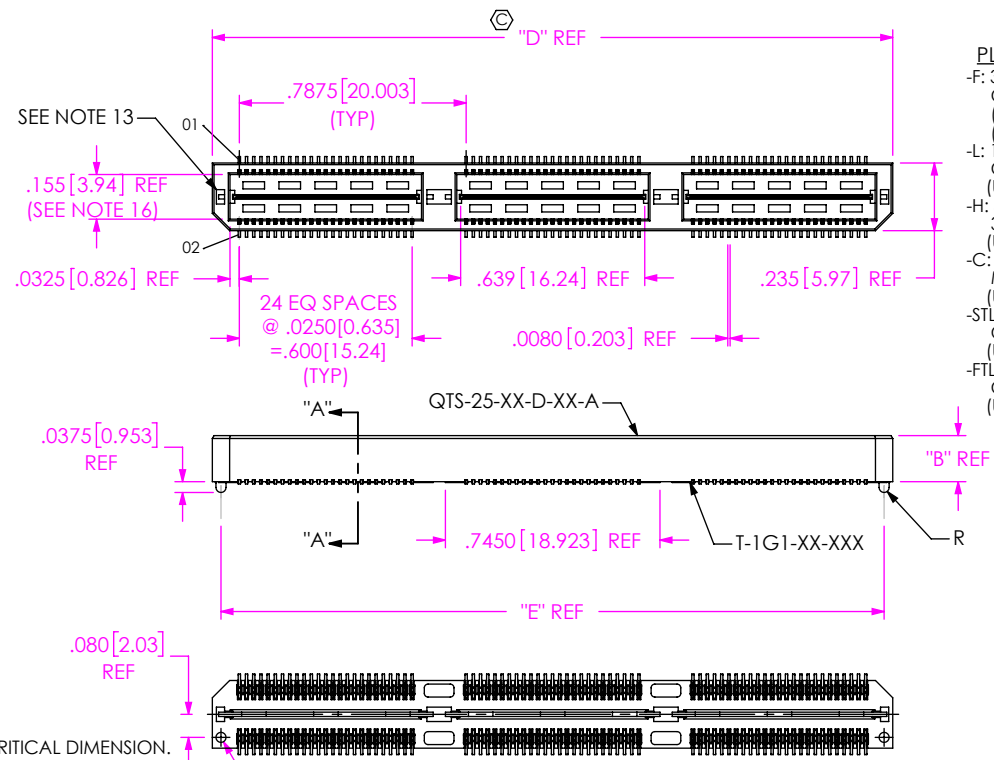


DO NOT SCALE FROM THIS PRINT

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 6		
No. OF POS	"D"	"E"
-025	.788 [20.00]	.728 [18.48]
-050	1.575 [40.01]	1.515 [38.48]
-075	2.363 [60.01]	2.303 [58.48]
-100	3.150 [80.01]	3.090 [78.49]
-125	3.938 [100.01]	3.878 [98.49]

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



NOTES:

- ⊗ 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[0.05].
- 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 TO BE .001±.001 ABOVE SEATING PLANE (MAX CONTACT COPLANARITY)
- WINDOW NOT PRESENT ON LEAD STYLES -02 THRU -06 HEIGHT PER REV. E OF THE QTS-25-XX-D-XX-X-XX.
- NOTE DELETED.
- 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.
- PIN CAN EXTEND PAST WALL .003[0.08] MAX.
- AVAILABLE FOR EXISTING CUSTOMERS ONLY.
- DELETED.
- TRAYS ARE STANDARD PACKAGING.
- ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
- ATTACH LABEL-4X2 TO EACH REEL.
- ANY CHANGES SHOULD ALSO BE APPLIED TO QTH, QTE, QTS, BTH, BTE, AND BTS.

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

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

No OF POSITIONS  
-025 -050 -075,  
\*-100, \*-125  
(PER ROW)  
\*\* (SEE NOTE 17)

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]

PLATING SPECIFICATION  
-F: 3μ" FLASH SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE T-1SXX-XX-F & T-1G1-XX-F) (SEE NOTE 11)  
-L: 10μ" LIGHT SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE T-1SXX-XX-L & T-1G1-XX-L)  
-H: 30μ" HEAVY GOLD IN CONTACT AREA, 3μ" GOLD ON TAIL (USE T-1SXX-XX-H & T-1G1-XX-G)  
-C: 50μ" HEAVY GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE T-1SXX-XX-C & T-1G1-XX-L)  
-STL: 30μ" HEAVY SELECTIVE GOLD IN CONTACT AREA, TIN LEAD ON TAIL (USE T-1SXX-XX-STL & T-1G1-XX-STL)  
-FTL: 3μ" FLASH SELECTIVE GOLD IN CONTACT AREA, TIN LEAD ON TAIL (USE T-1SXX-XX-FTL & T-1G1-XX-FTL)

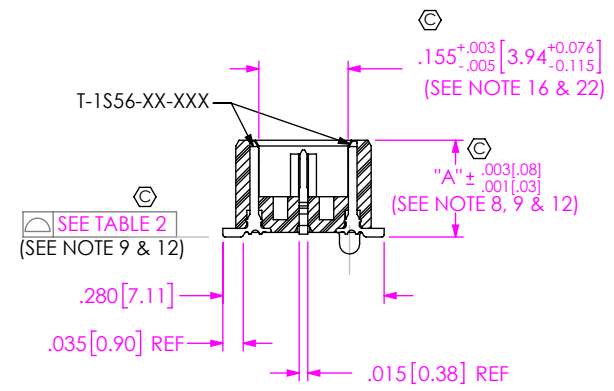
PACKAGING  
BLANK: TRAY (SEE NOTES 19 & 20)  
-TR: TAPE & REEL (SEE NOTES 20 & 21)  
-FR: FULL REEL QTY TAPE & REEL (SEE NOTES 20 & 21)  
  
(-TR & -FR PACKAGING N/A ON STYLE -05 & -06, 75 POS MAX)

PICK & PLACE OPTION  
-K: POLYIMIDE FILM PAD (USE K-DOT-.276-.375-.005, SEE FIG 3, SHT 2)


OPTION  
-LC: LOCKING CLIPS (SEE NOTE 10 & 15) (USE LC-08-TM-01)  
-A: ALIGNMENT PINS (SEE NOTE 10) (USE QTS-25-XX-D-XX-A)  
-GP: GUIDE POST, (SEE FIG 4, SHT 2) (AVAILABLE ON STYLE -01 ONLY)

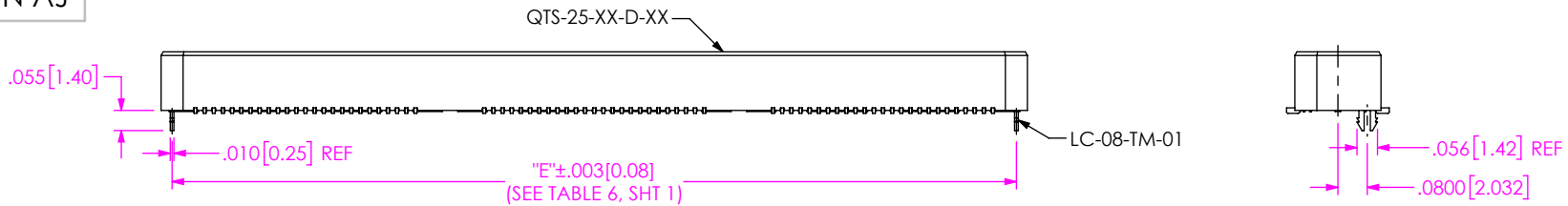
ROW SPECIFICATION  
-D: DOUBLE (USE QTS-25-XX-D-XX & QTSH-25-XX-D-XX)

No OF BANKS  
☒ = SEE SHEET 3  
\* = NOT TOOLED

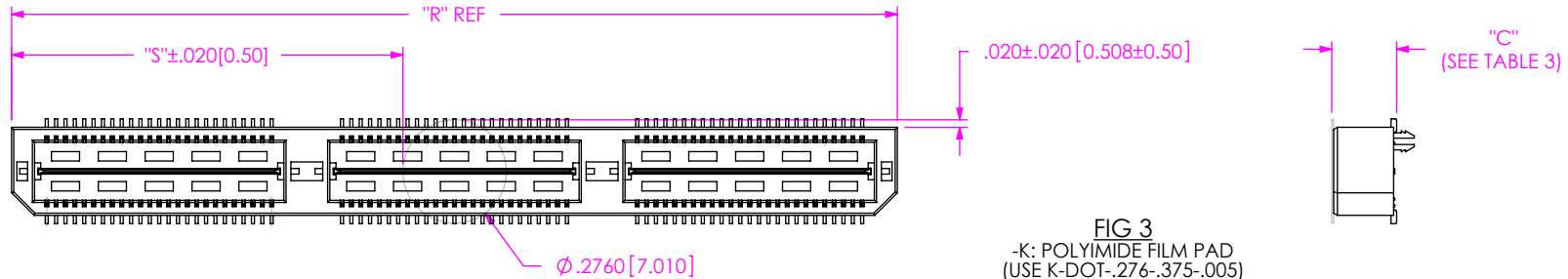


SECTION "A"-"A"  
SCALE 3:1

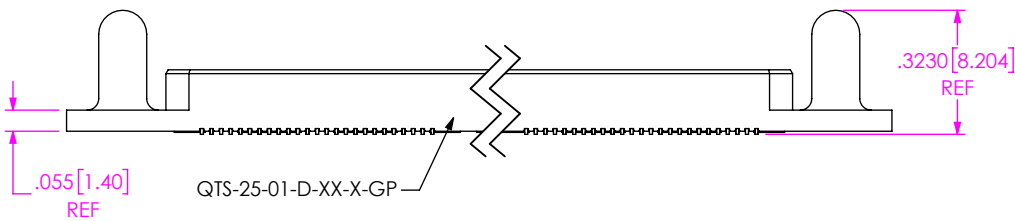
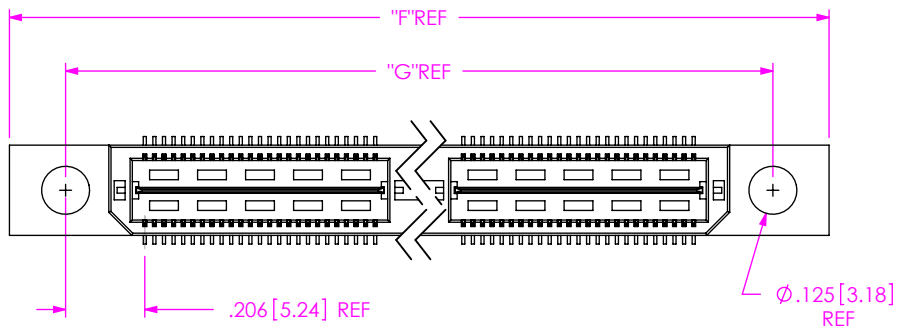
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**FIG 2**  
 -LC: LOCKING CLIP OPTION  
 (QTS-075-01-XXX-D-LC SHOWN)  
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



**FIG 3**  
 -K: POLYIMIDE FILM PAD  
 (USE K-DOT-.276-.375-.005)



**FIG 4**  
 -GP: GUIDE POST OPTION  
 (QTS-075-01-XXX-D-GP SHOWN)  
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
 (AVAILABLE ON STYLE -01 ONLY)

**TABLE 7**

No OF POS	"R"		"S"	
	-LC, -A	-GP	-LC, -A	-GP
-025	.788 [20.00]	1.305 [33.15]	.256 [6.50]	.515 [13.07]
-050	1.575 [40.01]	2.093 [53.15]	.650 [16.50]	.908 [23.07]
-075	2.363 [60.01]	2.880 [73.15]	1.043 [26.50]	1.302 [33.07]
-100	3.150 [80.01]	3.668 [93.15]	1.437 [36.50]	1.696 [43.07]
-125	3.938 [100.01]	4.455 [113.16]	1.831 [46.50]	2.090 [53.07]

**TABLE 8**

POS	"F"	"G"
-025	1.305 [33.15]	1.013 [25.72]
-050	2.093 [53.15]	1.800 [45.72]
-075	2.880 [73.15]	2.588 [65.72]
-100	3.668 [93.15]	3.375 [85.73]
-125	4.455 [113.16]	4.163 [105.73]

**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]

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 PHONE: 812-944-6733 FAX: 812-948-5047  
 e-Mail: info@SAMTEC.com code: 53322

DESCRIPTION:  
 H.635mm DOUBLE ROW HS TERMINAL ASSEMBLY

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

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

TABLE 4					
STYLE	"A"	GROUND PLANE	TERMINAL	BOTTOM SPACER BODY	MATED HEIGHT WITH QSS-01
-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

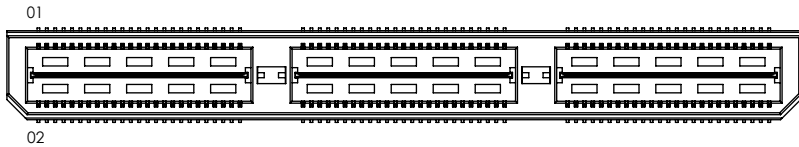
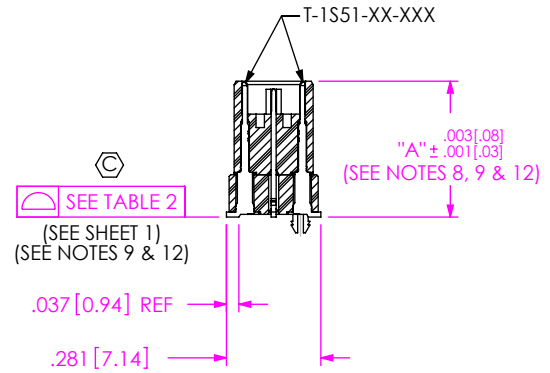
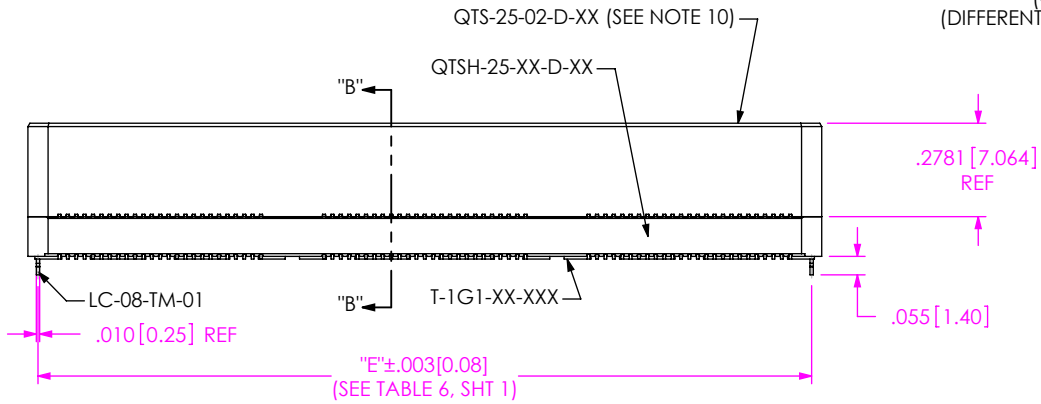


FIG 5  
(QTS-075-03-XXX-D-LC SHOWN)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



SECTION "B"-B"

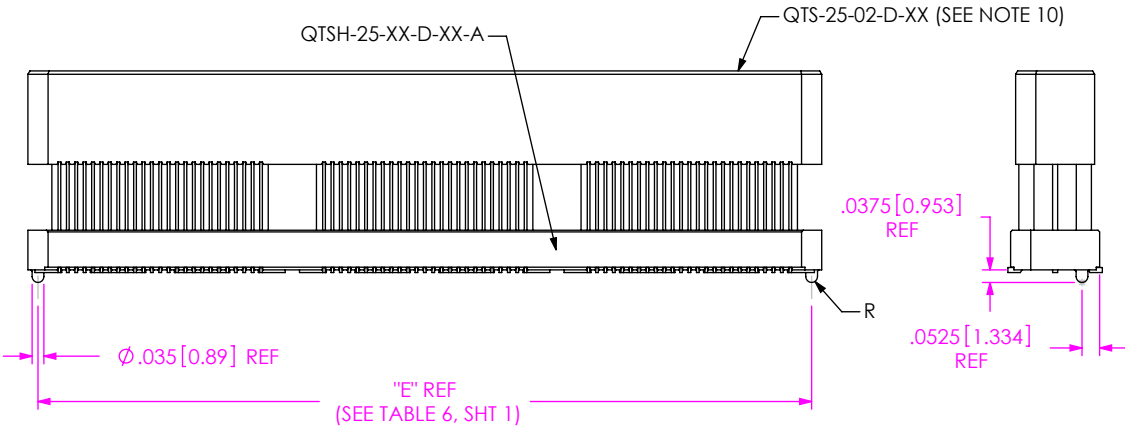
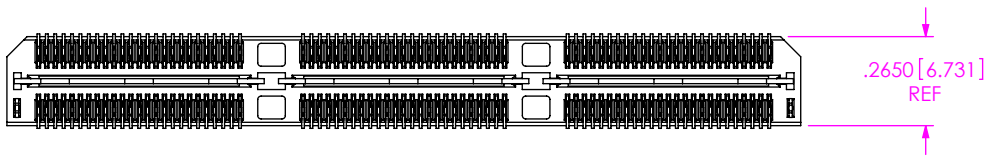


FIG 6  
(QTS-075-04-XXX-D-A SHOWN)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
(STYLE -03, -04, -05 & -06)

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

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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-XX-X-XX

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