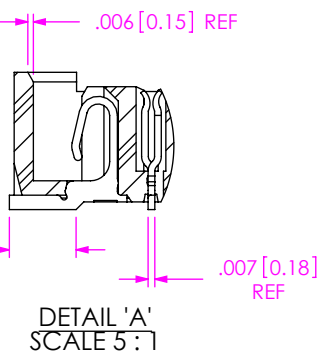
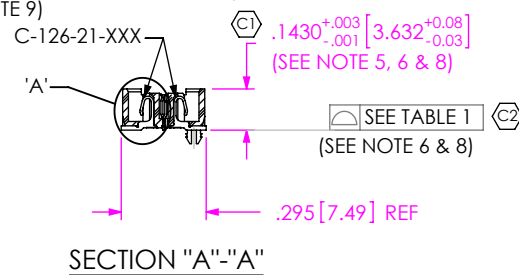
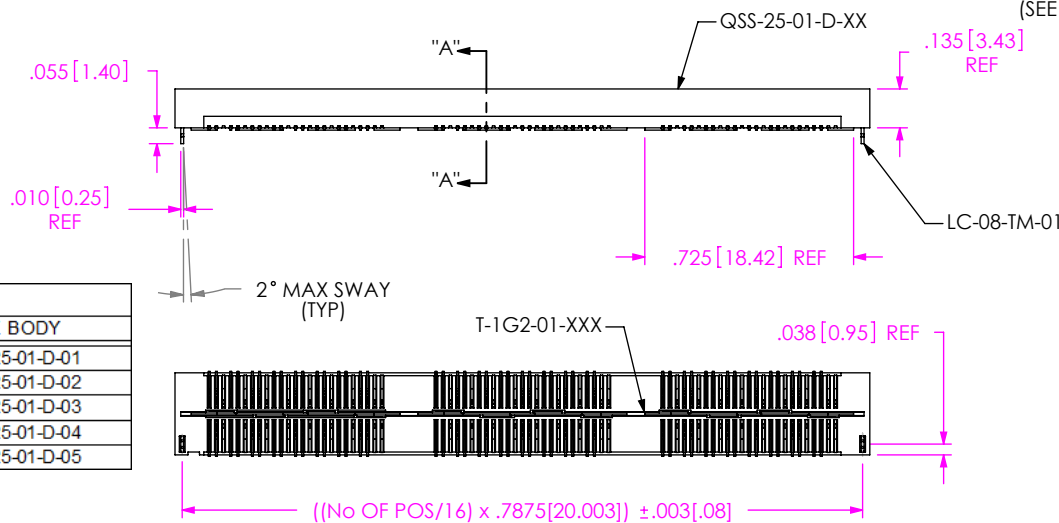
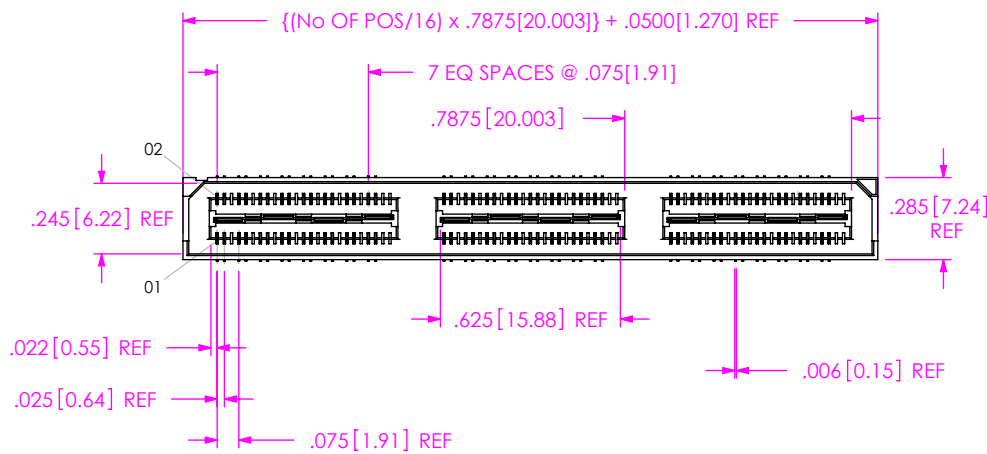


DO NOT SCALE FROM THIS PRINT



- No OF POSITIONS
 - 016, -032, -048,
 - *.064 *-.080
 - (PER ROW)
 - * SEE NOTES 10 & 11
- LEAD STYLE
 - 01: .1430[3.632]
- PLATING SPECIFICATION
 - F: FLASH SELECTIVE GOLD WITH MATTE TIN TAILS (USE C-126-21-F & T-1G2-01-F) (SEE NOTES 7 & 9)
 - L: LIGHT SELECTIVE GOLD WITH MATTE TIN TAILS (USE C-126-21-L & T-1G2-01-L) (SEE NOTE 9)
 - H: HEAVY GOLD (USE C-126-21-H & T-1G2-01-G) (SEE NOTE 9)
 - STL: LIGHT SELECTIVE GOLD WITH TIN LEAD TAILS (USE C-126-21-STL & T-1G2-01-STL) (SEE NOTE 9)
 - FTL: FLASH SELECTIVE GOLD WITH TIN LEAD TAILS (USE C-126-21-FTL & T-1G2-01-FTL) (SEE NOTE 9)

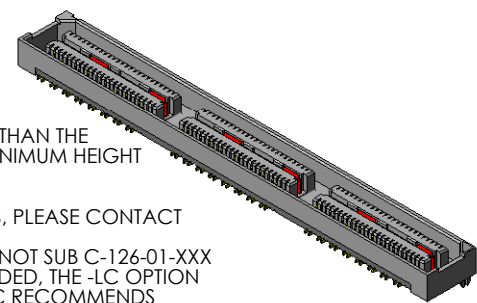
- OPTION
 - A: ALIGNMENT PINS (SEE FIG. 2, SHEET 2) (USE QSS-25-01-D-XX-A)
 - LC: LOCKING CLIPS (SEE FIG. 1) (USE LC-08-TM-01) (SEE NOTE 12)
 - K: POLYIMIDE FILM PAD (SEE FIG. 3, SHEET 2) (USE K-850-650)
 - TR: TAPE & REEL (48 POS MAX) (32 POS MAX FOR -GP OPTION)
 - GP: GUIDE POSTS (SEE FIG. 4, SHEET 2) (USE QSS-25-01-D-XX-X-GP)
 - LS2: LOCKING SCREW (USE QSS-25-01-D-XX-LS2) (SEE FIG. 5, SHEET 3) (FOR MATING WITH QTS-...-RA-LS2)
- DIFFERENTIAL PAIRS

- ROW SPECIFICATION
 - D: DOUBLE (USE QSS-25-01-D-XX) [SEE TABLE 2]

☒ = NOT ENGINEERING APPROVED

TABLE 2	
POSITIONS	USE BODY
-016	QSS-25-01-D-01
-032	QSS-25-01-D-02
-048	QSS-25-01-D-03
-064	QSS-25-01-D-04
-080	QSS-25-01-D-05

FIG. 1
-LC: LOCKING CLIP OPTION SHOWN



- NOTES:
1. MIN CONTACT RETENTION: 5 OZ
 2. MIN GROUND PLANE RETENTION: 8 OZ
 3. © REPRESENTS A CRITICAL DIMENSION.
 4. PARTS ARE MOLD TO POSITION.
 5. MAX VARIANCE: .002[.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[.03] GREATER THAN THE MINIMUM HEIGHT OF THE SIGNAL PIN.
 9. MAY SUBSTITUTE C-126-01-XXX FOR C-126-21-XXX.
 10. FOR NEW APPLICATIONS REQUIRING THESE POSITIONS, PLEASE CONTACT SAMTEC INTERCONNECT PROCESSING GROUP.
 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.

TABLE 1	
No OF POSITIONS	COPLANARITY (INCLUDES GND PLANE)
-016 THRU -032	.004[.10]
-048 THRU -080	.006[.15]

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, COLOR: BLACK, FLAMABILITY RATING: UL94V0
CONTACT: PHOS BRONZE
GROUND PLANE: PHOS BRONZE

F:\DWG\MISC\MKTG\QSS-XXX-XX-XXX-D-DP-XXX-MKT.SLDDRW

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

BY: KEVIN B 07/10/2000 SHEET 1 OF 3

FIG. 2
-A: ALIGNMENT PIN OPTION SHOWN

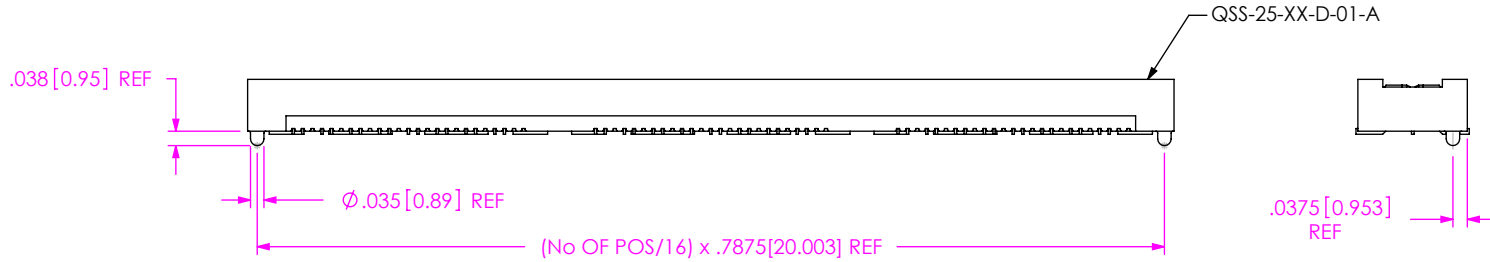
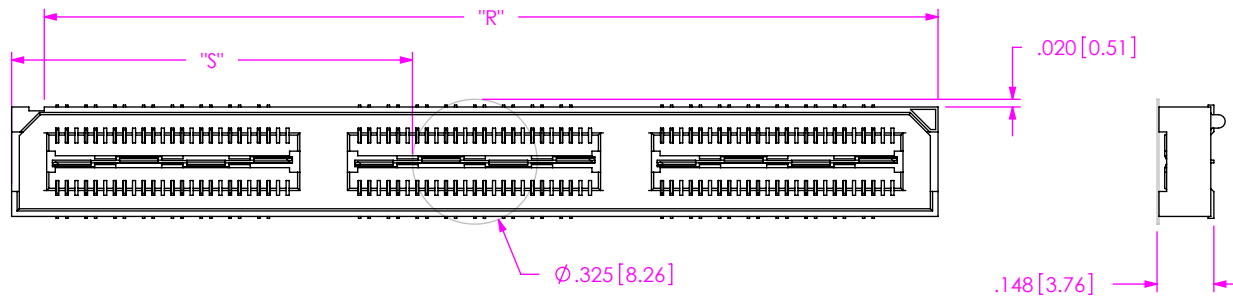


FIG. 3
-K: POLYIMIDE FILM PAD OPTION



NOTE: "R" = ((No OF POS/16) x .7875 [20.003]) + .050 [1.27] REF
 "S" = (("R" - .325 [8.26]) / 2) ± .020 [0.51]

FIG. 4
-GP: GUIDE POST OPTION
(32 POS MAX FOR TAPE & REEL OFFERING)

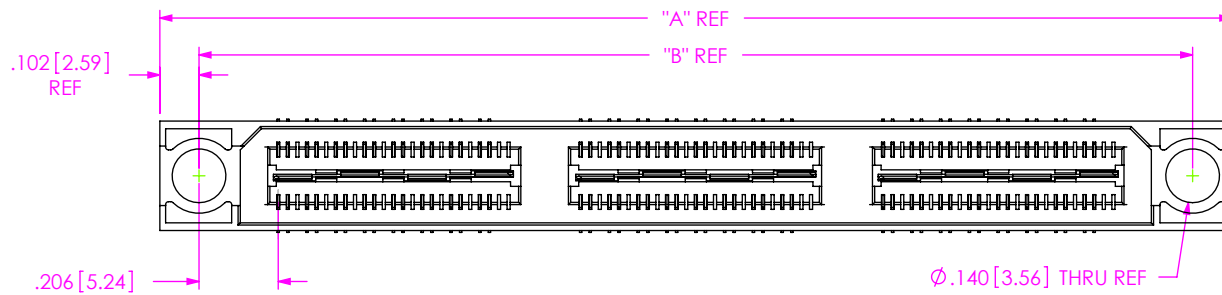
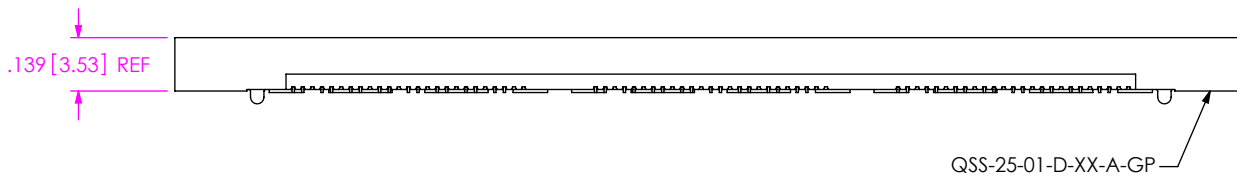


TABLE 3		
POSITIONS	"A" REF	"B" REF
-016	1.2165 [30.899]	1.0125 [25.718]
-032	2.0040 [50.902]	1.8000 [45.720]
-048	2.7915 [70.904]	2.5875 [65.723]
-064	3.5790 [90.907]	3.3750 [85.725]
-080	4.3665 [110.909]	4.1625 [105.728]



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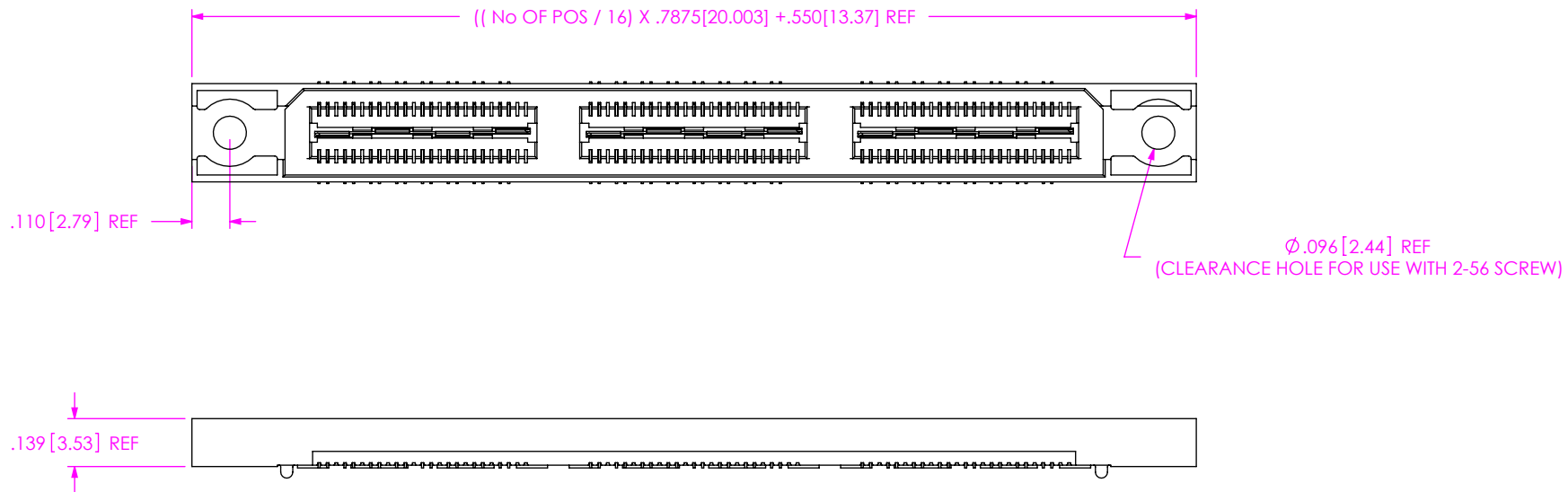


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QSS-XXX-XX-XXX-D-DP-XXX
 BY: KEVIN B 07/10/2000 SHEET 2 OF 3

FIG. 5

-LS2: LOCKING SCREW OPTION
 [DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 1]



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