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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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TABLE 1					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		
IND OF FOSTIIONS	INCLUDING GP		
-020 THRU -060	.004 [0.10]		
*-080 THRU *-100	.006 [0.15]		
* (0==) (0==) ()			

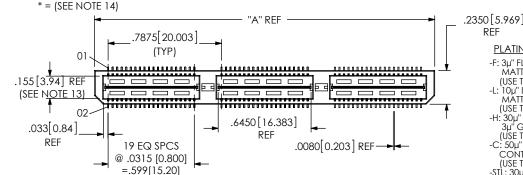
FIG 1

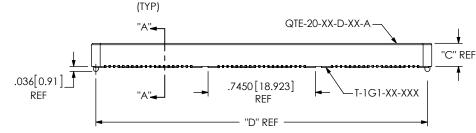
-A: ALIGNMENT PIN OPTION

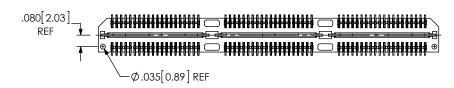
(QTE-060-01-XXX-D-A SHOWN)

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

* = (SEE NOTE 14)







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.
- 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.
- 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. FOR NEW APPLICATIONS REQUIRING THESE POSITIONS, PLEASE CONTACT SAMTEC INTERCONNECT PROCESSING GROUP.

REF

No OF POSITIONS -020, -040, -060, *-080, *-100 (PER ROW)

* = (SEE NOTE 14 & 15) LEAD STYLE-

-01: .1680 [4.267] -02: .2861 [7.267] -03: .4042 [10.267 -04: .6010 [15.265] -05: .7190 [18.263]

QTE-XXX-XX-XXX-D-XXX

-06: .8370 [21.260] -07: .9540 [24.231] -08: 1.1510 [29.260] -09: .5220 [13.258]

-10: .5606 [14.239]

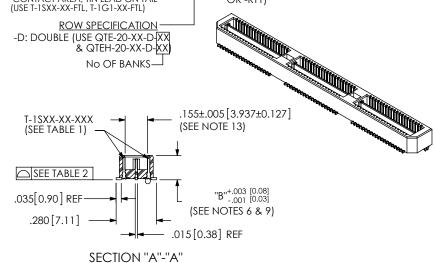
PLATING SPECIFICATION

- -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
- (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 SELECTIVE 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)



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES .XX: ±.01 [0.3 2°

.XXX: ±.005 [0.13

MATERIAL:

.XXXX: ±.0020 [0.051]

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INSULATOR: LCP, UL94V-0; COLOR: BLACK TERMINAL: PHOS BRONZE GROUND PLANE: PHOS BRONZE

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



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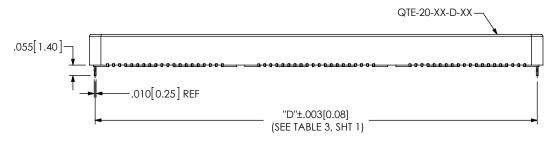
DEAN P

.8mm DOUBLE ROW HS TERMINAL ASSEMBLY

QTE-XXX-XX-XXX-D-XXX 09-14-2010

SHEET 1 OF 7





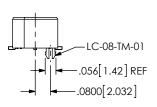


FIG 2
-LC: LOCKING CLIP OPTION
(QTE-060-01-XXX-D-LC SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

TABLE 4								
No OF POS	"R"			"S"				
110 01 1 00	-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)								

TABLE 5			
STYLE	"T"		
-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]		

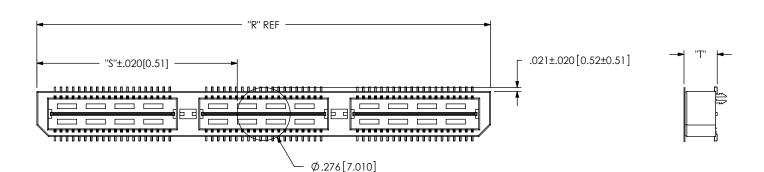


FIG 3
-K: POLYIMIDE FILM PAD
(USE K-DOT-.276-.375-.005)

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DESCRIPTION:

.8mm DOUBLE ROW HS TERMINAL ASSEMBLY

QTE-XXX-XX-XXX-D-XXX

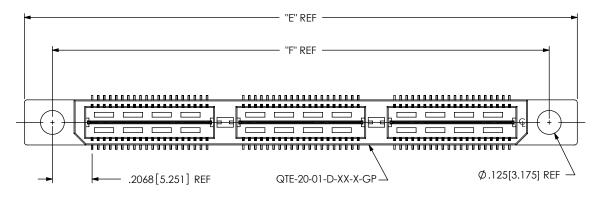
BY: DEAN P 09-14-2010 SHEET 2 OF 7

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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)



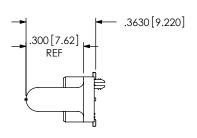


FIG 4 -GP: GUIDE POST OPTION (QTE-060-01-XXX-D-GP SHOWN) (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1) (AVAILABLE ON STYLE -01 ONLY)

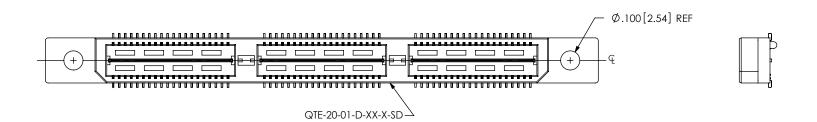


FIG 5 -SD: SCREW DOWN OPTION (QTE-060-01-XXX-D-A-SD SHOWN) (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 4) (AVAILABLE ON STYLE -01 ONLY)

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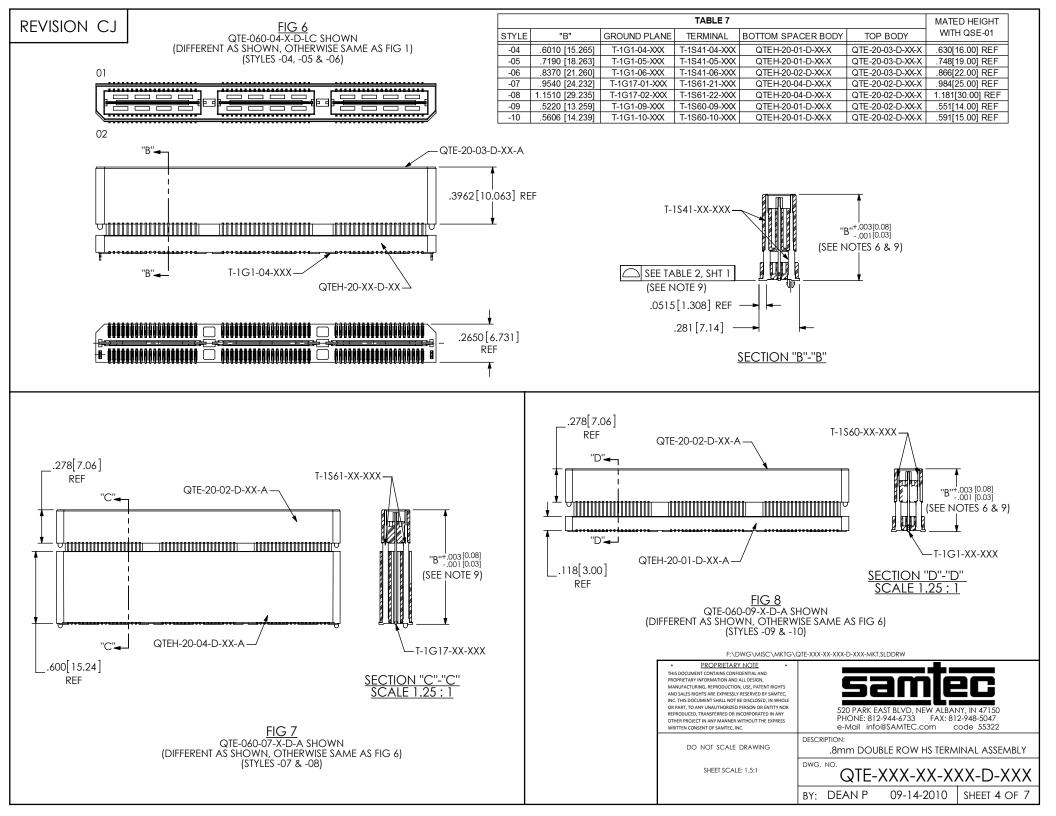
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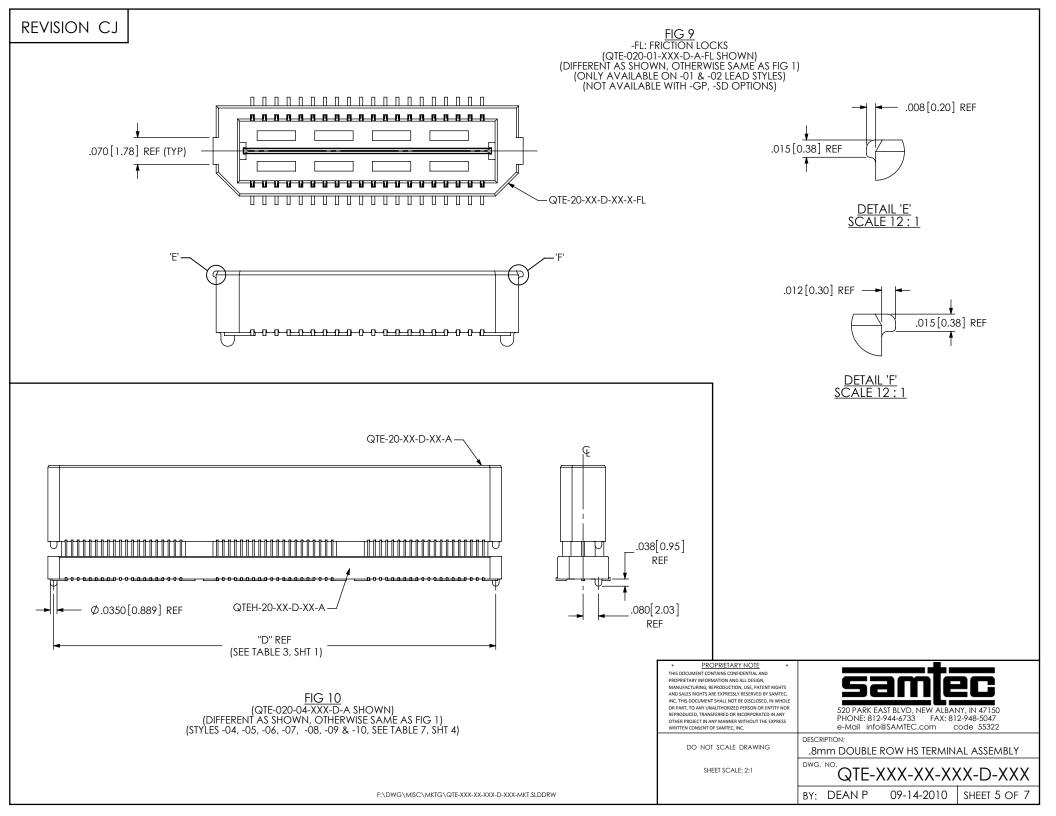
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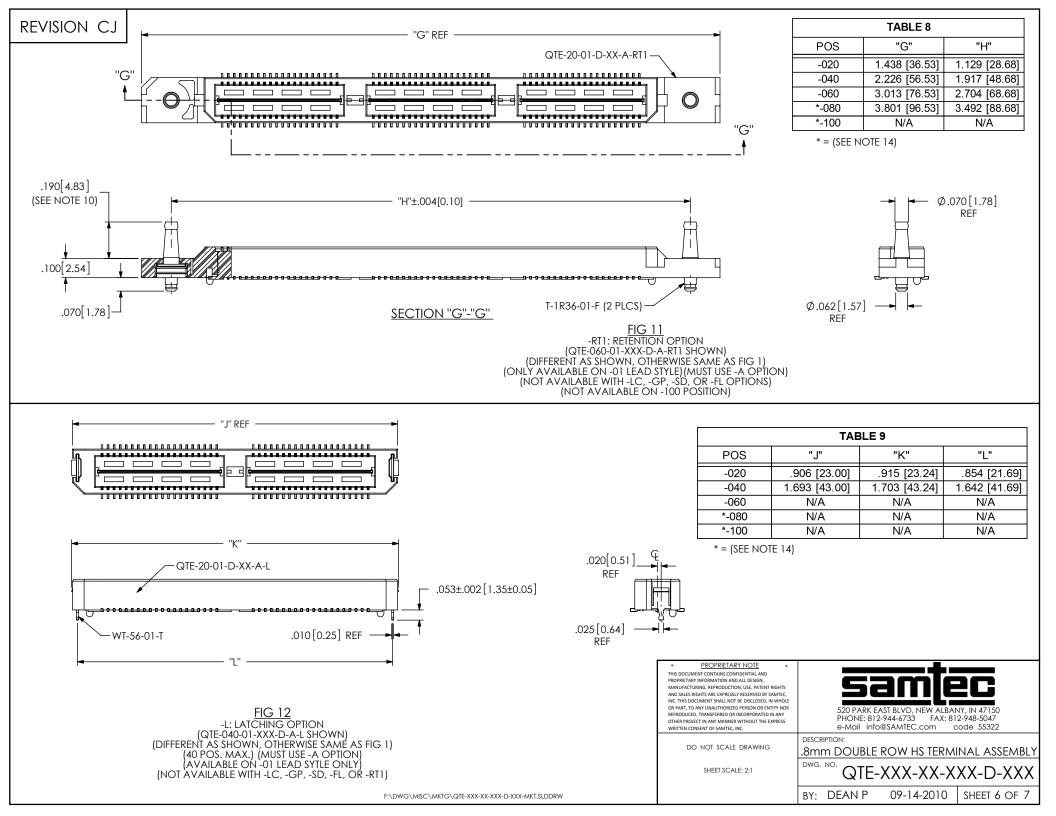
QTE-XXX-XX-XXX-D-XXX

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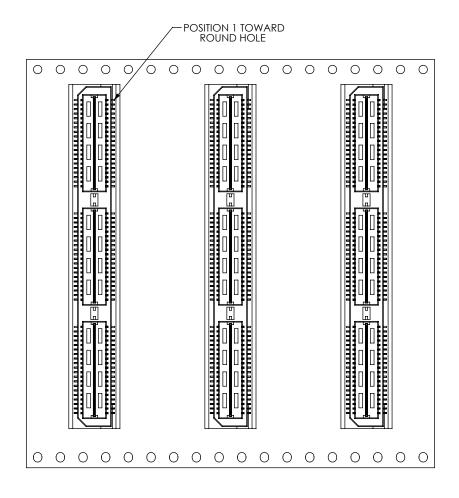






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FIG 13
-TR: PACKAGING OPTION
(QTE-060-01-XXX-D-LC-TR SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(60 POS MAX)
(40 POS MAX WITH -GP OPTION)
(NOT AVAILABLE ON LEAD SYTLES -05, -06, -07 & -08)



DIRECTION OF UN-REELING — OCKET NOT DETAILED	- ►

CRITICAL DIMENSION INSPECTION INSTRUCTION TABLE		
ASSEMBLY OPERATION	IN PROCESS INSPECTION	
FILL T-1SXX	C1, C2, C3, C4, C5	
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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