

◇ = ASO ONLY (APPLICATION SPECIFIC ORDER)

CQTE-XXX-XX-X-D-DP-XX

No OF POSITIONS  
-014, -028, -042,  
-056, -070  
(PER ROW)

OPTION  
-A: ALIGNMENT PINS  
-LC: LOCKING CLIPS  
(USE LC-08-TM-01)  
BODY STYLE  
-DP: DIFFERENTIAL PAIRS

LEAD STYLE

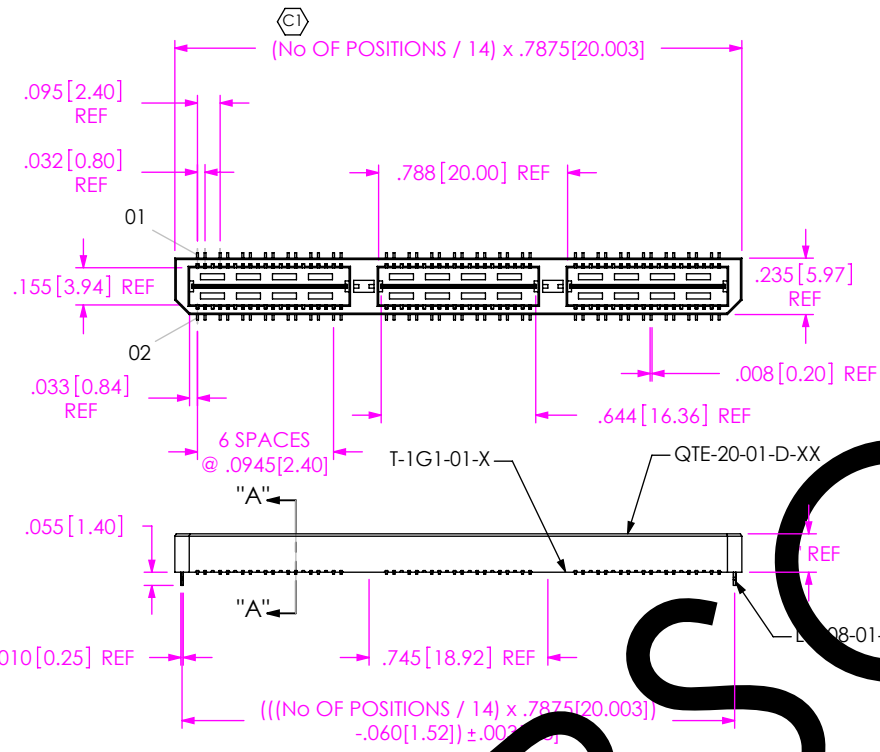
- 01: .1680 [4.267] (SEE FIG.1)
- 02: .2861 [7.264] (SEE FIG.1)
- 03: .4042 [1.123] (SEE FIG.1)
- 04: .600 [15.24] (SEE FIG. 4, SHT. 3)
- 05: .718 [18.237] (SEE FIG. 4, SHT. 3)
- 06: .835 [21.209] (SEE FIG. 4, SHT. 3)
- 07: .954 [24.232]
- 08: 1.151 [29.24]
- 09: .522 [13.258]
- 10: .5606 [14.239]

ROW SPECIFICATION  
-D: DOUBLE (USE QTE-20-XX-D-XX & QTEH-20-XX-D-XX)

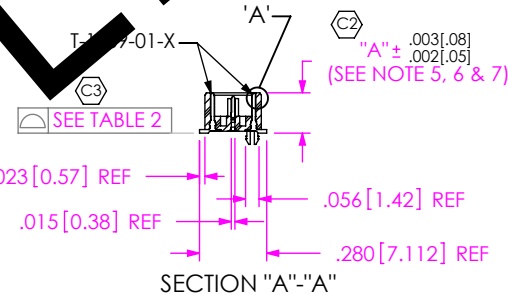
No OF BANKS

PLAIN SPECIFICATION  
-C: ELECTRO-POLISHED REFLECTIVE  
(USE T-15-XXX-C, T-15-1-XX-G)

DO NOT SCALE FROM THIS PRINT



BOBSON LETTERS



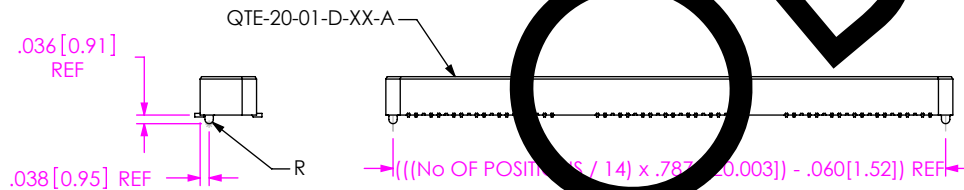
- NOTES:
- ① REPRESENTS A CRITICAL DIMENSION.
  - MINIMUM TERMINAL RETENTION: 5 OZ.
  - MINIMUM GROUND PLANE RETENTION: 1 LB.
  - PARTS TO BE MOLDED TO POSITION.
  - MAXIMUM VARIANCE OF .002 [0.05].
  - DIMENSION APPLIES TO TERMINALS AND GROUND PLANE.
  - GROUND PLANE PRESS HEIGHT MUST BE .003 [0.08] LESS THAN THE MAX HEIGHT OR .001 [0.03] GREATER THAN THE MINIMUM HEIGHT OF THE TERMINALS.

DETAIL 'A'  
SCALE 6 : 1

-LC: LOCKING CLIP OPTION SHOWN

FIG. 1

CQTE-042-01-X-D-DP-LC SHOWN



-A: ALIGNMENT PIN OPTION SHOWN  
(STYLES -01, -02 & -03)

TABLE 2	
No OF POSITIONS	COPLANARITY (INCLUDES GROUND PLANE)
-014 THRU -042	.0040 [.10]
-056 THRU -070	.0060 [.15]

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

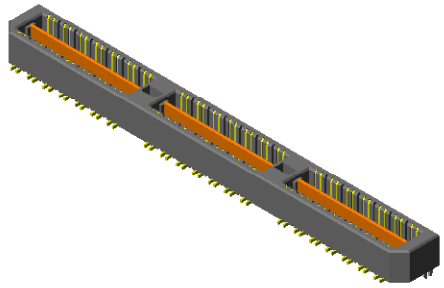
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE:  
DECIMALS: .XX: ±.01 [.3]  
.XXX: ±.005 [.13]  
.XXXX: ±.0020 [.051]

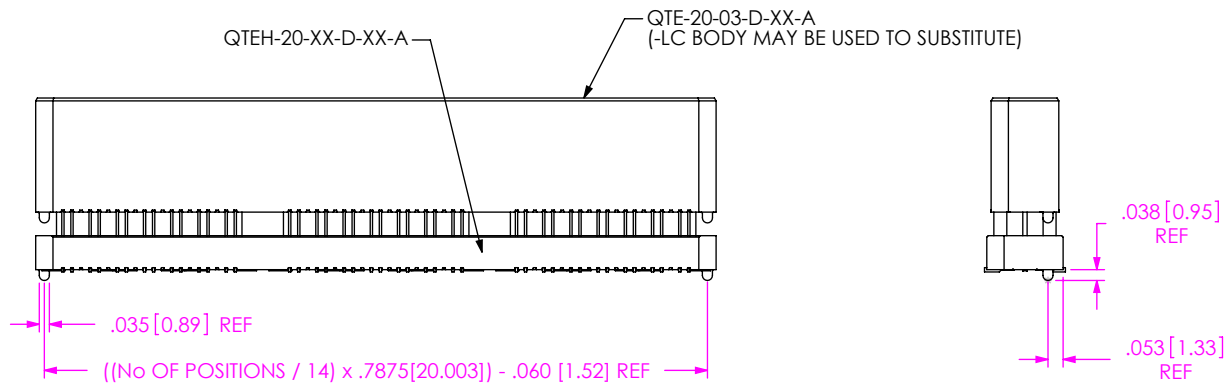
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520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code: 55322

MATERIAL: DO NOT SCALE DRAWING	SHEET SCALE: 1.25:1	DESCRIPTION: .8mm DIFFERENTIAL PAIRS HS TERMINAL ASSEMBLY
INSULATOR: LCP, BLACK TERMINAL: PHOS BRONZE GROUND PLANE: PHOS BRONZE	DWG. NO. CQTE-XXX-XX-X-D-DP-XX	BY: B. COOPER 10/8/2007 SHEET 1 OF 3





-A: ALIGNMENT PIN OPTION  
 (STYLES -04, -05, -06, -07, -08, -09, -10)

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

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SHEET SCALE: 2:1



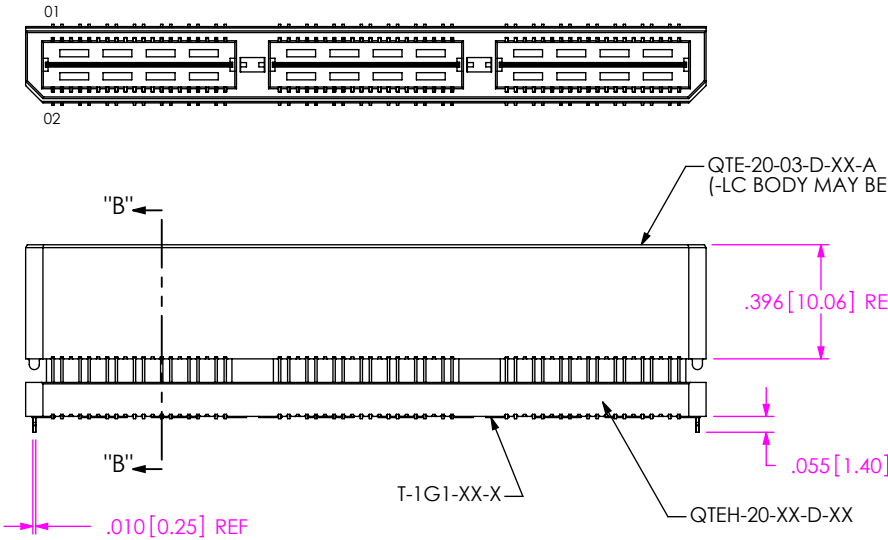
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 PHONE: 812-944-6733 FAX: 812-948-5047  
 e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:  
 .8mm DIFFERENTIAL PAIRS HS TERMINAL ASSEMBLY

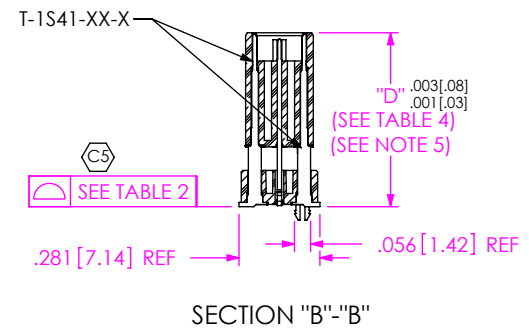
DWG. NO.  
**CQTE-XXX-XX-X-D-DP-XX**

BY: B. COOPER 10/8/2007 SHEET 2 OF 3

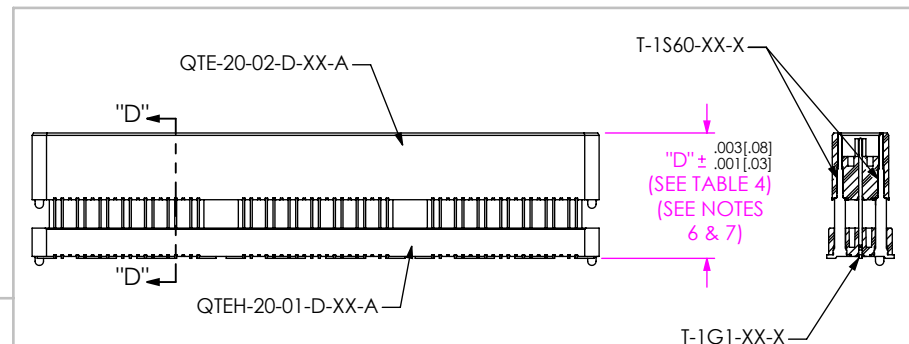
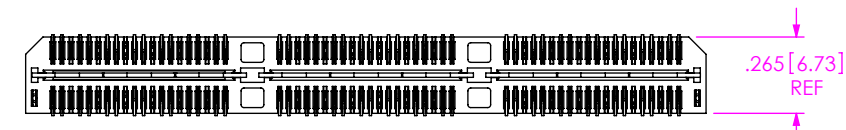
TABLE 4						MATED HEIGHT WITH QSE-DP-01
STYLE	"D"	GROUND PLANE	TERMINAL	FILLER BODY	SPACER BODY	
-04	.600[15.24]	T-1G1-04-X	T-1S41-04-X	QTE-20-03-D-XX	QTEH-20-01-D-XX-X	.630 [16.00] REF
-05	.718[18.237]	T-1G1-05-X	T-1S41-05-X	QTE-20-03-D-XX	QTEH-20-01-D-XX-X	.748 [19.00] REF
-06	.835[21.209]	T-1G1-06-X	T-1S41-06-X	QTE-20-03-D-XX	QTEH-20-02-D-XX-X	.866 [22.00] REF
-07	.954[24.232]	T-1G17-01-X	T-1S61-01-X	QTEH-20-04-D-XX-X	QTE-20-02-D-XX-X	.984 [25.00] REF
-08	1.151[29.24]	T-1G17-02-X	T-1S54-02-X	QTEH-20-04-D-XX-X	QTE-20-02-D-XX-X	1.181 [30.00] REF
-09	.522[13.259]	T-1G1-09-X	T-1S60-09-x	QTEH-20-01-D-XX-X	QTE-20-02-D-XX-X	.551[14.00] REF
-10	.5606[14.239]	T-1G1-10-X	T-1S60-10-x	QTEH-20-01-D-XX-X	QTE-20-02-D-XX-X	.591[15.00] REF



**FIG. 2**  
CQTE-042-04-X-D-DP-LC SHOWN  
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)  
(STYLES -04, -05, & -06)

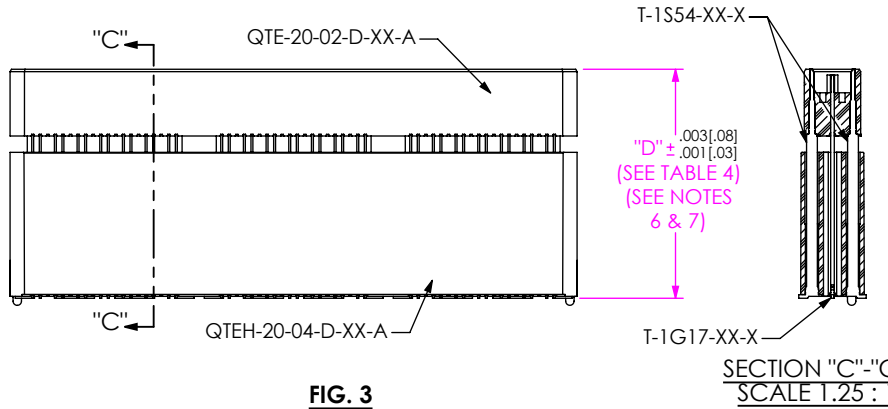


-LC: LOCKING CLIP OPTION SHOWN



**FIG. 4**  
CQTE-042-09-X-D-DP-A SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 2)  
(STYLES -09 & -10)

SECTION "D"-"D"  
SCALE 1.25 : 1



**FIG. 3**  
CQTE-042-07-X-D-DP-A SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 2)  
(STYLES -07 & -08)

SECTION "C"-"C"  
SCALE 1.25 : 1

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DO NOT SCALE DRAWING

SHEET SCALE: 1.5:1

DESCRIPTION:  
.8mm DIFFERENTIAL PAIRS HS TERMINAL ASSEMBLY

DWG. NO.  
**CQTE-XXX-XX-X-D-DP-XX**

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