE-020-01-XXX-D-A-FL SHOWN)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
 (ONLY AVAILABLE ON -01 & -02 LEAD STYLES)
 (NOT AVAILABLE WITH -GP, -SD OPTIONS)



DETAIL 'E'
 SCALE 12 : 1



DETAIL 'F'
 SCALE 12 : 1

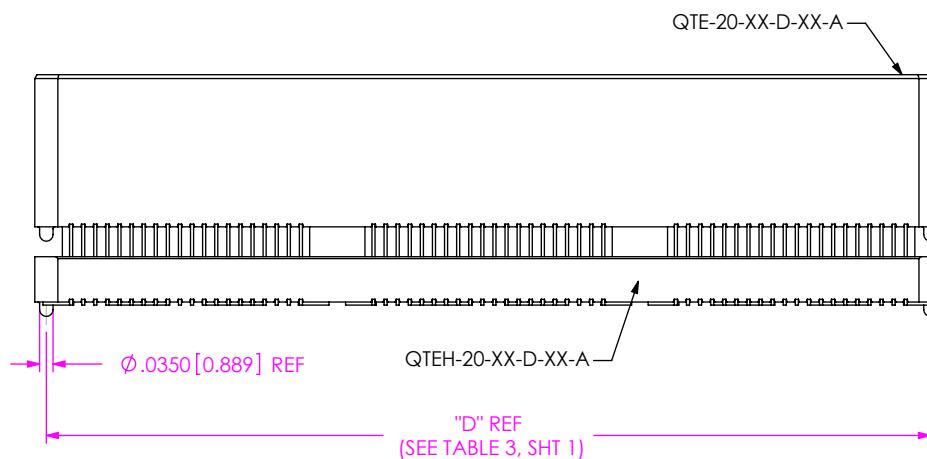
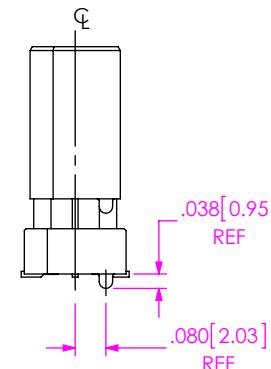


FIG 10
 (QTE-020-04-XXX-D-A SHOWN)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
 (STYLES -04, -05, -06, -07, -08, -09 & -10, SEE TABLE 7, SHT 4)



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REVISION CH

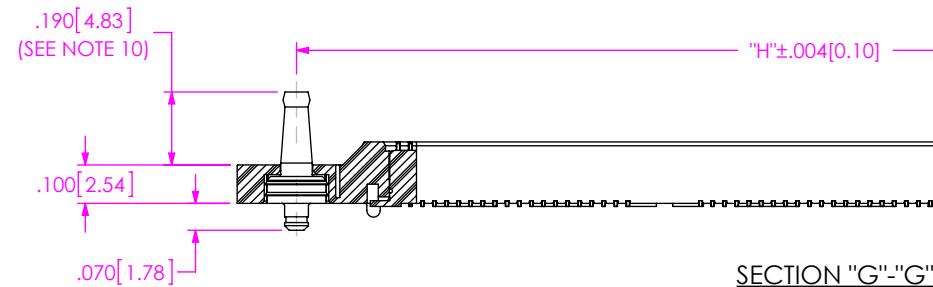
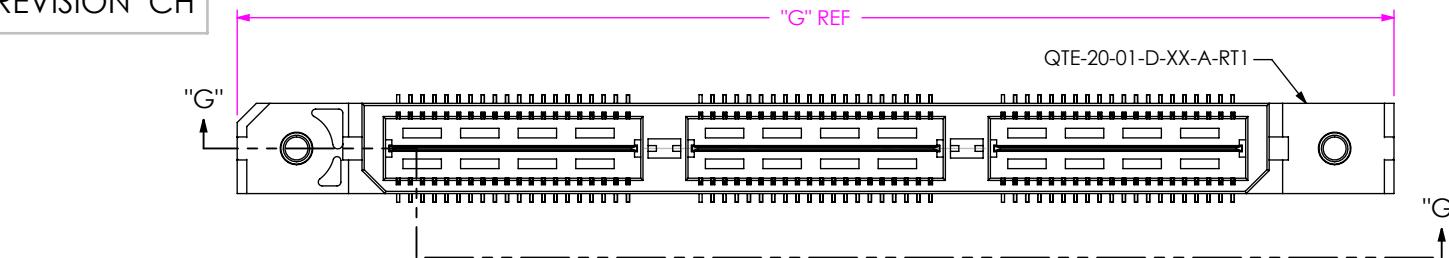


FIG 11
-RT1: RETENTION OPTION
(QTE-060-01-XXX-D-A-RT1 SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(ONLY AVAILABLE ON -01 LEAD STYLE) (MUST USE -A OPTION)
(NOT AVAILABLE WITH -LC, -GP, -SD, OR -FL OPTIONS)
(NOT AVAILABLE ON -100 POSITION)

TABLE 8		
POS	"G"	"H"
-020	1.438 [36.53]	1.129 [28.68]
-040	2.226 [56.53]	1.917 [48.68]
-060	3.013 [76.53]	2.704 [68.68]
*-080	3.801 [96.53]	3.492 [88.68]
*-100	N/A	N/A

* = (SEE NOTE 11 & 14)

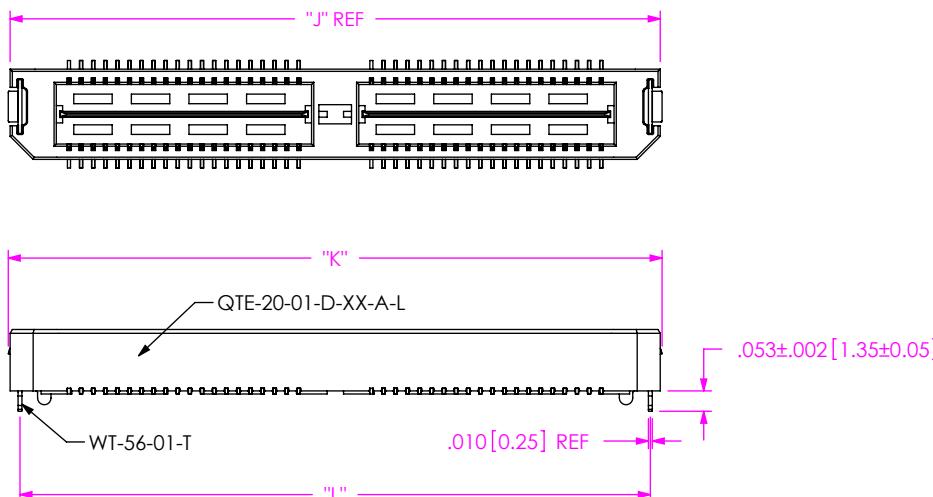
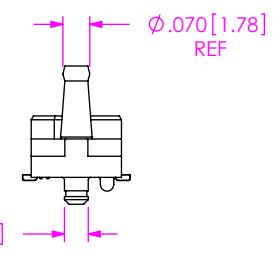
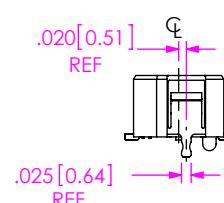


FIG 12
-L: LATCHING OPTION
(QTE-040-01-XXX-D-A-L SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(40 POS. MAX.) (MUST USE -A OPTION)
(AVAILABLE ON -01 LEAD STYLE ONLY)
(NOT AVAILABLE WITH -LC, -GP, -SD, -FL, OR -RT1)

TABLE 9			
POS	"J"	"K"	"L"
-020	.906 [23.00]	.915 [23.24]	.854 [21.69]
-040	1.693 [43.00]	1.703 [43.24]	1.642 [41.69]
-060	N/A	N/A	N/A
*-080	N/A	N/A	N/A
*-100	N/A	N/A	N/A

* = (SEE NOTE 11 & 14)



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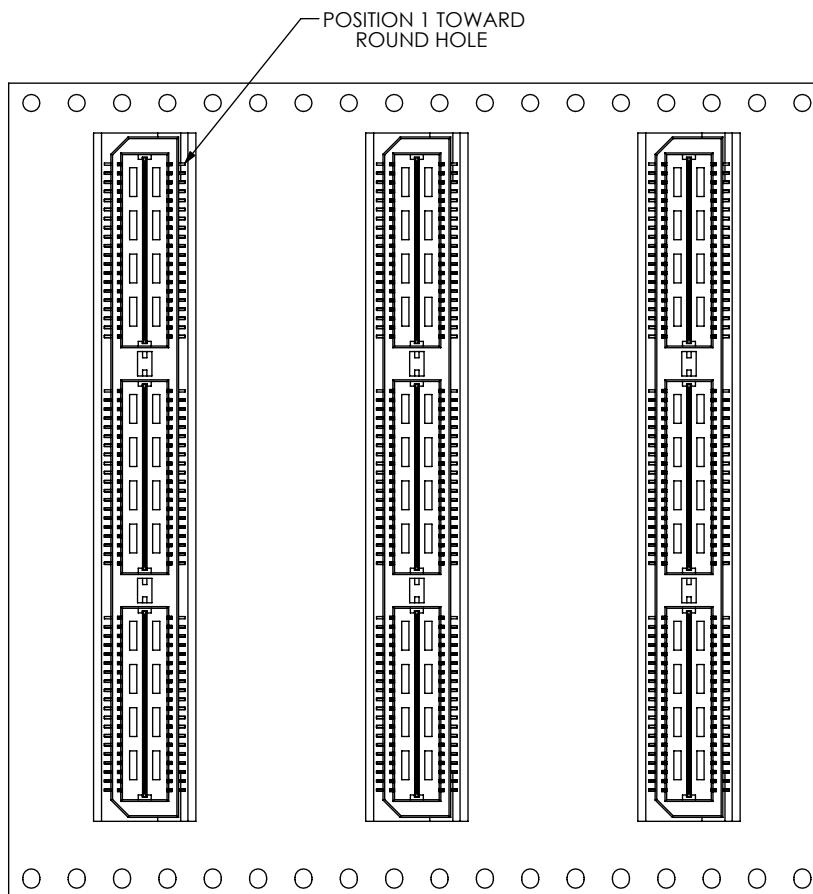
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 DWG. NO.
QTE-XXX-XX-XXX-D-XXX

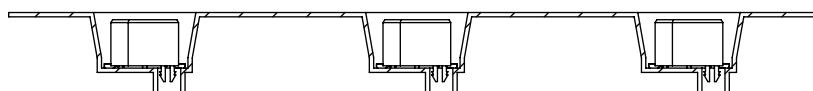
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FIG 13

-TR: PACKAGING OPTION
(QTE-060-01-XXX-D-LC-TR SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(60 POS MAX)
(40 POS MAX WITH -GP OPTION)
(NOT AVAILABLE ON LEAD STYLES -05, -06, -07 & -08)



USER DIRECTION OF UN-REELING
POCKET NOT DETAILED



CRITICAL DIMENSION INSPECTION INSTRUCTION TABLE

ASSEMBLY OPERATION	IN PROCESS INSPECTION
FILL T-1SXX	C1, C2, C3, C4, C5
ADD -LC OPTION	C14
ADD -RT1 OPTION	C6, C8
ADD -L OPTION	C9, C10, C11
ADD -K OPTION	C16, C15
CPC'S INTENTIONALLY DELETED: C7, C12	

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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 DOUBLE ROW HS TERMINAL ASSEMBLY

DWG. NO.

QTE-XXX-XX-XXX-D-XXX

BY: DEAN P 09-14-2010 SHEET 7 OF 7