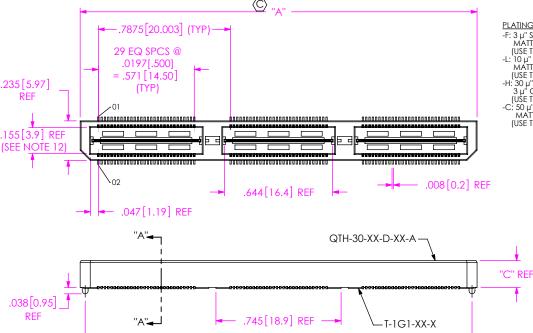
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TABLE 1						MATED HEI	GHT		
STYLE	"B"	"C"	BODY (-LC)	BODY (-A)	GROUND PLANE	TERMINAL	WITH QSH-01		
-01	.1680 [4.267]	.1600 [4.064]	QTH-30-01-D-XX	QTH-30-01-D-XX-A	T-1G1-01-X	T-1S39-01-X	.197 [5.00]	REF	
-02	.2861 [7.267]	.2781 [7.064]	QTH-30-02-D-XX	QTH-30-02-D-XX-A	T-1G1-02-X	T-1S59-02-X	.3150 [8.00]	REF	

TABLE 2					
POS	"A"	"D"			
-030	.788 [20.00]	.728 [18.48]			
-060	1.575 [40.01]	1.515 [38.48]			
-090	2.363 [60.01]	2.303 [58.48]			
-120	3.150 [80.01]	3.090 [78.49]			
-150	3.938 [100.01]	3.878 [98.49]			

TABLE 3					
No OF POSITIONS	COPLANARITY INCLUDING GROUND PLANE				
-030 THRU -060	.004 [0.10]				
-090 THRU -150 .006 [0.15]					





"D" REF

QTH-XXX-XX-X-D-XXX No OF POSITIONS -030, -060, -090, *-120, *-150 (PER ROW) * (SEE NOTE 11) **LEAD STYLE** -01: .1680[4.267] -02: .2861[7.264]

□ -03: .4043[10.269] □ -04: .6001[15.246 □ -05: .7181 18.240 □ -06: .8361 21.237 □ -07: .9542[24.237 □ -08: 1.1511[29.238] □ -09: .5224[13.269

□ -10: .5618[14.269 □ = SEE TABLE 6, SHT 3

PLATING SPECIFICATION -F: 3 μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL

(USE T-1SXX-XX-F & T-1GXX-XX-F) (SEE NOTE 7)
-L: 10 µ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL

(USE T-15XX-XX-L & T-1GXX-XX-L)
-H: 30 µ" GOLD IN CONTACT AREA,
3 µ" GOLD ON TAIL (USE T-1SXX-XX-H & T-1GXX-XX-G)

-C: 50 u" SELECTIVE GOLD IN CONTACT AREA. MATTE TIN ON TAIL (USE T-1SXX-XX-C, T-1GXX-XX-L)

OPTION -LC: LOCKING CLIPS (USE LC-08-TM-01, SEE FIG 2, SHT 2)) -A: ALIGNMENT PINS -A: ALIGNMENT PINS
(USE QTH-30-XX-D-XX-A FOR -01 & -02)
(FOR -03 THRU -10 SEE TABLE 6, SHT 3)
-K: POLYMINDE FILM (USE K-DOT-.276-.375-.005)
(AVAILABLE ON -01 THRU -04, -09 & -10 ONLY)
(SEE FIG 4, SHT 2)
-TR: TAPE & REEL (-090 POS MAX)
(-060 POS MAX W/ -GP OPTION)
(N/A ON -05 THRU -08)
(SEE FIG 12 SUT 4) (SEE FIG 12, SHT 6) -GP: GUIDE POSTS (AVAILABLE ON -01 & -02 ONLY) USE QTH-30-XX-D-XX-X-GP)

(USE QTH-30-XX-D-XX-GP)
(SEE FIG 8, SHT 4)
-FL: FRICTION LOCKS (SEE FIG 9, SHT 4)
(NOT AVAILABLE WITH -GP)
-RT1: RETENTION OPTION (SEE FIG 10, SHT 5)
(ONLY AVAILABLE ON -01 LEAD STYLE)
(MUST USE -A OPTION)
(USE QTH-30-01-D-XX-A-RT1 & T-1R36-01-F)
(NOT AVAILABLE WITH -LC, -GP, OR -FL)
-L: LATCHING OPTION (SEE FIG 11, SHT 5)
(ONLY AVAILABLE ON -01 LEAD STYLE)
(USE QTH-30-01-D-XX-L)
(NOT AVAILABLE WITH -LC, -GP, -FL)
(USE QTH-30-01-D-XX-L)
(NOT AVAILABLE WITH -LC, -GP, -FL)
(NOT AVAILABLE WITH -LC, -GP, -FL) (NOT AVAILABLE WITH -LC, -GP, -FL, OR -RT1) (-060 POS MAX)

ROW SPECIFICATION -D: DOUBLE (USE QTH-30-XX-D-XX & QTHH-30-XX-D-XXI

(C).155±.003[3.94±0.08] (SEE NOTE 12) T-1SXX-XX-X (SEE NOTE 5 & 8) (SEE TABLE 1) SEE TABLE 3 (SEE NOTE 8) .098[2.49] REF (SEE NOTE 10) .015[0.4] REF .031 [0.8] REF .280 [7.11] .080 2.03 REF SECTION "A"-"A"

1. © REPRESENTS A CRITICAL DIMENSION. 2. MINIMUM PUSHOUT FORCE: 6 OZ FOR –01 & -02, 8 OZ FOR –03 THRU –10.

3. MINIMUM GROUND PLANE RETENTION: 1 LB.

4. PARTS TO BE MOLDED TO POSITION.
5. MAXIMUM VARIANCE OF .002 [0.05]. APPLIES TO SIGNAL OR GROUNDS INDEPENDENT OF THE GROUND OR SIGNAL PINS RESPECTIVELY.

6. LEAD STYLES -03 THRU -10: TOP BODY (QTH) CANNOT HAVE -A OPTION. 7. -L PLATING CAN BE SUBSTITUTED FOR -F PLATING.

8. GROUND PLANE PRESS HEIGHT MUST BE .003 [0.07] LESS THAN THE MAXIMUM HEIGHT OR .002 [0.05] GREATER THAN THE MINIMUM HEIGHT OF SIGNAL PIN.

9. T-1R36 RÉTENTION TO BODY TO BE 1.0 LBF.

10. CUT OFF BURR NOT TO EXCEED .003 [0.08] IN ANY DIRECTION, BURR PLUS TAB HEIGHT NOT TO EXCEED .006 [0.15].

11. FOR NEW APPLICATIONS REQUIRING THESE POSITIONS, PLEASE CONTACT SAMTEC

INTERCONNECT PROCESSING GROUP.

12. MAXIMUM PIN CAN EXTEND PAST WALL .003 [0.08]

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES .XX: ±.01[0.3] .XXX: ±.005[0.13]

.XXXX: ±.0020[0.051]

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PROPRIETARY NOTE

FIG 1 -A: ALIGNMENT PIN OPTION (STYLE -01 & -02 ONLY) (QTH-090-01-X-D-A SHOWN)

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INSULATOR: LCP UL94V-0, COLOR: BLACK TERMINAL & 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

.5mm DOUBLE ROW HS TERMINAL ASSEMBLY

DWG. NO QTH-XXX-XX-X-D-XXX

BY: DEAN P 09-14-2010 | SHEET 1 OF 6

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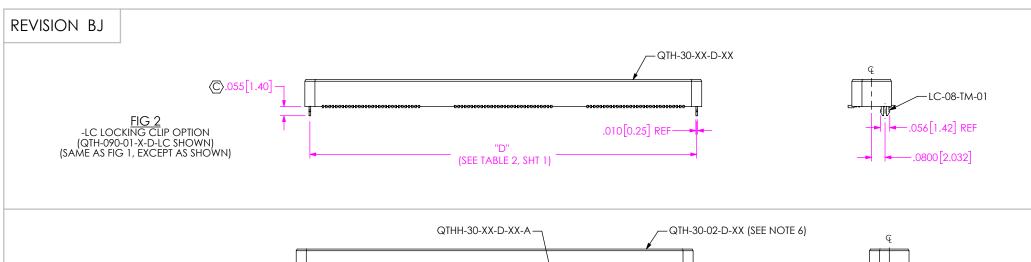


FIG 3

-A: ALIGNMENT PIN OPTION
(QTH-090-05-X-D-A SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)
(STYLES -03 THRU -09, SEE TABLE 6, SHT 3)

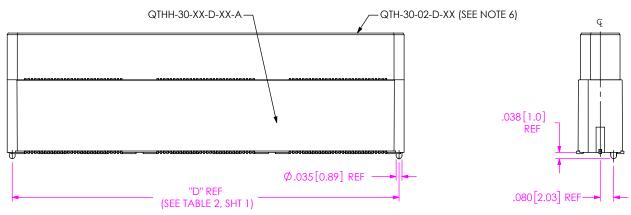
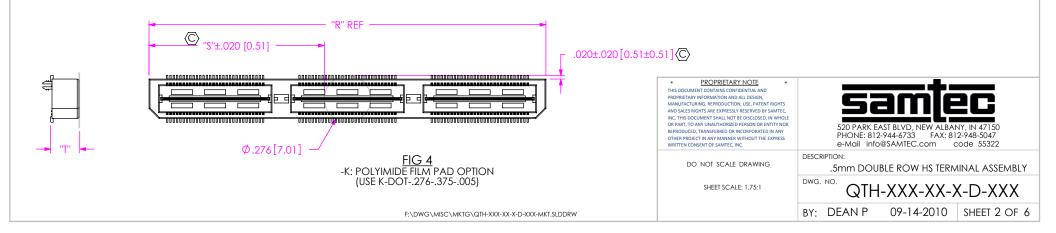


TABLE 4								
No OF POS	"R"			"8	"S"			
110 01 1 00	-LC, -A, -FL	-GP	-RT1	-L	-LC, -A, -FL	-GP	-RT1	-L
-030	.788 [20.00]	1.305 [33.15]	1.438 [36.53]	.906 [23.00]	.256 [6.50]	.515 [13.07]	.581 [14.76]	.315 [7.99]
-060	1.575 [40.01]	2.093 [53.15]	2.226 [56.53]	1.693 [43.00]	.650 [16.50]	.908 [23.07]	.975 [24.76]	.709 [18.00]
-090	2.363 [60.01]	2.880 [73.15]	3.013 [76.53]	2.481 [63.00]	1.043 [26.50]	1.302 [33.07]	1.369 [34.76]	1.102 [28.00]
-120	3.150 [80.01]	3.668 [93.15]	3.801 [96.53]	3.268 [83.01]	1.437 [36.50]	1.696 [43.07]	1.762 [44.76]	1.496 [38.00]
-150	3.938 [100.01]	4.455 [113.16]	4.588 [116.54]	4.056 [103.01]	1.831 [46.50]	2.090 [53.07]	2.156 [54.76]	1.890 [48.00]

TABLE 5				
STYLE	"Т"			
-01	.173 [4.39]			
-02	.290 [7.37]			
-03	.409 [10.39]			
-04	.605 [15.37]			
-09	.527 [13.39]			
-10	.566 [14.38]			



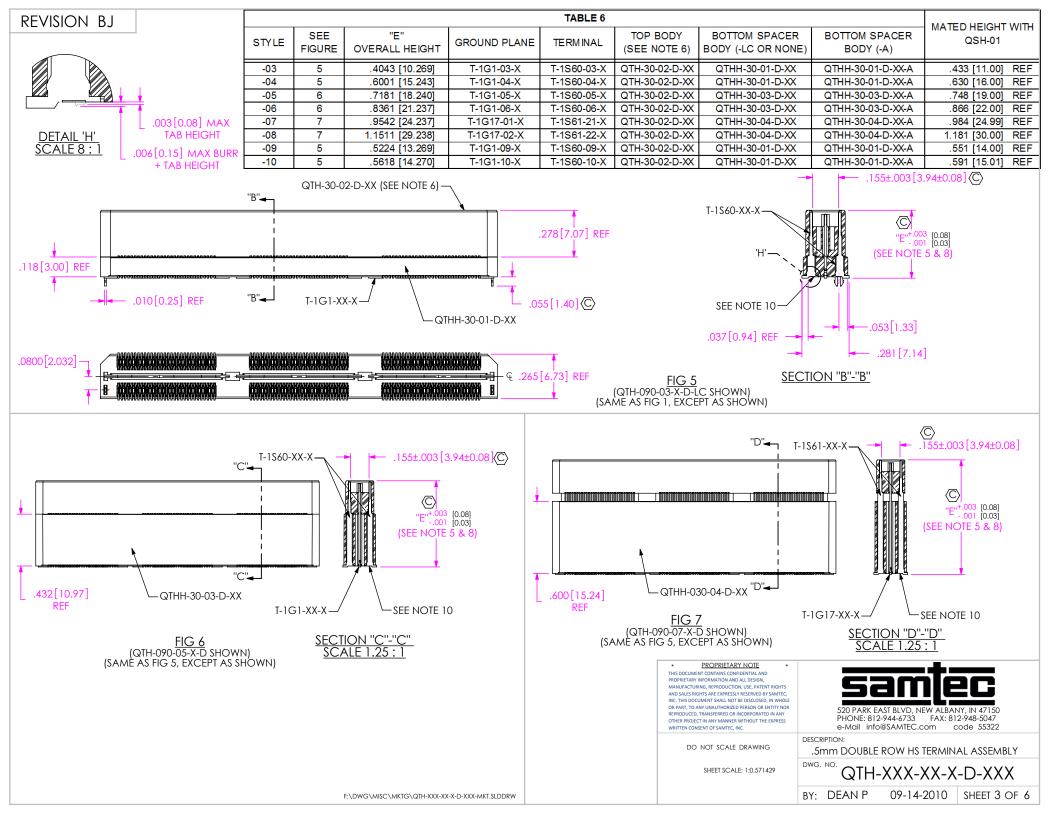
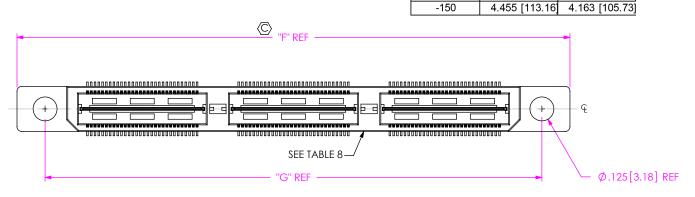


TABLE 7			
POS	"F"	"G"	
-030	1.305 [33.15]	1.013 [25.72]	
-060	2.093 [53.15]	1.800 [45.72]	
-090	2.880 [73.15]	2.588 [65.72]	
-120	3.668 [93.15]	3.375 [85.73]	

TABLE 8					
STYLE	"H"	BODY			
-01	.3630 [9.220]	QTH-30-01-D-XX-X-GP			
-02 .4810 [12.217]		QTH-30-02-D-XX-X-GP			



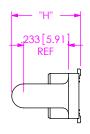
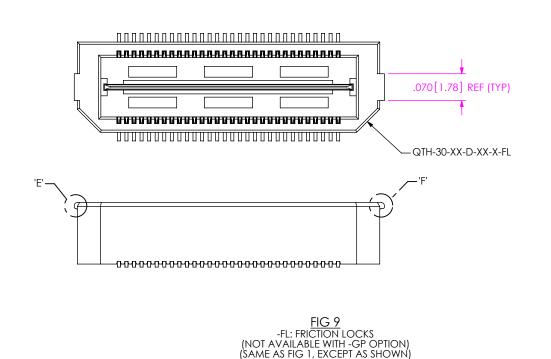
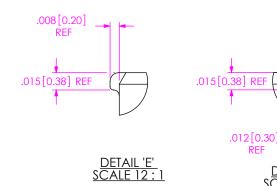


FIG 8 (QTH-090-01-X-D-GP SHOWN) (SAME AS FIG 1, EXCEPT AS SHOWN) (AVAILABLE ON -01 & -02 ONLY)

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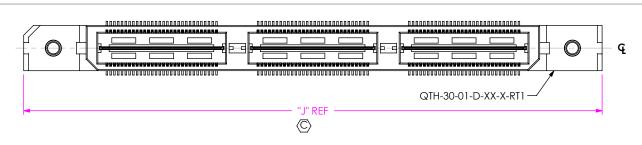
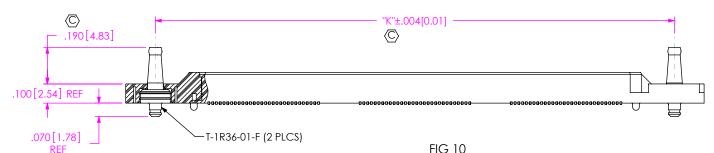


	TABLE 9				
POS	" J"	"K"			
-030	1.438 [36.53]	1.129 [28.68]			
-060	2.226 [56.53]	1.917 [48.68]			
-090	3.013 [76.53]	2.704 [68.68]			
-120	3.801 [96.53]	3.492 [88.68]			
-150	4.588 [116.54]	4.279 [108.69]			



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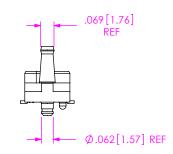


FIG 10 (QTH-090-01-X-D-A-RT1 SHOWN) (NOT AVAILABLE WITH -LC, -GP, OR -FL OPTIONS) (AVAILABLE ON -01 ONLY) (SAME AS FIG 1, EXCEPT AS SHOWN)

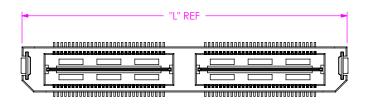
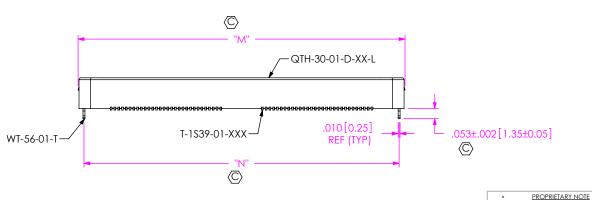


TABLE 10						
POS	"L"	"M"	"N"			
-030	.906 [23.00]	.915 [23.24]	.854 [21.69]			
-060	1.693 [43.00]	1.703 [43.24]	1.642 [41.69]			
*-090	2.481 [63.00]	2.490 [63.25]	2.429 [61.70]			

(* = NOT RELEASED)



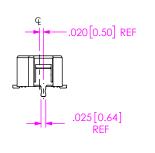


FIG 11 L: LATCHING OPTION (QTH-060-01-X-D-L SHOWN) (AVAILABLE ON -01 LEAD STYLE ONLY) (NOT AVAILABLE WITH -LC, -GP, -FL, OR -RT1 OPTIONS) (SAME AS FIG 1, EXCEPT AS SHOWN)

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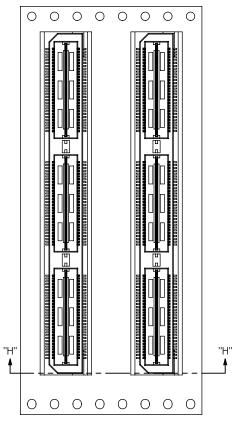
QTH-XXX-XX-X-D-XXX

BY: DEAN P

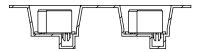
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USER DIRECTION OF UNREELING POCKET NOT DETAILED



<u>SECTION "H"-"H"</u> <u>SCALE 1.5 : 1</u>

FIG 12
-TR: TAPE & REEL
(QTH-090-01-X-D-LC-TR SHOWN)
(-090 POS MAX)
(-060 POS MAX W/-GP OPTION)
(N/A ON -05 THRU -08)
(SAME AS FIG 1, EXCEPT AS SHOWN)

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DESCRIPTION:

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