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[QSE-020-01-L-D-A](#)

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TABLE 2			
No OF POS	"A"		"B"
-020	.838 [21.27]		.793 [20.13]
-040	1.625 [41.28]	1.580 [40.13]	
-060	2.413 [61.28]	2.368 [60.13]	
*-080	3.200 [81.28]	3.155 [80.14]	
*-100	3.988 [101.28]	3.943 [100.14]	

(*= SEE NOTE 17)

TABLE 1	
No OF POS	COPLANARITY INCLUDING GP
-020 THRU -040	.004[0.10]
-060, *-080, *-100	.006[0.15]

(*= SEE NOTE 17)

QSE-XXX-01-XXX-D-XXX

No OF POSITIONS
-020, -040, -060
*-080, *-100 (PER ROW)
(*= SEE NOTE 17 & 18)

LEAD STYLE
-01: .1280[3.251]

PLATING SPECIFICATION

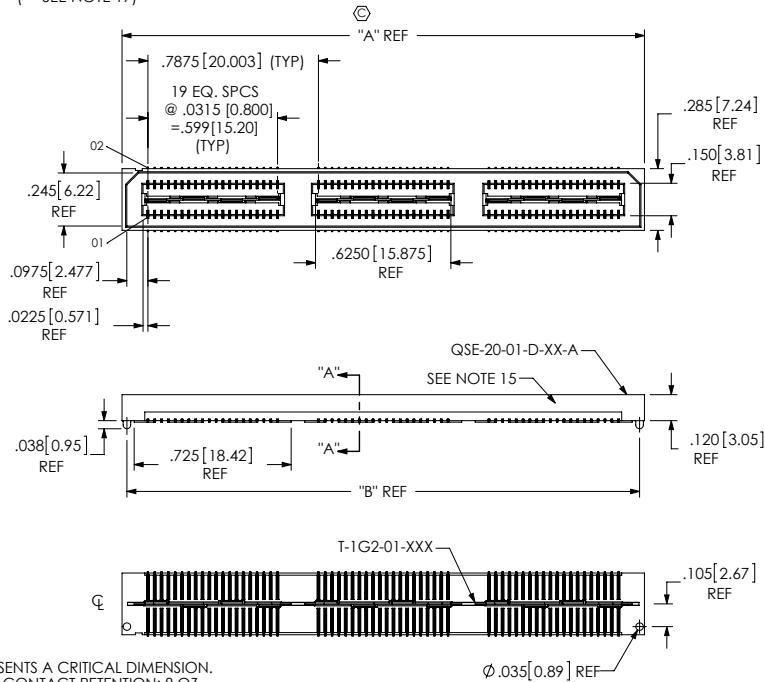
(SEE NOTES 8, 11 & 13)
-F: 30μ SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE C-126-21-F, T-1G2-01-F) (SEE NOTE 8)
-L: 10μ SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE C-126-21-L, T-1G2-01-L)
-H: 30μ GOLD IN CONTACT AREA, 30μ GOLD ON TAIL (USE C-126-21-H, T-1G2-01-G)
-C: 50μ ELECTRO POLISHED SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE C-126-21-C, T-1G2-01-C)
-STL: 30μ SELECTIVE GOLD IN CONTACT AREA, TIN LEAD (90/10 ±5%) ON TAIL (USE C-126-21-STL, T-1G2-01-STL)
-FTL: 30μ SELECTIVE GOLD IN CONTACT AREA, TIN LEAD (90/10 ±5%) ON TAIL (USE C-126-21-FTL, T-1G2-01-FTL)
-LTL: 10μ SELECTIVE GOLD IN CONTACT AREA, TIN LEAD (90/10 ±5%) ON TAIL (USE C-126-21-LTL, T-1G2-01-LTL)
-S: 30μ SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE C-126-21-S, T-1G2-01-S)

OPTION

-A: ALIGNMENT PINS (USE QSE-20-XX-D-XX-A) (NOT AVAILABLE WITH -LC OPTION)
-LC: LOCKING CLIPS (SEE NOTE 14) (USE LC-08-1M-01, SEE FIG 2, SHT 2) (NOT AVAILABLE WITH -A OPTION)
-GP: GUIDE POSTS (SEE FIG 4, SHT 3) (USE QSE-20-01-D-XX-X-GP) (T & R PACKAGING: 40 POS MAX)
-K: POLYIMIDE FILM (USE K-DOT: 325-450-005) (SEE FIG 3, SHT 2)
-TR: TAPE & REEL (60 POS MAX) (40 POS MAX -GP OPTION)
-FL: FRICTION LOCKS (SEE FIG 5, SHT 3) (NOT AVAILABLE WITH -GP)
-RTI: RETENTION OPTION (MUST USE -A OPTION) (USE QSE-20-01-D-XX-A-RTI & SUB-SC-05-01-FF) (SEE FIG 6, SHT 4) (NOT AVAILABLE WITH -LC, -GP, OR -FL)
-L: LATCHING OPTION (40 POS MAX) (SEE FIG 7, SHT 4) (MUST USE -A OPTION) (NOT AVAILABLE WITH -LC, -GP, -FL OR -RTI)

ROW SPECIFICATION

-D: DOUBLE (USE QSE-20-XX-D-XX)
No OF BANKS



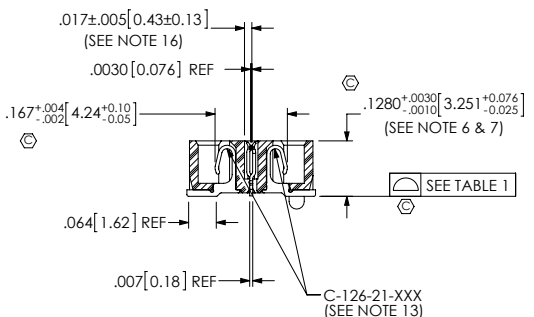
NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM CONTACT RETENTION: 8 OZ
3. MINIMUM GROUND PLANE RETENTION: 8 OZ
4. PARTS ARE MOLDED TO POSITION.
5. DELETED.
6. MAXIMUM VARIANCE: .002[0.51].
7. DIMENSION APPLIES TO CONTACTS & GROUND PLANE.
8. -L PLATING CAN BE SUBSTITUTED FOR -F PLATING. -G PLATED GROUND PLANE CAN BE SUBSTITUTED FOR -F PLATED GROUND PLANE.
9. GROUND PLANE PRESS HEIGHT MUST BE .003 [0.08] LESS THAN THE MAX HEIGHT OR .001 [0.03] GREATER THAN THE MINIMUM HEIGHT OF THE SOCKETS.
10. MINIMUM SUB-SC-05-01-XX RETENTION: 1 LB IN BODY.
11. MAY SUB C-126-01-XXX FOR C-126-21-XXX.
12. NOTE DELETED.
13. FOR -080, -100 POSITIONS USE C-269-11-XXX. DO NOT SUB C-126.
14. 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.
15. SIDE WALLS ARE RIBBED AS NECESSARY TO CONTROL BOW.
16. CHECK ONCE PER BANK ALTERNATING SIDES FOR MULTIPLE BANK PARTS.
17. AVAILABLE FOR EXISTING CUSTOMERS ONLY.
18. FOR NEW APPLICATIONS REQUIRING THESE POSITIONS, PLEASE CONTACT SAMTEC INTERCONNECT PROCESSING GROUP.

FIG 1

-A: ALIGNMENT PIN OPTION
(QSE-060-01-XXX-D-A SHOWN)

SECTION "A"-A



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

MATERIAL: DO NOT SCALE DRAWING
INSULATOR: LCP, UL94V-0; COLOR: BLACK
CONTACT: PHOS BRONZE
GROUND PLANE: PHOS BRONZE

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SHEET SCALE: 1.5:1

Samtec

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

DESCRIPTION: .8mm DOUBLE ROW HS SOCKET ASSEMBLY

DWG. NO. QSE-XXX-01-XXX-D-XXX

BY: ERIC M 05/20/1999 SHEET 1 OF 5

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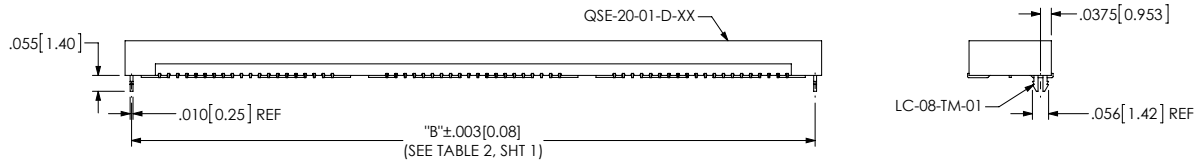


FIG 2
 -LC: LOCKING CLIP OPTION
 (QSE-060-01-XXX-D-LC SHOWN)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

TABLE 3								
No OF POS	"R"				"S"			
	-LC, -A, -FL	-GP	-RT1	-L	-LC, -A, -FL	-GP	-RT1	-L
-020	.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]
-040	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]
-060	2.417 [61.38]	2.791 [70.89]	3.013 [76.52]	N/A	1.046 [26.56]	1.233 [31.32]	1.344 [34.13]	N/A
*-080	3.204 [81.38]	3.579 [90.89]	3.800 [96.52]	N/A	1.440 [36.56]	1.627 [41.32]	1.738 [44.13]	N/A
*-100	3.991 [101.37]	4.366 [110.90]	N/A	N/A	1.833 [46.56]	2.021 [51.32]	N/A	N/A

(* = SEE NOTE 17)

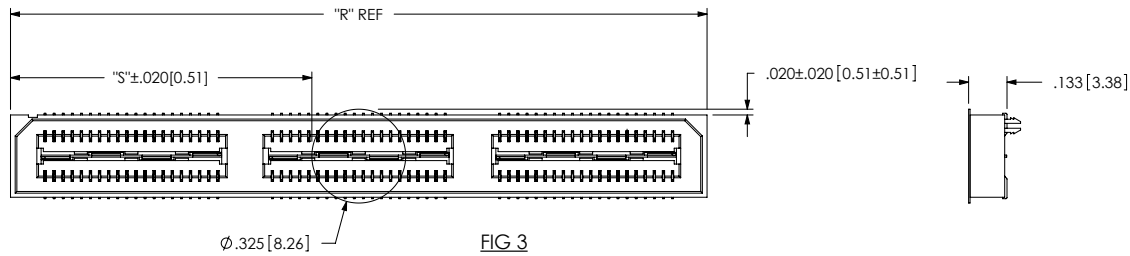


FIG 3
 -K: POLYIMIDE FILM PAD
 (K-DOT-.325-.450-.005)

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	DO NOT SCALE DRAWING	
	SHEET SCALE: 2:1	
	DESCRIPTION: .8mm DOUBLE ROW HS SOCKET ASSEMBLY	DWG. NO. QSE-XXX-01-XXX-D-XXX

BY: ERIC M 05/20/1999 SHEET 2 OF 5

REVISION BK

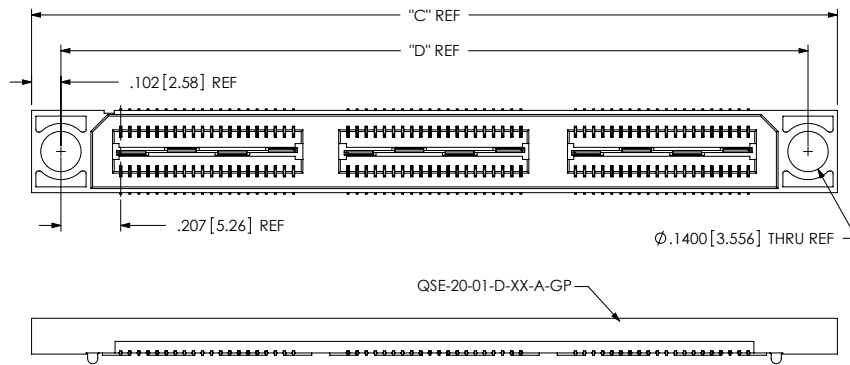
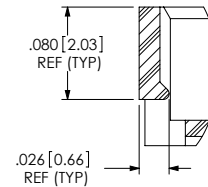
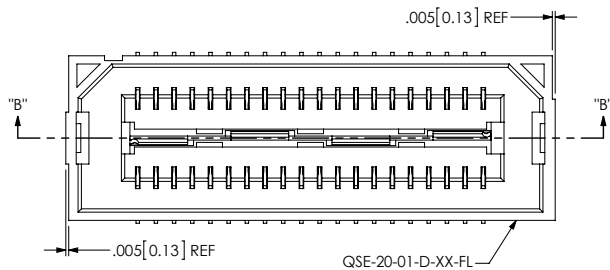


FIG 4
-GP: GUIDE POST OPTION
(QSE-060-01-XXX-D-A-GP SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(40 POS MAX WITH T & R PACKAGING)

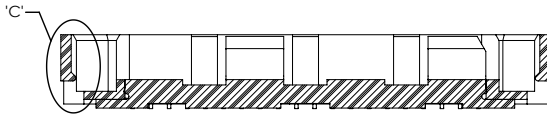
TABLE 4		
POS	"C"	"D"
-020	1.216 [30.89]	1.013 [25.72]
-040	2.004 [50.89]	1.800 [45.72]
-060	2.791 [70.89]	2.588 [65.72]
*-080	3.579 [90.89]	3.375 [85.73]
*-100	4.366 [110.90]	4.163 [105.73]

(* = SEE NOTE 17)



DETAIL 'C'
SCALE 8 : 1

FIG 5
-FL: FRICTION LOCKS
(QSE-020-01-XXX-D-FL SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(NOT AVAILABLE WITH -GP OPTION)



SECTION "B"-"B"
SCALE 4 : 1

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	DO NOT SCALE DRAWING SHEET SCALE: 2:1	DESCRIPTION: .8mm DOUBLE ROW HS SOCKET ASSEMBLY DWG. NO. QSE-XXX-01-XXX-D-XXX BY: ERIC M 05/20/1999 SHEET 3 OF 5

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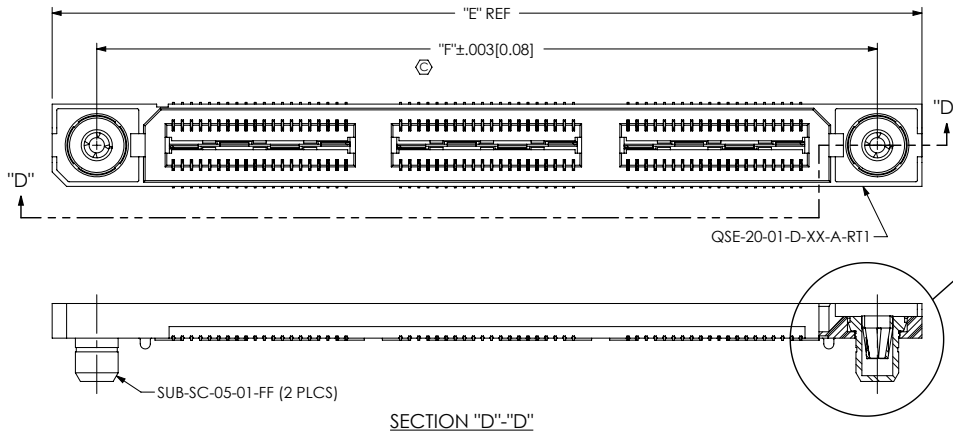


TABLE 5		
POS	"E"	"F"
-020	1.438 [36.51]	1.129 [28.66]
-040	2.225 [56.52]	1.916 [48.67]
-060	3.013 [76.52]	2.704 [68.67]
*-080	3.800 [96.52]	3.491 [88.67]
*-100	N/A	N/A

(* = SEE NOTE 17)

FIG 6
-RT1: RETENTION OPTION
(QSE-060-01-XXX-D-A-RT1 SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(MUST USE -A OPTION)
(NOT AVAILABLE WITH -LC, -GP, OR -FL OPTIONS)
(NOT AVAILABLE WITH -100 POS)

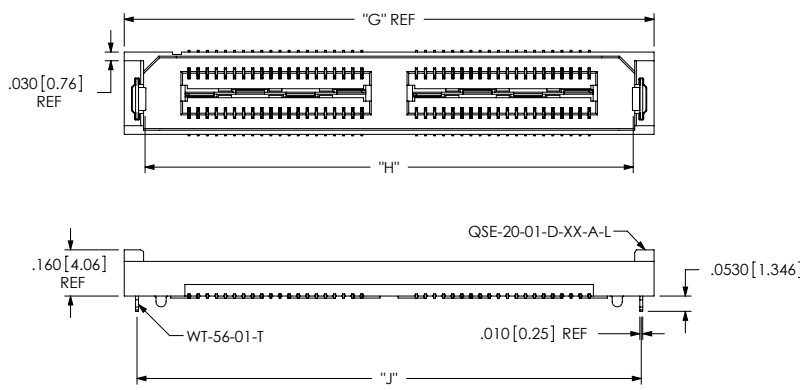


TABLE 6			
POS	"G"	"H"	"J"
-020	1.048 [26.61]	.897 [22.78]	.959 [24.36]
-040	1.835 [46.61]	1.684 [42.78]	1.747 [44.36]
-060	N/A	N/A	N/A
*-080	N/A	N/A	N/A
*-100	N/A	N/A	N/A

(* = SEE NOTE 17)

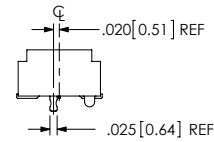


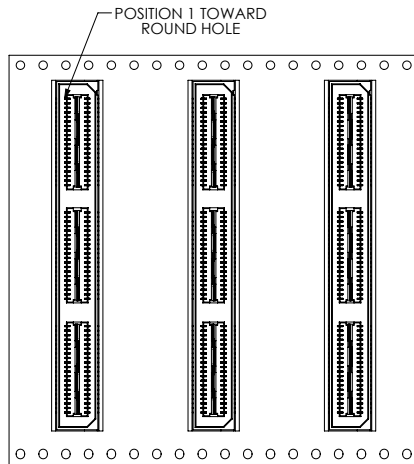
FIG 7
-L: LATCHING OPTION
(QSE-040-01-XXX-D-A-L SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(MUST USE -A OPTION) (40 POS MAX)
(NOT AVAILABLE WITH -LC, -GP, -FL, OR -RT1 OPTIONS)

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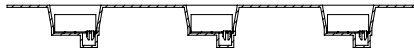
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FIG 8
 -TR: PACKAGING OPTION
 (QSE-060-01-XXX-D-LC-TR SHOWN)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
 (60 POS MAX)
 (40 POS MAX WITH -GP OPTION)



USER DIRECTION OF UNREELING →
 POCKET NOT DETAILED



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