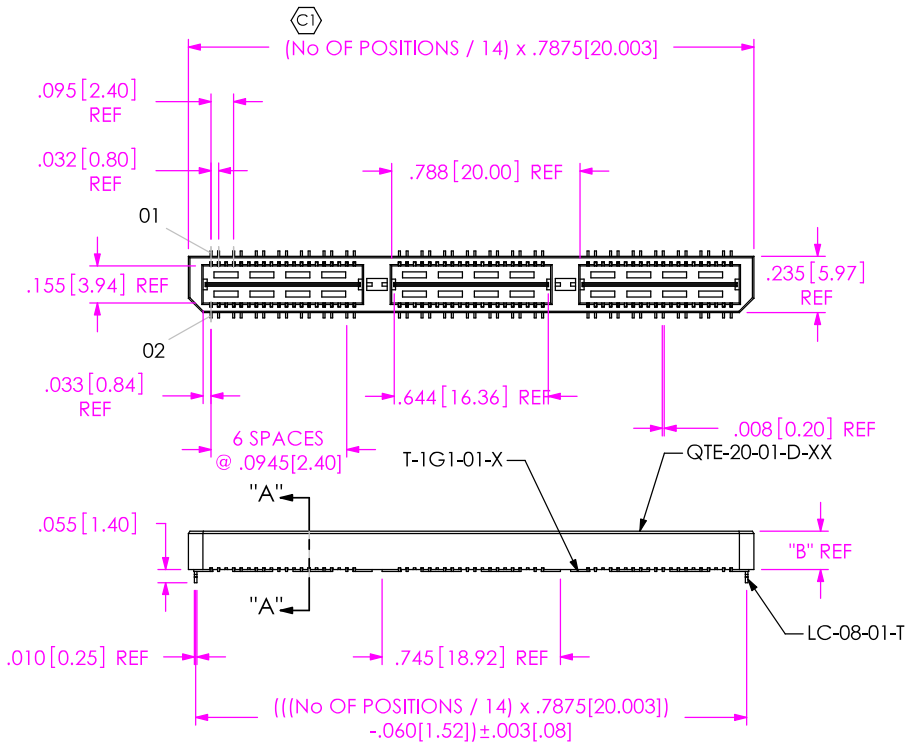


⊠ = ASO ONLY (APPLICATION SPECIFIC ORDER)

* = NOT RELEASED FOR PRODUCTION

DO NOT SCALE FROM THIS PRINT



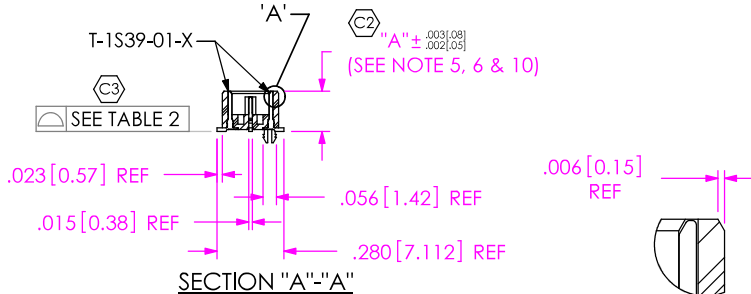
-LC: LOCKING CLIP OPTION SHOWN

FIG. 1

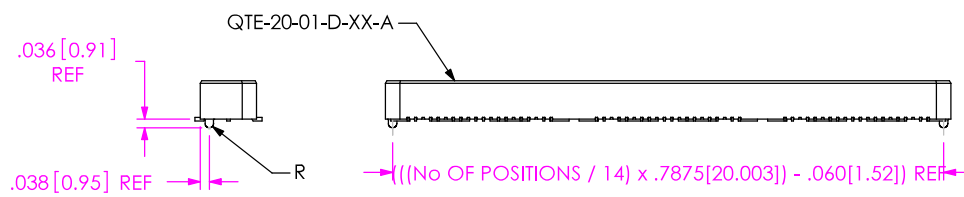
QTE-042-01-X-D-DP-LC SHOWN

QTE-XXX-XX-X-D-DP-XX

- No OF POSITIONS**
 - 014, -028, -042, -056, -070 (PER ROW)
- LEAD STYLE**
 - 01: .1680 [4.267] (SEE FIG.1)
 - 02: .2861 [7.264] (SEE FIG.1)
 - 03: .4042 [10.267] (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] (SEE FIG. 4, SHT. 3)
 - 08: 1.151 [29.24] (SEE FIG. 4, SHT. 3)
 - 09: .522 [13.258] (SEE FIG. 4, SHT. 3)
 - 10: .5606 [14.239] (SEE FIG. 4, SHT. 3)
- OPTION**
 - A: ALIGNMENT PINS
 - LC: LOCKING CLIPS (USE LC-08-TM-01)
 - K: POLYAMIDE FILM (USE K-500-300) (SEE FIG. 2, SHT. 2) (N/A ON STYLES -07 & -08)
 - GP: GUIDE POSTS (AVAILABLE ON -01 ONLY) (USE QTE-20-01-D-XX-X-GP) (SEE FIG. 3, SHT. 2)
 - TR: TAPE & REEL (42 POS. MAX) (NOT AVAILABLE ON -05, -06, -07, -08 LEAD STYLES) (028 POS MAX FOR -GP OPTION)
 - TY: TRAY PACKAGING (NOT AVAILABLE FOR -TR)
 - RT1: RETENTION OPTION (SEE FIG. 7, SHEET 4) (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 -056 & -070 POS)
- PLATING SPECIFICATION**
 - F: FLASH SELECTIVE GOLD (USE T-1SXX-XX-F, T-1G1-XX-F)
 - L: LIGHT SELECTIVE GOLD (USE T-1SXX-XX-L, T-1G1-XX-G)
 - H: HEAVY GOLD (USE T-1SXX-XX-H, T-1G1-XX-G)
- BODY STYLE**
 - DP: DIFFERENTIAL PAIRS
- ROW SPECIFICATION**
 - D: DOUBLE (USE QTE-20-XX-D-XX & QTEH-20-XX-D-XX)



- NOTES:
1. ⊕ REPRESENTS A CRITICAL DIMENSION.
 2. MINIMUM TERMINAL RETENTION: 5 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. DELETED.
 8. DELETED.
 9. -L PLATING CAN BE SUBSTITUTED FOR -F PLATING.
 10. 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.
 11. T-1R36 RETENTION TO BODY TO BE 1.0 LBF.



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

TABLE 2	
COPLANARITY (INCLUDES GROUND PLANE)	
No OF POSITIONS	
-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	ANGLES
.XX: ±.01 [.3]	2°
.XXX: ±.005 [.13]	
.XXXX: ±.0020 [.051]	

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* 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

INSULATOR: LCP, BLACK
TERMINAL: PHOS BRONZE
GROUND PLANE: PHOS BRONZE

DESCRIPTION:
.8mm DIFFERENTIAL PAIRS HS TERMINAL ASSEMBLY

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

BY: DEAN P 4/28/2000 SHEET 1 OF 4

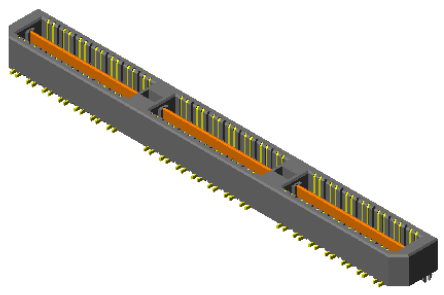


FIG. 2

-K: POLYAMIDE FILM PAD
[USE K-500-300]

NOTE: "R" = (No OF POSITIONS / 14) x .7875[20.003]
"S" = (("R" - .275[6.99]) / 2) ±.020[.51]

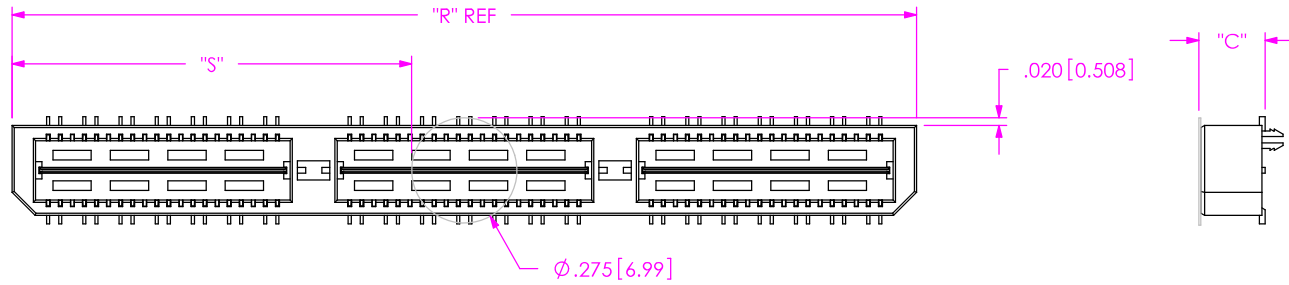
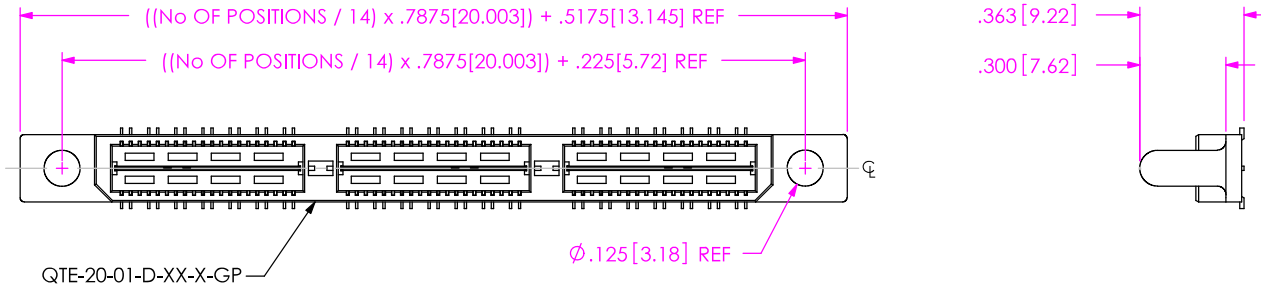


TABLE 3

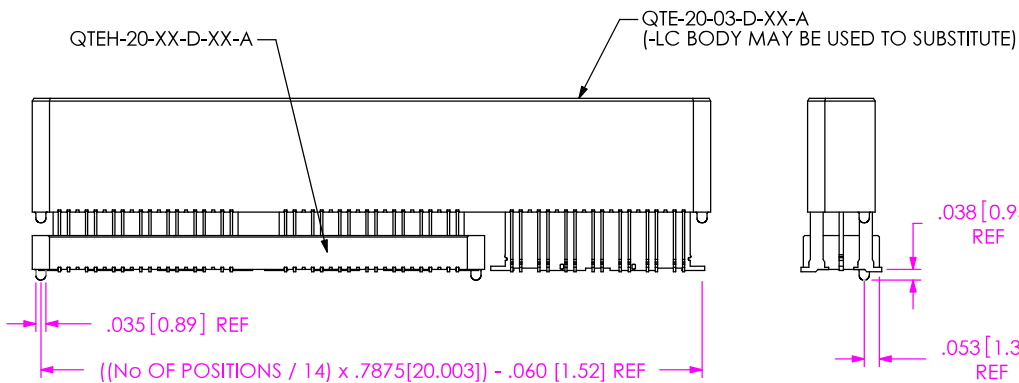
STYLE	"C"
-01	.173[4.39]
-02	.291[7.39]
-03	.409[10.39]
-04	.605[15.37]
-05	.723[18.36]
-06	.841[21.36]
-09	.527[13.39]
-10	.567[14.37]

FIG. 3

-GP: GUIDE POST OPTION
(-01 LEAD STYLE ONLY)
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)



QTE-20-01-D-XX-X-GP



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

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SHEET SCALE: 2:1

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e-Mail: INFO@SAMTEC.COM CODE: 55322

DESCRIPTION:
.8mm DIFFERENTIAL PAIRS HS TERMINAL ASSEMBLY

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

BY: DEAN P 4/28/2000 SHEET 2 OF 4

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

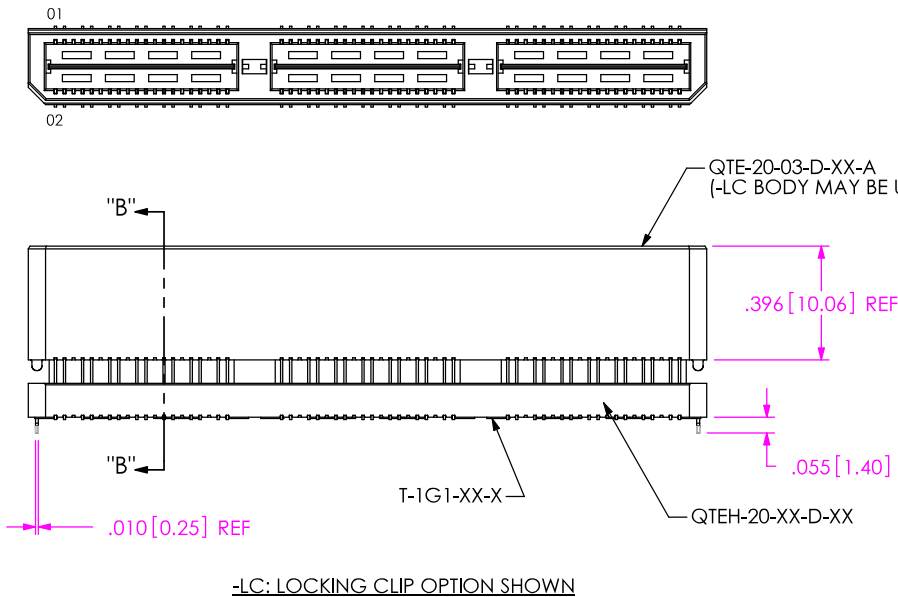


FIG. 4
QTE-042-04-X-D-DP-LC SHOWN
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)
(STYLES -04, -05, & -06)

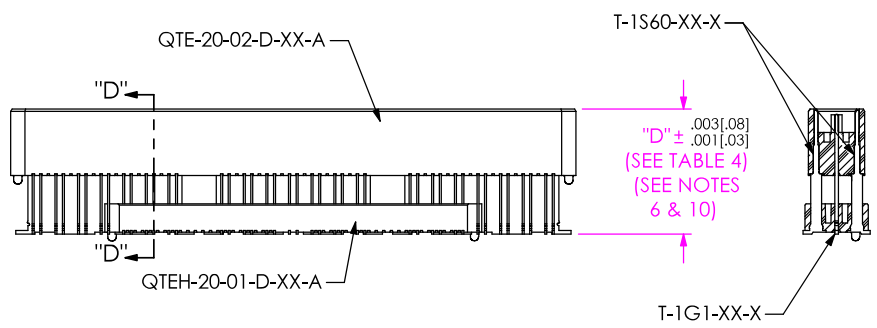
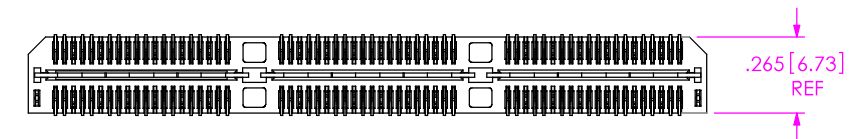
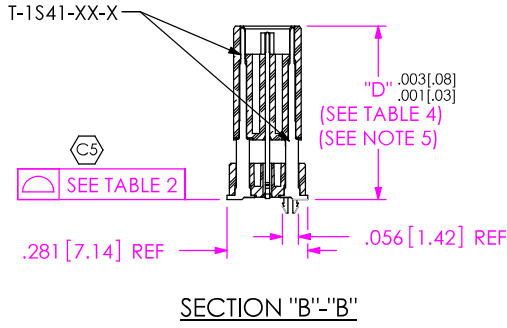


FIG. 6
QTE-042-09-X-D-DP-A SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 4)
(STYLES -09 & -10)

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

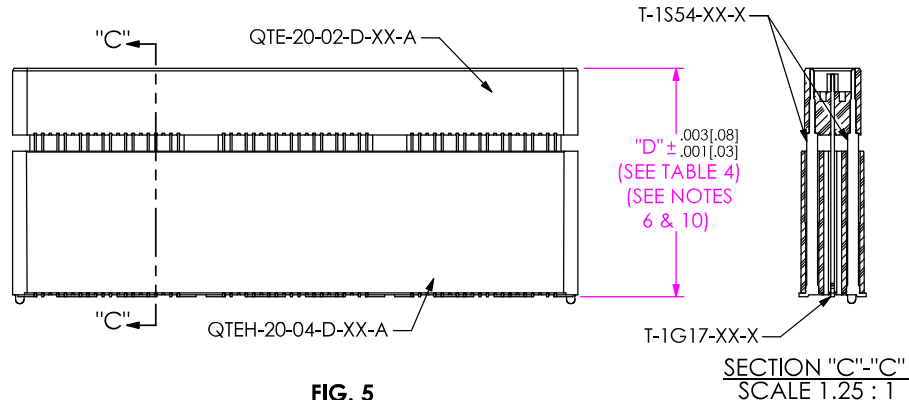


FIG. 5
QTE-042-07-X-D-DP-A SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 4)
(STYLES -07 & -08)

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

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SHEET SCALE: 1.5:1

DESCRIPTION:
.8mm DIFFERENTIAL PAIRS HS TERMINAL ASSEMBLY

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

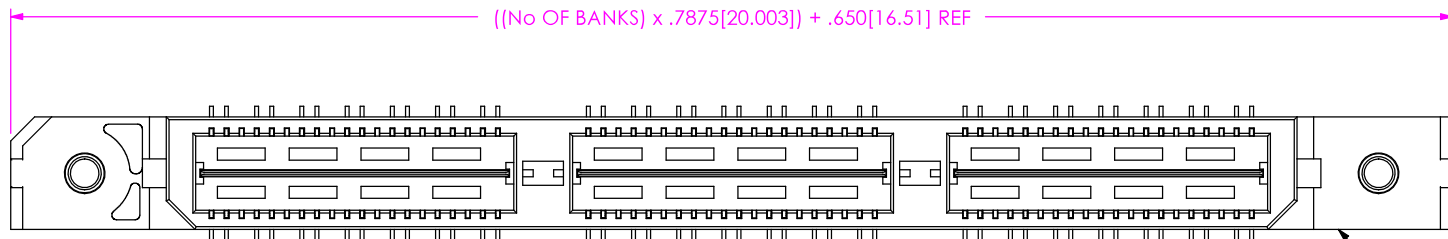
BY: DEAN P 4/28/2000 SHEET 3 OF 4

W

FIG. 7

-RT1: RETENTION OPTION
 (ONLY AVAILABLE ON -01 LEAD STYLE)(MUST USE -A OPTION)
 (NOT AVAILABLE WITH -LC, -GP, -SD, OR -FL OPTIONS)
 (NOT AVAILABLE ON -056 & -070 POSITIONS)
 (SAME AS FIG. 1, UNLESS OTHERWISE STATED)

W

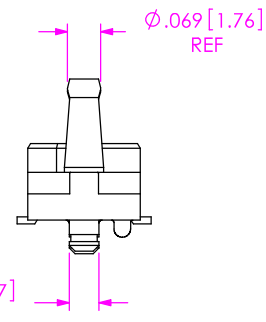
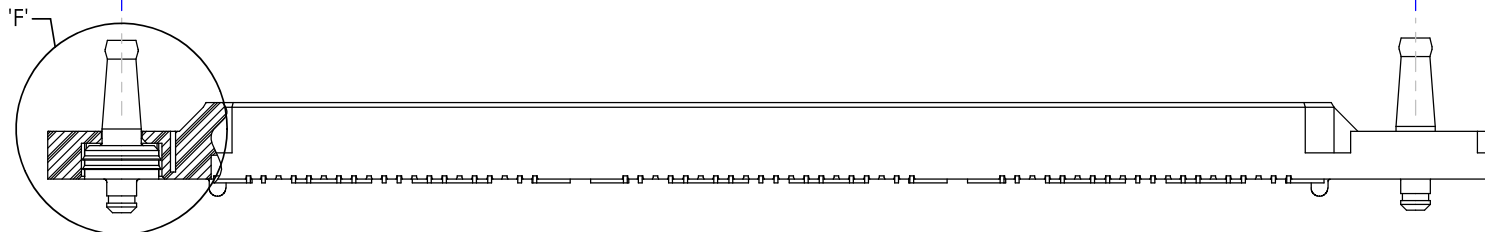


QTE-20-01-D-XX-A-RT1

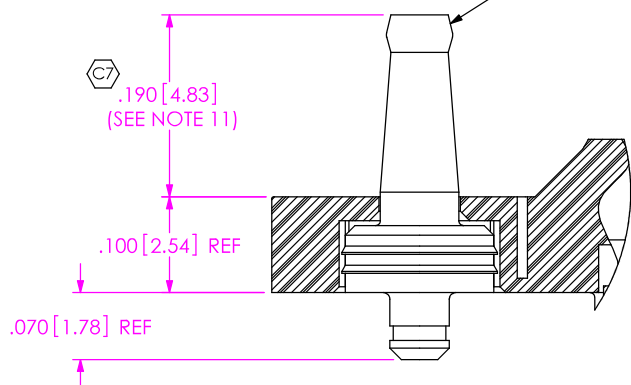
C6

W

(((No OF BANKS) x .7875[20.003]) + .341[8.66]) ±.004[0.10]



T-1R36-01-F (2X)



DETAIL 'F'
 SCALE 5 : 1

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DESCRIPTION:
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DWG. NO. **QTE-XXX-XX-X-D-DP-XX**

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