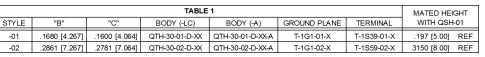
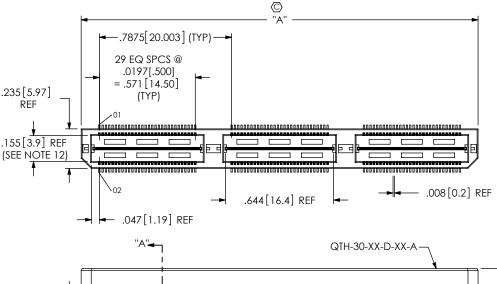
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| TABLE 2 | | | |
|---------|----------------|---------------|--|
| POS | "A" | "D" | |
| -030 | .788 [20.00] | .728 [18.48] | |
| -060 | 1.575 [40.01] | 1.515 [38.48] | |
| -090 | 2.363 [60.01] | 2.303 [58.48] | |
| -120 | 3.150 [80.01] | 3.090 [78.49]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



.745 [18.9] REF

"D" REF

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-1SXX-XX-L & T-1GXX-XX-L)
-H: 30 u" GOLD IN CONTACT AREA 3 u" 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) (SEE NOTE 12) T-1SXX-XX-X (SEE TABLE 1) "C" REF

QTH-XXX-XX-X-D-XXX

No OF POSITIONS

LEAD STYLE -01: .1680[4.267] -02:

□ -08: 1.1511[29.238]

□ -09: .5224[13.269

□ -10: .5618[14.269

□ = SEE TABLE 6, SHT 3

.2861[7.264]

.4043[10.269]

.6001[15.246

.7181 18.240

.8361 21.237

.9542[24.237

-030, -060, -090, *-120, *-150 (PER ROW) * (SEE NOTE 11)

-03:

-05:

-06:

□ -04:

□ -07:

-IC: 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 3, 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: 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)

-FL: FRICTION LOCKS (SEE FIG 8, SHT 4)
(NOTA VALLABLE WITH -G-P)
-RT1: RETENTION OPTION (SEE FIG 10, SHT 5)
(ONLY AVAILABLE ON -01 LEAD STYLE)
(MUST USE -A OPTION)
(USE QTH-30-01-D-XX-ART1 & T-1R36-01-F)
(NOTA VALLABLE WITH -LCC, -G-P, 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

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

(-060 POS MAX)

.155±.003[3.94±0.08] "B"^{+.003} [.08] © (SEE NOTE 5 & 8) SEE TABLE 3 .098[2.49] REF (SEE NOTE 8) (SEE NOTE 10) .015[0.4] REF .031 [0.8] REF — .280[7.11] .080 2.03 REF SECTION "A"-"A"

.038 0.95 REF

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 (GTH) 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.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES .XX: ±.01[0.3] 2° .XXX: ±.005[0.13] .XXXX: ±.0020[0.051]

-T-1G1-XX-X

 $\emptyset.035[0.89]$ REF

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

DESCRIPTION

.5mm DOUBLE ROW HS TERMINAL ASSEMBLY

520 PARK EAST BLVD, NEW ALBANY, IN 47150

FAX: 812-948-5047

QTH-XXX-XX-X-D-XXX

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

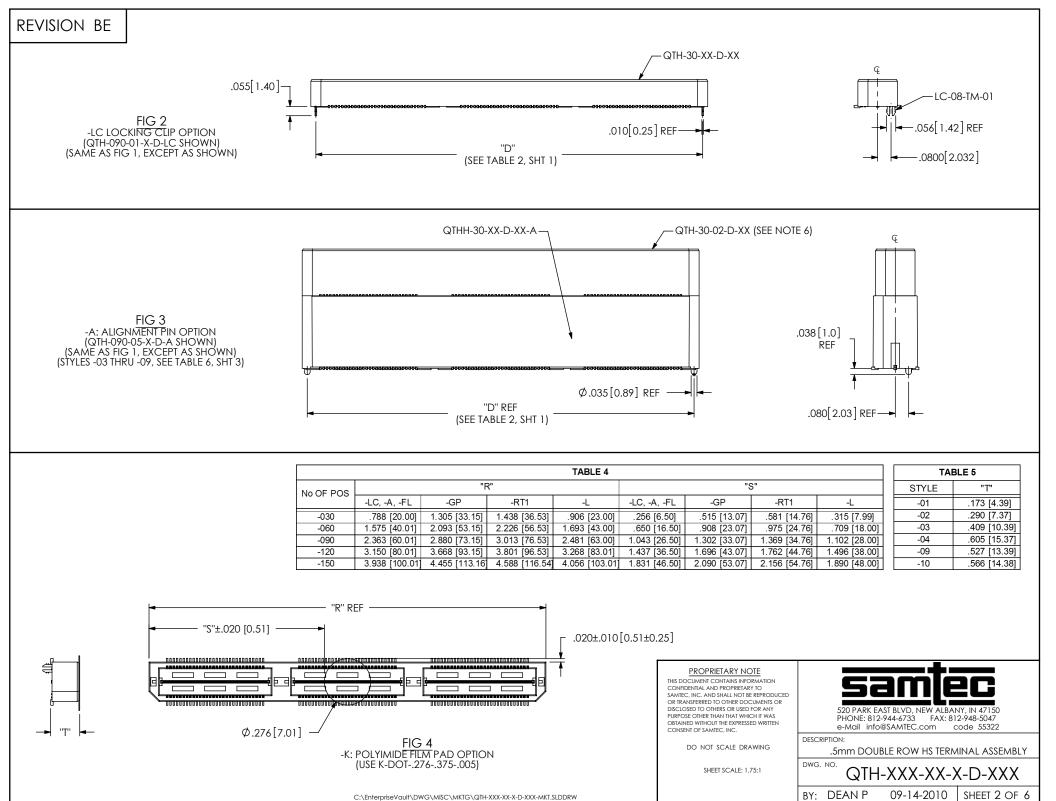
BY: DEAN P 09-14-2010 SHEET 1 OF 6

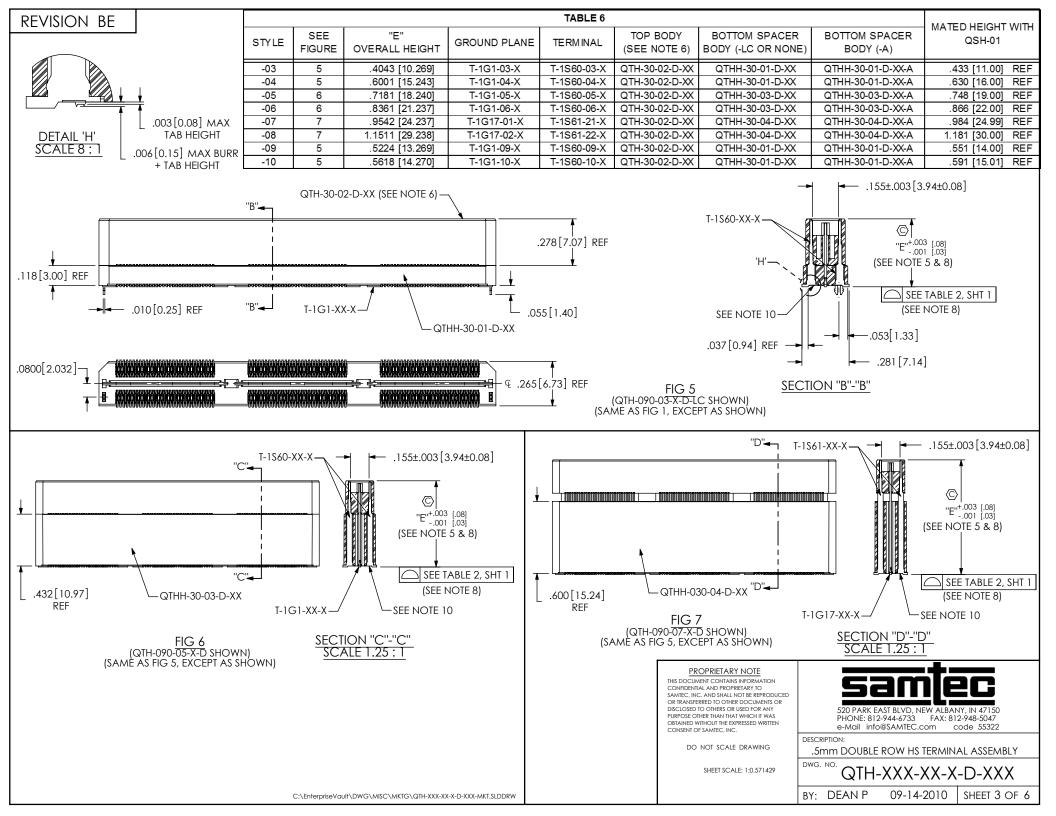
PHONE: 812-944-6733

e-Mail info@SAMTEC.com

SHEET SCALE: 1 75:1 DO NOT SCALE DRAWING

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

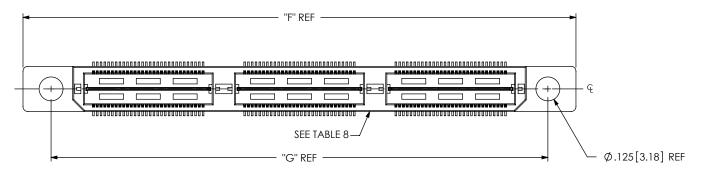




| REV | ISION | BE |
|-----|-------|----|
| | | |

| | 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] |
| -150 | 4.455 [113.16] | 4.163 [105.73 |

| 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 |



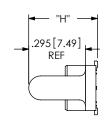
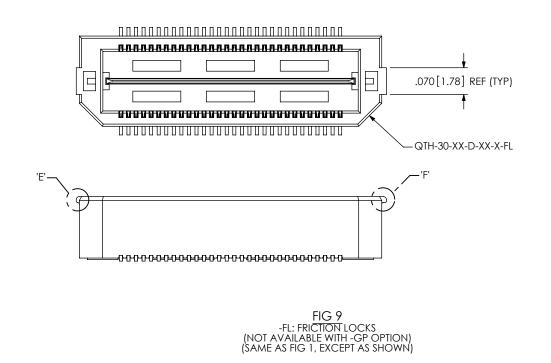
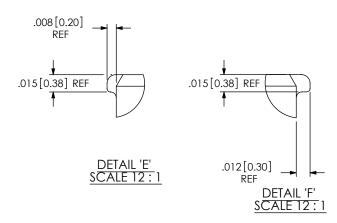


FIG 8 (QTH-090-01-X-D-GP SHOWN) (SAME AS FIG 1, EXCEPT AS SHOWN) (AVAILABLE ON -01 & -02 ONLY)





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DESCRIPTION:

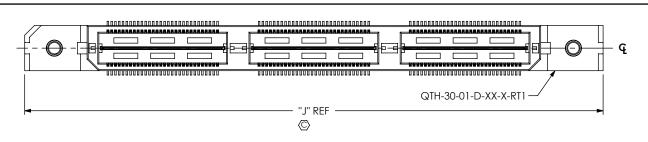
.5mm DOUBLE ROW HS TERMINAL ASSEMBLY

WG NO

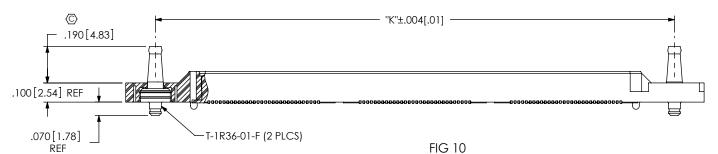
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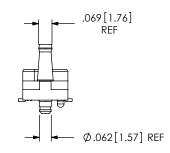
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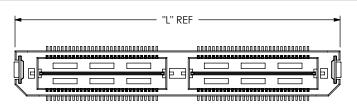
| | TABLE 9 | | |
|------|----------------|----------------|--|
| POS | "J" | "K" | |
| -030 | 1.438 [36.53] | 1.129 [28.68] | |
| -060 | 2.226 [56.53] | 1.917 [48.68] | |
| -090 | 3.013 [76.53] | 2.704 [68.68] | |
| -120 | 3.801 [96.53] | 3.492 [88.68] | |
| -150 | 4.588 [116.54] | 4.279 [108.69] |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



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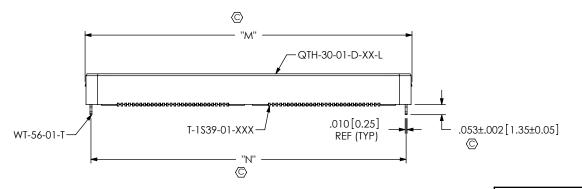


(QTH-090-01-X-D-A-RT1 SHOWN)
(NOT AVAILABLE WITH -LC, -GP, OR -FL OPTIONS)
(AVAILABLE ON -01 ONLY)
(SAME AS FIG 1, EXCEPT AS SHOWN)



| 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)



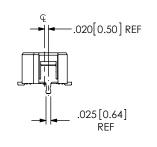


FIG 11 L: LATCHING OPTION (QTH-060-01-X-D-L SHOWN) (AVAILABLE ON -01 LEAD STYLE ONLY) (NOT AVAILABLE WITH -LC, -GP, -FL, OR -RT1 OPTIONS) (SAME AS FIG 1, EXCEPT AS SHOWN)

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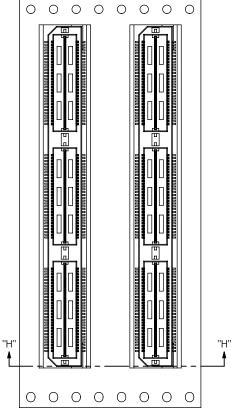
.5mm DOUBLE ROW HS TERMINAL ASSEMBLY

DWG NO

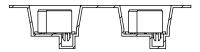
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USER DIRECTION OF UNREELING POCKET NOT DETAILED



SECTION "H"-"H" SCALE 1.5:1

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:

.5mm DOUBLE ROW HS TERMINAL ASSEMBLY

DWG NO

QTH-XXX-XX-X-D-XXX

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