

DO NOT SCALE FROM THIS PRINT

TABLE 2		
No. OF POS	"C"	"D"
-016	.838 [21.27]	.788 [20.00]
-032	1.625 [41.28]	1.575 [40.01]
-048	2.413 [61.28]	2.363 [60.01]
-064	3.200 [81.28]	3.150 [80.01]
-080	3.988 [101.28]	3.938 [100.01]

ASO ONLY (APPLICATION SPECIFIC ORDER)

TABLE 1	
No OF POSITIONS	COPLANARITY (INCLUDES GND PLANE)
-016 THRU -032	.004[0.10]
-048, -064, -080	.006[0.15]

QSS-XXX-XX-XXX-D-DP-XXX-X-XX

No OF POSITIONS

-016, -032, -048, *-.064, *-.080 (PER ROW)

* SEE NOTES 11 & 13

LEAD STYLE

-01: .1430[3.632]

PLATING SPECIFICATION

(SEE NOTES 7 & 9)

-F: 3µ" FLASH SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE C-126-21-F & T-1G2-01-F) (SEE NOTE 7)

-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)

-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)

PACKAGING

BLANK: TRAY (SEE NOTES 14 & 15)
-TR: TAPE & REEL (SEE NOTES 15 & 16)
-FR: FULL REEL QTY TAPE & REEL (SEE NOTES 15 & 16)
(-XR FOR 48 POS MAX)
(32 POS MAX FOR -GP OPTION)

PICK AND PLACE OPTION

-K: POLYIMIDE FILM PAD (USE K-850-650) (SEE FIG 3, SHT 2)

OPTION

- A: ALIGNMENT PINS (USE QSS-25-01-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)
- GP: GUIDE POSTS (SEE FIG 4, SHT 3) (USE QSS-25-01-D-XX-X-GP) (NOT AVAILABLE WITH -LS2)
- LS2: LOCKING SCREW (SEE FIG 5, SHT 3) (USE QSS-25-01-D-XX-LS2) (NOT AVAILABLE WITH -GP) (FOR MATING WITH QTS-...-RA..LS2)

DIFFERENTIAL PAIRS

ROW SPECIFICATION

-D: DOUBLE (USE QSS-25-XX-D-XX)

No OF BANKS

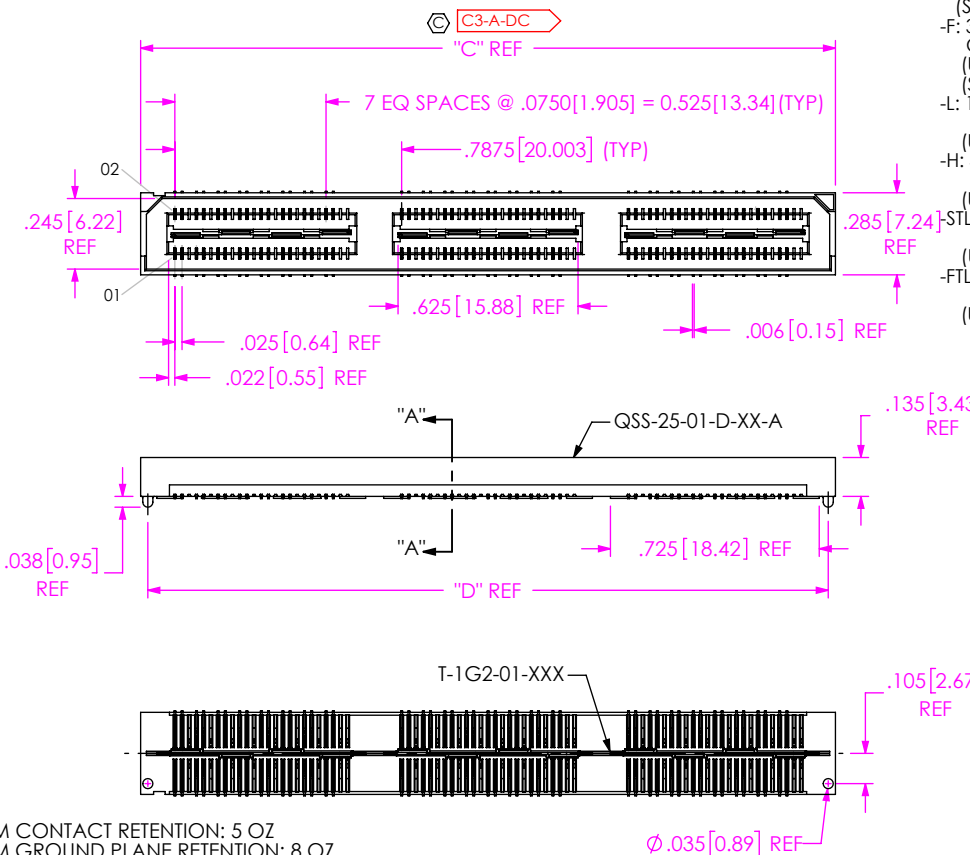
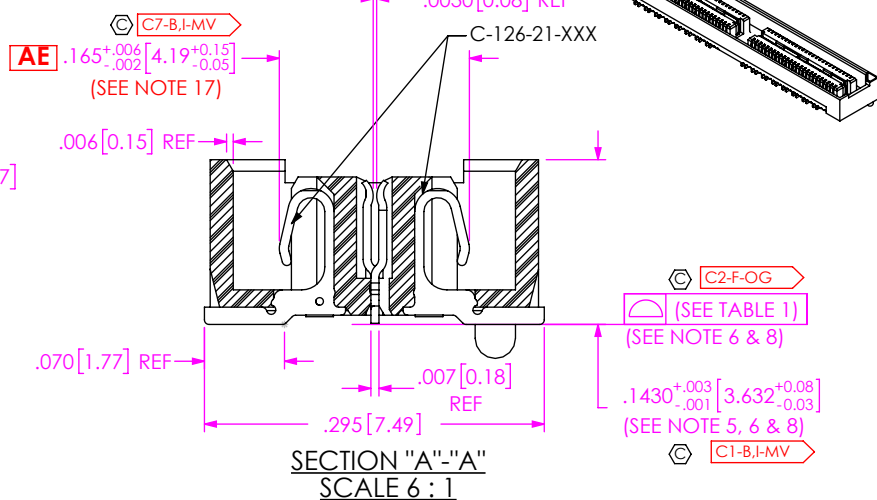


FIG 1

-A: ALIGNMENT PIN OPTION (QSS-048-01-XXX-D-DP-A SHOWN)



SECTION "A"- "A" SCALE 6: 1

NOTES:

1. MINIMUM CONTACT RETENTION: 5 OZ
2. MINIMUM GROUND PLANE RETENTION: 8 OZ
3. Ⓢ REPRESENTS A CRITICAL DIMENSION.
4. PARTS ARE MOLD TO POSITION.
5. MAX VARIANCE: .002[0.05].
6. DIMENSION APPLIES TO CONTACTS AND GROUND PLANES, INDEPENDENT OF EACH OTHER.
7. -L PLATING CAN BE SUBSTITUTED FOR -F PLATING.
8. GROUND PLANE PRESS HEIGHT MUST BE .003[.08] LESS THAN THE MAXIMUM HEIGHT OR .001[0.03] GREATER THAN THE MINIMUM HEIGHT OF THE SIGNAL PIN.
9. MAY SUBSTITUTE C-126-01-XXX FOR C-126-21-XXX.
10. NOTE DELETED.
11. FOR -064 AND -080 POSITIONS USE C-269-11-XXX. DO NOT SUB C-126-01-XXX
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. AVAILABLE FOR EXISTING CUSTOMERS ONLY.
14. TRAYS ARE STANDARD PACKAGING.
15. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
16. ATTACH LABEL -4x2 TO EACH REEL.
17. ANY CHANGES SHOULD ALSO BE APPLIED TO QSH, QSE, QSS, BSH, BSE, AND BSS.

AE

CPC THIS SHEET
C1, C2, C3, C7

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS ANGLES
.XX: ±.01[.3] 2°
.XXX: ±.005[.13]
.XXXX: ±.0020[.05]

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

F:\DWG\MISC\Mktg\QSS-XXX-XX-XXX-D-DP-XXX-X-XX-MKT.slddrw

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: .635mm DIFFERENTIAL PAIRS HS SOCKET ASSEMBLY
DWG. NO. QSS-XXX-XX-XXX-D-DP-XXX-X-XX
BY: KEVIN B 07/10/2000 SHEET 1 OF 3

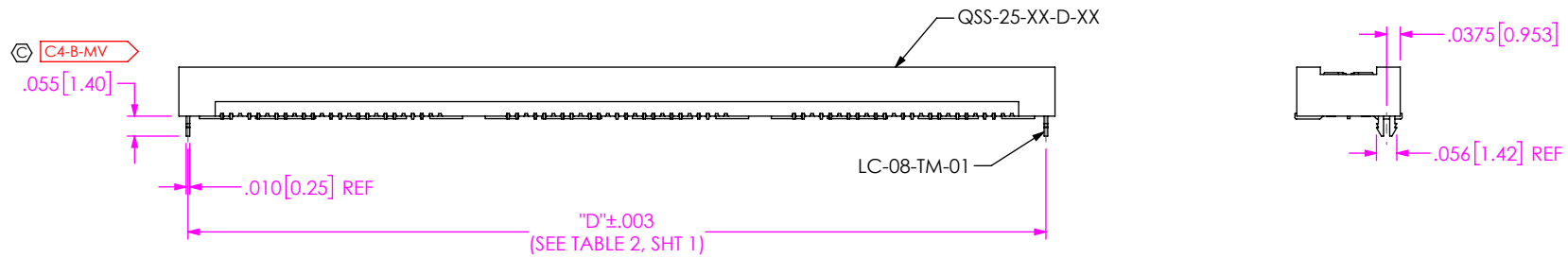


FIG 2
 -LC: LOCKING CLIP OPTION
 (QSS-048-01-XXX-D-DP-LC SHOWN)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

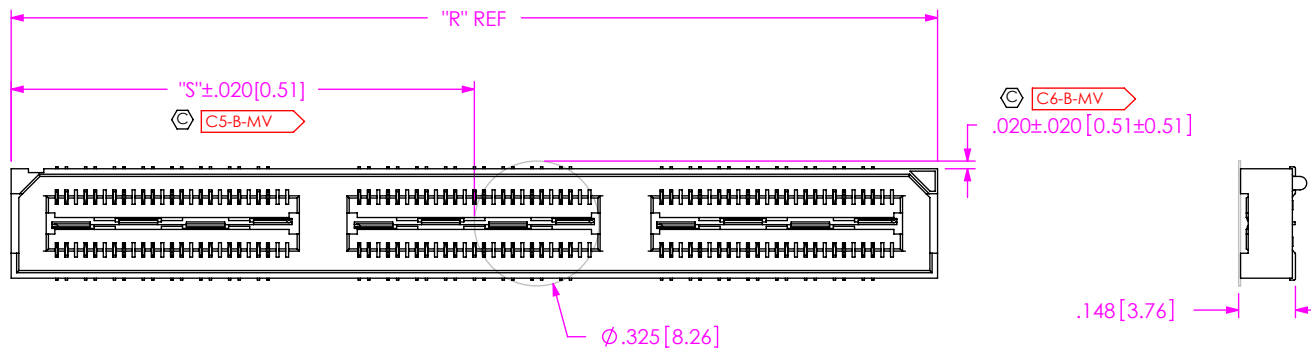


FIG 3
 -K: POLYIMIDE FILM PAD
 (USE K-850-650)

TABLE 3

No OF POS	"R"			"S"		
	-LC, -A	-GP	-LS2	-LC, -A	-GP	-LS2
-016	.838 [21.27]	1.217 [30.90]	1.338 [33.97]	.256 [6.51]	.446 [11.32]	.506 [12.86]
-032	1.625 [41.28]	2.004 [50.90]	2.125 [53.98]	.650 [16.51]	.840 [21.32]	.900 [22.86]
-048	2.413 [61.28]	2.792 [70.90]	2.913 [73.98]	1.044 [26.51]	1.233 [31.32]	1.294 [32.86]
-064	3.200 [81.28]	3.579 [90.91]	3.700 [93.98]	1.438 [36.51]	1.627 [41.33]	1.688 [42.86]
-080	3.988 [101.28]	4.367 [110.91]	4.488 [113.98]	1.831 [46.51]	2.021 [51.33]	2.081 [52.86]

CPC
 THIS SHEET

C4, C5, C6

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 SHEET SCALE: 2:1



520 PARK EAST BLVD, NEW ALBANY, IN 47150
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 e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
 .635mm DIFFERENTIAL PAIRS HS SOCKET ASSEMBLY

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

BY: KEVIN B 07/10/2000 SHEET 2 OF 3

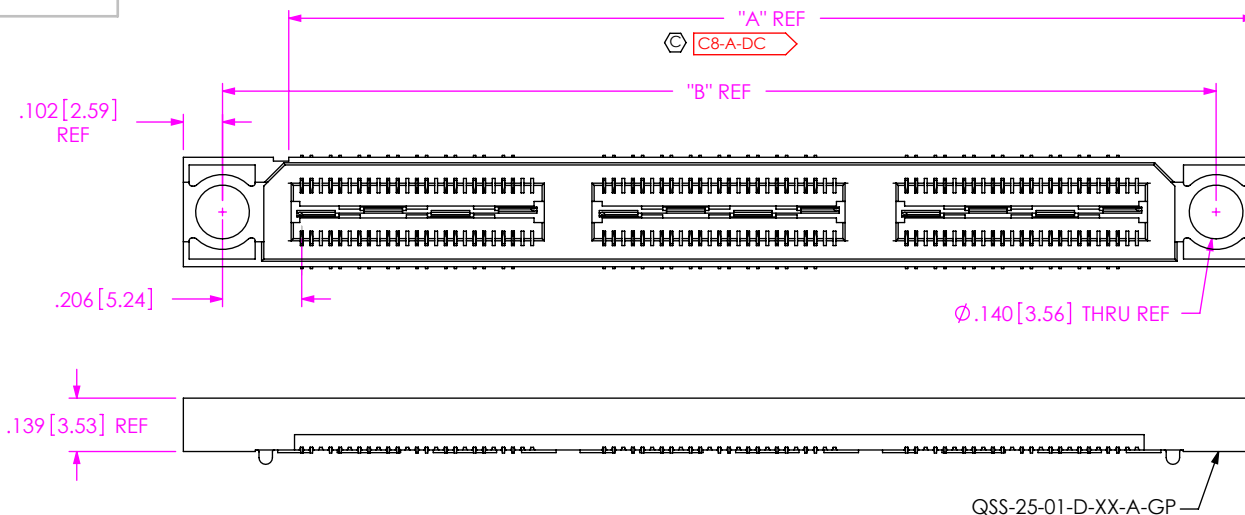


FIG 4
 -GP: GUIDE POST OPTION
 (QSS-048-01-XXX-D-DP-GP SHOWN)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
 (32 POS MAX FOR TAPE & REEL OFFERING)

QSS-25-01-D-XX-A-GP

POSITIONS	"A"	"B"
-016	1.217[30.90]	1.013[25.72]
-032	2.004[50.90]	1.800[45.72]
-048	2.792[70.90]	2.588[65.72]
-064	3.580[90.91]	3.375[85.73]
-080	4.367[110.9]	4.163[105.73]

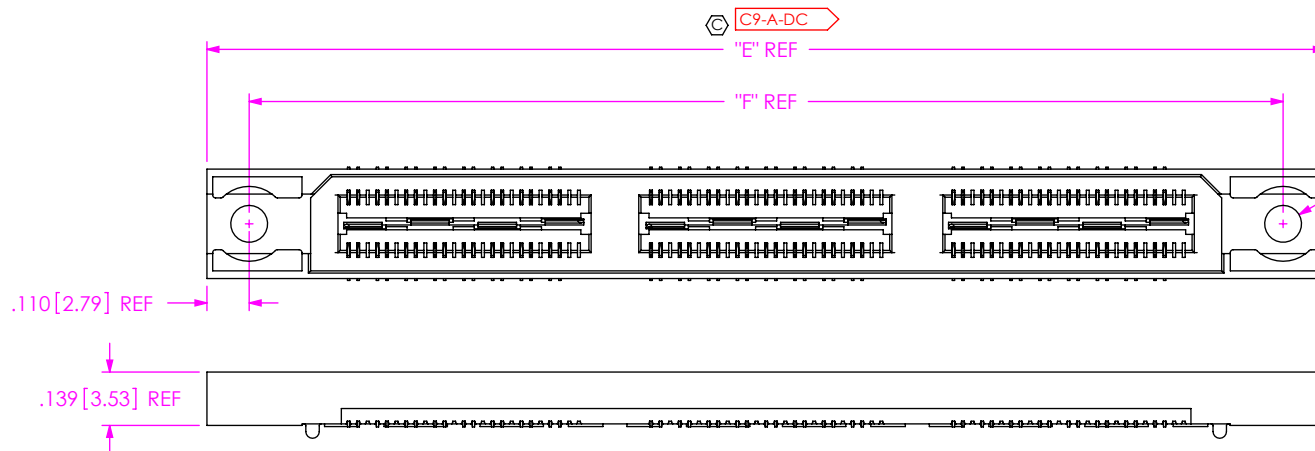


FIG 5
 -LS2: LOCKING SCREW OPTION
 (QSS-048-01-XXX-D-DP-LS2 SHOWN)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
 (NOT AVAILABLE WITH -GP OPTION)

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

POS	"E"	"F"
-016	1.338 [33.97]	1.118 [28.38]
-032	2.125 [53.98]	1.905 [48.39]
-048	2.913 [73.98]	2.693 [68.39]
-064	3.700 [93.98]	3.480 [88.39]
-080	4.488 [113.98]	4.268 [108.39]

ASSEMBLY OPERATION	IN PROCESS INSPECTION
FILL C-126-21-XXX	C1, C3, C7, C8*, C9*
ADD -LC OPTION	C4
ADD -K OPTION	C5, C6
WHERE APPLICABLE *	

CPC
 THIS SHEET

 C8, C9

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