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DO NOT CALE FROM THIS PRINT

	MATED HEIGHT					
STYLE	"B"	"C"	BODY	GROUND PLANE	TERMINAL	WITH QSE-01
-01	.1680 [4.267]	.1600 [4.064]	QTE-20-01-D-XX	T-1G1-01-XXX	T-1S39-01-XXX	.197 [5.00] REF
-02	.2861 [7.267]	.2781 [7.064]	QTE-20-02-D-XX	T-1G1-02-XXX	T-1S59-02-XXX	.315 [8.00] REF
-03	.4042 [10.267]	.3962 [10.063]	QTE-20-03-D-XX	T-1G1-03-XXX	T-1S39-03-XXX	.433 [11.00] REF

TABLE 3					
No OF POS	"A"	"D"			
-020	.788 [20.00]	.728 [18.48]			
-040	1.575 [40.01]	1.515 [38.48]			
-060	2.363 [60.01]	2.303 [58.48]			
*-080	3.150 [80.01]	3.090 [78.49]			
*-100	3.938 [100.01]	3.878 [98.49]			

TABLE 2				
No OF POSITIONS	COPLANARITY INCLUDING GP			
-020 THRU -060	.004 [0.10]			
*-080 THRU *-100	.006 [0.15]			
* (CEE NOTE 1.4)				

T-1G1-XX-XXX

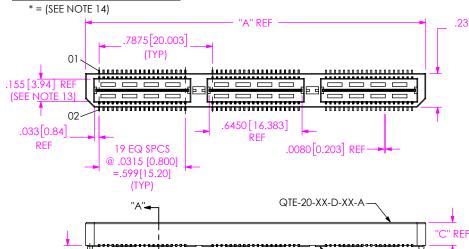
FIG 1

-A: ALIGNMENT PIN OPTION

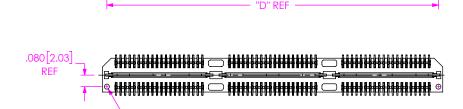
(QTE-060-01-XXX-D-A SHOWN)

(STYLE -01, -02 & -03 ONLY)

* = (SEE NOTE 14)



REF



NOTES:

- 1. © REPRESENTS A CRITICAL DIMENSION.
- 2. MINIMUM TERMINAL RETENTION: 8 OZ. 3. MINIMUM GROUND PLANE RETENTION: 1 LB.
- 4. PARTS TO BE MOLDED TO POSITION.

.036 0.91

REF

- 5. MAXIMUM VARIANCE OF .002 [0.05]
- 6. DIMENSION APPLIES TO TERMINALS AND GROUND PLANE.
- 7. T-1SXX-XX-L CAN BE SUBSTITUTED FOR T-1SXX-XX-F.
- 8. NOTE DELETED.
- 9. GROUND PLANE PRESS HEIGHT MUST BE .003[0.08] LESS THAN THE MAX HEIGHT OR .001 [0.03] GREATER THAN THE MINIMUM HEIGHT OF THE TERMINALS.

"A"_

-∅.035|0.89| REF

- 10. T-1R36 RÉTENTION TO BODY TO BE 1.0 LBF.
- 11. NOTE DELETED.
- 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.
- 13. PIN CAN EXTEND PAST WALL .003[0.08] MAX.
- 14. AVAILABLE FOR EXISTING CUSTOMERS ONLY.
- 15. NOTE DELETED.

QTE-XXX-XX-XXX-D-XXX

No OF POSITIONS -020, -040, -060, *-080, *-100 (PER ROW) * = (SEE NOTE 14) LEAD STYLE -01: .1680 [4.267] -02: .2861 [7.267] -03: .4042 [10.267 -04: .6010 [15.265] -05: .7190 [18.263] -06: .8370 [21.260] -07: .9540 [24.231] -08: 1.1510 [29.260] .2350 [5.969] -09: .5220 [13.258] **REF**

PLATING SPECIFICATION

- -F: 3µ" FLASH GOLD IN CONTACT AREA MATTE TIN ON TAIL
- (USE T-1SXX-XX-F, T-1G1-XX-F) (SEE NOTE 07) -L: 10µ" LIGHT GOLD IN CONTACT AREA, MÄTTE TIN ON TAIL

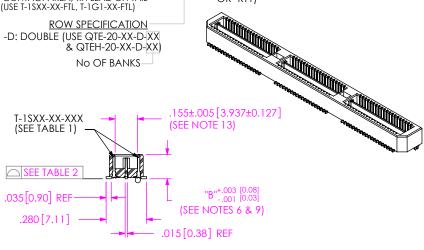
-10: .5606 [14.239]

- (USE T-1SXX-XX-L, T-1G1-XX-L) -H: 30µ" HEAVY GOLD IN CONTACT AREA, 3u" GOLD ON TAIL
- (USE T-1SXX-XX-H, T-1G1-XX-G) -C: 50µ" ELECTRO-POLISHED SELÉCTIVE 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: 3u" FLASH SELECTIVE GOLD IN CONTACT AREA, TIN LEAD ON TAIL (USE T-1SXX-XX-FTL, T-1G1-XX-FTL)

ROW SPECIFICATION -D: DOUBLE (USE QTE-20-XX-D-XX & QTEH-20-XX-D-XX) No OF BANKS-

OPTION

- -A: ALIGNMENT PINS -LC: LOCKING CLIPS (SEE NOTE 12)
 - (USE LC-08-TM-01) (SEE FIG 2, SHT 2)
- -K: POLYIMIDE FILM (USE K-DOT-.276-.375-.005, SEE FIG 3, SHT 2) (N/A ON STYLE -07 & -08)
- -TR: TAPE & REEL (SEE FIG 13, SHT 7)
- (60 POS. MAX) 40 POS. MAX FOR -GP OPTION) (N/A ON STYLE -05, -06, -07, & -08)
- -GP: GUIDE POSTS (SEE FIG 4, SHT 3) (AVAILABLE ON '-01 ONLY)
- USE QTE-20-01-D-XX-GP (T & R PACK: 40 POS. MÁX.)
- -SD: SCREW DOWN (SEE FIG 5, SHT 3) (AVAILABLE ON -01 ONLY) USE QTE-20-01-D-XX-SD)
- -FL: FRICTION LOCKS (SEE FIG 9, SHT 5) ONLY AVAILABLE ON -01 & -02) NOT AVAILABLE WITH -GP, -SD)
- -RT1: RETENTION OPTION (SEE FIG 11, SHT 6) (ONLY AVAILABLE ON -01 LEAD STYLE) MUST USE -A OPTION)
 - USE QTE-20-01-D-XX-A-RT1 & T-1R36-01-F) NOT AVAILABLE WITH -LC, -GP, -SD, OR -FL) NOT AVAILABLE ON -100 POS
- -L: LATCHING OPTION (40 POS. MAX.) (SEE FIG 12, SHT 6) (MUST USE -A OPTION) AVAILABLE ON -01 ONLY)
 - NOT AVAILABLE WITH -LĆ, -GP, -SD, -FL, OR -RT1)



SECTION "A"-"A"

PROPRIETARY NOTE

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: ANGLES DECIMALS 2°

.XX: ±.01 [0.3] .XXX: ±.005 [0.13 .XXXX: ±.0020 [0.051]

TERMINAL: PHOS BRONZE

GROUND PLANE: PHOS BRONZE

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DESCRIPTION

.8mm DOUBLE ROW HS TERMINAL ASSEMBLY

DWG. NO QTE-XXX-XX-XXX-D-XXX

F:\DWG\MISC\MKTG\QTE-XXX-XX-XXX-D-XXX-MKT,SLDDRW

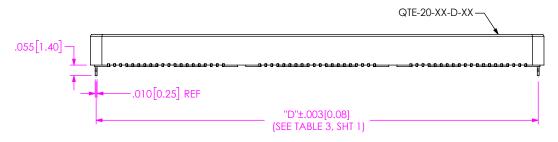
INSULATOR: LCP, UL94V-0; COLOR: BLACK

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09-14-2010 | SHEET 1 OF 7

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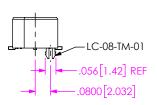


FIG 2
-LC: LOCKING CLIP OPTION
(QTE-060-01-XXX-D-LC SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

TABLE 4								
No OF POS		"R	п		"S"			
110 01 1 03	-LC, -A, -FL	-GP,-SD	-RT1	-L	-LC, -A, -FL	-GP, -SD	-RT1	-L
-020	.788 [20.00]	1.305 [33.15]	1.438 [36.53]	.906 [23.00]	.256 [6.50]	.515 [13.07]	.581 [14.76]	.315 [7.99]
-040	1.575 [40.01]	2.093 [53.15]	2.226 [56.53]	1.693 [43.00]	.650 [16.50]	.908 [23.07]	.975 [24.76]	.709 [18.00]
-060	2.363 [60.01]	2.880 [73.15]	3.013 [76.53]	N/A	1.043 [26.50]	1.302 [33.07]	1.369 [34.76]	N/A
*-080	3.150 [80.01]	3.668 [93.15]	3.801 [96.53]	N/A	1.437 [36.50]	1.696 [43.07]	1.762 [44.76]	N/A
*-100	3.938 [100.01]	4.455 [113.16]	N/A	N/A	1.831 [46.50]	2.090 [53.07]	N/A	N/A
* = (SEE NOTE	11 & 14)	<u>.</u>						

TABLE 5			
STYLE	"Т"		
-01	.173[4.39]		
-02	.291[7.39]		
-03	.409[10.39]		
-04	.605[15.37]		
-05	.721[18.31]		
-06	.840[21.33]		
-09	.528 [13.41]		
-10	.567[14.37]		

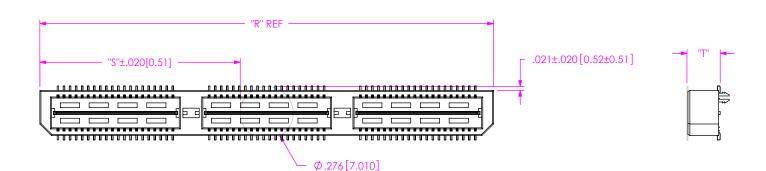


FIG 3 -K: POLYIMIDE FILM PAD (USE K-DOT-.276-.375-.005)

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e-Mail info@SAMTEC.com code 55322 .8mm DOUBLE ROW HS TERMINAL ASSEMBLY

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PHONE: 812-944-6733 FAX: 812-948-5047

DO NOT SCALE DRAWING SHEET SCALE: 2:1

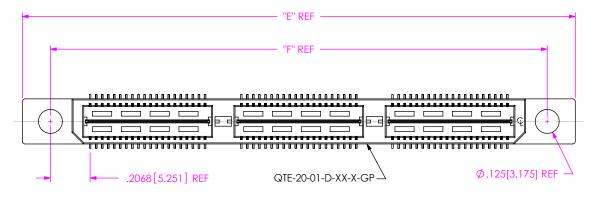
QTE-XXX-XX-XXX-D-XXX 09-14-2010 SHEET 2 OF 7

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

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TABLE 6					
POS	"E"	"F"			
-020	1.305 [33.15]	1.013 [25.72]			
-040	2.093 [53.15]	1.800 [45.72]			
-060	2.880 [73.15]	2.588 [65.72]			
*-080	3.668 [93.15]	3.375 [85.73]			
*-100	4.455 [113.16]	4.163 [105.73]			

^{* = (}SEE NOTE 14)



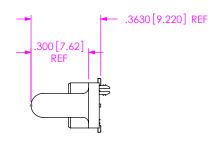


FIG 4

-GP: GUIDE POST OPTION
(QTE-060-01-XXX-D-GP SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(AVAILABLE ON STYLE -01 ONLY)

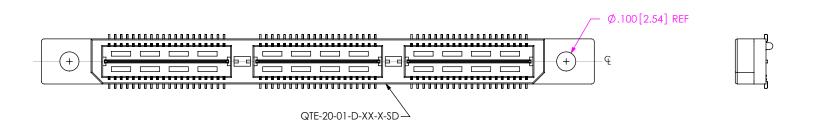


FIG 5
-SD: SCREW DOWN OPTION
(QTE-060-01-XXX-D-A-SD SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 4)
(AVAILABLE ON STYLE -01 ONLY)

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SHEET SCALE: 2:1

DESCRIPTION:

.8mm DOUBLE ROW HS TERMINAL ASSEMBLY

QTE-XXX-XX-XXX-D-XXX

BY: DEAN P 09-14-2010 SHEET 3 OF 7

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

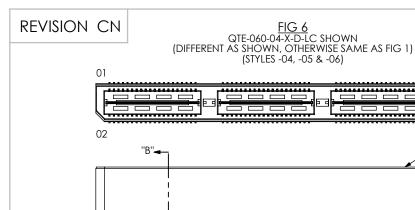


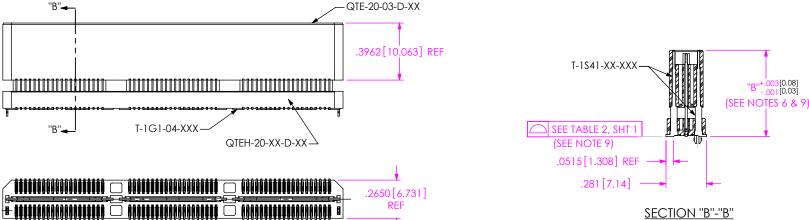
TABLE 7						MATED HEIGHT
STYLE	"B"	GROUND PLANE	TERMINAL	BOTTOM SPACER BODY	TOP BODY	WITH QSE-01
-04	.6010 [15.265]	T-1G1-04-XXX	T-1S41-04-XXX	QTEH-20-01-D-XX-X	QTE-20-03-D-XX-X	.630[16.00] REF
-05	.7190 [18.263]	T-1G1-05-XXX	T-1S41-05-XXX	QTEH-20-01-D-XX-X	QTE-20-03-D-XX-X	.748[19.00] REF
-06	.8370 [21.260]	T-1G1-06-XXX	T-1S41-06-XXX	QTEH-20-02-D-XX-X	QTE-20-03-D-XX-X	.866[22.00] REF
-07	.9540 [24.232]	T-1G17-01-XXX	T-1S61-21-XXX	QTEH-20-04-D-XX-X	QTE-20-02-D-XX-X	.984[25.00] REF
-08	1.1510 [29.235]	T-1G17-02-XXX	T-1S61-22-XXX	QTEH-20-04-D-XX-X	QTE-20-02-D-XX-X	1.181[30.00] REF
-09	.5220 [13.259]	T-1G1-09-XXX	T-1S60-09-XXX	QTEH-20-01-D-XX-X	QTE-20-02-D-XX-X	.551[14.00] REF
-10	.5606 [14.239]	T-1G1-10-XXX	T-1S60-10-XXX	QTEH-20-01-D-XX-X	QTE-20-02-D-XX-X	.591[15.00] REF

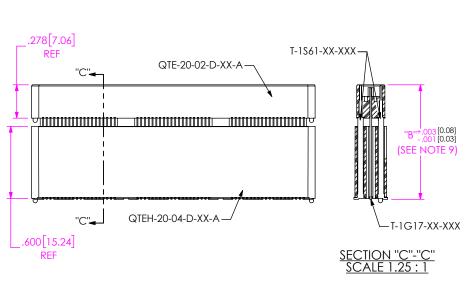
T-1S60-XX-XXX

"B"^{+.003} [0.08] -.001 [0.03]

-T-1G1-XX-XXX

SEE NOTES 6 & 9)







.278 7.06

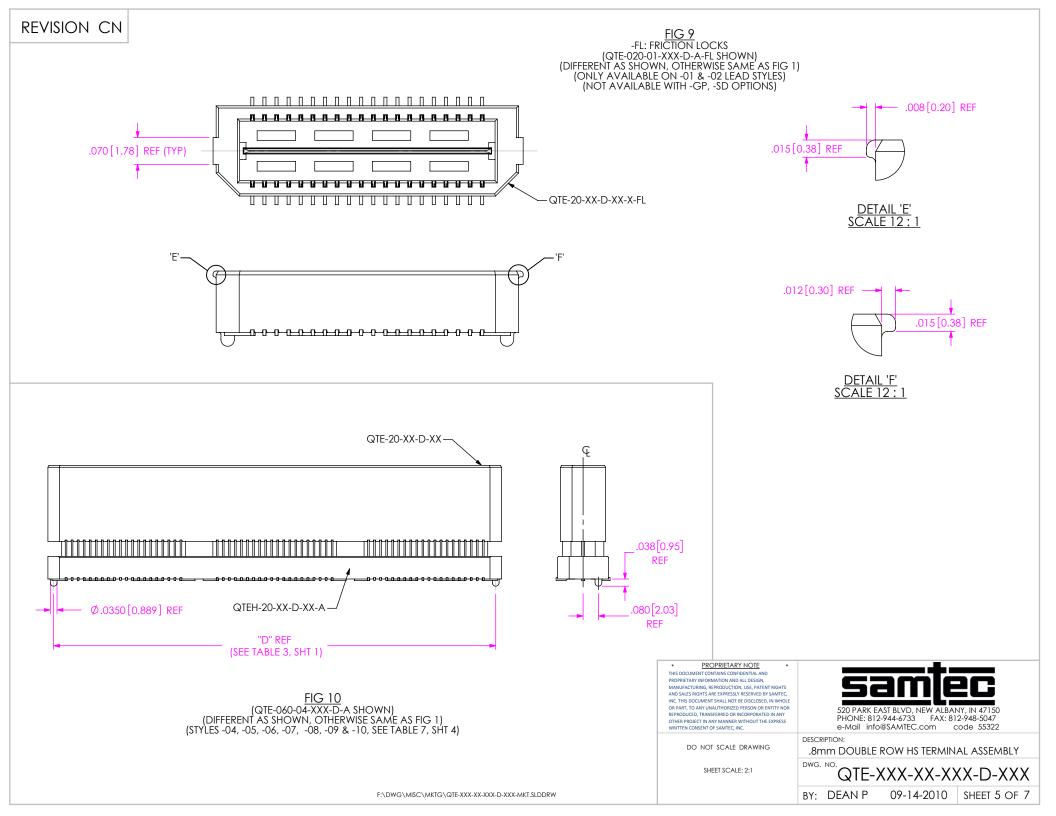
"D"◀¬

"D"—

.118[3.00]

QTE-20-02-D-XX-A-

QTEH-20-01-D-XX-A



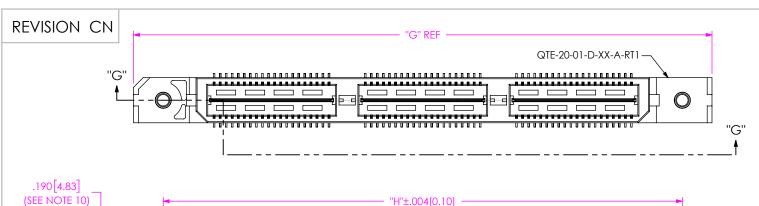
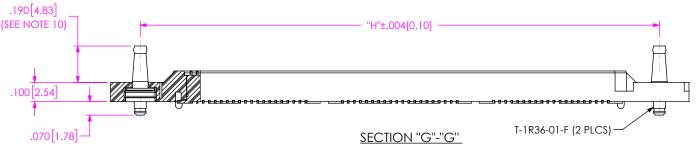


	TABLE 8				
POS	"G"	"H"			
-020	1.438 [36.53]	1.129 [28.68]			
-040	2.226 [56.53]	1.917 [48.68]			
-060	3.013 [76.53]	2.704 [68.68]			
*-080	3.801 [96.53]	3.492 [88.68]			
*-100	N/A	N/A			

* = (SEE NOTE 14)



Ø.070[1.78]
REF

FIG 11
-RT1: RETENTION OPTION
(QTE-060-01-XXX-D-A-RT1 SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(ONLY AVAILABLE ON -01 LEAD STYLE) (MUST USE -A OPTION)
(NOT AVAILABLE WITH -LC, -GP, -SD, OR -FL OPTIONS)
(NOT AVAILABLE ON -100 POSITION)

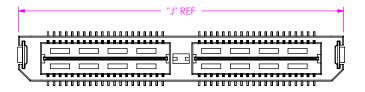


TABLE 9					
POS	"J"	"K"	"L"		
-020	.906 [23.00]	.915 [23.24]	.854 [21.69]		
-040	1.693 [43.00]	1.703 [43.24]	1.642 [41.69]		
-060	N/A	N/A	N/A		
*-080	N/A	N/A	N/A		
*-100	N/A	N/A	N/A		

"K" —	•	-
QTE-20-01-D-XX-A-L		
		053±.002[1.35±0.05]
		
WT-56-01-T	.010[0.25] REF	
"["		

FIG 12

-L: LATCHING OPTION

(QTE-040-01-XXX-D-A-L SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(40 POS. MAX.) (MUST USE -A OPTION)
(AVAILABLE ON -01 LEAD SYTLE ONLY)
(NOT AVAILABLE WITH -LC, -GP, -SD, -FL, OR -RT1)





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.8mm DOUBLE ROW HS TERMINAL ASSEMBLY

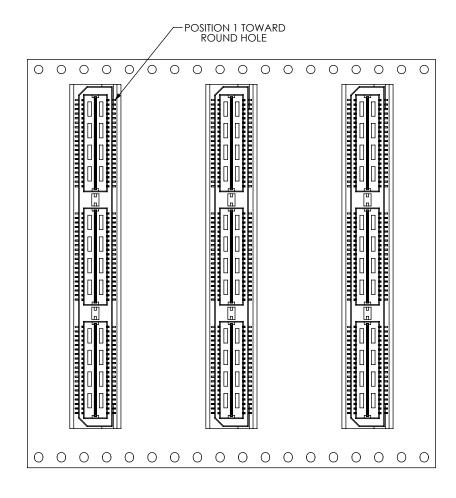
OTE-XXX-XX-XXX-D-XXX

BY: DEAN P 09-14-2010 SHEET 6 OF 7

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FIG 13
-TR: PACKAGING OPTION
(QTE-060-01-XXX-D-LC-TR SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(60 POS MAX)
(40 POS MAX WITH -GP OPTION)
(NOT AVAILABLE ON LEAD SYTLES -05, -06, -07 & -08)



PC	OCKET NOT DETAILED	

USER DIRECTION OF UN-REELING _____

CRITICAL DIMENSION INSPECTION INSTRUCTION TABLE	
ASSEMBLY OPERATION	IN PROCESS INSPECTION
FILL T-1SXX	C1, C2, C4, C5, C13
ADD -LC OPTION	C14
ADD -RT1 OPTION	C6, C8
ADD -L OPTION	C9, C10, C11
ADD -K OPTION	C16, C15
CPC'S INTENTIONALLY DELETED: C7, C12	

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SHEET SCALE: 1:0.8

DESCRIPTION:

.8mm DOUBLE ROW HS TERMINAL ASSEMBLY

QTE-XXX-XX-XXX-D-XXX

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09-14-2010 SHEET 7 OF 7