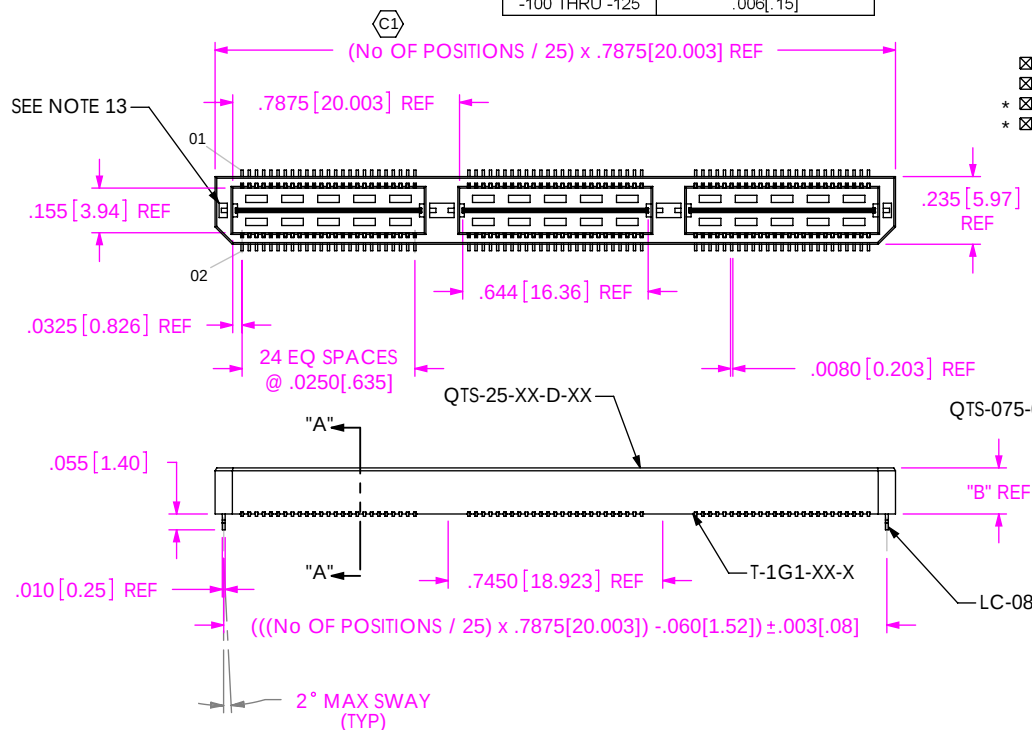


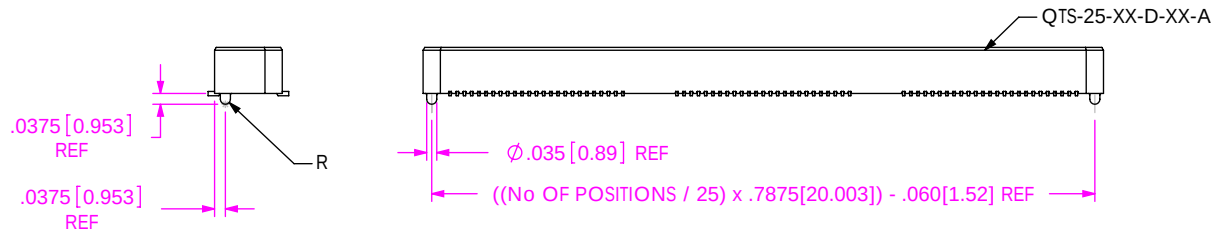
DO NOT  
SCALE FROM  
THIS PRINT

| TABLE 1 |              |              |                |              |             | MATED HEIGHT<br>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-X   | T-1S56-01-X | .197[5.00] REF              |
| -02     | .2861[7.267] | .2781[7.064] | QTS-25-02-D-XX | T-1G1-02-X   | T-1S56-22-X | .315[8.00] REF              |

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



-LC: LOCKING CLIP OPTION SHOWN



-A: ALIGNMENT PIN OPTION SHOWN

## QTS-XXX-XX-X-D-XX

## 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)  
(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)

## No OF BANKS

PLATING SPECIFICATION  
(SEE TABLE 5)

☒ = SEE SHEET 3  
\* = NOT TOOLED

FIG. 1

QTS-075-01-X-D-LC SHOWN

T-1S56-XX-X

SEE TABLE 2  
(SEE NOTE 9 & 12)

.037[0.94] REF  
.015[0.38] REF  
.038[0.95] REF  
.056[1.42] REF  
.280[7.11] REF

## SECTION "A"- "A"

## NOTES:

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

V

TABLE 5: PLATING SPECIFICATION

| OPTION | TERMINAL     |                          | TERMINAL<br>CALLOUT | GROUND PLANE |                          | GROUND<br>PLANE<br>CALLOUT |
|--------|--------------|--------------------------|---------------------|--------------|--------------------------|----------------------------|
|        | CONTACT AREA | REMAINDER                |                     | CONTACT AREA | REMAINDER                |                            |
| -F     | .000003 GOLD | .000150 MIN<br>MATTE TIN | T-1SXX-XX-F         | .000003 GOLD | .000150 MIN MATTE<br>TIN | T-1G1-XX-F                 |
| -L     | .000010 GOLD | .000150 MIN<br>MATTE TIN | T-1SXX-XX-L         | .000010 GOLD | .000150 MIN MATTE<br>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<br>MATTE TIN | T-1SXX-XX-C         | .000010 GOLD | .000150 MIN MATTE<br>TIN | T-1G1-XX-L                 |

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES  
.XX: ±.01[.3]  
.XXX: ±.005[.13]  
.XXXX: ±.0020[.051]

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## MATERIAL:

DO NOT SCALE DRAWING  
INSULATOR: LCP, COLOR: BLACK  
TERMINAL: PHOS BRONZE  
GROUND PLANE: PHOS BRONZE

SHEET SCALE: 1.5:1

**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:

H.635mm DOUBLE ROW HS TERMINAL ASSEMBLY

## DWG. NO.

QTS-XXX-XX-X-D-XX

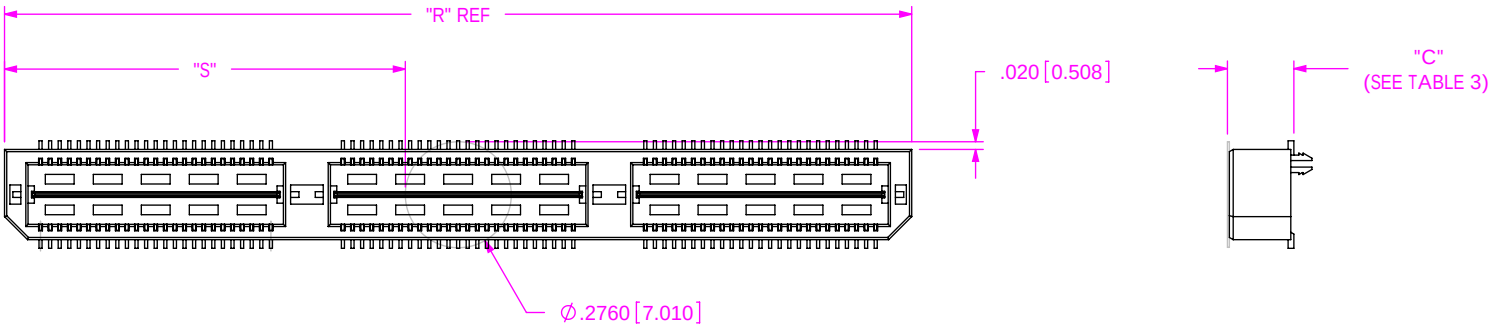
BY: DEAN P

6/28/1999

SHEET 1 OF 3

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

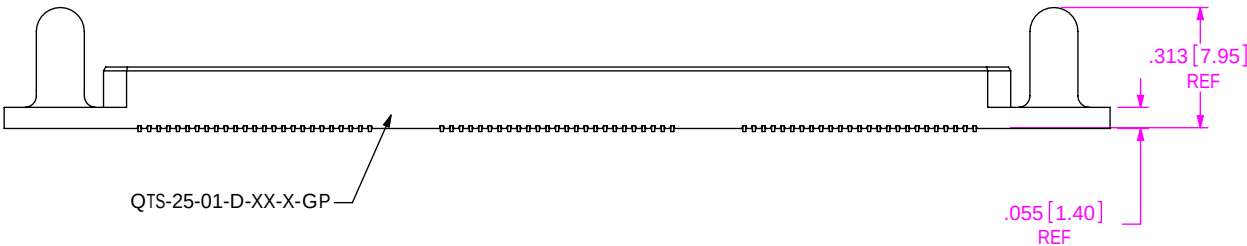
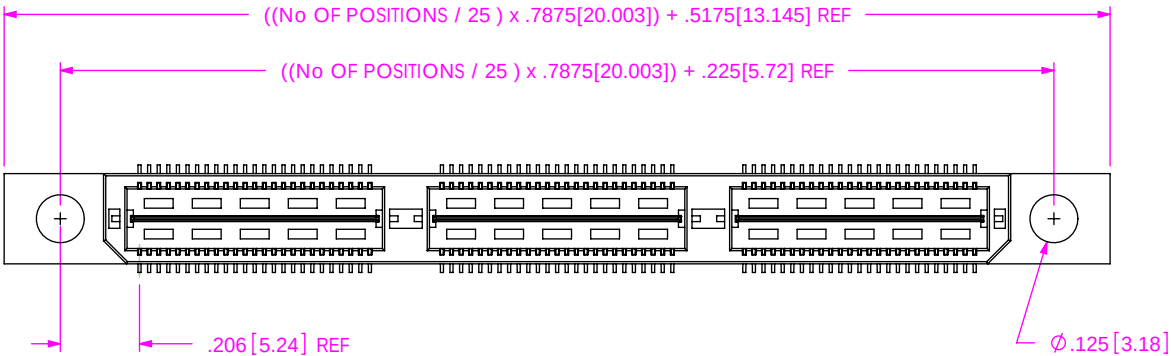
FIG. 2  
-K: POLYIMIDE FILM PAD  
(USE K-DOT-.276-.375-.005)



| 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]

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



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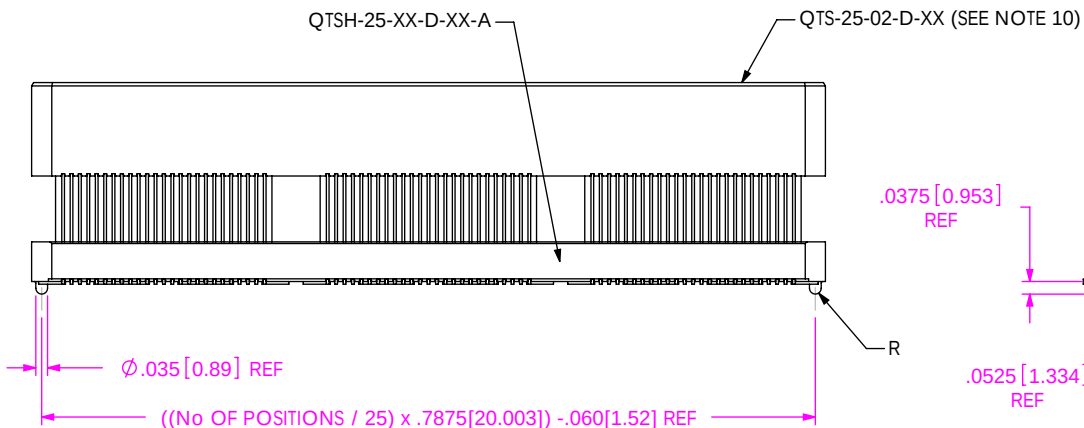
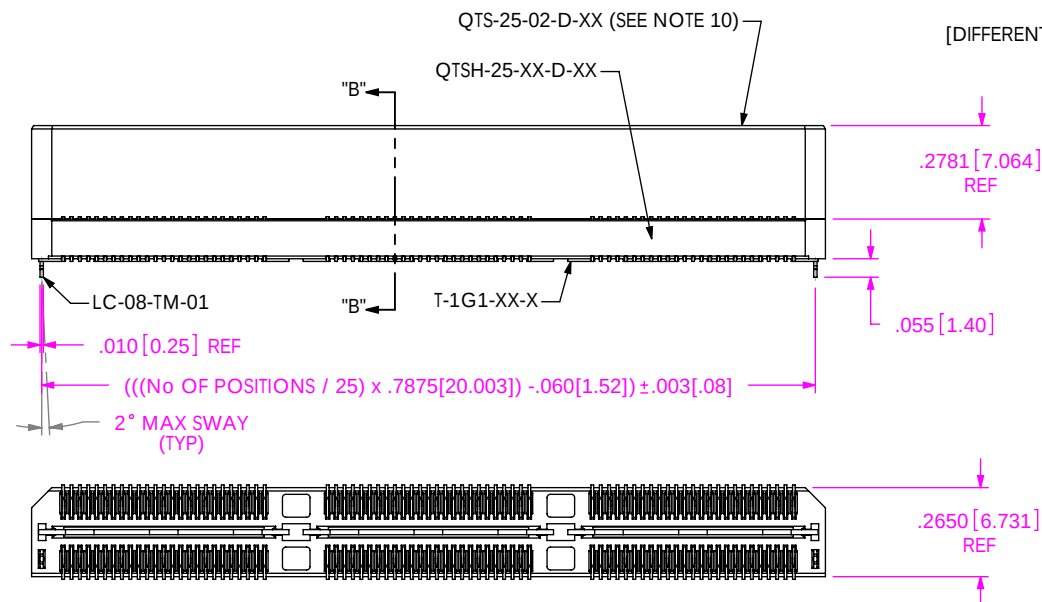
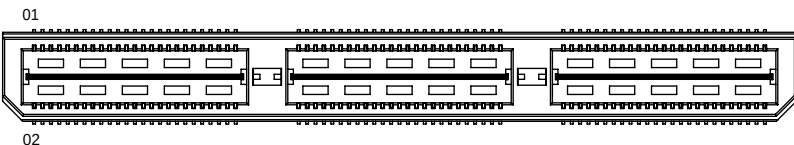
SHEET SCALE: 2:1

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

DESCRIPTION:  
H.635mm DOUBLE ROW HS TERMINAL ASSEMBLY

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

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



**-A: ALIGNMENT PIN OPTION**

[DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 3]

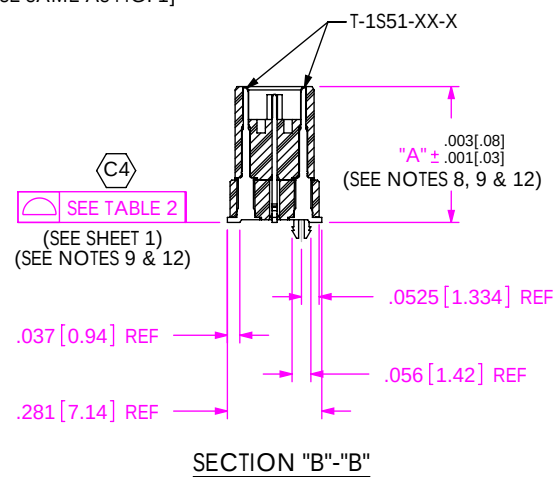
(STYLE -03, -04, -05 & -06)

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

\*  
\*

**FIG. 3**

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



**SECTION "B"- "B"**

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

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SHEET SCALE: 1:75:1

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