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TABLE 1						MATED HEIGHT
STYLE	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]			

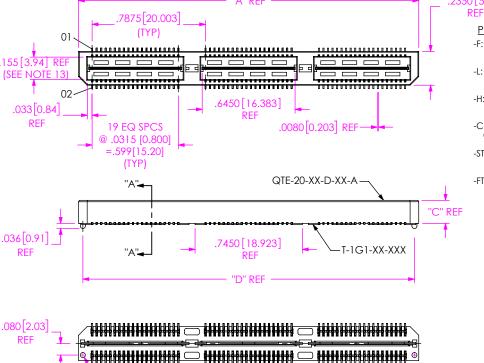
TABLE 2			
No OF POSITIONS	COPLANARITY		
NO OF POSITIONS	INCLUDING GP		
-020 THRU -060	.004 [0.10]		
-080 THRU -100	.006 [0.15]		

FIG 1

-A: ALIGNMENT PIN OPTION

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

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



# NOTES:

- (C) 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
- 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 RETENTION TO BODY TO BE 1.0 LBF.
- 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.
- 16. -TR OPTION ORDERS INVOLVING PARTIAL REEL QUANTITIES MAY BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.

·Ø.035[0.89] REF

17. -FR OPTIONS WILL BE SHIPPED AT THE MAX QUANTITY PER REEL. BASED ON OPTIONS SELECTED.

## QTE-XXX-XX-XXX-D-XXX

**OPTION** 

-A: ALIGNMENT PINS

-K: POLYIMIDE FILM

(60 POS. MAX)

(SÉE NOTE 16)

(USE LC-08-TM-01)

(SEE FIG 2, SHT 2)

-LC: LOCKING CLIPS (SEE NOTE 12)

N/A ON STYLE -07 & -08)

-TR: TAPE & REEL (SEE FIG 13, SHT 7)

-GP: GUIDE POSTS (SEE FIG 4, SHT 3)

(AVAILABLE ON -01 ONLY)

(T & R PACK: 40 POS. MÁX.)

(AVAILABLE ON -01 ONLY)

(USE QTE-20-01-D-XX-SD)

MUST USE -A OPTION)

-FR: FULL REEL QTY. TAPE & REEL

OR -RT1)

(60 POS. MAX)

(SEE NOTE 17)

-SD: SCREW DOWN (SEE FIG 5, SHT 3)

-FL: FRICTION LOCKS (SEE FIG 9, SHT 5) (ONLY AVAILABLE ON -01 & -02)

(NOT AVAILABLE WITH -GP, -SD)

NOT AVAILABLE ON -100 POST

-RT1: RETENTION OPTION (SEE FIG 11, SHT 6)

(ONLY AVAILABLE ON -01 LEAD STYLE)

-L: LATCHING OPTION (40 POS. MAX.) (SEE FIG 12, SHT 6) (MUST USE -A OPTION) (AVAILABLE ON -01 ONLY)

40 POS. MAX FOR -GP OPTION)

(N/A ON STYLE -05, -06, -07, & -08)

(NOT AVAILABLE WITH -LC, -GP, -SD, -FL,

(USE QTE-20-01-D-XX-A-RT1 & T-1R36-01-F) (NOT AVAILABLE WITH -LC, -GP, -SD, OR -FL)

USE QTE-20-01-D-XX-GP)

40 POS. MAX FOR -GP OPTION)

N/A ON STYLE -05, -06, -07, & -08)

USE K-DOT-.276-.375-.005, SEE FIG 3, SHT 2)

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]

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 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-

155±.005 [3.937±0.127] T-1SXX-XX-XXX (SEE NOTE 13) (SEE TABLE 1) "B"<sup>+.003</sup> [0.08] .035 0.90 REF (SEE NOTES 6 & 9) .015[0.38] REF

SECTION "A"-"A"

PROPRIETARY NOTE

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: ANGLES DECIMALS .XX: ±.01 [0.3] 2° .XXX: ±.005 [0.13]

.XXXX: ±.0020 [0.051]

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.8mm DOUBLE ROW HS TERMINAL ASSEMBLY

520 PARK EAST BLVD, NEW ALBANY, IN 47150

FAX: 812-948-5047

code 55322

DESCRIPTION

QTE-XXX-XX-XXX-D-XXX

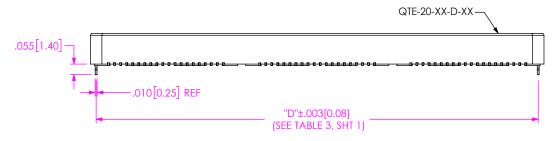
BY: DEAN P 09-14-2010 | SHEET 1 OF 7

INSULATOR: LCP, UL94V-0; COLOR: BLACK

TERMINAL: PHOS BRONZE GROUND PLANE: PHOS BRONZE

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

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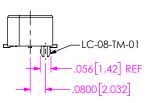
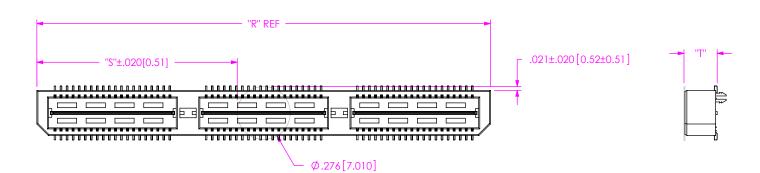


FIG 2
-LC: LOCKING CLIP OPTION
(QTE-060-01-XXX-D-LC SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

TABLE 4								
No OF POS	"R"			"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

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]			





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.8mm DOUBLE ROW HS TERMINAL ASSEMBLY

QTE-XXX-XX-XXX-D-XXX

SHEET SCALE: 2:1

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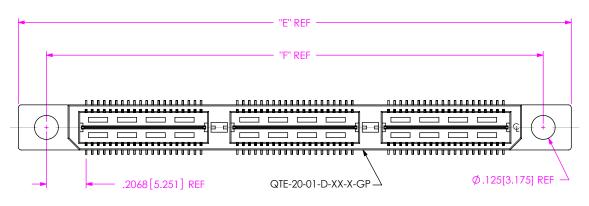
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BY: DEAN P

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]			



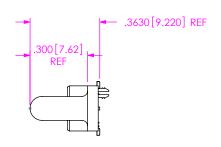


FIG 4 -GP: GUIDE POST OPTION (QTE-060-01-XXX-D-GP SHOWN) (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1) (AVAILABLE ON STYLE -01 ONLY)

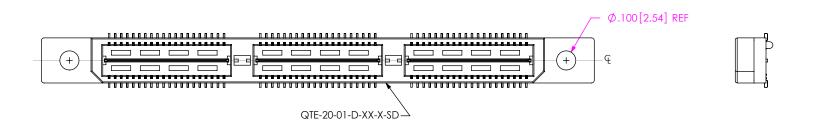


FIG 5 -SD: SCREW DOWN OPTION (QTE-060-01-XXX-D-A-SD SHOWN) (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 4) (AVAILABLE ON STYLE -01 ONLY)

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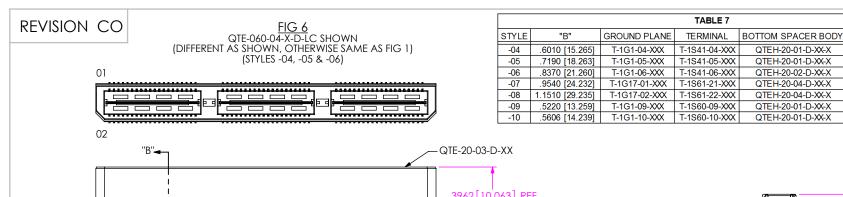
DO NOT SCALE DRAWING

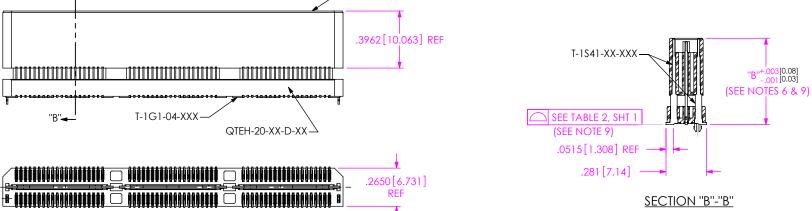
SHEET SCALE: 2:1

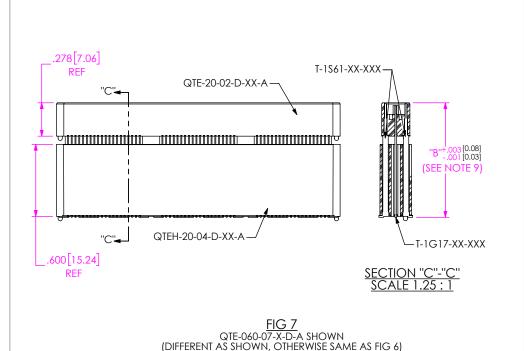
.8mm DOUBLE ROW HS TERMINAL ASSEMBLY

QTE-XXX-XX-XXX-D-XXX BY: DEAN P 09-14-2010 | SHEET 3 OF 7

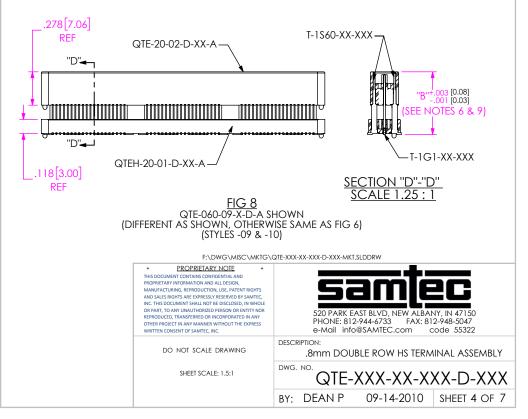
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(STYLES -07 & -08)



MATED HEIGHT

WITH QSE-01

.630[16.00] REF

.748[19.00] REF

.866[22.00] REF

.984[25.00] REF

1.181[30.00] REF

.551[14.00] REF

.591[15.00] REF

TOP BODY

QTE-20-03-D-XX-X

QTE-20-03-D-XX-X

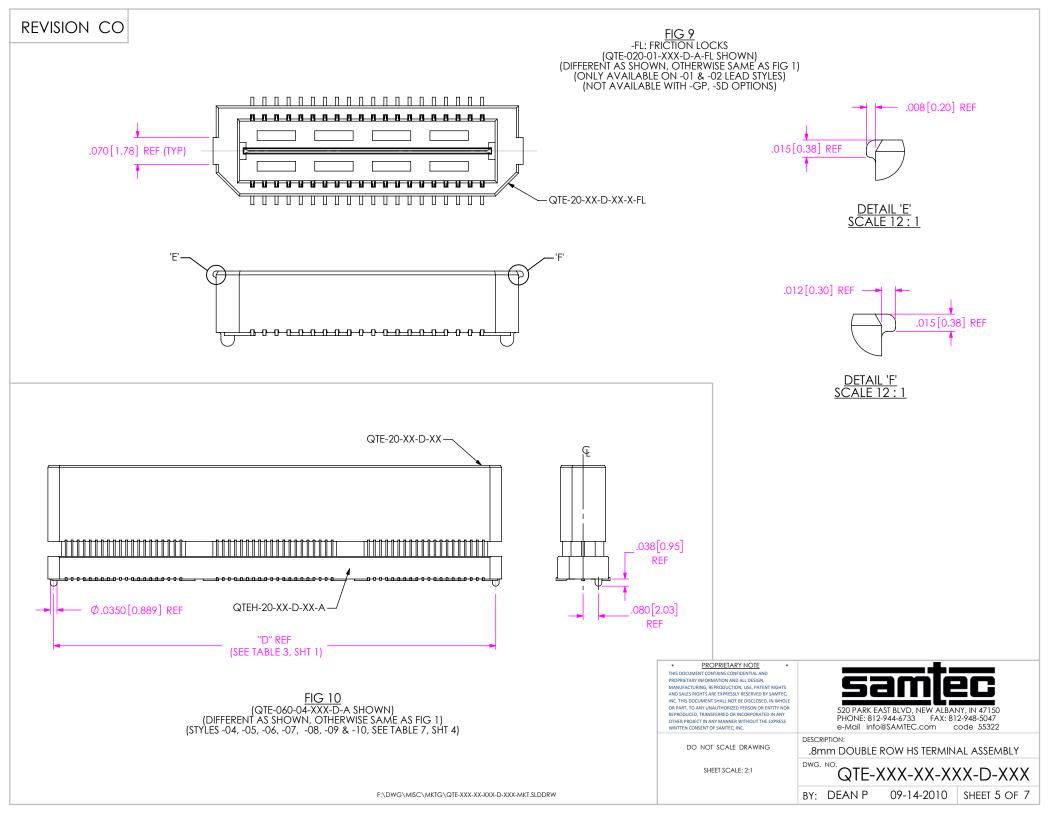
QTE-20-03-D-XX-X

QTE-20-02-D-XX-X

QTE-20-02-D-XX-X

QTE-20-02-D-XX-X

QTE-20-02-D-XX-X



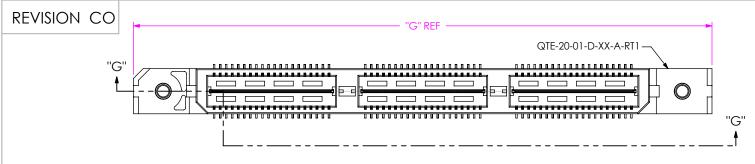
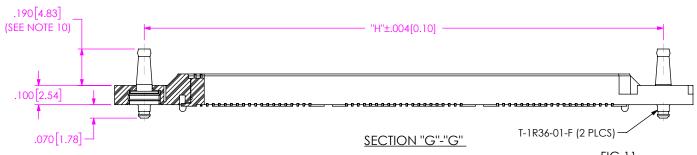


	TABLE 8			
POS	"G"	"H"		
-020	1.438 [36.53]	1.129 [28.68]		
-040	2.226 [56.53]	1.917 [48.68]		
-060	3.013 [76.53]	2.704 [68.68]		
-080	3.801 [96.53]	3.492 [88.68]		
-100	N/A	N/A		



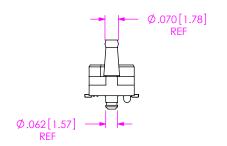


FIG. 1.1

-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)

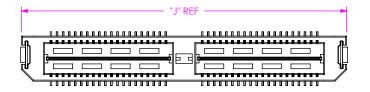
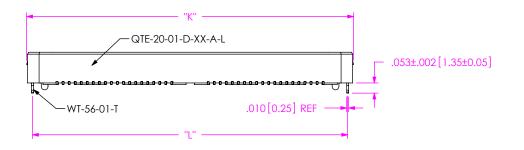


TABLE 9						
POS	"J"	"K"	"L"			
-020	.906 [23.00]	.915 [23.24]	.854 [21.69]			
-040	1.693 [43.00]	1.703 [43.24]	1.642 [41.69]			
-060	N/A	N/A	N/A			
-080	N/A	N/A	N/A			
-100	N/A	N/A	N/A			



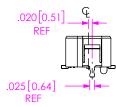


FIG 12

-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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DESCRIPTION:

.8mm DOUBLE ROW HS TERMINAL ASSEMBLY

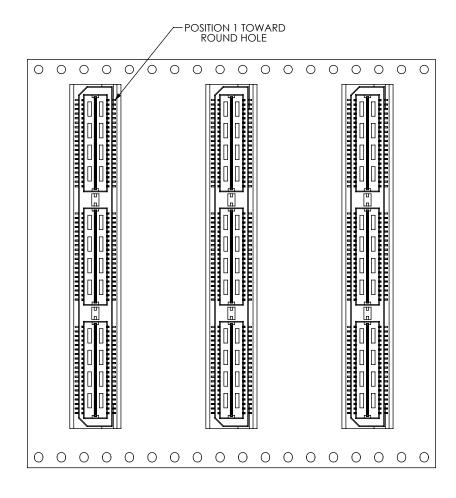
QTE-XXX-XX-XXX-D-XXX

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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)



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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DESCRIPTION:

.8mm DOUBLE ROW HS TERMINAL ASSEMBLY

OTE-XXX-XX-XXX-D-XXX

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