DO NOT SCALE FROM THIS PRINT

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]

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)
-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

"A" REF

.7875[20.003] (TYP)

.2850[7.239] REF

.2450[6.223] REF

.144[3.66] REF

.006[0.15] REF

.0275[0.699] REF

.6250[15.875] REF

24 EQ SPCS @ .0250[0.635] =.600[15.24]

.0375[0.953] REF

"A"

QSS-25-01-D-XX-A

.135[3.43] REF

"A"

.7250[18.415] REF

"B" REF

T-1G2-01-XXX

.105[2.65] REF

Ø.035[0.89] REF

FIG 1
-A: ALIGNMENT PIN OPTION
(QSS-075-01-XXX-D-A SHOWN)

.017±.005[0.44±0.13] (SEE NOTE 13)

.0030[0.076] REF

.1430 +.003 −.001 [3.632 +0.08 −0.03] (SEE NOTE 6, 7, & 9)

.167 +.004 −.002 [4.24 +0.102 −0.051]

SEE TABLE 1 (SEE NOTE 7 & 9)

.295[7.49]

.064[1.622] REF

C-126-21-XXX

.0070[0.178] REF

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

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]

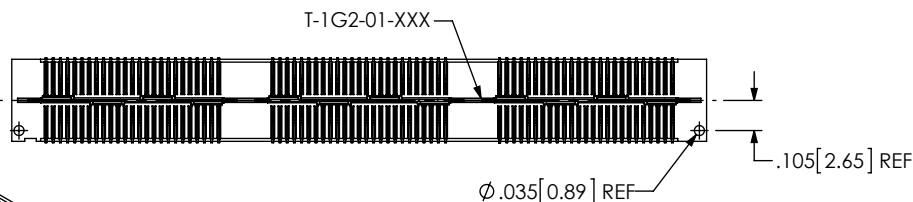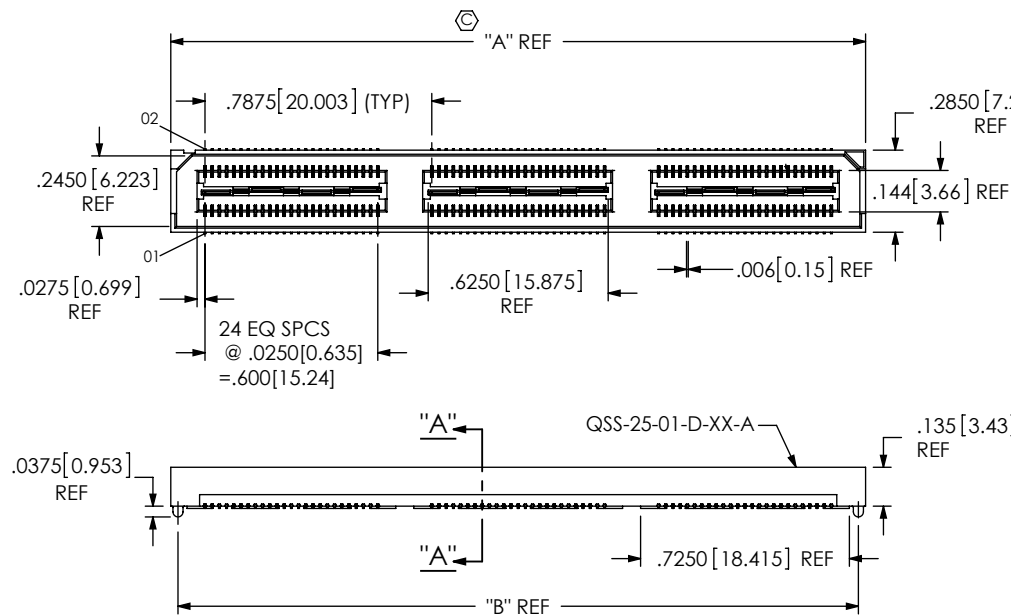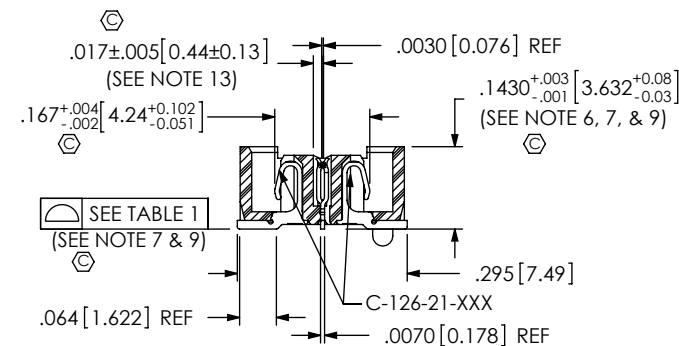* = SEE NOTES 10, 11 & 14

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.

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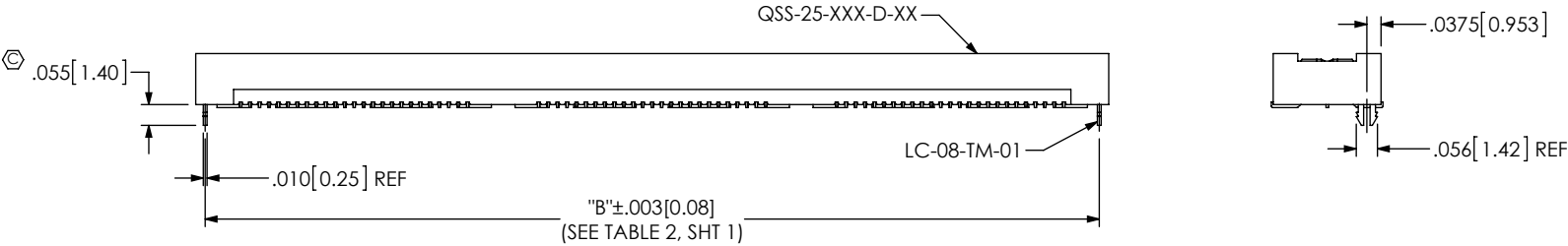PHONE: 812-944-6733   FAX: 812-948-5047
e-Mail info@SAMTEC.com   code 55322

MATERIAL: DO NOT SCALE DRAWING   SHEET SCALE: 1.5:1
INSULATOR: LCP, UL94V-0; COLOR: BLACK
CONTACT: PHOS BRONZE
GROUND PLANE: PHOS BRONZE

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

F:\DWG\SW\Exisprod\Assembly\Pt635mm\QSS-XXX-XX-XXX-D-XXX-ASM.SLDDRW

QSS-25-XXX-D-XX

.0375[0.953]

.055[1.40]

.056[1.42] REF

LC-08-TM-01

.010[0.25] REF

"B"±.003[0.08]
(SEE TABLE 2, SHT 1)

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

"R" REF

"S"±.020[0.51]

.020±.010[0.51±0.25]

Ø.325[8.26]

.1480[3.759]
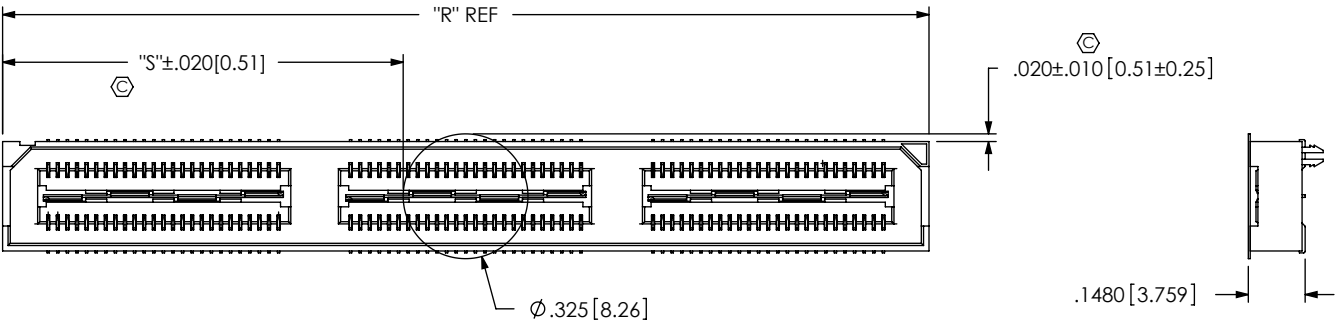
FIG 3
-K: POLYIMIDE FILM PAD
(USE K-DOT-.325-.450-.005)

TABLE 3						
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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e-Mail info@SAMTEC.com   code 55322

DESCRIPTION:
.635mm DOUBLE ROW HS SOCKET ASSEMBLY

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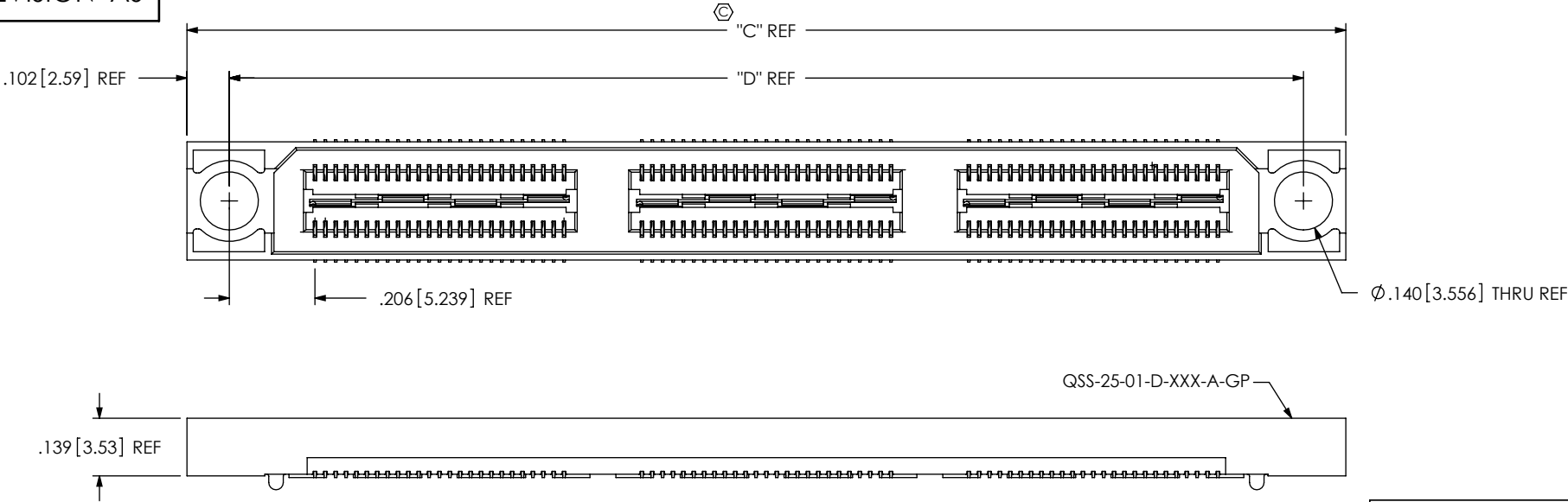QSS-XXX-XX-XXX-D-XXX

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

REVISION AS

"C" REF

"D" REF

.102 [2.59] REF

.206 [5.239] REF

Ø.140 [3.556] THRU REF

.139 [3.53] REF

QSS-25-01-D-XXX-A-GP

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		

"E" REF

"F" REF

.110 [2.79] REF

Ø.096 [2.44] REF
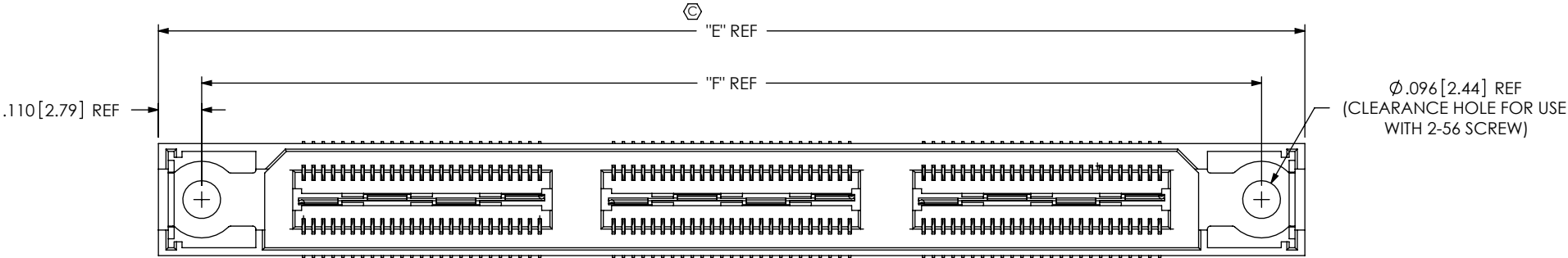(CLEARANCE HOLE FOR USE
WITH 2-56 SCREW)

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]
* = SEE NOTES 10, 11 & 14		

DO NOT SCALE DRAWING

SHEET SCALE: 2.5:1

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DESCRIPTION:
.635mm DOUBLE ROW HS SOCKET ASSEMBLY

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

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

F:\DWG\SW\Exisprod\Assembly\Pt635mm\QSS-XXX-XX-XXX-D-XXX-ASM.SLDDRW