

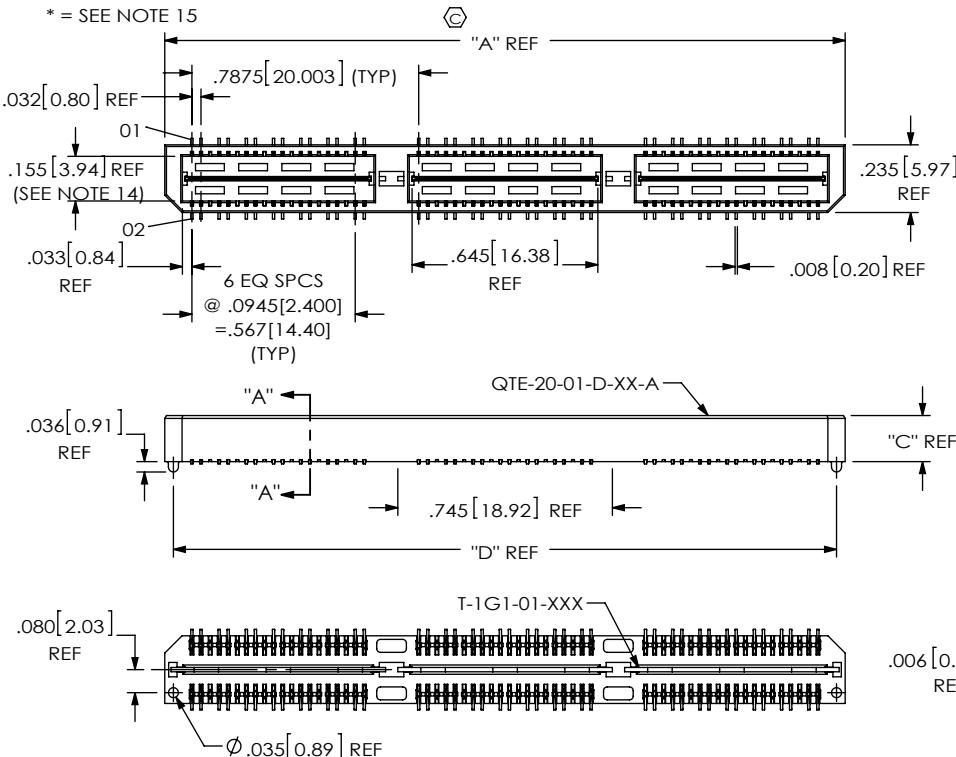
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◇ = ASO ONLY (APPLICATION SPECIFIC ORDER)

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

TABLE 3		
No OF POS	"A"	"D"
-014	.788 [20.00]	.728 [18.48]
-028	1.575 [40.01]	1.515 [38.48]
-042	2.363 [60.01]	2.303 [58.48]
*-056	3.150 [80.01]	3.090 [78.49]
*-070	3.938 [100.01]	3.878 [98.49]

* = SEE NOTE 15



NOTES:

- ◇ REPRESENTS A CRITICAL DIMENSION.
- MINIMUM TERMINAL RETENTION: 5 OZ.
- MINIMUM GROUND PLANE RETENTION: 1 LB
- PARTS TO BE MOLDED TO POSITION.
- MAXIMUM VARIANCE OF .002 [0.05]
- DIMENSION APPLIES TO TERMINALS AND GROUND PLANE.
- DELETED.
- DELETED.
- L PLATING CAN BE SUBSTITUTED FOR -F PLATING.
- 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.
- T-1R36 RETENTION TO BODY TO BE 1.0 LBF.
- NOTE DELETED.
- 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.
- MAXIMUM PIN CAN EXTEND PAST WALL: .003[0.08]
- AVAILABLE FOR EXISTING CUSTOMERS ONLY.

FIG 1
-A: ALIGNMENT PIN OPTION
(QTE-042-01-XXX-D-DP-A SHOWN)
(STYLE -01, -02 & -03 ONLY)

DETAIL 'B'
SCALE 6 : 1

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS ANGLES
.XX: ±.01 [.3] 2°
.XXX: ±.005 [.13] ²
.XXXX: ±.0020 [.051]

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1:5:1

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

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 DIFFERENTIAL PAIRS HS TERMINAL ASSEMBLY

DWG. NO.

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

BY: DEAN P 4/28/2000 SHEET 1 OF 5

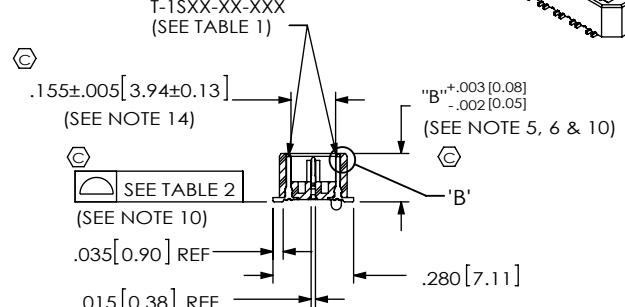
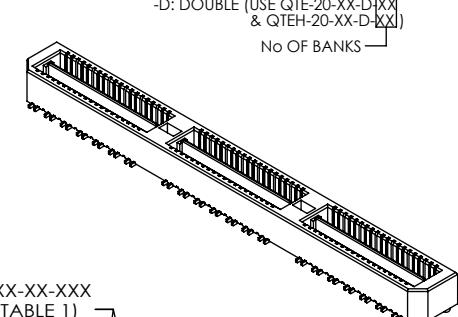
QTE-XXX-XX-XXX-D-DP-XXX

OPTION
-A: ALIGNMENT PINS
-LC: LOCKING CLIPS (SEE NOTE 13)
-*056 *-070
(PER ROW)
(*SEE NOTE 15)

LEAD STYLE
-01: .1680 [4.267] (SEE FIG 1)
-02: .2861 [7.264] (SEE FIG 1)
-03: .4042 [11.23] (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 [24.232]
-08: 1.151 [29.24]
-09: .522 [13.258]
-10: .560 [14.239]

PLATING SPECIFICATION

-F: 3μ" FLASH GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
(USE T-1SXX-XX-F, T-1G1-XX-F) (SEE NOTE 9)
-L: 10μ" LIGHT GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
(USE T-1SXX-XX-L, T-1G1-XX-L)
-H: 30μ" HEAVY GOLD IN CONTACT AREA,
3μ" GOLD ON TAIL
(USE T-1SXX-XX-H, T-1G1-XX-G)
-C: 50μ" ELECTRO-POLISHED SELECTIVE IN
CONTACT AREA, MATTE TIN ON TAIL
(USE T-1SXX-XX-C, T-1G1-XX-L)
-STL: 30μ" HEAVY SELECTIVE GOLD IN
CONTACT AREA, TIN LEAD ON TAIL
(USE T-1SXX-XX-STL, T-1G1-XX-STL)
-FTL: 3μ" FLASH SELECTIVE GOLD IN
CONTACT AREA, TIN LEAD ON TAIL
(USE T-1SXX-XX-FTL, T-1G1-XX-FTL)



SECTION "A"-A

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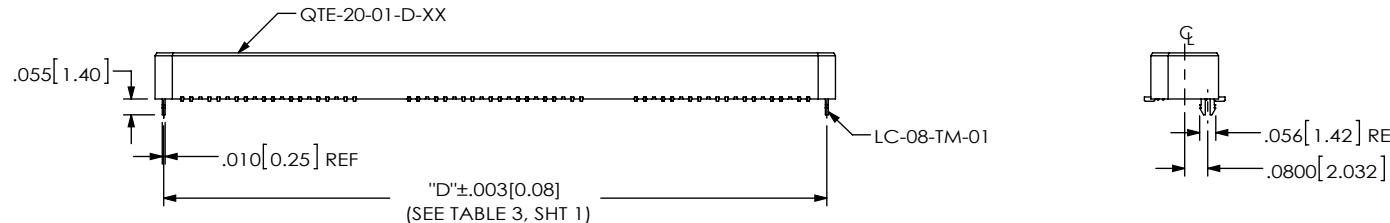


FIG 2
 -LC: LOCKING CLIP OPTION
 (QTS-042-01-XXX-D-DP-LC SHOWN)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

TABLE 4

No OF POS	"R"				"S"			
	-LC, -A, -FL	-GP, -SD	-RT1	-L	-LC, -A, -FL	-GP, -SD	-RT1	-L
-014	.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]
-028	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]
-042	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
*-056	3.150 [80.01]	3.668 [93.15]	N/A	N/A	1.437 [36.50]	1.696 [43.07]	N/A	N/A
*-070	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 15

STYLE	"T"
-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]

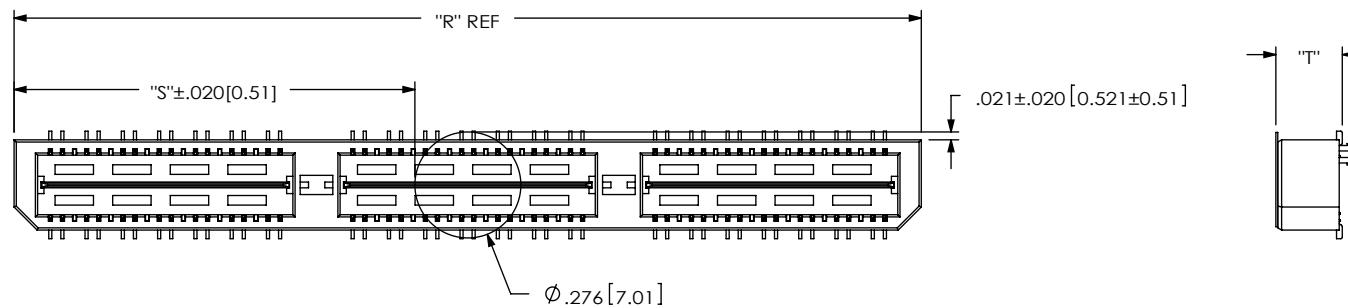


FIG 3
 -K: POLYIMIDE FILM PAD
 (USE K-DOT-.276-.375-.005)

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DWG. NO.
QTE-XXX-XX-XXX-D-DP-XXX
BY: DEAN P 4/28/2000 **SHEET 2 OF 5**

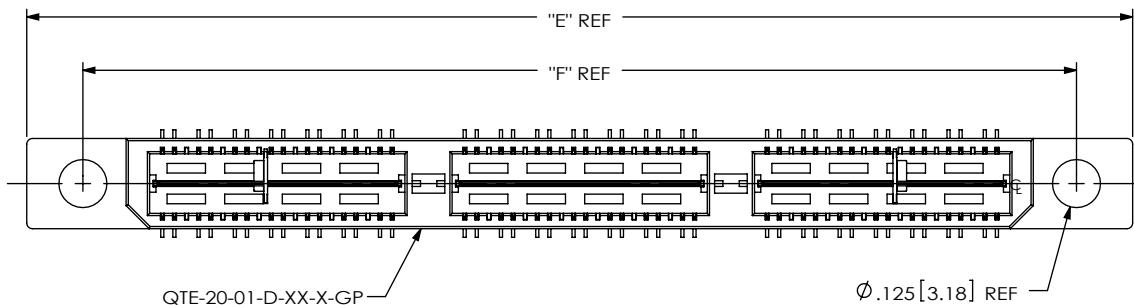


FIG 4
 -GP: GUIDE POST OPTION
 (QTE-042-01-XXX-D-DP-GP SHOWN)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
 (AVAILABLE ON STYLE -01 ONLY)

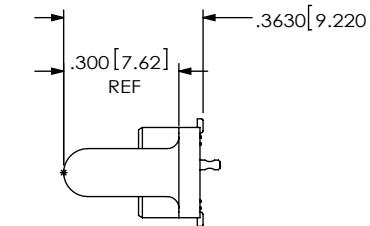


TABLE 6

POS	"E"	"F"
-014	1.305 [33.15]	1.013 [25.72]
-028	2.093 [53.15]	1.800 [45.72]
-042	2.880 [73.15]	2.588 [65.72]
*-056	3.668 [93.15]	3.375 [85.73]
*-070	4.455 [113.16]	4.163 [105.73]

* = SEE NOTE 15

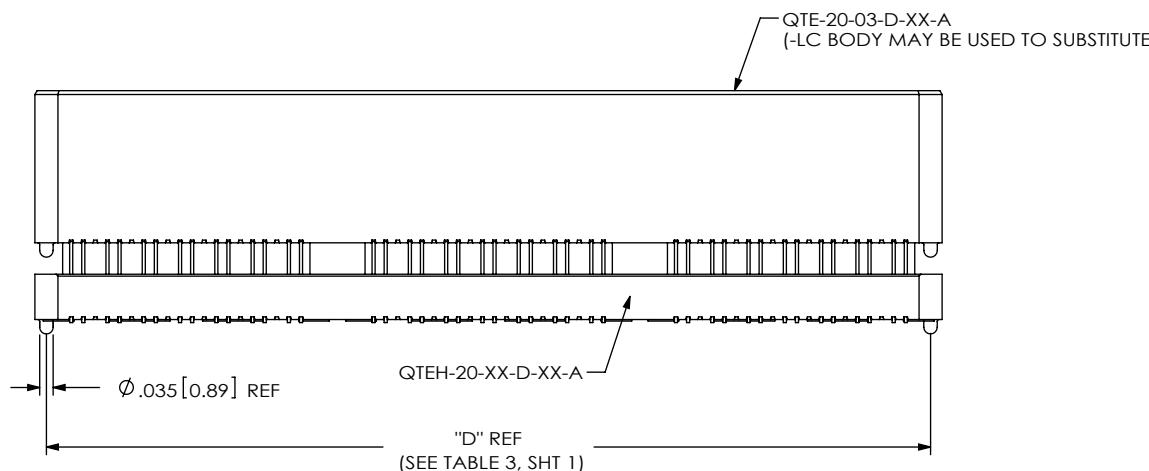
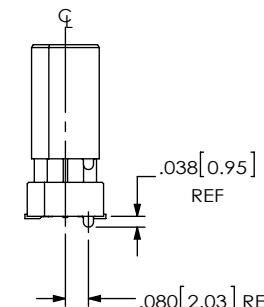


FIG 5
 (QTE-020-04-XXX-D-A SHOWN)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
 (STYLES -04, -05, -06, -07, -08, -09 & -10, SEE TABLE 7, SHT 4)



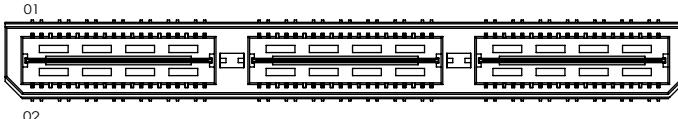
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DWG. NO.
QTE-XXX-XX-XXX-D-DP-XXX
BY: DEAN P 4/28/2000 **SHEET 3 OF 5**



STYLE	"B"	GROUND PLANE	TERMINAL	FILLER BODY	SPACER BODY	MATED HEIGHT WITH QSE-DP-01
-04	.600[15.24]	T-1G1-04-XXX	T-1S41-04-XXX	QTE-20-03-D-XX	QTEH-20-01-D-XX-X	.630 [16.00] REF
-05	.718[18.237]	T-1G1-05-XXX	T-1S41-05-XXX	QTE-20-03-D-XX	QTEH-20-01-D-XX-X	.748 [19.00] REF
-06	.835[21.209]	T-1G1-06-XXX	T-1S41-06-XXX	QTE-20-03-D-XX	QTEH-20-02-D-XX-X	.866 [22.00] REF
-07	.954[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	1.151[29.24]	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	.522[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

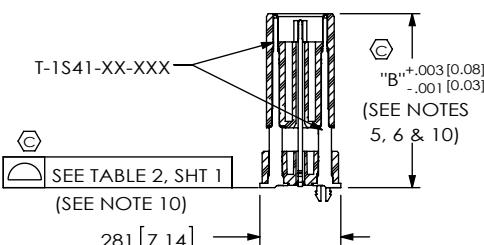
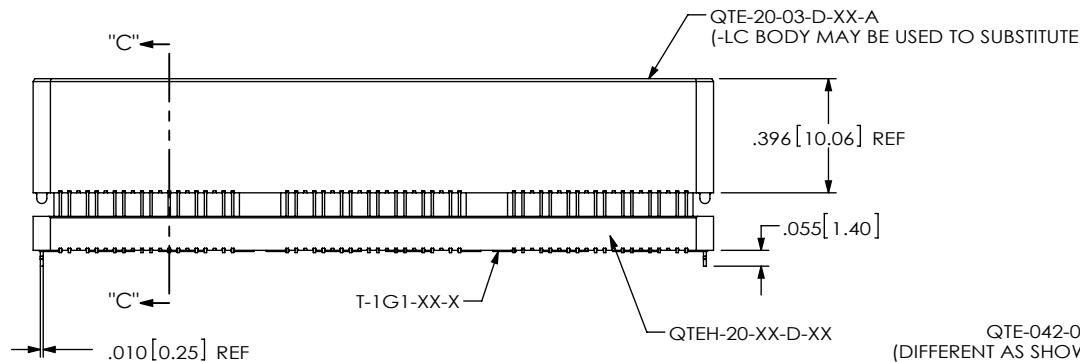
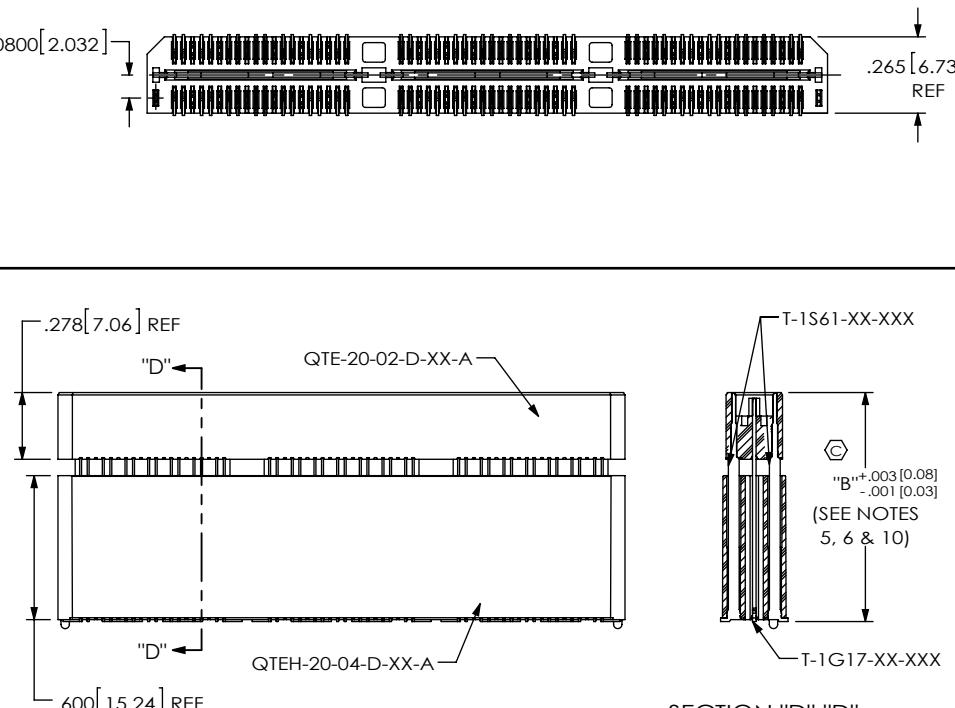


FIG 6
QTE-042-04-X-D-DP-LC SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(STYLES -04, -05 & -06)



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

FIG 7
QTE-042-07-X-D-DP-A SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 6)
(STYLES -07 & -08)

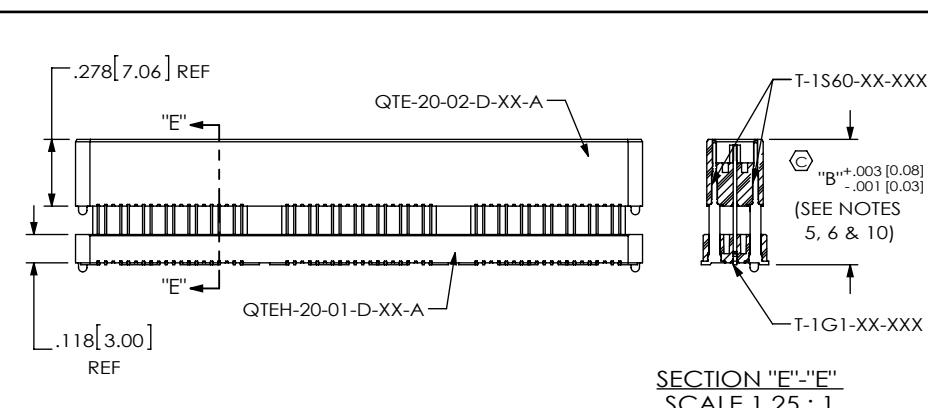


FIG 8
QTE-042-09-X-D-DP-A SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 6)
(STYLES -09 & -10)

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

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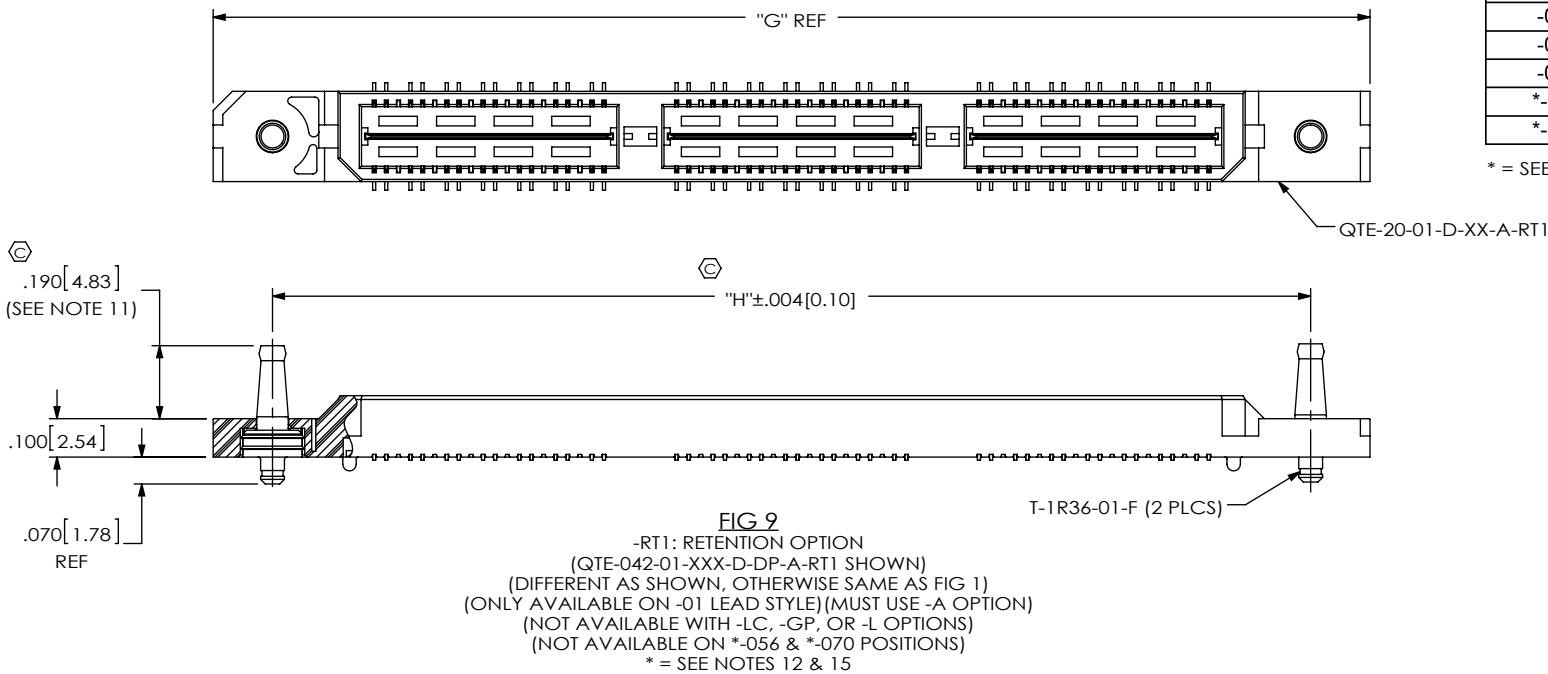
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.8mm DIFFERENTIAL PAIRS HS TERMINAL ASSEMBLY

DWG. NO.

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

BY: DEAN P 4/28/2000 SHEET 4 OF 5



POS	"G"	"H"
-014	1.438 [36.53]	1.129 [28.68]
-028	2.226 [56.53]	1.917 [48.68]
-042	3.013 [76.53]	2.704 [68.68]
*-056	N/A	N/A
*-070	N/A	N/A

* = SEE NOTE 15

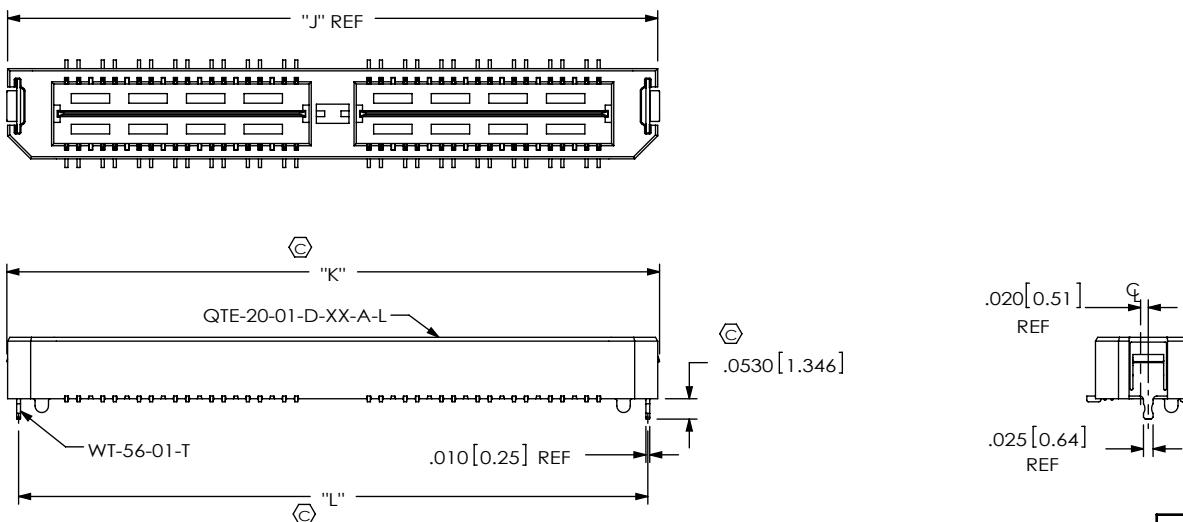
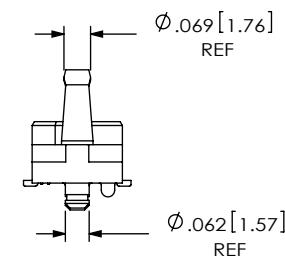


FIG 10
-L: LATCHING OPTION
(QTE-028-01-XXX-D-DP-A-L SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(28 POS MAX) (MUST USE -A OPTION)
(AVAILABLE ON -01 LEAD STYLED ONLY)
(NOT AVAILABLE WITH -LC, -GP, OR -RT1)

POS	"J"	"K"	"L"
-014	.906 [23.00]	.915 [23.24]	.854 [21.69]
-028	1.693 [43.00]	1.703 [43.24]	1.642 [41.69]
-042	N/A	N/A	N/A
*-056	N/A	N/A	N/A
*-070	N/A	N/A	N/A

* = SEE NOTE 15

CRITICAL DIMENSION INSPECTION INSTRUCTION TABLE	
ASSEMBLY OPERATION	IN PROCESS INSPECTION
FILL T-1SXX	C1, C2, C3, C4, C5, C11, C12
ADD -LC OPTION	C13
ADD -RT1 OPTION	C6, C7
ADD -L OPTION	C8, C9, C10
ADD -K OPTION	C14, C15

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