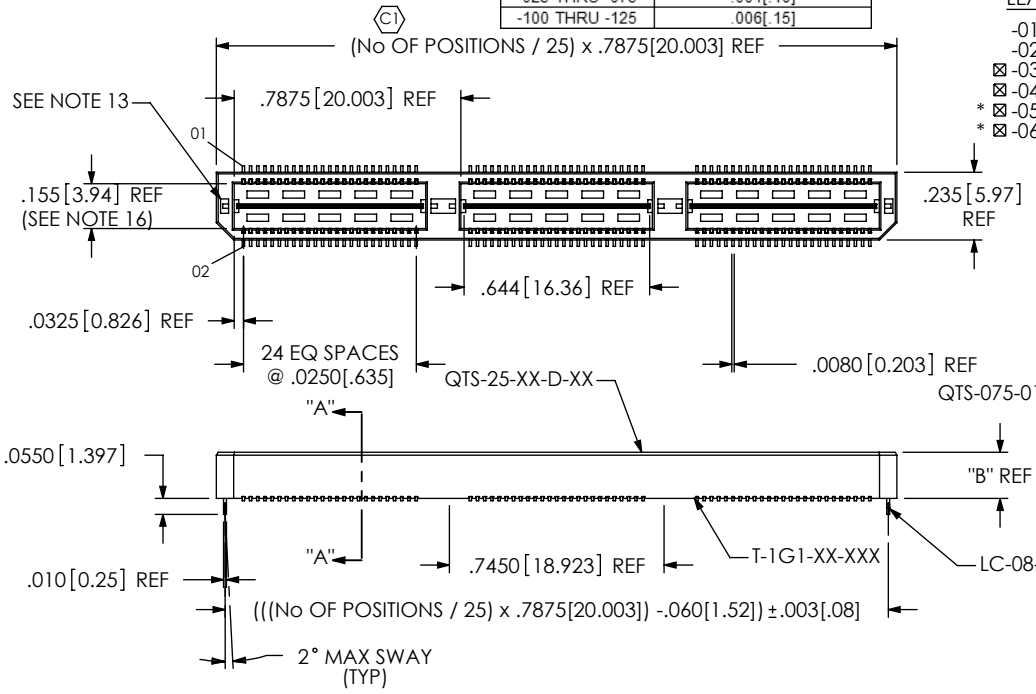


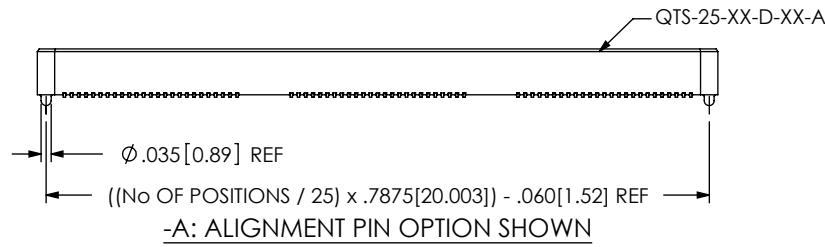
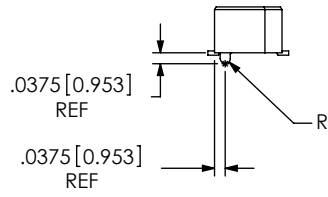
DO NOT SCALE FROM THIS PRINT

TABLE 1						MATED HEIGHT WITH QSS-01
STYLE	"A"	"B"	BODY	GROUND PLANE	TERMINAL	
-01	.1680[4.267]	.1600[4.064]	QTS-25-01-D-XX	T-1G1-01-XXX	T-1S56-01-XXX	.197[5.00] REF
-02	.2861[7.267]	.2781[7.064]	QTS-25-02-D-XX	T-1G1-02-XXX	T-1S56-22-XXX	.315[8.00] REF

TABLE 2	
No OF POSITIONS	COPLANARITY (INCLUDES GND PLANE)
-025 THRU -075	.004[.10]
-100 THRU -125	.006[.15]



-LC: LOCKING CLIP OPTION SHOWN



QTS-XXX-XX-XXX-D-XXX

No OF POSITIONS  
-025, -050, -075,  
\*\* .100, \*\*.125  
(PER ROW)  
\*\* (SEE NOTE 14)

LEAD STYLE

- 01: .1680[4.267]
- 02: .2861[7.264]
- ☒ -03: .4043[10.269]
- ☒ -04: .6001[15.246]
- \* ☒ -05: .7181[18.240]
- \* ☒ -06: .8361[21.237]

OPTION

- LC: LOCKING CLIPS (SEE NOTE 10 AND NOTE 15)  
(USE LC-08-TM-01)
- A: ALIGNMENT PINS (SEE NOTE 10)  
(USE QTS-25-XX-D-XX-A)
- K: POLYIMIDE FILM PAD  
(USE K-DOT-.276-.375-.005, SEE FIG. 2)
- GP: GUIDE POST, SEE FIG. 4  
(AVAILABLE ON STYLE -01 ONLY)
- TR: TAPE & REEL (75 POS MAX)  
(N/A ON STYLE -05 & -06)

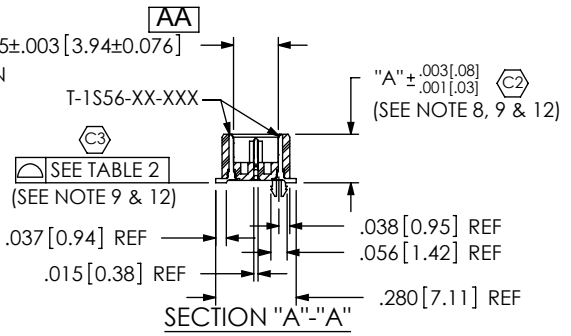
ROW SPECIFICATION

-D: DOUBLE (USE QTS-25-XX-D-XX & QTS-25-XX-D-XX)

PLATING SPECIFICATION  
(SEE TABLE 5)

No OF BANKS

☒ = SEE SHEET 3  
\* = NOT TOOLED



NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. DELETED.
3. DELETED.
4. MINIMUM TERMINAL RETENTION: 6 OZ.
5. MINIMUM GROUND PLANE RETENTION: 1 LB.
6. DELETED.
7. PARTS TO BE MOLDED TO POSITION.
8. MAXIMUM VARIANCE OF .002[.05].
9. DIMENSION APPLIES TO TERMINALS AND GROUND PLANES INDEPENDENT OF THE GROUND PLANE OR TERMINAL RESPECTIVELY.
10. LEAD STYLES -03 AND -05: TOP BODY (QTS) CANNOT HAVE -A OPTION AND -04 AND -06 CAN USE EITHER -A OR -LC BODY.
11. T-1SXX-XX-L CAN BE SUBSTITUTED FOR T-1SXX-XX-F.
12. GROUND PLANE PRESS HEIGHT MUST BE .003[.08] LESS THAN THE MAX HEIGHT OR .001[.03] GREATER THAN THE MINIMUM HEIGHT OF THE TERMINALS.
13. WINDOW NOT PRESENT ON LEAD STYLES -02 THRU -06 HEIGHT PER REV. E OF THE QTS-25-XX-D-XX-X-XX.
14. FOR NEW APPLICATIONS REQUIRING THESE POSITIONS, PLEASE CONTACT SAMTEC INTERCONNECT PROCESSING GROUP.
15. 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.
16. PIN CAN EXTEND PAST WALL .003 MAX.

TABLE 5: PLATING SPECIFICATION						
OPTION	TERMINAL		TERMINAL CALLOUT	GROUND PLANE		GROUND PLANE CALLOUT
	CONTACT AREA	REMAINDER		CONTACT AREA	REMAINDER	
-F	.000003 GOLD	.000150 MIN MATTE TIN	T-1SXX-XX-F	.000003 GOLD	.000150 MIN MATTE TIN	T-1G1-XX-F
-L	.000010 GOLD	.000150 MIN MATTE TIN	T-1SXX-XX-L	.000010 GOLD	.000150 MIN MATTE TIN	T-1G1-XX-L
-H	.000030 GOLD	.000003 GOLD	T-1SXX-XX-H	.000010 GOLD	.000003 GOLD	T-1G1-XX-G
-C	.000050 GOLD	.000150 MIN MATTE TIN	T-1SXX-XX-C	.000010 GOLD	.000150 MIN MATTE TIN	T-1G1-XX-L
-STL	.000030 GOLD	.000100 TIN/LEAD	T-1SXX-XX-STL	.000030 GOLD	.000100 TIN/LEAD	T-1G1-XX-STL
-FTL	.000003 GOLD	.000100 TIN/LEAD	T-1SXX-XX-FTL	.000003 GOLD	.000100 TIN/LEAD	T-1G1-XX-FTL

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE:  
DECIMALS: .XX: ±.01[.3]  
.XXX: ±.005[.13]  
.XXXX: ±.0020[.051]

ANGLES: ± 2°

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1:0.666667

INSULATOR: LCP, COLOR: BLACK  
TERMINAL: PHOS BRONZE  
GROUND PLANE: PHOS BRONZE



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

DESCRIPTION: H.635mm DOUBLE ROW HS TERMINAL ASSEMBLY

DWG. NO. QTS-XXX-XX-XXX-D-XXX

BY: DEAN P 09-14-2010 SHEET 1 OF 3

FIG 2  
 -K: POLYIMIDE FILM PAD  
 (USE K-DOT--276-.375-.005)

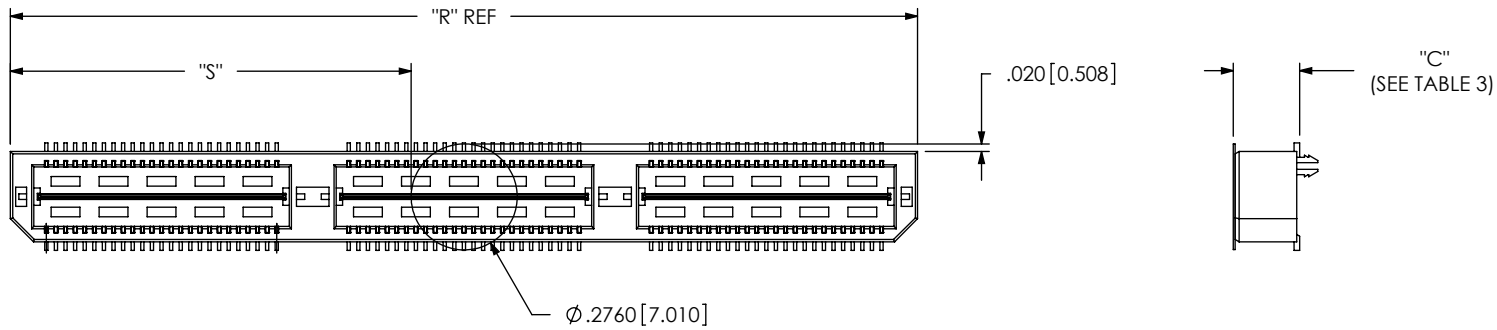
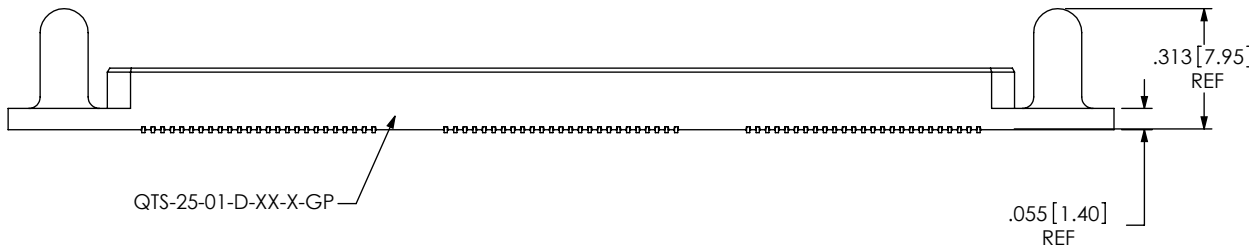
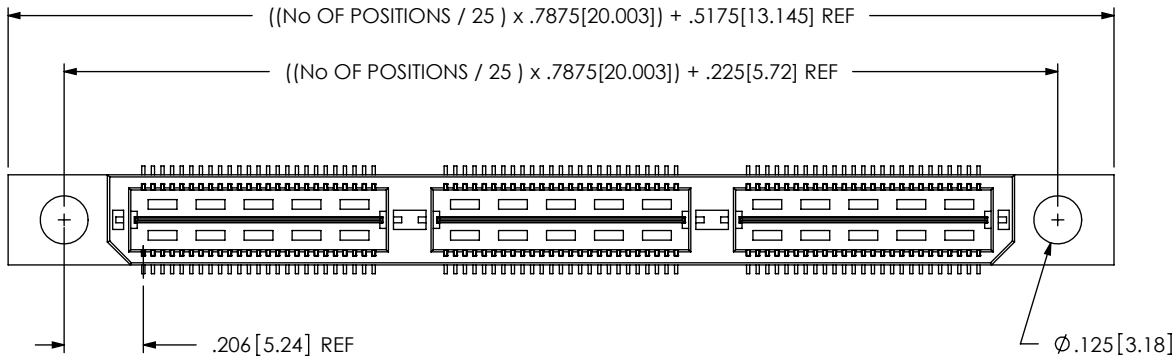


TABLE 3	
STYLE	"C"
-01	.173[4.39]
-02	.291[7.39]
-03	.409[10.39]
-04	.605[15.37]
-05	.723[18.36]
-06	.841[21.36]

NOTE: "R" = (No OF POSITIONS / 25) x .7875[20.003]  
 "S" = (("R" - .276[7.01]) / 2) ±.020[.51]

AA

FIG 4  
 -GP: GUIDE POST OPTION  
 [DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 1]  
 (AVAILABLE ON STYLE -01 ONLY)



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SHEET SCALE: 2:1

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 e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:  
 H.635mm DOUBLE ROW HS TERMINAL ASSEMBLY

DWG. NO. QTS-XXX-XX-XXX-D-XXX

BY: DEAN P 09-14-2010 SHEET 2 OF 3

TABLE 4					MATED HEIGHT WITH QSS-01
STYLE	"A"	GROUND PLANE	TERMINAL	BOTTOM SPACER BODY	
-03	.4043[10.269]	T-1G1-03-XXX	T-1S51-03-XXX	QTSH-25-01-D-XX-X	.433 [11.00] REF
-04	.6001 [15.246]	T-1G1-04-XXX	T-1S51-04-XXX	QTSH-25-01-D-XX-X	.630 [16.00] REF
-05	.7181 [18.240]	T-1G1-05-XXX	T-1S51-05-XXX	QTSH-25-02-D-XX-X	.748 [19.00] REF
-06	.8361 [21.237]	T-1G1-06-XXX	T-1S51-06-XXX	QTSH-25-02-D-XX-X	.866 [22.00] REF

\* = NOT TOOLED

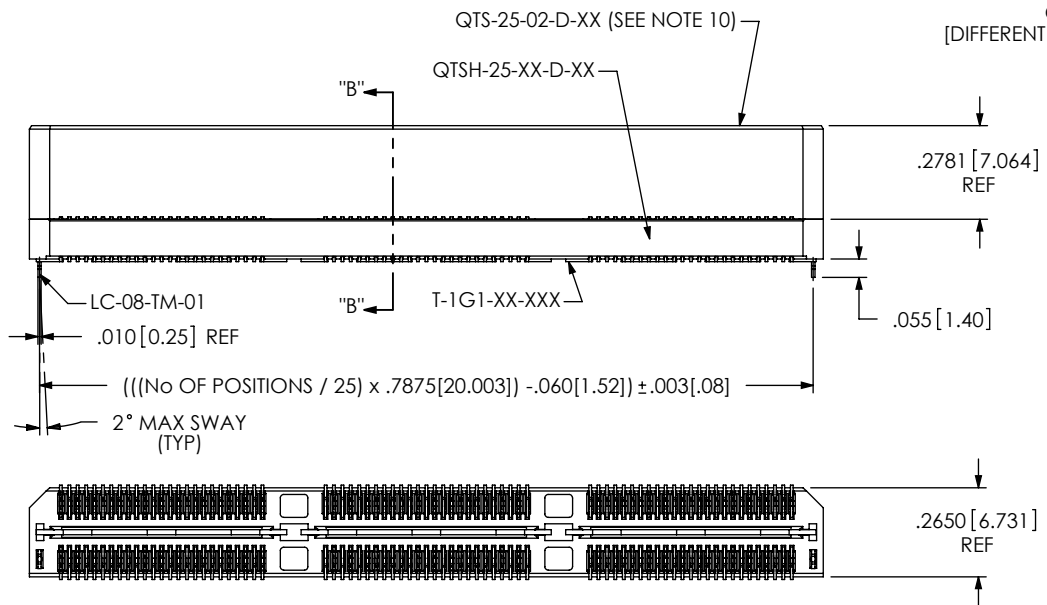
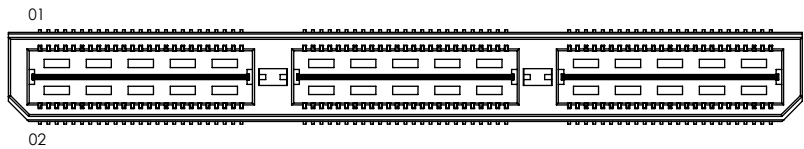
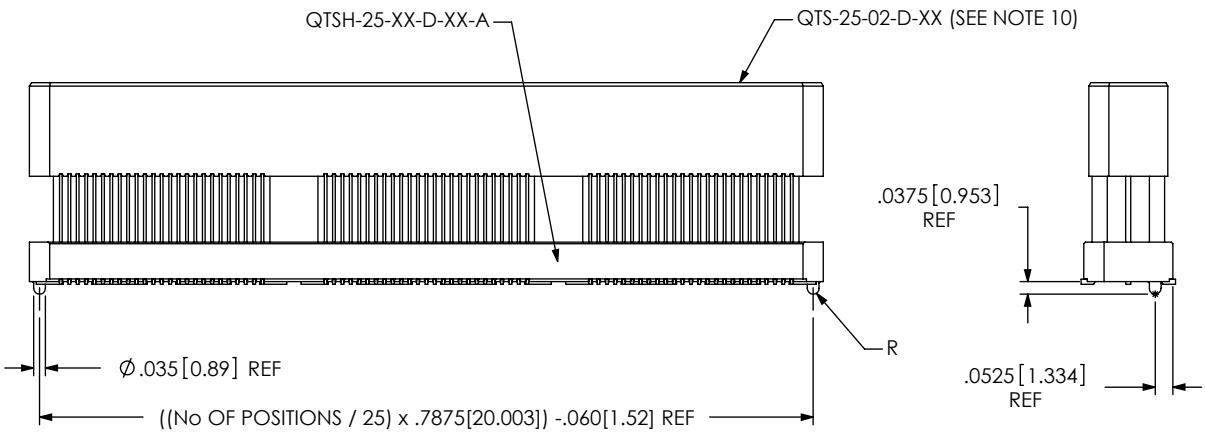
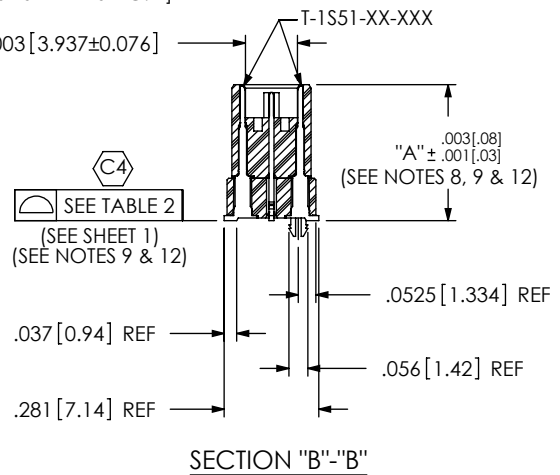


FIG 3

QTS-075-03-XXX-D-LC SHOWN  
[DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 1]

AA



**-A: ALIGNMENT PIN OPTION**  
[DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 3]  
(STYLE -03, -04, -05 & -06)

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

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DO NOT SCALE DRAWING  
SHEET SCALE: 1:75:1

DESCRIPTION:  
**H.635mm DOUBLE ROW HS TERMINAL ASSEMBLY**  
DWG. NO. **QTS-XXX-XX-XXX-D-XXX**  
BY: DEAN P 09-14-2010 SHEET 3 OF 3