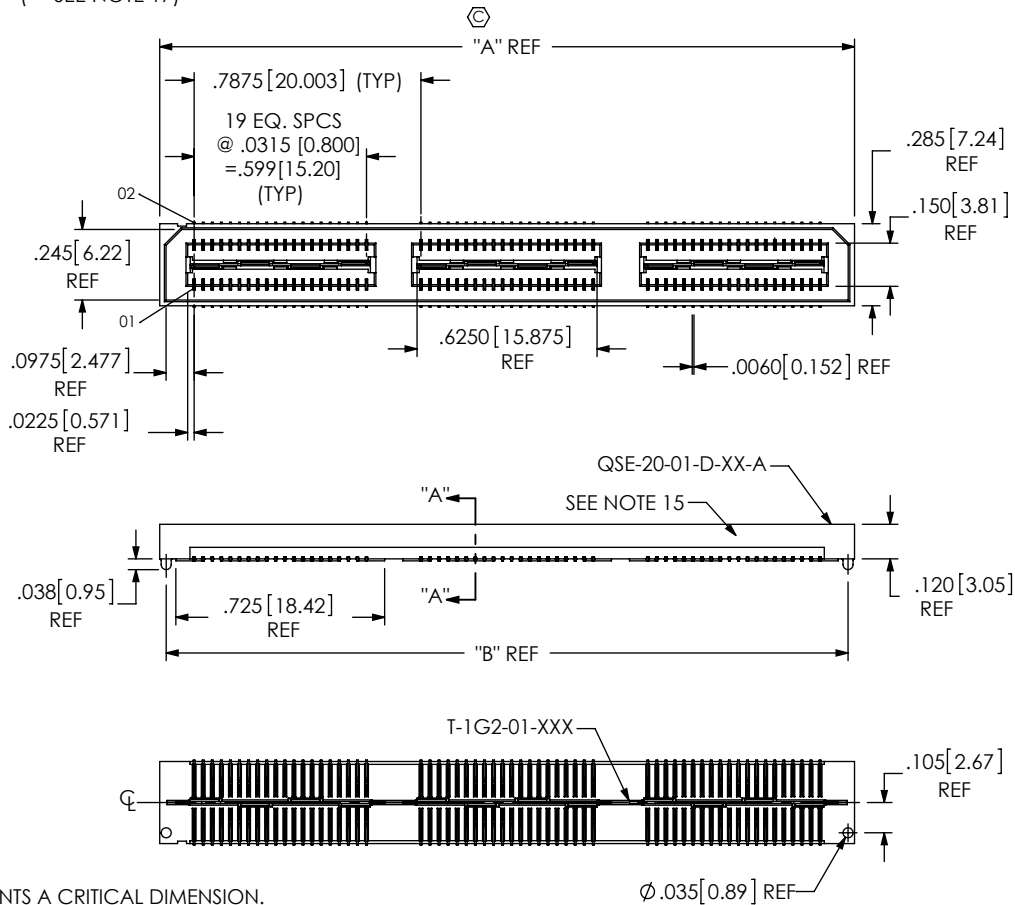


| TABLE 2   |                |                |
|-----------|----------------|----------------|
| No OF POS | "A"            | "B"            |
| -020      | .838 [21.27]   | .793 [20.13]   |
| -040      | 1.625 [41.28]  | 1.580 [40.13]  |
| -060      | 2.413 [61.28]  | 2.368 [60.13]  |
| *-080     | 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)



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.

QSE-XXX-01-XXX-D-XXX

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

LEAD STYLE  
-01: .1280[3.251]

PLATING SPECIFICATION

(SEE NOTES 8, 11 & 13)  
-F: 3μ" 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, 3μ" 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-L)  
-STL: 30μ" SELECTIVE GOLD IN CONTACT AREA, TIN LEAD (90/10 ±5%) ON TAIL (USE C-126-21-STL, T-1G2-01-STL)  
-FTL: 3μ" 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-L)

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) (SEE FIG 8, SHT 5) (40 POS MAX -GP OPTION)  
-FL: FRICTION LOCKS (SEE FIG 5, SHT 3) (NOT AVAILABLE WITH -GP)  
-RT1: RETENTION OPTION (MUST USE -A OPTION) (USE QSE-20-01-D-XX-A-RT1 & SUB-SC-05-01-FF) (SEE FIG 6, SHT 4) (NOT AVAILABLE WITH -LC, -GP, OR -FL) (NOT AVAILABLE WITH -100 POS)  
-L: LATCHING OPTION (40 POS MAX) (SEE FIG 7, SHT 4) (MUST USE -A OPTION) (NOT AVAILABLE WITH -LC, -GP, -FL, OR -RT1)

ROW SPECIFICATION

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

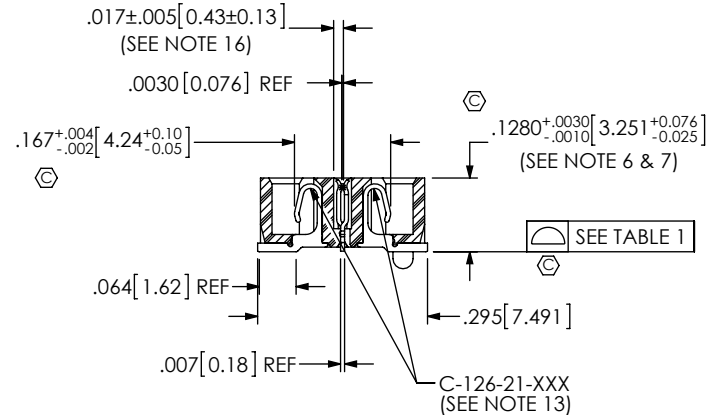


FIG 1

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

SECTION "A"-A"

|                                                                                                                                                                                         |  |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UNLESS OTHERWISE SPECIFIED,<br>DIMENSIONS ARE IN INCHES.<br>TOLERANCES ARE:<br><br>DECIMALS            ANGLES<br>.XX: ±.01[.3]            2°<br>.XXX: ±.005[.13]<br>.XXXX: ±.0020[.051] |  | PROPRIETARY NOTE<br>THIS DOCUMENT CONTAINS INFORMATION<br>CONFIDENTIAL AND PROPRIETARY TO<br>SAMTEC, INC. AND SHALL NOT BE REPRODUCED<br>OR TRANSFERRED TO OTHER DOCUMENTS OR<br>DISCLOSED TO OTHERS OR USED FOR ANY<br>PURPOSE OTHER THAN THAT WHICH IT WAS<br>OBTAINED WITHOUT THE EXPRESSED WRITTEN<br>CONSENT OF SAMTEC, INC. | <br><br>520 PARK EAST BLVD, NEW ALBANY, IN 47150<br>PHONE: 812-944-6733    FAX: 812-948-5047<br>e-Mail info@SAMTEC.com    code 55322 |
| MATERIAL:            DO NOT SCALE DRAWING            SHEET SCALE: 1:5.1<br>INSULATOR: LCP, UL94V-0; COLOR: BLACK<br>CONTACT: PHOS BRONZE<br>GROUND PLANE: PHOS BRONZE                   |  | DESCRIPTION:<br><br>.8mm DOUBLE ROW HS SOCKET ASSEMBLY<br><br>DWG. NO.<br>QSE-XXX-01-XXX-D-XXX                                                                                                                                                                                                                                    |                                                                                                                                                                                                                           |
| F:\DWG\MISC\MKTG\QSE-XXX-01-XXX-D-XXX-MKT.SLDDRW                                                                                                                                        |  | BY: ERIC M            05/20/1999                                                                                                                                                                                                                                                                                                  | SHEET 1 OF 5                                                                                                                                                                                                              |



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)

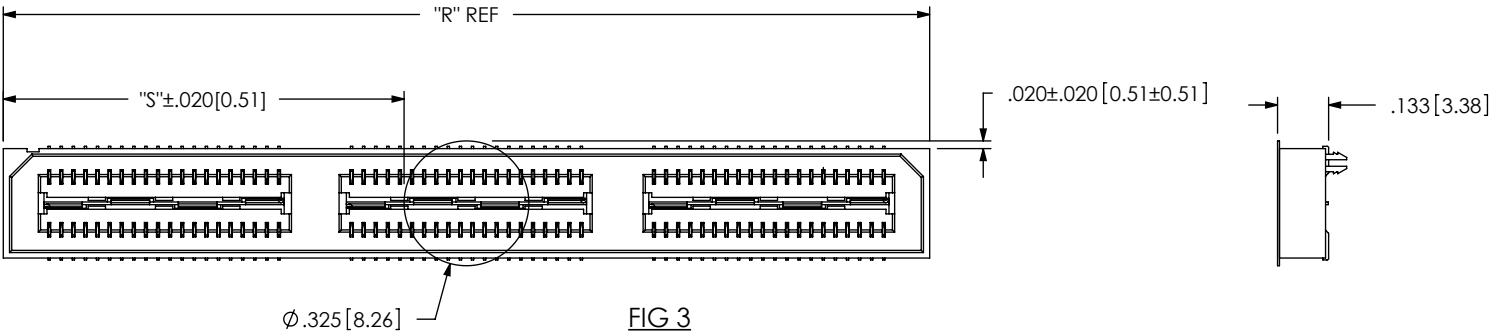


FIG 3  
-K: POLYIMIDE FILM PAD  
(K-DOT-.325-.450-.005)

F:\DWG\MISC\MKTG\QSE-XXX-01-XXX-D-XXX-MKT.SLDDRW

|                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                        |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
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|                                                                                                                                                                                                                                                                                                                                                                                 | DESCRIPTION:<br>.8mm DOUBLE ROW HS SOCKET ASSEMBLY                                                                                                                                                                     |            |
|                                                                                                                                                                                                                                                                                                                                                                                 | DWG. NO.<br>QSE-XXX-01-XXX-D-XXX                                                                                                                                                                                       |            |
|                                                                                                                                                                                                                                                                                                                                                                                 | BY: ERIC M                                                                                                                                                                                                             | 05/20/1999 |
| SHEET 2 OF 5                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                        |            |

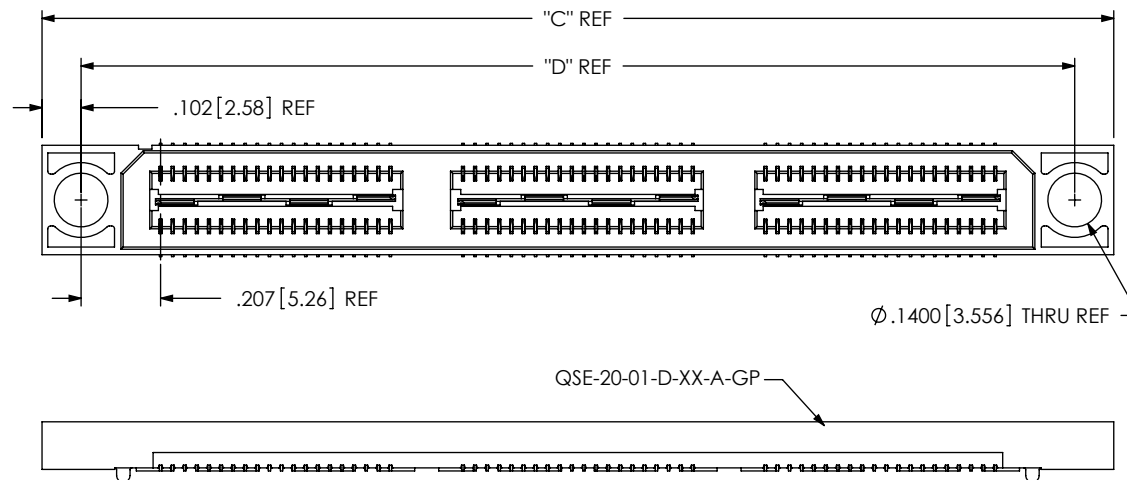


FIG 4  
-GP: GUIDE POST OPTION  
(QSE-060-01-XXX-D-A-GP SHOWN)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
(40 POS MAX WITH T & R PACKAGING)

| 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)

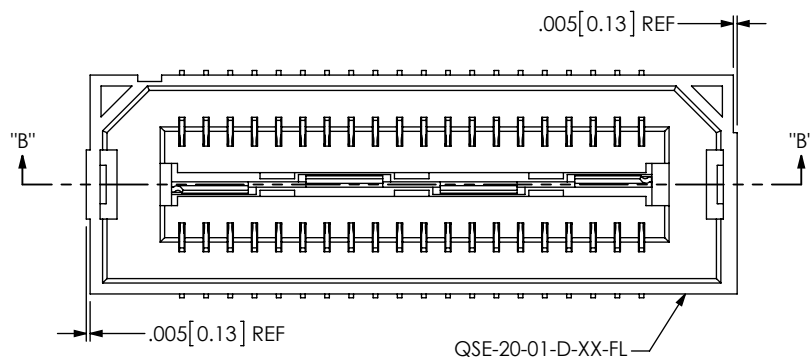
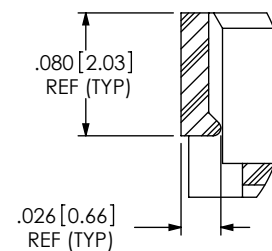
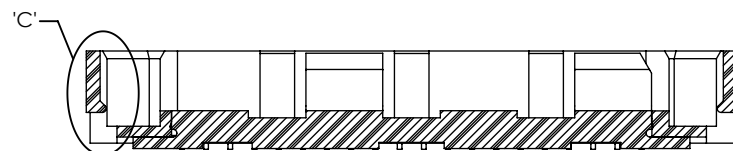


FIG 5  
-FL: FRICTION LOCKS  
(QSE-020-01-XXX-D-FL SHOWN)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
(NOT AVAILABLE WITH -GP OPTION)



DETAIL 'C'  
SCALE 8 : 1



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

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SHEET SCALE: 2:1

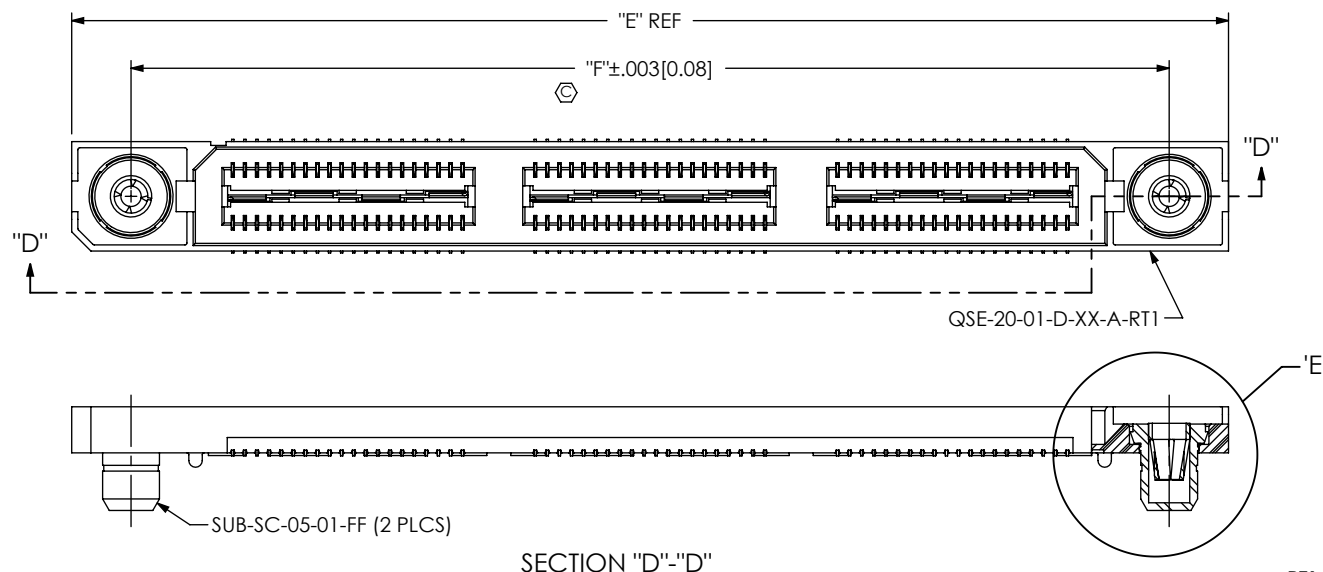
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PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:  
.8mm DOUBLE ROW HS SOCKET ASSEMBLY

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

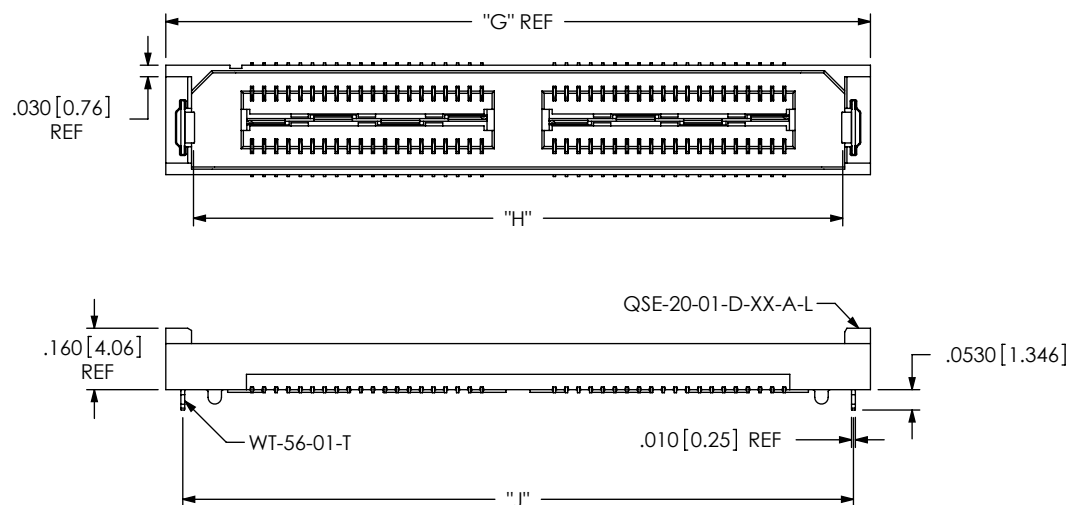
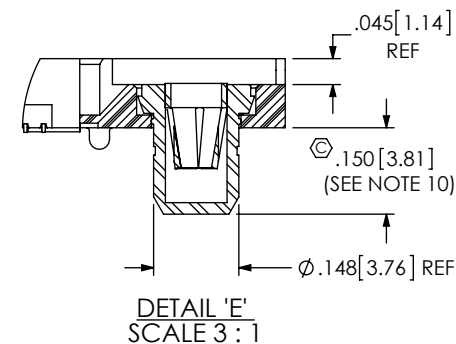
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**FIG 6**  
-RT1: RETENTION OPTION  
(QSE-060-01-XXX-D-A-RT1 SHOWN)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
(MUST USE -A OPTION)  
(NOT AVAILABLE WITH -LC, -GP, OR -FL OPTIONS)  
(NOT AVAILABLE WITH -100 POS)

| TABLE 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           |

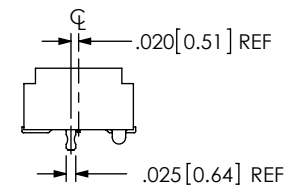
(\* = SEE NOTE 17)



**FIG 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)

| 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)



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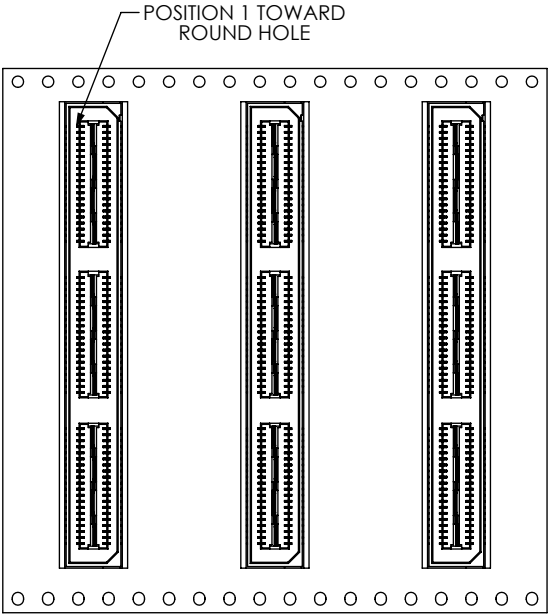
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e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:  
.8mm DOUBLE ROW HS SOCKET ASSEMBLY

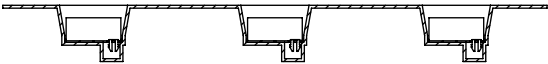
DWG. NO.  
**QSE-XXX-01-XXX-D-XXX**

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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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DESCRIPTION: .8mm DOUBLE ROW HS SOCKET ASSEMBLY

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

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