

DO NOT
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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]

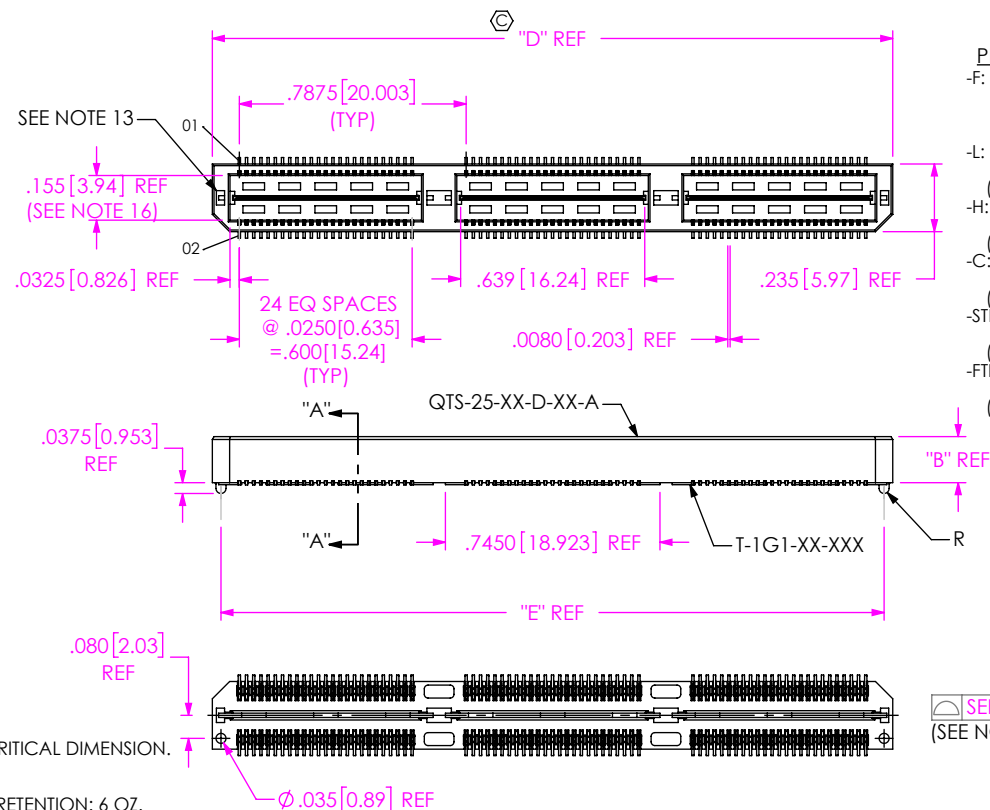


FIG 1

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

NOTES:

1. \odot REPRESENTS A CRITICAL DIMENSION.
2. NOTE DELETED.
3. NOTE DELETED.
4. MINIMUM TERMINAL RETENTION: 6 OZ.
5. MINIMUM GROUND PLANE RETENTION: 1 LB.
6. NOTE DELETED.
7. PARTS TO BE MOLDED TO POSITION.
8. NOTE DELETED.
9. NOTE DELETED.
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. NOTE DELETED.
13. WINDOW NOT PRESENT ON LEAD STYLES -02 THRU -06 HEIGHT PER REV. E OF THE QTS-25-XX-D-XX-X-XX.
14. NOTE DELETED.
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[0.08] MAX.
17. AVAILABLE FOR EXISTING CUSTOMERS ONLY.
18. NOTE DELETED.
19. TRAYS ARE STANDARD PACKAGING.
20. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
21. ATTACH LABEL-4X2 TO EACH REEL.
22. ANY CHANGES SHOULD ALSO BE APPLIED TO QTH, QTE, QTS, BTH, BTE, AND BTS.
23. DIMENSION MEASURED, ON EACH BANK, FROM A PLANE CREATED FROM THE SIGNAL PINS.
24. COPLANARITY INCLUDES SIGNAL PINS AND GROUND PLANES.

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

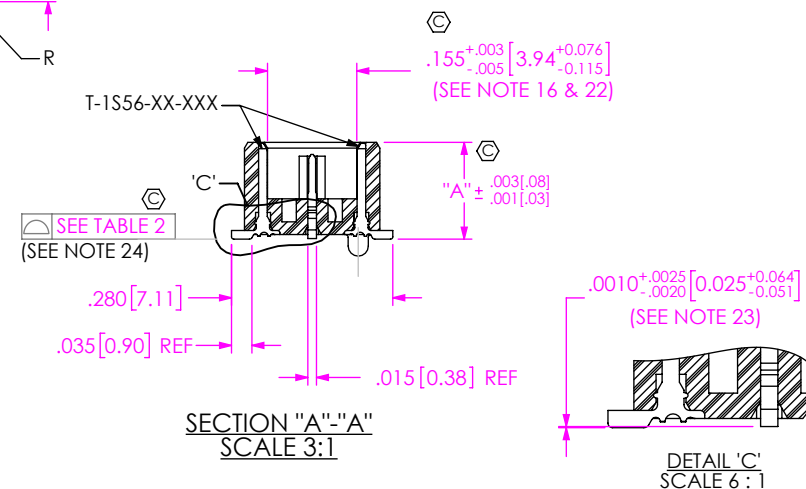
-LC: LOCKING CLIPS (SEE NOTE 10 & 15) (USE LC-08-TM-01)
-A: ALIGNMENT PINS (SEE NOTE 10) (USE QTS-25-XX-D-XX-A)
-GP: GUIDE POST, (SEE FIG 4, SHT 2) (AVAILABLE ON STYLE -01 ONLY)

ROW SPECIFICATION

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

No OF BANKS

☒ = SEE SHEET 3
* = NOT TOOLED

SECTION "A"-"A"
SCALE 3:1DETAIL 'C'
SCALE 6:1UNLESS 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
INSULATOR: LCP, UL94V-0; COLOR: BLACK
TERMINAL: PHOS BRONZE
GROUND PLANE: PHOS BRONZE

SHEET SCALE: 1.5:1

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 1 OF 3

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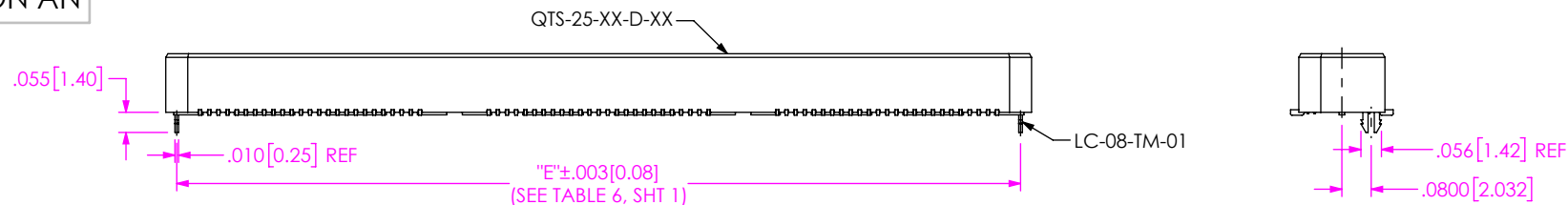


FIG 2
-LC: LOCKING CLIP OPTION
(QTS-075-01-XXX-D-LC SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

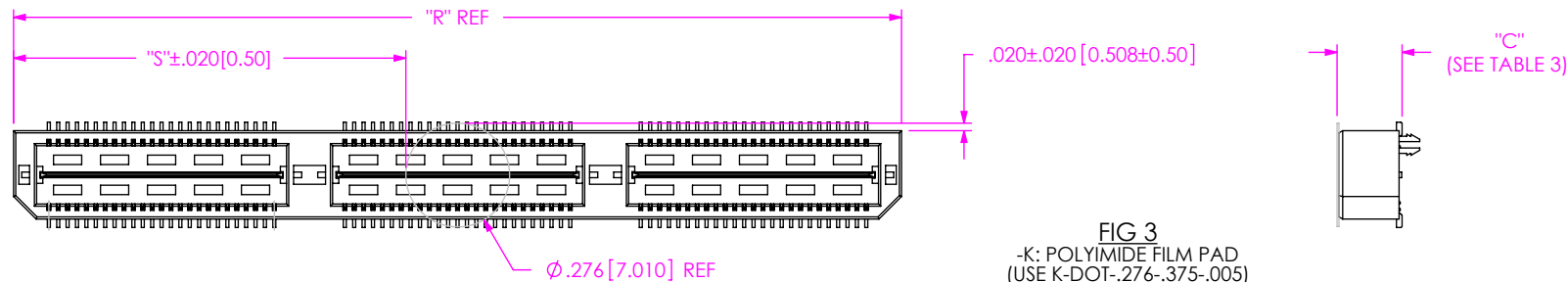


FIG 3
-K: POLYIMIDE FILM PAD
(USE K-DOT-.276-.375-.005)

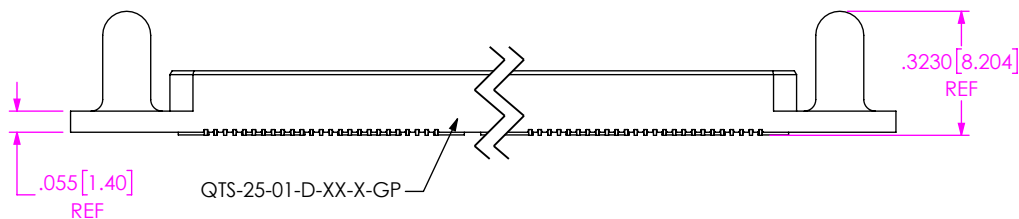
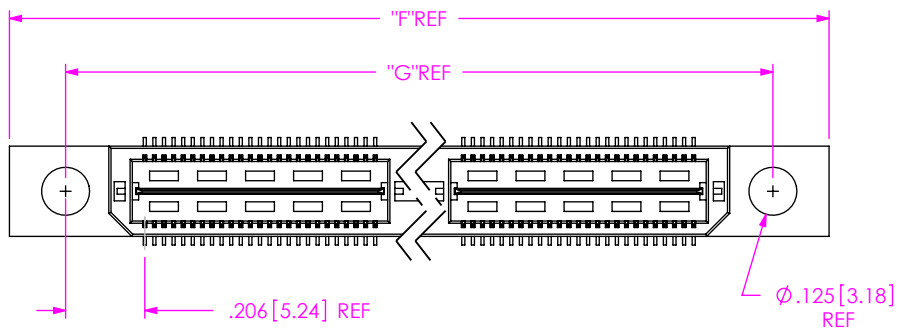


FIG 4
-GP: GUIDE POST OPTION
(QTS-075-01-XXX-D-GP SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(AVAILABLE ON STYLE -01 ONLY)

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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SHEET SCALE: 2:1

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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-XX-X-XX

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

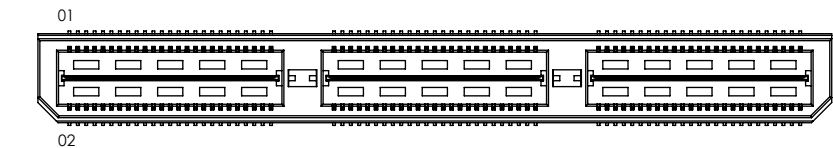
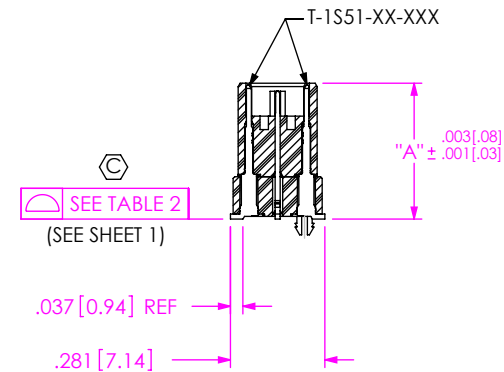
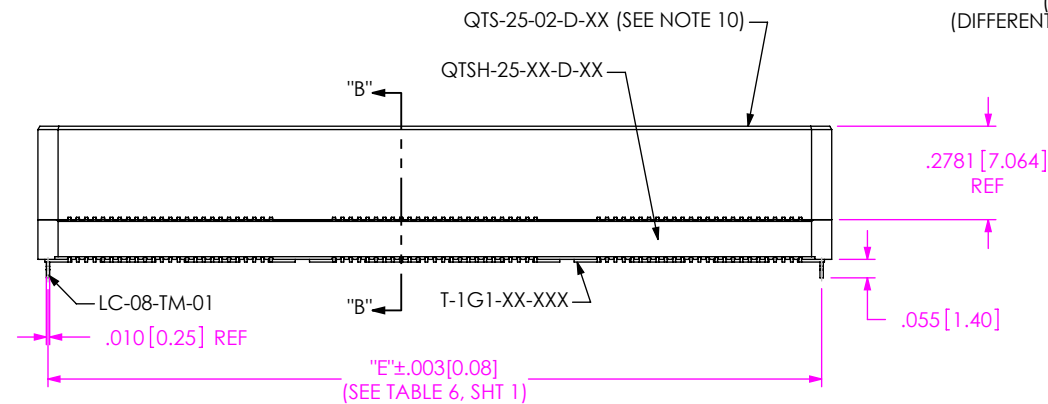


TABLE 4					MATED HEIGHT WITH QSS-01
STYLE	"A"	GROUND PLANE	TERMINAL	BOTTOM SPACER BODY	
-03	.4043 [10.269]	T-1G1-03-XXX	T-1S51-03-XXX	QTSH-25-01-D-XX-X	.433 [11.00] REF
-04	.6001 [15.246]	T-1G1-04-XXX	T-1S51-04-XXX	QTSH-25-01-D-XX-X	.630 [16.00] REF
-05	.7181 [18.240]	T-1G1-05-XXX	T-1S51-05-XXX	QTSH-25-02-D-XX-X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

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



SECTION "B"- "B"

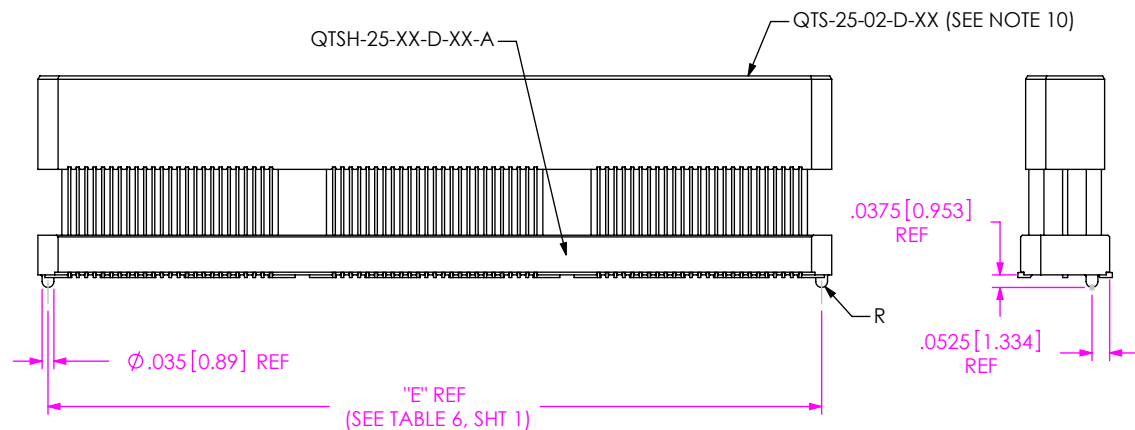
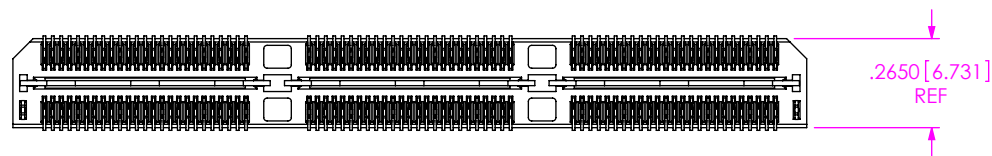


FIG 6
(QTS-075-04-XXX-D-A SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(STYLE -03, -04, -05 & -06)

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