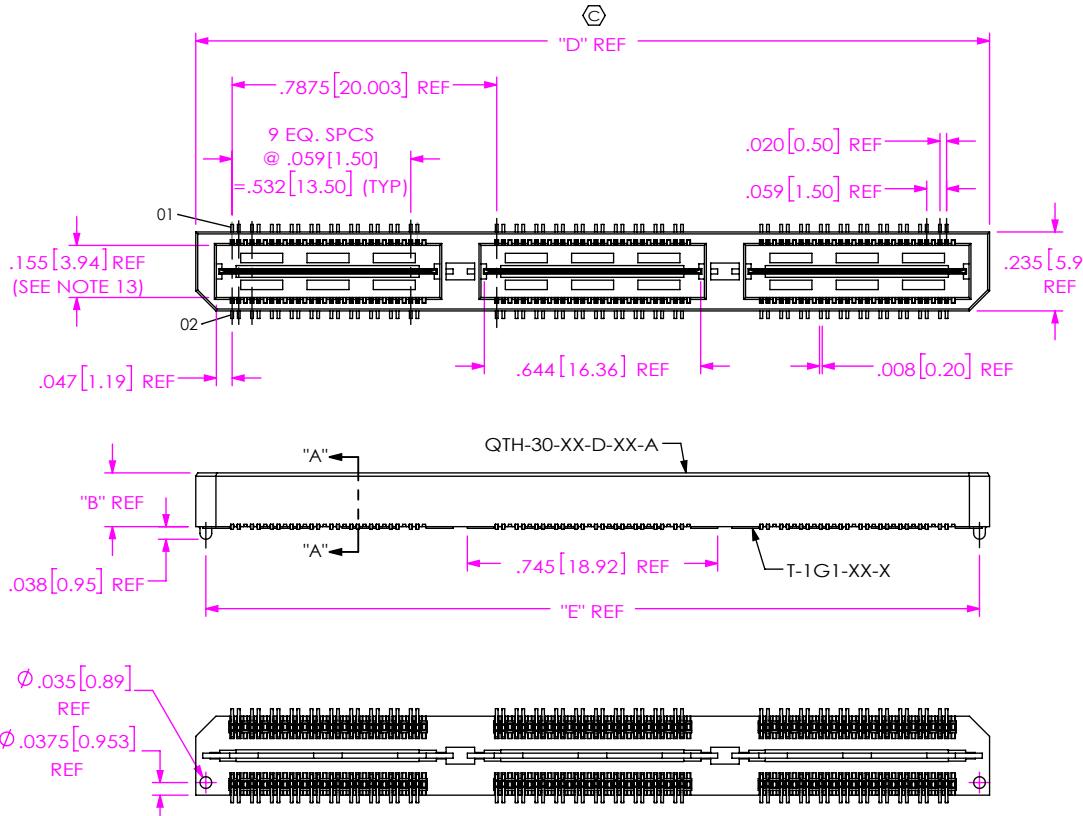


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STYLE	TABLE 1		BODY	GROUND PLANE	TERMINAL	MATED HEIGHT WITH QSH-01-DP
	"A"	"B"				
-01	.1680[4.267]	.1600[4.064]	QTH-30-01-D-XX	T-1G1-01-X	T-1S39-01-X	.197[5.00] REF
-02	.2861[7.267]	.2781[7.064]	QTH-30-02-D-XX	T-1G1-02-X	T-1S59-02-X	.315[8.00] REF

TABLE 2	
NO OF POSITIONS	COPLANARITY (INCLUDING GP)
-020 THRU -060	.004 [0.10]
-080 & -100	.006 [0.15]

TABLE 3		
NO OF POS	"D"	"E"
-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]



NOTES:

1. \bigcirc REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: 6 OZ FOR -01 & -02, 8 OZ FOR -03 THRU -09.
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 -08: TOP BODY (QTH) CANNOT HAVE -A OPTION.
7. -L PLATING CAN BE SUBSTITUTED FOR -F PLATING.
- G PLATED GROUND PLANE CAN BE SUBSTITUTED FOR -F PLATED GROUND PLANE.
8. GROUND PLANE PRESS HEIGHT MUST BE .003 [0.08] LESS THAN THE MAXIMUM HEIGHT OR .002[0.05] GREATER THAN THE MINIMUM HEIGHT OF SIGNAL PIN.
9. T-1R36 RETENTION TO BODY TO BE 1.0 LB/F.
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. 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.

FIG 1
-A: ALIGNMENT PIN OPTION
(QTH-060-01-X-D-A SHOWN)
(FOR -01 & -02 LEAD STYLE ONLY)

QTH-XXX-XX-X-D-DP-XXX

NO. OF POSITIONS
-020, -040, -060, ***-080, ***-100
(PER ROW)
***SEE NOTE 11

LEAD STYLE

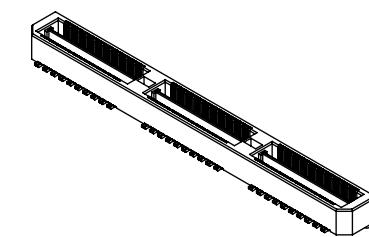
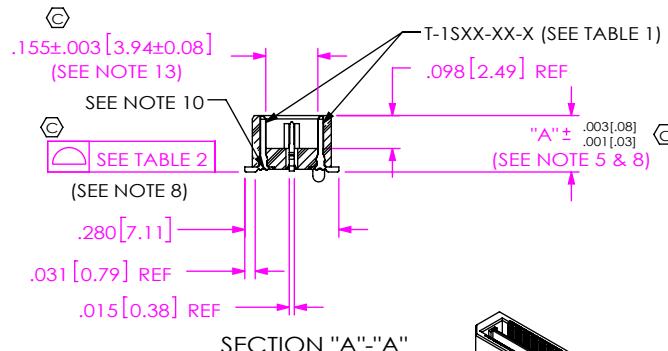
- 01: .1680[4.267]
- *-02: .2861[7.264]
- *-03: .4042[10.267]
- *-04: .6001[15.243]
- *-05: .7181[18.240]
- *-06: .8361[21.237]
- *-07: .9542[24.237]
- *-08: 1.1511[29.238]
- *-09: .5224[13.269]
- *-10: .5618[14.270]

PLATING SPECIFICATION

- F: 3 μ " SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE T-1GXX-XX-F) (SEE NOTE 7)
- L: 10 μ " SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE T-1GXX-XX-L)
- H: 30 μ " GOLD IN CONTACT AREA, 3 μ " GOLD ON TAIL (USE T-1GXX-XX-G)
- C: 50 μ " ELECTRO-POLISHED SELECTIVE IN CONTACT AREA, MATTE TIN ON TAIL (USE T-1GXX-XX-L)

* = RELEASED FOR ASO ONLY
APPLICATION SPECIFIC ORDER

** = -02 LEAD STYLE NOT RELEASED FOR PRODUCTION



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

MATERIAL: DO NOT SCALE DRAWING

SHEET SCALE: 1.75:1

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

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

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DESCRIPTION: .5mm DIFFERENTIAL PAIRS TERMINAL ASSEMBLY

DWG. NO.

QTH-XXX-XX-X-D-DP-XXX

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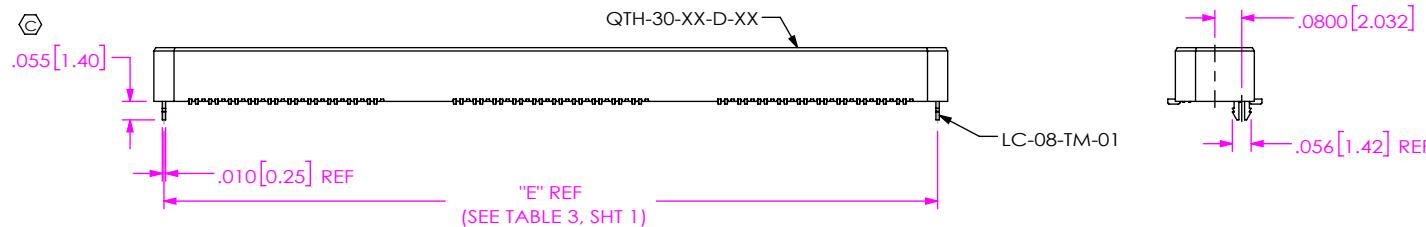


FIG 2
-LC: LOCKING CLIP OPTION
(QTH-060-01-X-D-LC SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

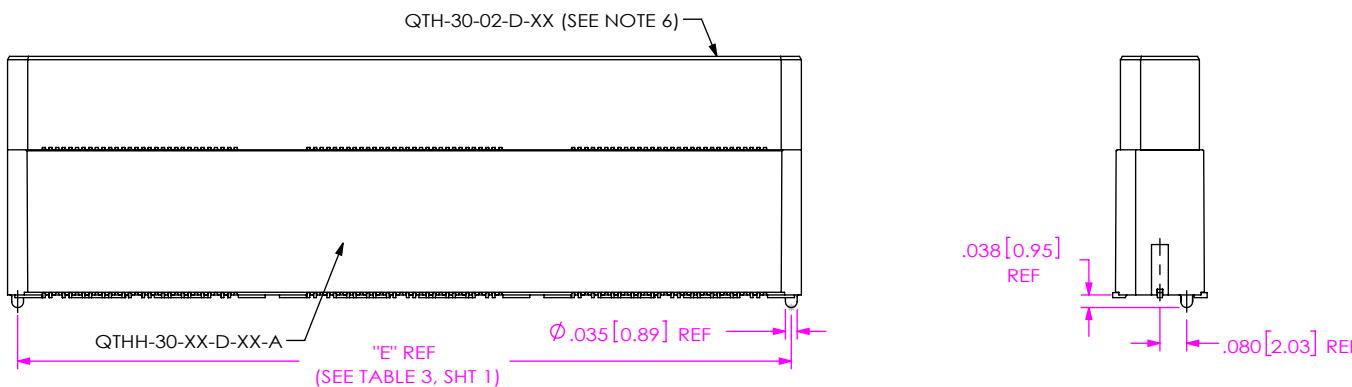


FIG 3
-A: ALIGNMENT PIN OPTION
(QTH-060-05-X-D-DP-A SHOWN)
(FOR -03 THRU -08 LEAD STYLE ONLY)
(SEE TABLE 4, SHT 3)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

No OF POS	"R"				"S"			
	-A, -LC, -FL	-GP	-RT1	-L	-A, -LC, -FL	-GP	-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]	2.481 [63.00]	1.043 [26.50]	1.302 [33.07]	1.369 [34.76]	1.103 [28.00]
-080	3.150 [80.01]	3.668 [93.15]	N/A	N/A	1.437 [36.50]	1.696 [43.07]	N/A	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

STYLE	"T"
-01	.173[4.39]
-02	.291[7.39]
-03	.409[10.39]
-04	.605[15.37]
-09	.527[13.39]
-10	.566[14.39]

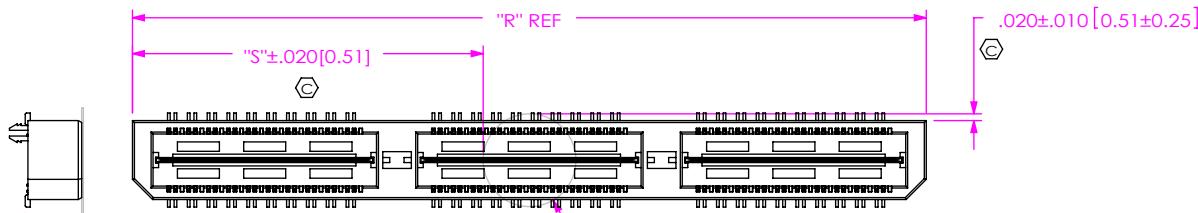


FIG 4
-K: POLYIMIDE FILM PAD OPTION
(USE K-500-300)

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DWG. NO.

QTH-XXX-XX-X-D-DP-XXX

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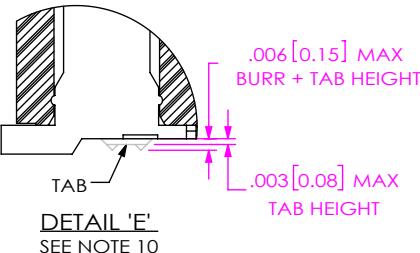


TABLE 4

STYLE	SEE FIGURE	"C" OVERALL HEIGHT	GROUND PLANE	TERMINAL	TOP BODY (SEE NOTE 6)	BOTTOM SPACER BODY (-LC OR NONE)	BOTTOM SPACER BODY (-A)	MATED HEIGHT WITH QSH-01
-03	5	.4043 [10.269]	T-1G1-03-X	T-1S60-03-X	QTH-30-02-D-XX	QTHH-30-01-D-XX	QTHH-30-01-D-XX-A	.433 [11.00] REF
-04	5	.6001 [15.243]	T-1G1-04-X	T-1S60-04-X	QTH-30-02-D-XX	QTHH-30-01-D-XX	QTHH-30-01-D-XX-A	.630 [16.00] REF
-05	6	.7181 [18.240]	T-1G1-05-X	T-1S60-05-X	QTH-30-02-D-XX	QTHH-30-03-D-XX	QTHH-30-03-D-XX-A	.748 [19.00] REF
-06	6	.8361 [21.237]	T-1G1-06-X	T-1S60-06-X	QTH-30-02-D-XX	QTHH-30-03-D-XX	QTHH-30-03-D-XX-A	.866 [22.00] REF
-07	7	.9542 [24.237]	T-1G17-01-X	T-1S61-21-X	QTH-30-02-D-XX	QTHH-30-04-D-XX	QTHH-30-04-D-XX-A	.984 [24.99] REF
-08	7	1.1511 [29.238]	T-1G17-02-X	T-1S61-22-X	QTH-30-02-D-XX	QTHH-30-04-D-XX	QTHH-30-04-D-XX-A	1.181 [30.00] REF
-09	5	.5224 [13.269]	T-1G1-09-X	T-1S60-09-X	QTH-30-02-D-XX	QTHH-30-01-D-XX	QTHH-30-01-D-XX-A	.551 [14.00] REF
-10	5	.5618 [14.270]	T-1G1-10-X	T-1S60-10-X	QTH-30-02-D-XX	QTHH-30-01-D-XX	QTHH-30-01-D-XX-A	.591 [15.01] REF

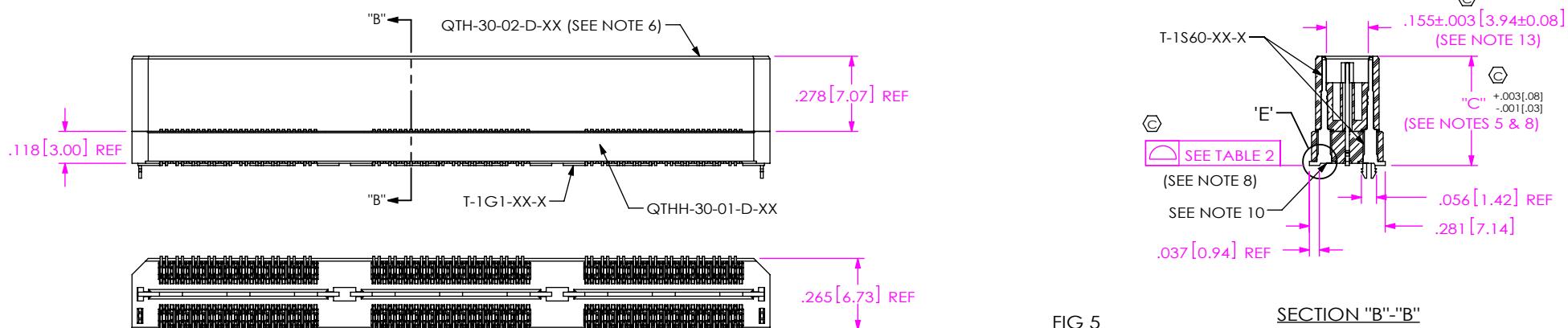


FIG 5
QTH-060-03-X-D-DP-LC SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

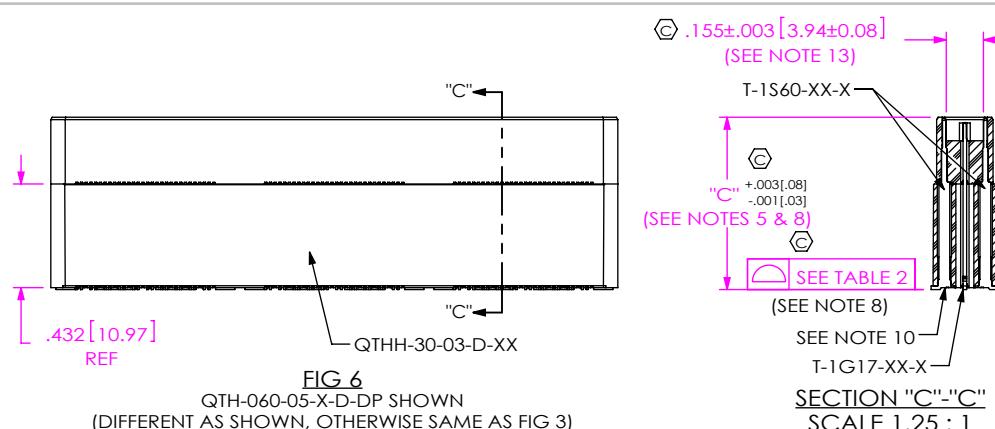


FIG 6
QTH-060-05-X-D-DP SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 3)

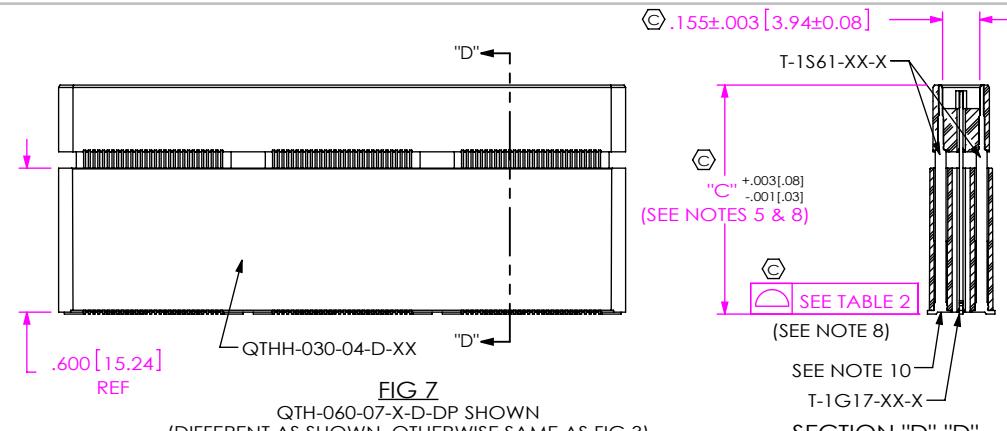


FIG 7
QTH-060-07-X-D-DP SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 3)

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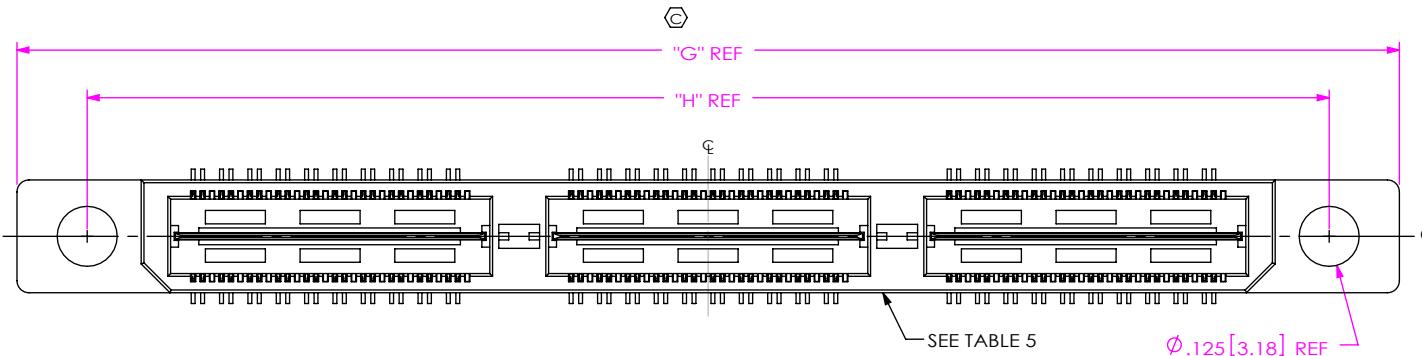


FIG 8
 -GP: GUIDE POST OPTION
 (QTH-060-01-X-D-DP-GP SHOWN)
 (FOR -01 & -02 LEAD STYLE ONLY)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

TABLE 8		
No OF POS	"G"	"H"
-020	1.305 [33.15]	1.013 [25.73]
-040	2.093 [53.15]	1.801 [45.73]
-060	2.880 [73.15]	2.588 [65.74]
-080	3.668 [93.15]	3.376 [85.74]
-100	4.455 [113.16]	4.163 [105.74]

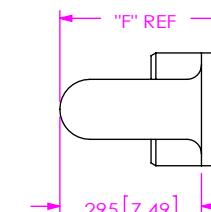


TABLE 7		
STYLE	"F"	BODY
-01	.3630[9.220]	QTH-30-01-D-XX-X-GP
*-02	.4811[12.220]	QTH-30-02-D-XX-X-GP

(* = NOT ENGINEERING APPROVED)

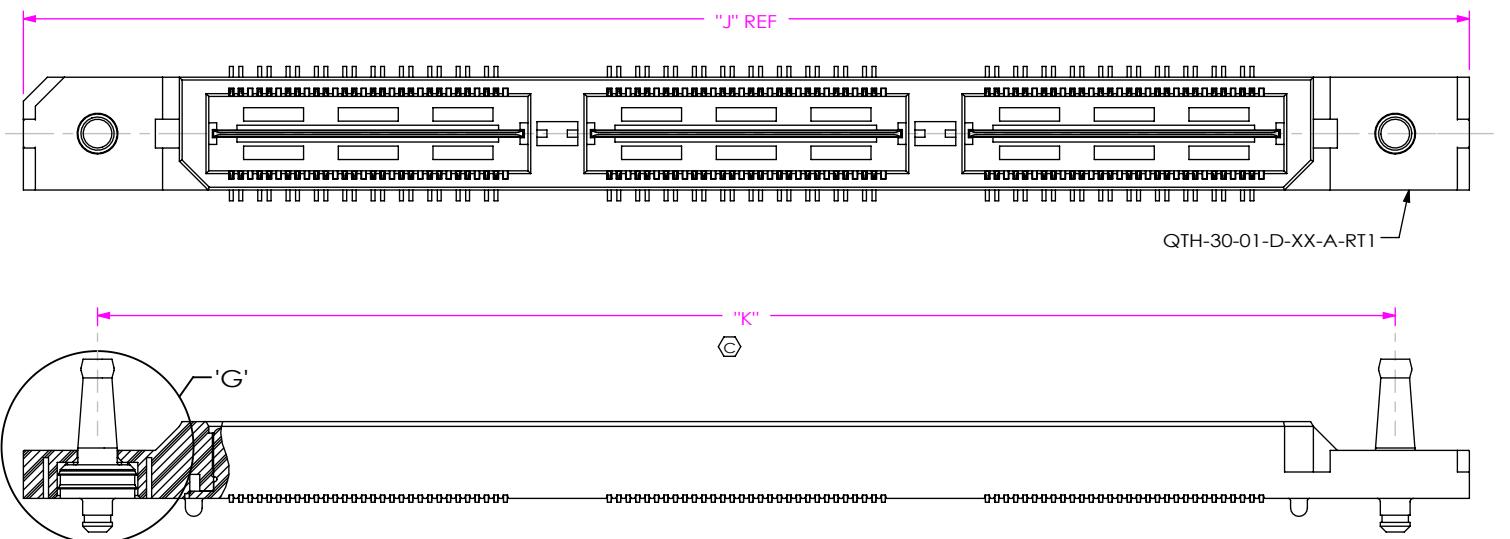


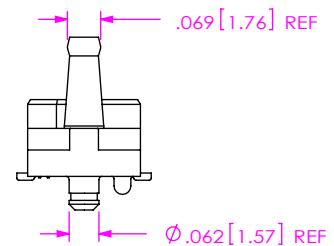
FIG 9
 -RT1: RETENTION OPTION
 (QTH-060-01-X-D-DP-A-RT1 SHOWN)
 (FOR -01 LEAD STYLE ONLY)
 (NOT AVAILABLE WITH -LC OR -GP OPTIONS)
 (NOT AVAILABLE ON -080 & -100 POS)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

DETAIL 'G'
 SCALE 3 : 1

.190 [4.83] (SEE NOTE 9)
 .100 [2.54] REF
 .070 [1.78] REF

T-1R36-01-F (2 PLCS)

TABLE 9		
No OF POS	"J"	"K"
-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	N/A	N/A
-100	N/A	N/A



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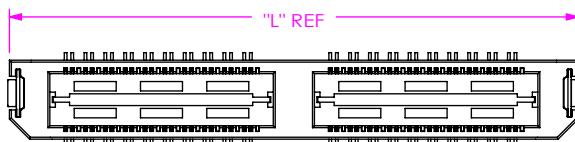


FIG 10
-L: LATCHING OPTION
(QTH-040-01-X-DP-L SHOWN)
(AVAILABLE ON -01 LEAD STYLE ONLY)
(NOT AVAILABLE WITH -LC, -GP, -FL, OR -RT1 OPTIONS)
(40 POS MAX)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

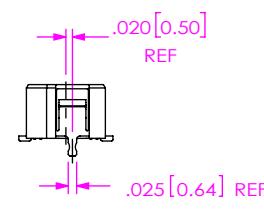
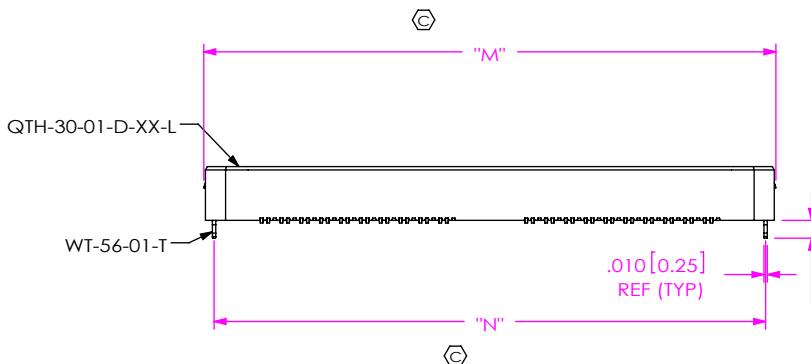
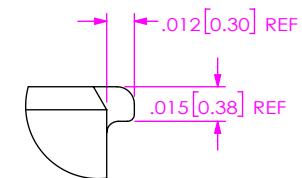
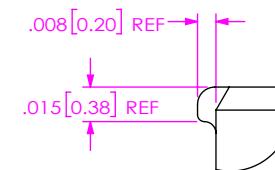
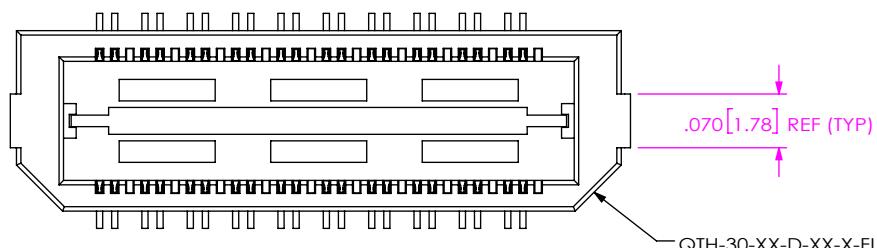


TABLE 10		
No OF POS	"L"	"M"
-020	.906 [23.01]	.915 [23.24]
-040	1.694 [43.01]	1.703 [43.24]
*-060	2.481 [63.02]	2.490 [63.25]
-080	N/A	N/A
-100	N/A	N/A

* = NOT RELEASED



DETAIL 'H'
SCALE 12 : 1

DETAIL 'J'
SCALE 12 : 1

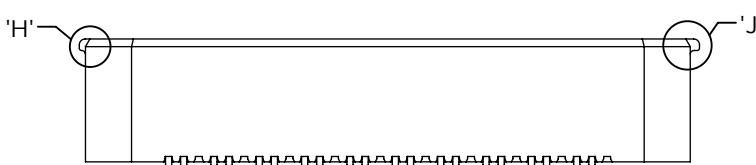


FIG 11
-FL: FRICTION LOCKS
(NOT AVAILABLE WITH -GP OPTION)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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