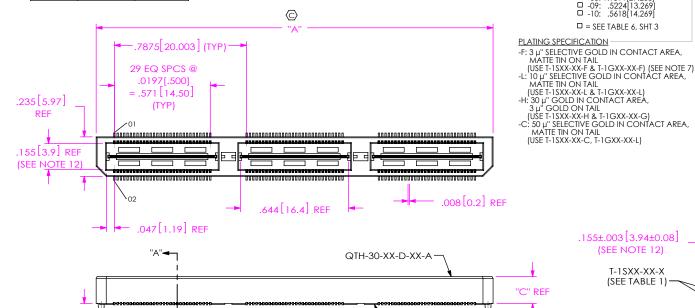
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TABLE 1					MATED HEIGHT				
STYLE	"B"	"C"	BODY (-LC)	BODY (-A)	GROUND PLANE	TERMINAL	WITH QSH-01		
-01	.1680 [4.267]	.1600 [4.064]	QTH-30-01-D-XX	QTH-30-01-D-XX-A	T-1G1-01-X	T-1S39-01-X	.197 [5.00]	REF	
-02	.2861 [7.267]	.2781 [7.064]	QTH-30-02-D-XX	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	COPLANARITY INCLUDING			
POSITIONS	GROUND PLANE			
-030 THRU -060	.004 [0.10]			
-090 THRU -150	.006 [0.15]			



 $\emptyset.035[0.89]$ REF

.745 18.9 REF

"D" REF

OPTION
-LC: LOCKING CLIPS
(USE LC-08-TM-01, SEE FIG 2, SHT 2)) (USE QTH-30-XX-D-XX-A FOR -01 & -02) (USE QHI-3-0XX-D-XX-A FOR -01 & -02) (FOR -03 THRU -10 SEE TABLE 6, SHT 3) -K: POLYIMIDE 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, SHT 6) -GP: CIUDE POSTS

-GP: GUIDE POSTS (AVAILABLE ON -01 & -02 ONLY) USE QTH-30-XX-D-XX-X-GP) (SEE FIG 8, SHT 4)
-FL: FRICTION LOCKS (SEE FIG 8, SHT 4)

(NOT AVAILABLE WITH -GP)

(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, OR -RT1)
LOAD POS MAY!

(-060 POS MAX)

ROW SPECIFICATION

QTH-XXX-XX-X-D-XXX

No OF POSITIONS -030, -060, -090, *-120, *-150 (PER ROW) * (SEE NOTE 11)

□ -06:

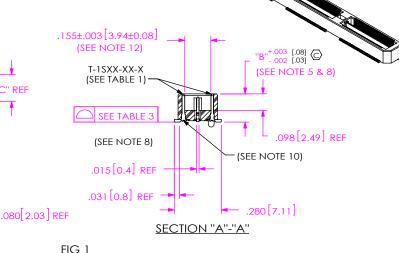
LEAD STYLE -01: .1680[4.267] -02: .2861[7.264] -03: .4043[10.269] -04: .6001[15.246] -05: .7181[18.240]

□ -09: .5224[13.269 □ -10: .5618[14.269

□ = SEE TABLE 6, SHT 3

.8361[21.237 □ -07: .9542[24.237 □ -08: 1.1511[29.238

-D: DOUBLE (USE QTH-30-XX-D-XX & QTHH-30-XX-D-XX)



1. © REPRESENTS A CRITICAL DIMENSION.

.038 0.95 REF

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.

"A"

9. T-1R36 RETENTION 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. PIN CAN EXTEND PAST WALL .003 [0.08] MAX.

C1, C2, C3 C4, C5

T-1G1-XX-X

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: **ANGLES DECIMALS**

INSULATOR: LCP UL94V-0, COLOR: BLACK

TERMINAL & GROUND PLANE: PHOS BRONZE

.XX: ±.01[0.3] 2° .XXX: ±.005[0.13] .XXXX: ±.0020[0.051]

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-A: ALIGNMENT PIN OPTION (STYLE -01 & -02 ONLY)

(QTH-090-01-X-D-A SHOWN)

520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com code 55322

DESCRIPTION:

.5mm DOUBLE ROW HS TERMINAL ASSEMBLY

DWG. NO.

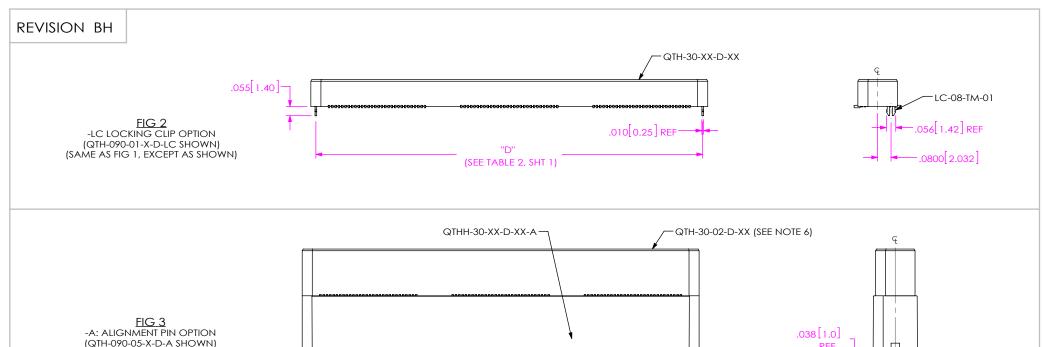
QTH-XXX-XX-X-D-XXX

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

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09-14-2010 SHEET 1 OF 6



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

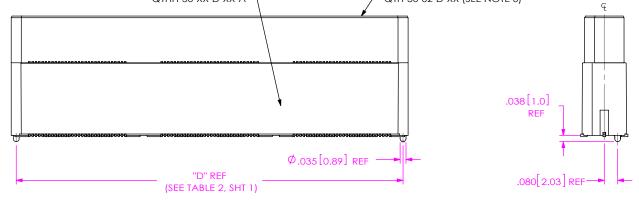
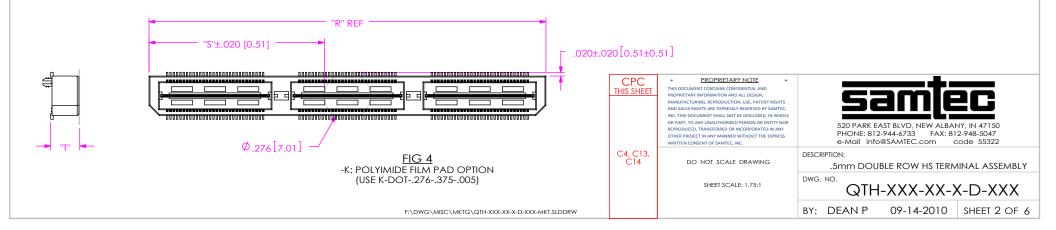
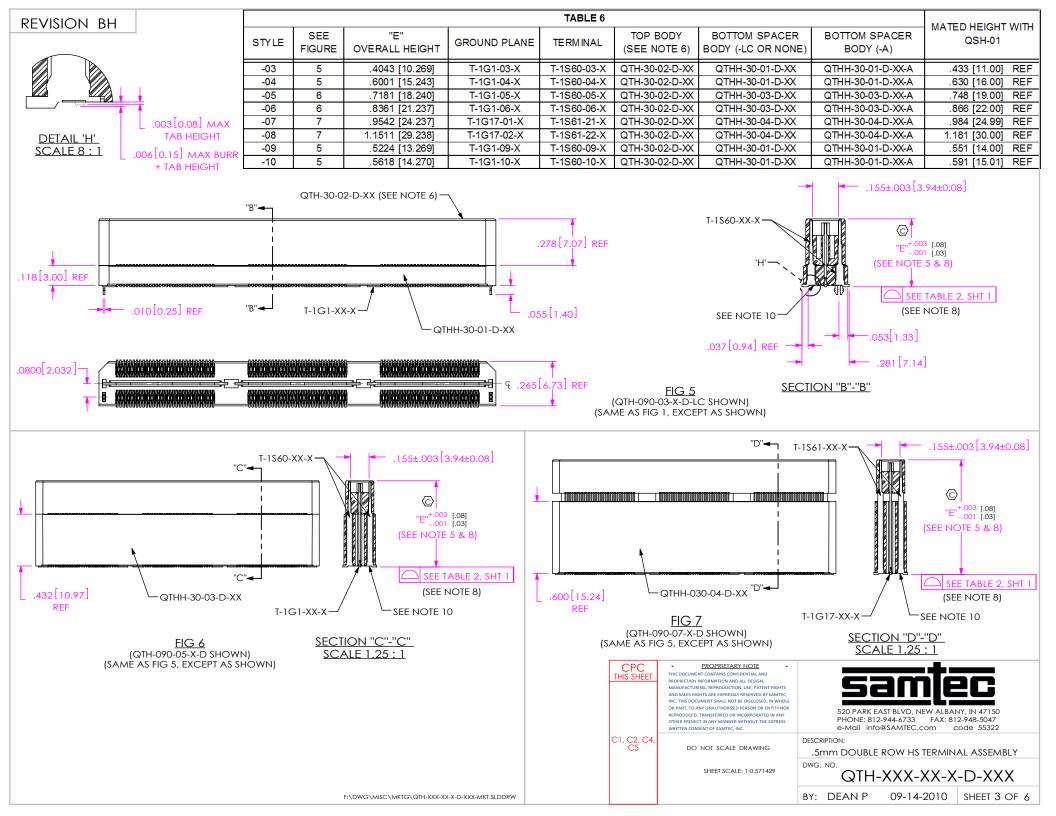


TABLE 4								
No OF POS	"R"			"S"				
110 01 1 00	-LC, -A, -FL	-GP	-RT1	-L	-LC, -A, -FL	-GP	-RT1	-L
-030	.788 [20.00]	1.305 [33.15]	1.438 [36.53]	.906 [23.00]	.256 [6.50]	.515 [13.07]	.581 [14.76]	.315 [7.99]
-060	1.575 [40.01]	2.093 [53.15]	2.226 [56.53]	1.693 [43.00]	.650 [16.50]	.908 [23.07]	.975 [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]

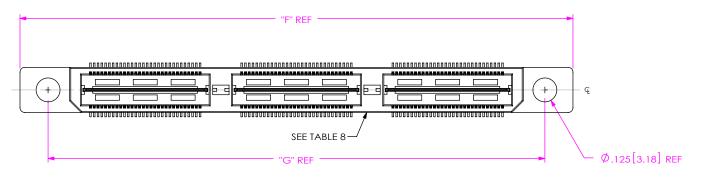
TABLE 5				
STYLE	"Т"			
-01	.173 [4.39]			
-02	.290 [7.37]			
-03	.409 [10.39]			
-04	.605 [15.37]			
-09	.527 [13.39]			
-10	.566 [14.38]			



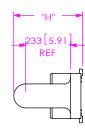


N BH	TABLE 7		
	POS	"F"	"G"
	-030	1.305 [33.15]	1.013 [25.72]
	-060	2.093 [53.15]	1.800 [45.72]
	-090	2.880 [73.15]	2.588 [65.72]
	-120	3.668 [93.15]	3.375 [85.73]

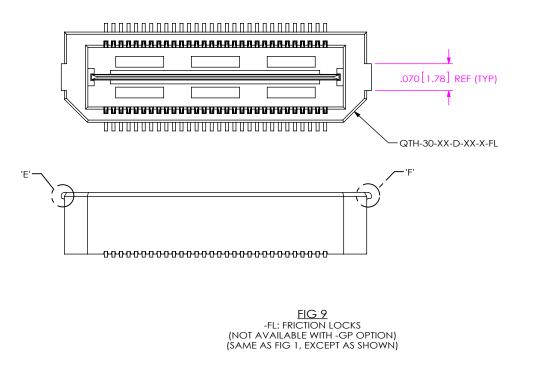
TABLE 8					
STYLE "H" BODY					
-01	.3630 [9.220]	QTH-30-01-D-XX-X-GP			
-02	.4810 [12.217]	QTH-30-02-D-XX-X-GP			

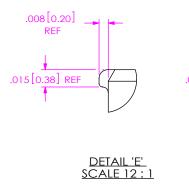


-150

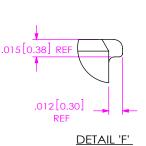


<u>FIG 8</u> (QTH-090-01-X-D-GP SHOWN) (SAME AS FIG 1, EXCEPT AS SHOWN) (AVAILABLE ON -01 & -02 ONLY)





4.455 [113.16] 4.163 [105.73]



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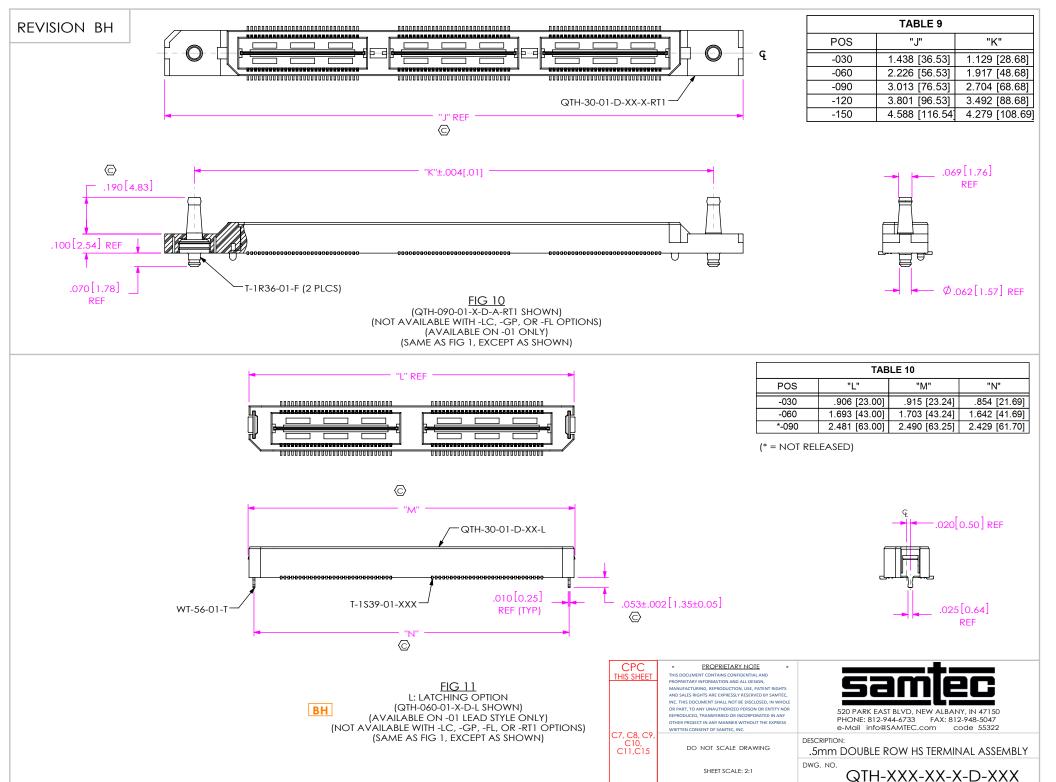
DWG. NO.

QTH-XXX-XX-X-D-XXX

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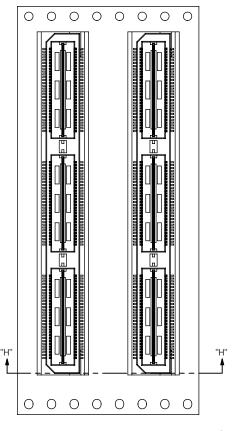
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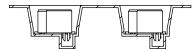
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09-14-2010 SHEET 5 OF 6

BY: DEAN P



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) (-060 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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.5mm DOUBLE ROW HS TERMINAL ASSEMBLY

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

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DESCRIPTION:

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