

DO NOT
SCALE FROM
THIS PRINT

TABLE 2		
POS	"A"	"B"
-030	.839 [21.31]	.793 [20.13]
-060	1.627 [41.31]	1.580 [40.13]
-090	2.417 [61.38]	2.368 [60.13]
-120	3.204 [81.38]	3.155 [80.14]
-150	3.991 [101.37]	3.943 [100.14]

TABLE 1	
No OF POS	COPLANARITY INCLUDING GROUND PLANE
-030 THRU -060	.004 [0.10]
-090 THRU -150	.006 [0.15]

QSH-XXX-01-X-D-XXX-X-XX

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

LEAD STYLE
-01: .1280[3.25]

PLATING SPECIFICATIONF

(SEE NOTES 8, 10 & 12)

-S: 30μ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
(USE C126-21-S/T-1G2-01-L)
-F: 3μ" FLASH SELECTIVE IN CONTACT AREA,
MATTE TIN ON TAIL
(USE C126-21-F/T-1G2-01-F)
(SEE NOTE 8)
-L: 10μ" LIGHT SELECTIVE GOLD IN CONTACT
AREA, MATTE TIN ON TAIL
(USE C126-21-L/T-1G2-01-L)
-H: 30μ" HEAVY GOLD IN CONTACT AREA,
3μ" GOLD ON TAIL
(USE C126-21-H/T-1G2-01-G)
-C: 50μ" ELECTRO-POLISHED SELECTIVE GOLD
IN CONTACT AREA, MATTE TIN ON TAIL
(USE C126-21-C/T-1G2-01-L)

ROW SPECIFICATION

-D: DOUBLE (USE QSH-30-01-D-XX)

No OF BANKS

PACKAGING

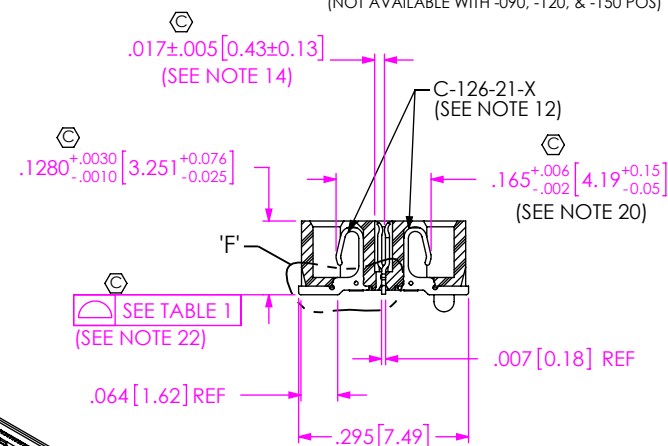
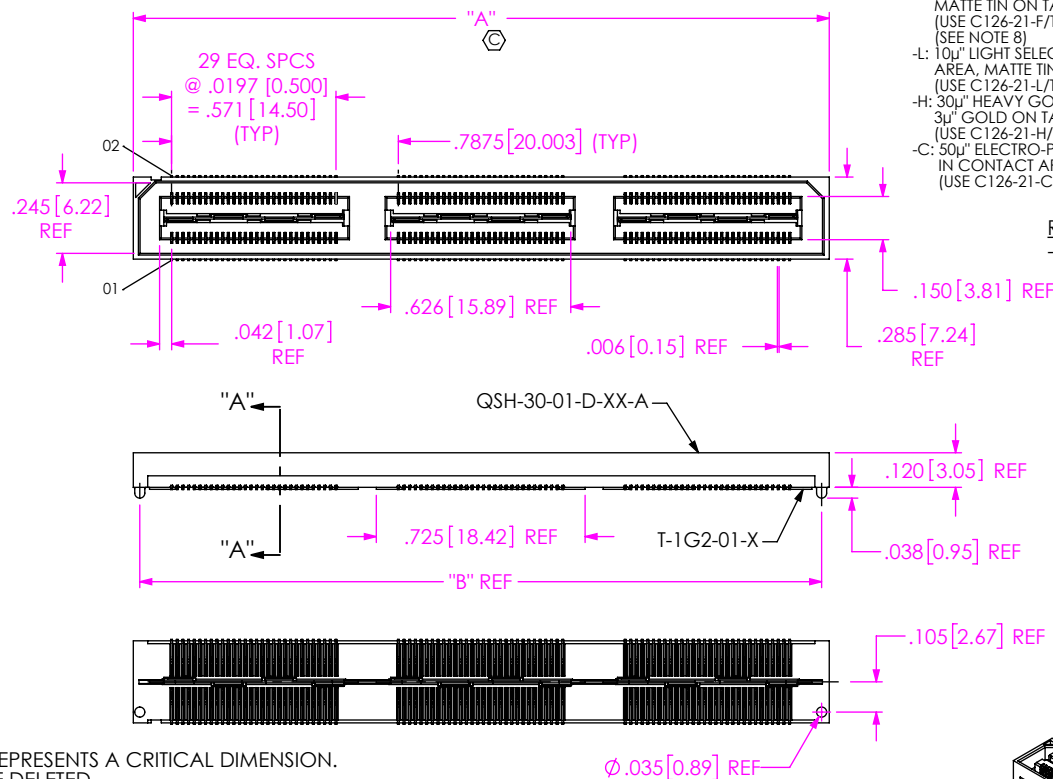
BLANK: TRAY (SEE NOTES 16 & 19)
-TR: TAPE & REEL (SEE NOTES 16 & 18)
(-090 POS MAX)
-FR: FULL REEL QTY TAPE & REEL
(SEE NOTES 16 & 18)
(-090 POS MAX)

PICK & PLACE OPTION

-K: POLYIMIDE FILM
(USE K-DOT-.325-.450-.005, SEE FIG 3, SHT 2)

OPTIONS

-A: ALIGNMENT PINS
(USE QSH-30-01-D-XX-A)
(NOT AVAILABLE WITH -LC)
-LC: LOCKING CLIPS
(USE LC-08-TM-01, SEE FIG 2, SHT 2)
(NOT AVAILABLE WITH -A)
(SEE NOTE 13)
-GP: GUIDE POSTS
(USE QSH-30-01-D-XX-X-GP)
(SEE FIG 4, SHT 3)
(TAPE & REEL FOR -GP, -060 POS MAX)
-FL: FRICTION LOCKS
(SEE FIG 5, SHT 3)
(NOT AVAILABLE WITH -GP)
-RT1: RETENTION (MUST USE -A OPTION)
(USE QSH-30-01-D-XX-A-RT1
& SUB-SC-05-01-FF, SEE FIG 6, SHT 4)
(NOT AVAILABLE WITH -LC, -GP, OR -FL)
(NOT AVAILABLE WITH -120 & -150 POS)
-L: LATCHING
(USE QSH-30-01-D-XX-A-L, SEE FIG 7, SHT 4)
(MUST SELECT -A, NOT AVAILABLE WITH OTHER OPTIONS)
(NOT AVAILABLE WITH -090, -120, & -150 POS)

SECTION "A"- "A"
SCALE 3 : 1

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. NOTE DELETED.
3. CONTACT RETENTION: 8 OZ. MINIMUM.
4. GROUND PLANE RETENTION: 8 OZ. MINIMUM.
5. NOTE DELETED.
6. NOTE DELETED.
7. DIMENSION APPLIES TO CONTACT & GROUND PLANE.
8. -L PLATING CAN BE SUBSTITUTED FOR -F PLATING.
9. SUB-SC-05-01-XX RETENTION TO BE 1.0 LBF IN BODY.
10. MAY SUB C-126-01 FOR C-126-21.
11. FOR NEW APPLICATIONS REQUIRING THESE POSITIONS, PLEASE CONTACT SAMTEC INTERCONNECT PROCESSING GROUP.
12. FOR -120, -150 POSITIONS USE C-269-11-X. DO NOT SUB C-126.
13. 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.
14. CHECK ONCE PER BANK ALTERNATING SIDES FOR MULTIPLE BANK PARTS.
15. SIDE WALLS ARE RIBBED AS NECESSARY TO CONTROL BOW.
16. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
17. NOTE DELETED.
18. ATTACH LABEL -4X2 TO EACH REEL.
19. TRAYS ARE STANDARD PACKAGING.
20. ANY CHANGES SHOULD ALSO BE APPLIED TO QSH, QSE, QSS, BSH, BSE, AND BSS.
21. DIMENSION MEASURED, ON EACH BANK, FROM A PLANE CREATED FROM THE SIGNAL PINS.
22. COPLANARITY INCLUDES SIGNAL PINS AND GROUND PLANES.

FIG 1
-A: ALIGNMENT PIN OPTION
(QSH-090-01-X-D-A SHOWN)UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES
.XX: ±.01 [3]
.XXX: ±.005 [13]
.XXXX: ±.0020 [0.51]

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MATERIAL: DO NOT SCALE DRAWING

SHEET SCALE: 3:2

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

DESCRIPTION:

.5mm DOUBLE ROW HS SOCKET ASSEMBLY

DWG. NO.

QSH-XXX-01-X-D-XXX-X-XX

BY: DEAN P

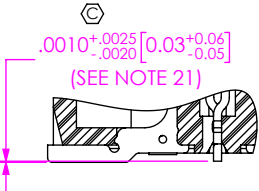
05/21/1999

SHEET 1 OF 4

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DETAIL 'F'
SCALE 6 : 1

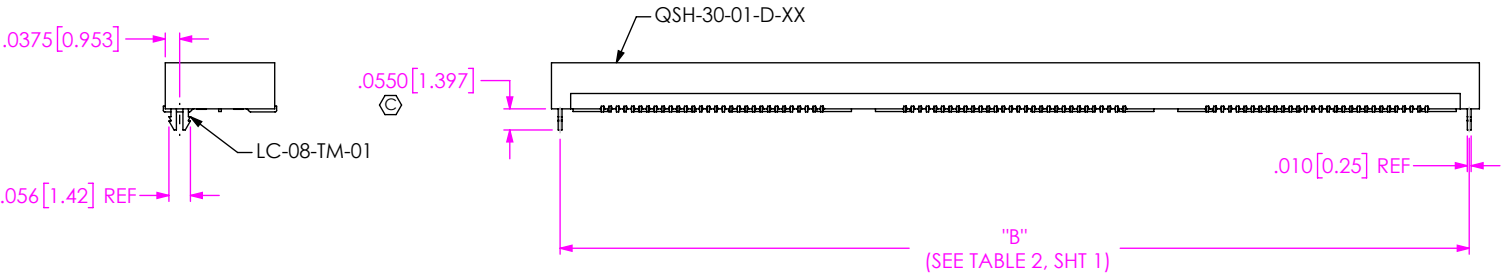


FIG 2
-LC: LOCKING CLIP OPTION
(QSH-090-01-X-D-LC SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)

TABLE 3								
No OF POS	"R"				"S"			
	-LC, -A, -FL	-GP	-RT1	-L	-LC, -A, -FL	-GP	-RT1	-L
-030	.839 [21.31]	1.216 [30.89]	1.438 [36.51]	1.048 [26.61]	.257 [6.53]	.446 [11.32]	.556 [14.13]	.361 [9.18]
-060	1.627 [41.31]	2.004 [50.89]	2.225 [56.52]	1.835 [46.61]	.651 [16.53]	.839 [21.32]	.950 [24.13]	.755 [19.18]
-090	2.417 [61.38]	2.791 [70.89]	3.013 [76.52]	2.623 [66.61]	1.046 [26.56]	1.233 [31.32]	1.344 [34.13]	1.149 [29.18]
-120	3.204 [81.38]	3.579 [90.89]	N/A	N/A	1.440 [36.56]	1.627 [41.32]	N/A	N/A
-150	3.991 [101.37]	4.366 [110.90]	N/A	N/A	1.833 [46.56]	2.021 [51.32]	N/A	N/A

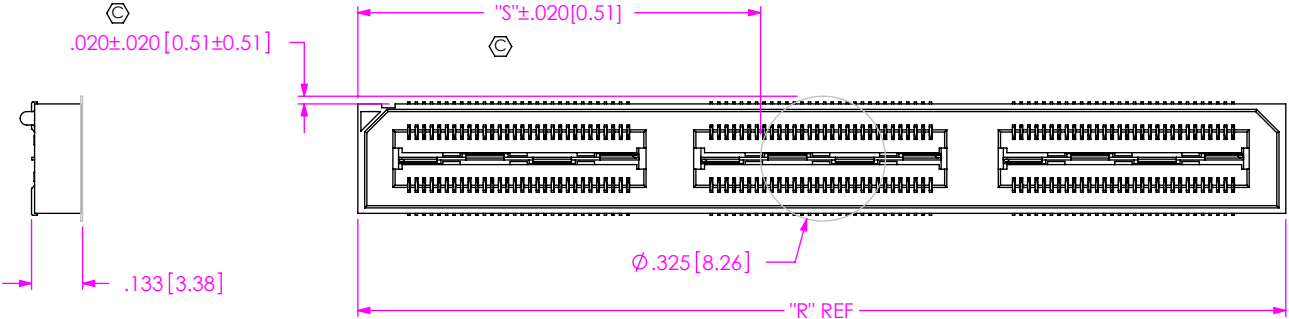


FIG 3
-K: POLYIMIDE FILM
(USE K-DOT-.325-.450-.005)

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DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION:
.5mm DOUBLE ROW HS SOCKET ASSEMBLY

DWG. NO.
QSH-XXX-01-X-D-XXX-X-XX

BY: DEAN P 05/21/1999 SHEET 2 OF 4

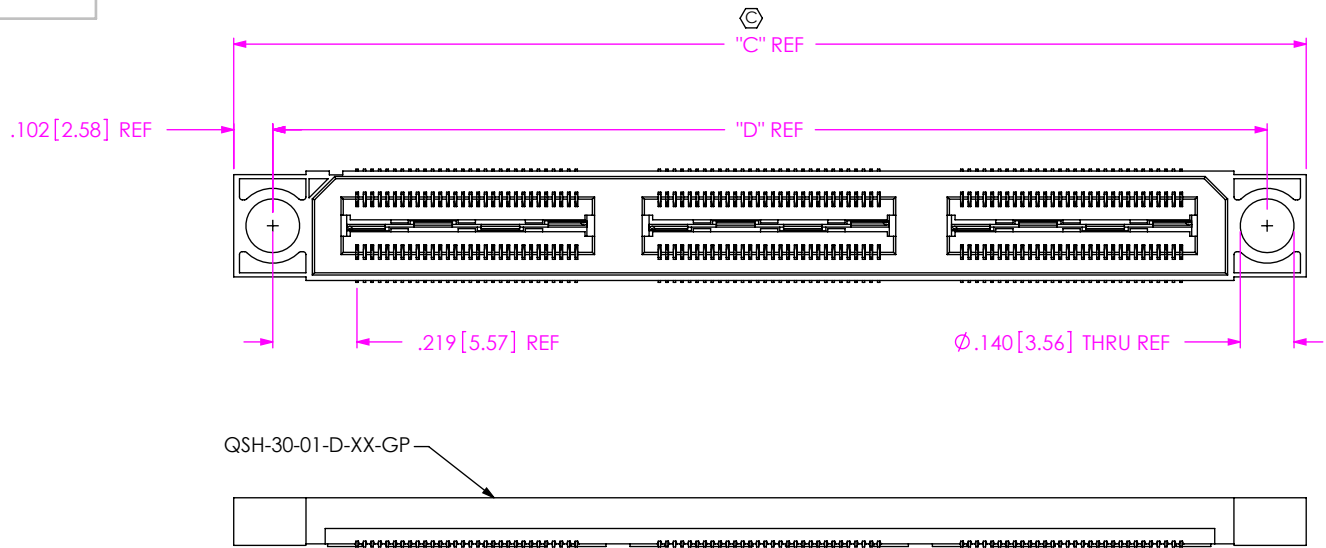


FIG 4
-GP: GUIDE POSTS
(QSH-090-01-X-D-GP SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)

TABLE 4		
POS	"C"	"D"
-030	1.216 [30.89]	1.013 [25.73]
-060	2.004 [50.89]	1.801 [45.73]
-090	2.791 [70.89]	2.588 [65.74]
-120	3.579 [90.89]	3.376 [85.74]
-150	4.366 [110.90]	4.163 [105.74]

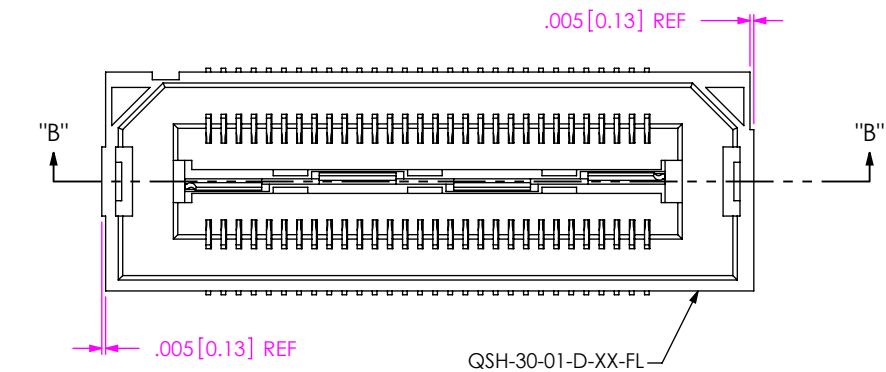
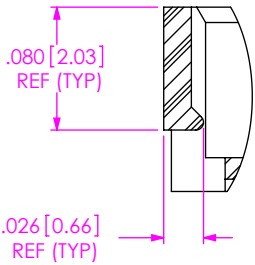
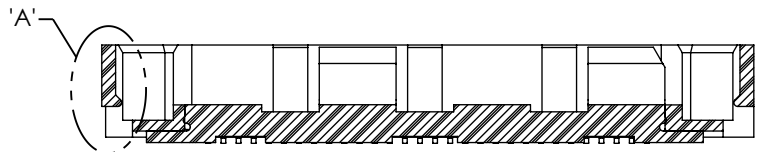


FIG 5
-FL: FRICTION LOCKS
(QSH-030-01-X-D-FL SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)



DETAIL 'A'
SCALE 8 : 1



SECTION 'B'-'B'
SCALE 4 : 1

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SHEET SCALE: 2:1		DWG. NO. QSH-XXX-01-X-D-XXX-X-XX	
		BY: DEAN P	05/21/1999 SHEET 3 OF 4

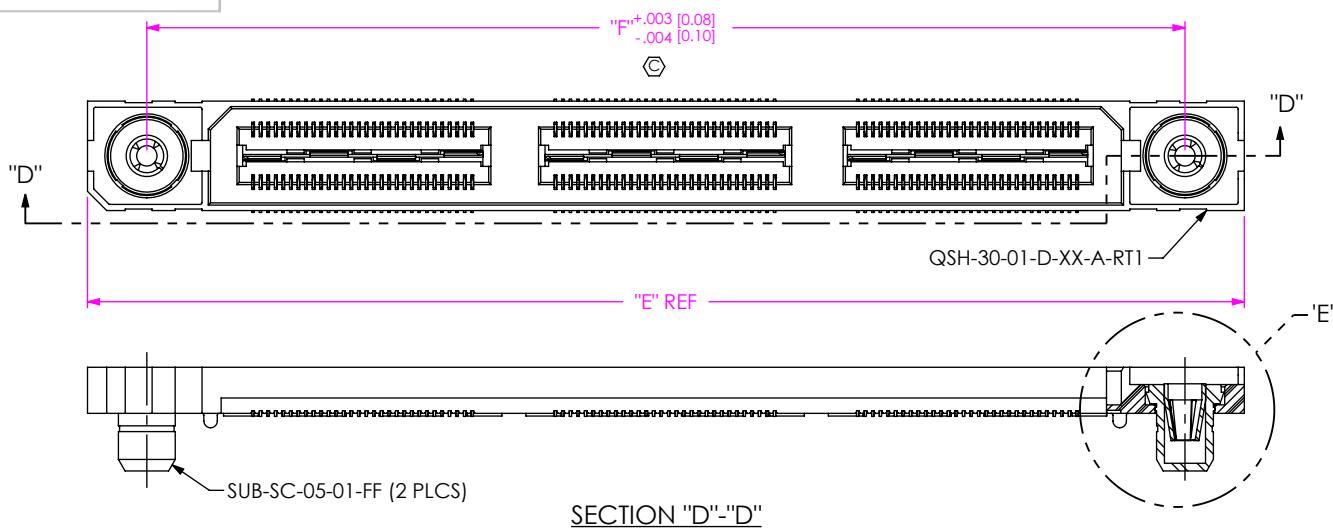


TABLE 5		
POS	"E"	"F"
-030	1.438 [36.51]	1.129 [28.66]
-060	2.225 [56.52]	1.916 [48.67]
-090	3.013 [76.52]	2.704 [68.67]
-120	N/A	N/A
-150	N/A	N/A

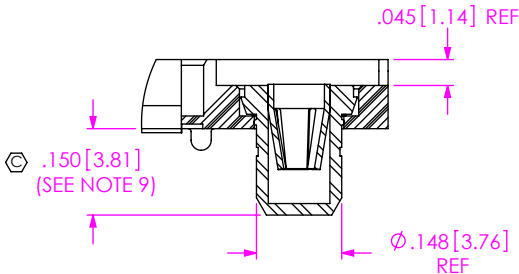


FIG 6
-RT1: RETENTION OPTION
(QSH-090-01-X-D-A-RT1 SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)

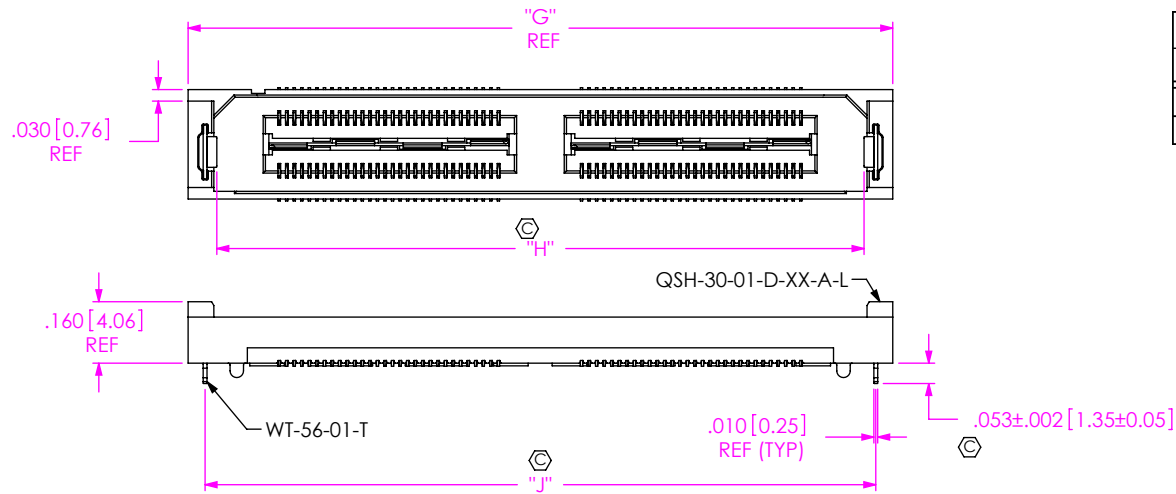


TABLE 6			
POS	"G"	"H"	"J"
-030	1.048 [26.61]	.897 [22.78]	.959 [24.36]
-060	1.835 [46.61]	1.684 [42.78]	1.747 [44.36]

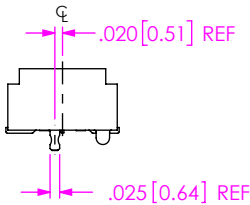


FIG 7
-L: LATCHING OPTION
(QSH-060-01-X-D-A-L SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)

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