

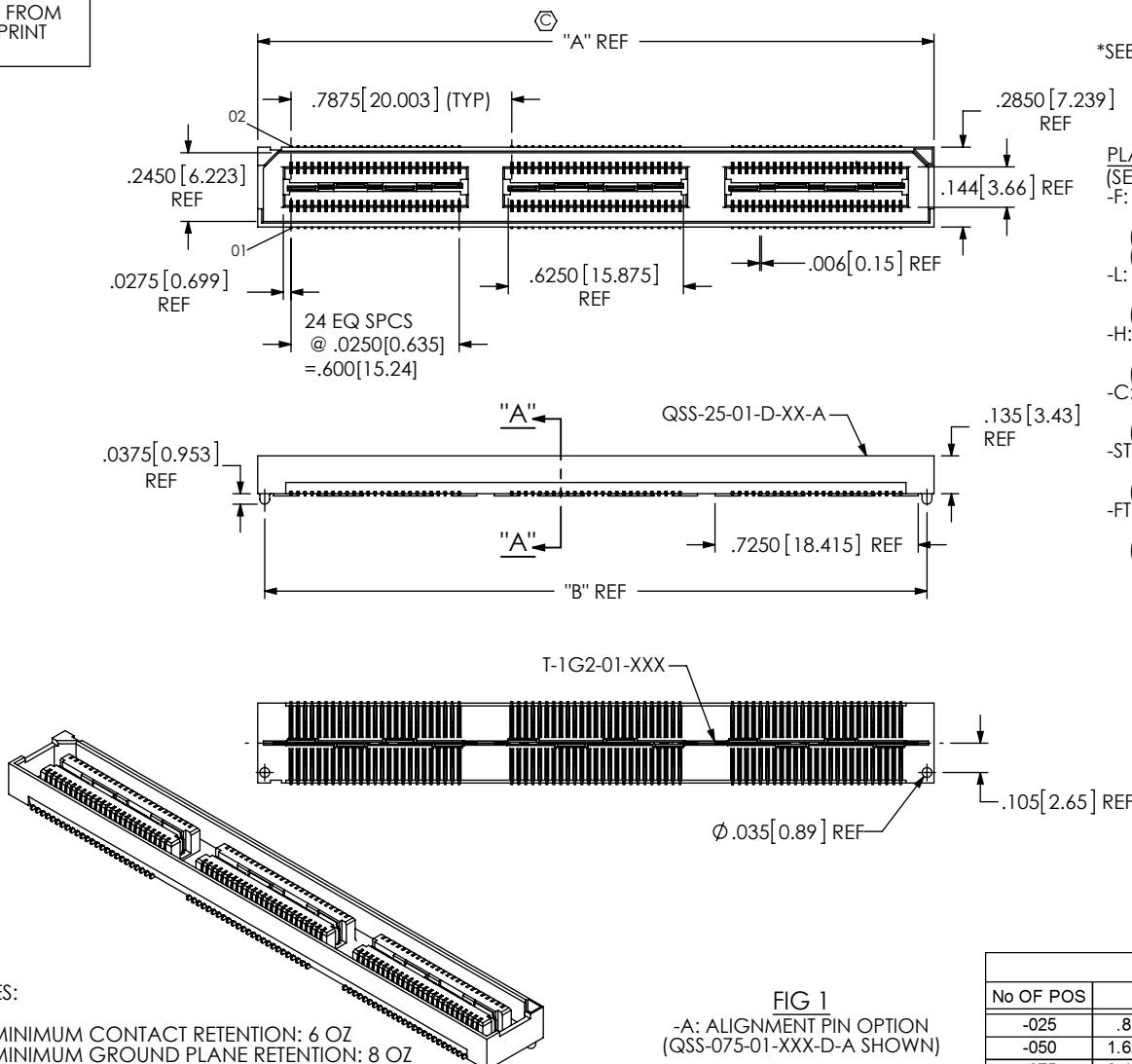
DO NOT
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FIG 1
-A: ALIGNMENT PIN OPTION
(QSS-075-01-XXX-D-A SHOWN)

NOTES:

1. MINIMUM CONTACT RETENTION: 6 OZ
2. MINIMUM GROUND PLANE RETENTION: 8 OZ
3. ◎ REPRESENTS A CRITICAL DIMENSION.
4. PARTS ARE MOLD TO POSITION.
5. NOTE DELETED.
6. MAXIMUM VARIANCE OF .002[0.05].
7. DIMENSION APPLIES TO CONTACTS AND GROUND PLANES, INDEPENDENT OF GROUND PLANES AND CONTACTS RESPECTIVELY.
8. -L PLATING CAN BE SUBSTITUTED FOR -F PLATING.
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 TERMINALS.
10. FOR NEW APPLICATIONS REQUIRING THESE POSITIONS, PLEASE CONTACT SAMTEC INTERCONNECT PROCESSING GROUP.
11. FOR -100 AND -125 POSITIONS USE C-269-11-X, DO NOT SUB C-126-01-X.
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. CHECK ONCE PER BANK ALTERNATING SIDES FOR MULTIPLE BANK PARTS.
14. AVAILABLE FOR EXISTING CUSTOMERS ONLY.

QSS-XXX-XX-XXX-D-XXX

NO OF POSITIONS

-025, -050, -075,
*-100, *-125

*SEE NOTES 10, 11 & 14

LEAD STYLE
-01: .1430[3.632] REF

PLATING SPECIFICATION

(SEE NOTES 8 & 11)

-F: 3μ" FLASH SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE C-126-21-F & T-1G2-01-F) (SEE NOTE 8)

-L: 10μ" LIGHT SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE C-126-21-L & T-1G2-01-L)

-H: 30μ" HEAVY GOLD IN CONTACT AREA, 3μ" GOLD ON TAIL (USE C-126-21-H & T-1G2-01-G)

-C: 50μ" HEAVY GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE C-126-21-C & T-1G2-01-L)

-STL: 30μ" HEAVY SELECTIVE GOLD IN CONTACT AREA, TIN LEAD ON TAIL (USE C-126-21-STL & T-1G2-01-STL)

-FTL: 3μ" FLASH SELECTIVE GOLD IN CONTACT AREA, TIN LEAD ON TAIL (USE C-126-21-FTL & T-1G2-01-FTL)

OPTION

-A: ALIGNMENT PINS
(USE QSS-25-XX-D-XX-A)
(NOT AVAILABLE WITH -LC)-LC: LOCKING CLIPS (SEE NOTE 12)
(USE LC-08-TM-01, SEE FIG 2, SHT 2)

(NOT AVAILABLE WITH -A)

-K: POLYIMIDE FILM PAD
(USE K-DOT-325-.450-.005)
(SEE FIG 3, SHT 2)-TR: TAPE & REEL (75 POS MAX)
(50 POS MAX FOR -GP)
(USE QSS-25-01-D-XX-X-GP)-GP: GUIDE POSTS
(USE QSS-25-01-D-XX-X-GP)
(SEE FIG 4, SHT 3)

(NOT AVAILABLE WITH -LS2)

-LS2: LOCKING SCREW
(USE QSS-25-01-D-XX-LS2)
(SEE FIG 5, SHT 3)
(NOT AVAILABLE WITH -GP)
(FOR MATING WITH QTS...RA...LS2)

ROW SPECIFICATION

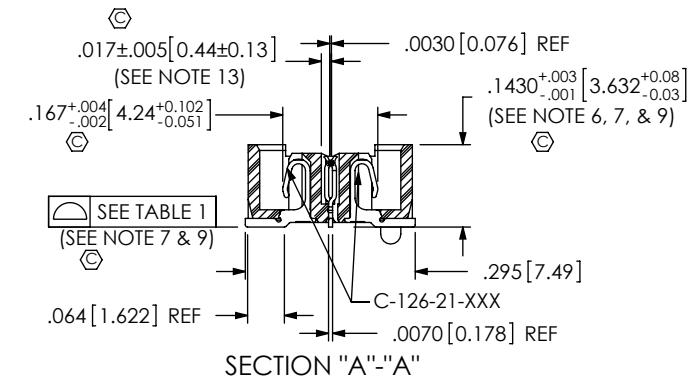
-D: DOUBLE (USE QSS-25-XX-D-XX)
No OF BANKS

TABLE 2		
No OF POS	"A"	"B"
-025	.838 [21.27]	.788 [20.00]
-050	1.625 [41.28]	1.575 [40.01]
-075	2.413 [61.28]	2.363 [60.01]
*-100	3.200 [81.28]	3.150 [80.01]
*-125	3.988 [101.28]	3.938 [100.01]

* = SEE NOTES 10, 11 & 14

TABLE 1	
No OF POSITIONS	COPLANARITY (INCLUDING GND PLANE)
-025 THRU -050	.0040[.102]
-075, *-100, *-125	.0060[.152]

* = SEE NOTES 10, 11 & 14

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES[MM]
TOLERANCES ARE:
DECIMALS ANGLES
.XX: ±.01[.3]
.XXX: ±.005[.13]
.XXXX: ±.0020.051]

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

SHEET SCALE: 1:5:1

F:\DWG\SW\Exisprod\Assembly\Plt635mm\QSS-XXX-XX-XXX-D-XXX-ASM.SLDDRW

DESCRIPTION: .635mm DOUBLE ROW HS SOCKET ASSEMBLY
DWG. NO.
QSS-XXX-XX-XXX-D-XXX
BY: DEAN P 6/28/1999 SHEET 1 OF 3

samtec

520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047

e-Mail: info@SAMTEC.com code 55322



FIG 2
-LC: LOCKING CLIP OPTION
(QSS-075-01-XXX-D-LC SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

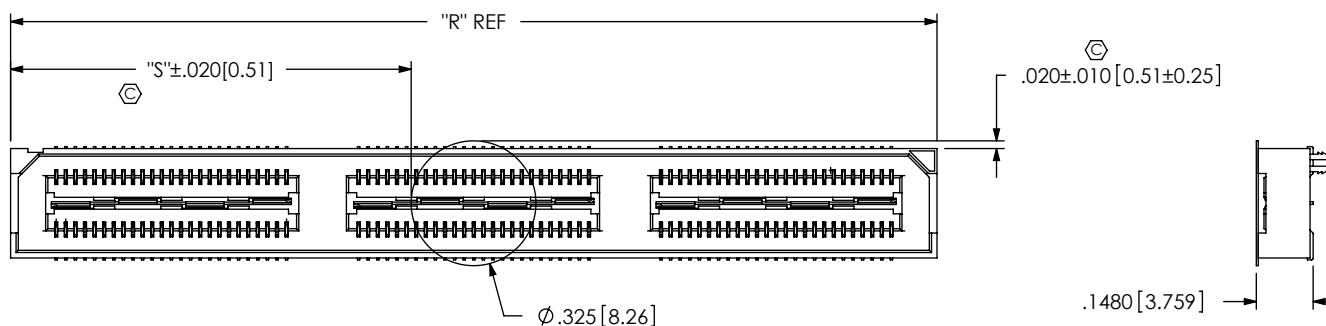


FIG 3
-K: POLYIMIDE FILM PAD
(USE K-DOT-.325-.450-.005)

No OF POS	"R"			"S"		
	-LC, -A	-GP	-LS2	-LC, -A	-GP	-LS2
-025	.838 [21.27]	1.217 [30.90]	1.338 [33.97]	.256 [6.51]	.446 [11.32]	.506 [12.86]
-050	1.625 [41.28]	2.004 [50.90]	2.125 [53.98]	.650 [16.51]	.840 [21.32]	.900 [22.86]
-075	2.413 [61.28]	2.792 [70.90]	2.913 [73.98]	1.044 [26.51]	1.233 [31.32]	1.294 [32.86]
*-100	3.200 [81.28]	3.579 [90.91]	3.700 [93.98]	1.438 [36.51]	1.627 [41.33]	1.688 [42.86]
*-125	3.988 [101.28]	4.367 [110.91]	4.488 [113.98]	1.831 [46.51]	2.021 [51.33]	2.081 [52.86]

* = SEE NOTES 10, 11 & 14

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

DESCRIPTION: .635mm DOUBLE ROW HS SOCKET ASSEMBLY

DWG. NO. QSS-XXX-XX-XXX-D-XXX

BY: DEAN P 6/28/1999 SHEET 2 OF 3

REVISION AS

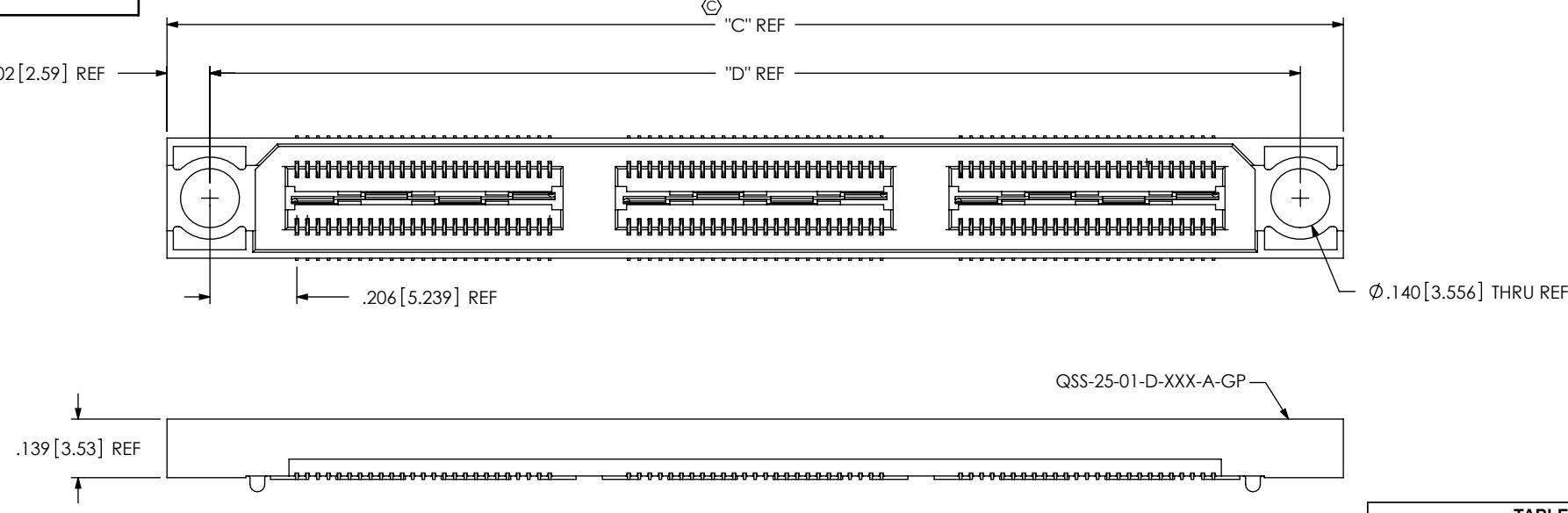


FIG 4
 -GP: GUIDE POST OPTION
 (QSS-075-01-XXX-D-GP SHOWN)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
 (50 POS MAX FOR TAPE & REEL OFFERING)

TABLE 4		
POS	"C"	"D"
-025	1.217 [30.90]	1.013 [25.72]
-050	2.004 [50.90]	1.800 [45.72]
-075	2.792 [70.90]	2.588 [65.72]
*-100	3.579 [90.91]	3.375 [85.73]
*-125	4.367 [110.91]	4.163 [105.73]

* = SEE NOTES 10, 11 & 14

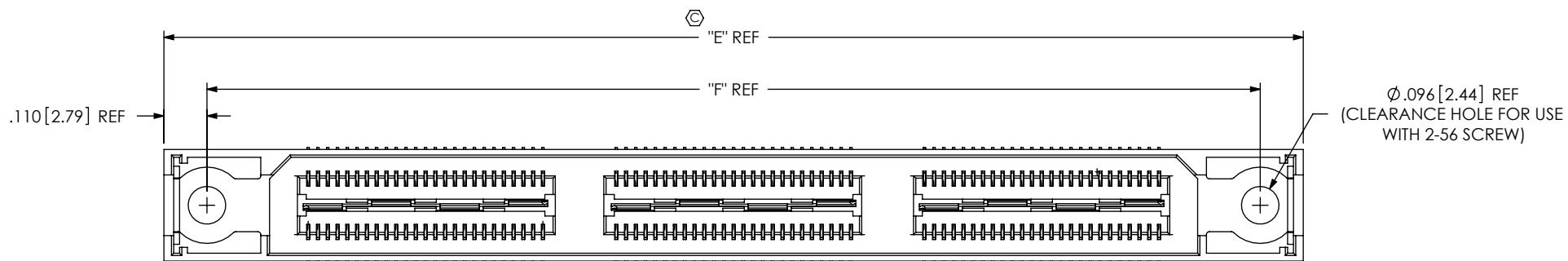


FIG 5
 -LS2: LOCKING SCREW OPTION
 (QSS-075-01-XXX-D-LS2 SHOWN)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
 (NOT AVAILABLE WITH -GP OPTION)

TABLE 5		
POS	"E"	"F"
-025	1.338 [33.97]	1.118 [28.38]
-050	2.125 [53.98]	1.905 [48.39]
-075	2.913 [73.98]	2.693 [68.39]
*-100	3.700 [93.98]	3.480 [88.39]
*-125	4.488 [113.98]	4.268 [108.39]

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 BY: DEAN P 6/28/1999 SHEET 3 OF 3