

DO NOT SCALE FROM THIS PRINT

QFS-XXX-XX-X-D-DP-X-XXX

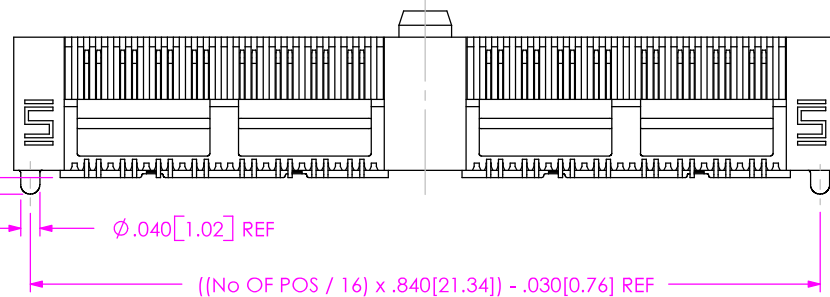
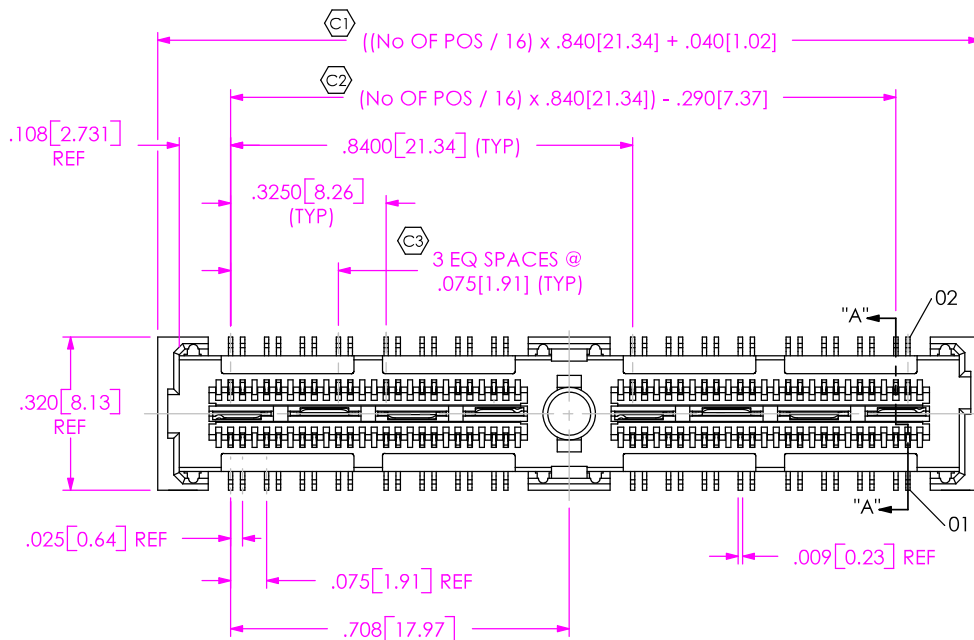
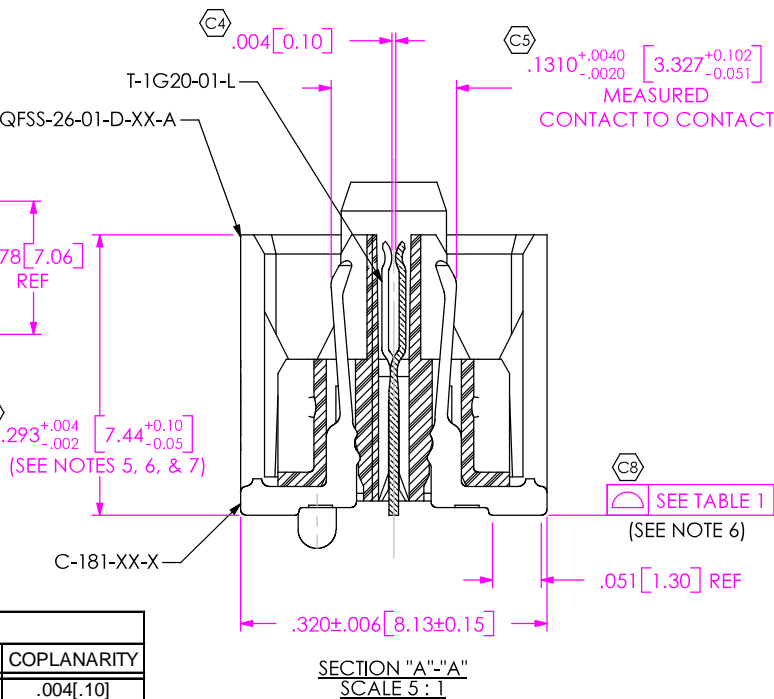


FIG. 1
QFS-032-01-X-D-DP-A SHOWN



OPTION

No OF POSITIONS
-016, -032, -048, -64, *-80 (PER ROW)

LEAD STYLE
-01

PLATING SPECIFICATION
-L: LIGHT GOLD (USE C-181-01-L)
-H: HEAVY GOLD (USE C-181-01-H)
(ALL PLATING STYLES USE T-1G20-01-L)

ROW SPECIFICATION
-D: DOUBLE

* = NOT TOOLED
** = NOT RELEASED

OPTION

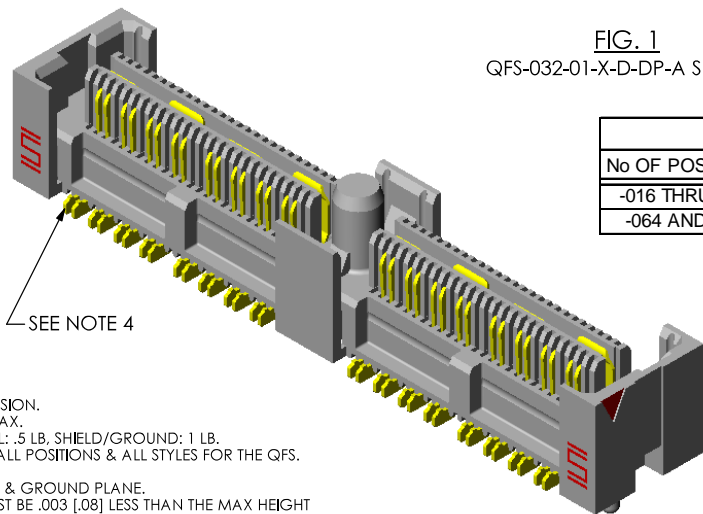
-PC4: 4 POWER POS PER END (SEE FIG. 3, SHEET 3)
-PC8: 8 POWER POS PER END (SEE FIG. 3, SHEET 3)
[-PCX NOT AVAILABLE WITH -GP]
[-PCX AVAILABLE ON POSITIONS -016, -032 & -048 ONLY]
-RF1: 1 RF POS PER END (SEE FIG. 4, SHEET 4)
-RF2: 2 RF POS PER END (SEE FIG. 5, SHEET 4)
-RT1: 1 RT POS PER END (SEE FIG. 6, SHEET 5)

OPTION

-A: ALIGNMENT PIN
-GP: GUIDE POSTS (SEE FIG. 2, SHEET 2) [NOT AVAILABLE WITH -PCX]

-DP: DIFFERENTIAL PAIRS

| TABLE 1 | | |
|-----------------|-------------|-------------|
| No OF POSITIONS | No OF BANKS | COPLANARITY |
| -016 THRU -048 | 1 THRU 3 | .004[.10] |
| -064 AND -080 | 4 AND 5 | .006[.15] |



- NOTES:
- ① REPRESENTS A CRITICAL DIMENSION.
 - BURR ALLOWANCE: .0015[0.038] MAX.
 - MINIMUM PUSHOUT FORCE: SIGNAL: .5 LB, SHIELD/GROUND: 1 LB.
 - CONTACTS WILL BE SHEARED FOR ALL POSITIONS & ALL STYLES FOR THE QFS.
 - MAX VARIANCE OF .002[0.05].
 - DIMENSION APPLIES TO CONTACTS & GROUND PLANE.
 - GROUND PLANE PRESS HEIGHT MUST BE .003 [.08] LESS THAN THE MAX HEIGHT OR .001 [.03] GREATER THAN THE MINIMUM HEIGHT OF THE TERMINAL.
 - PARTS TO BE PACKAGED IN TRAYS

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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MATERIAL: DO NOT SCALE DRAWING
INSULATOR: VECTRA E130, COLOR: BLACK
CONTACTS & GROUND PLANE: PHOS BRONZE

SHEET SCALE: 2.5:1

SAMTEC
520 PARK EAST BLVD, NEW ALBANY, IN 47150
* PHONE: 812.944.6733 FAX: 812.948.5047
e-Mail: INFO@SAMTEC.COM CODE: 55322

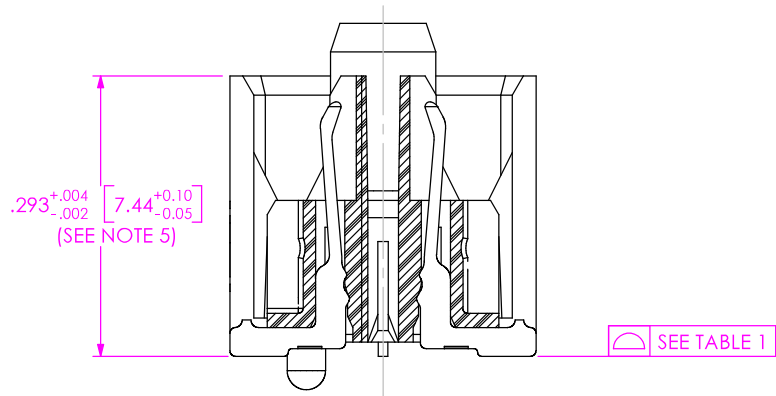
DESCRIPTION:
.635mm DIFFERENTIAL PAIRS TERMINAL STRIP

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

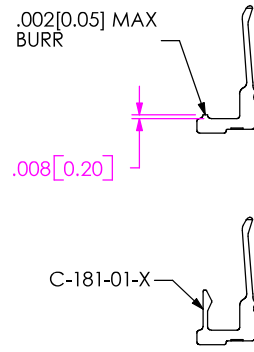
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IN-PROCESS 1

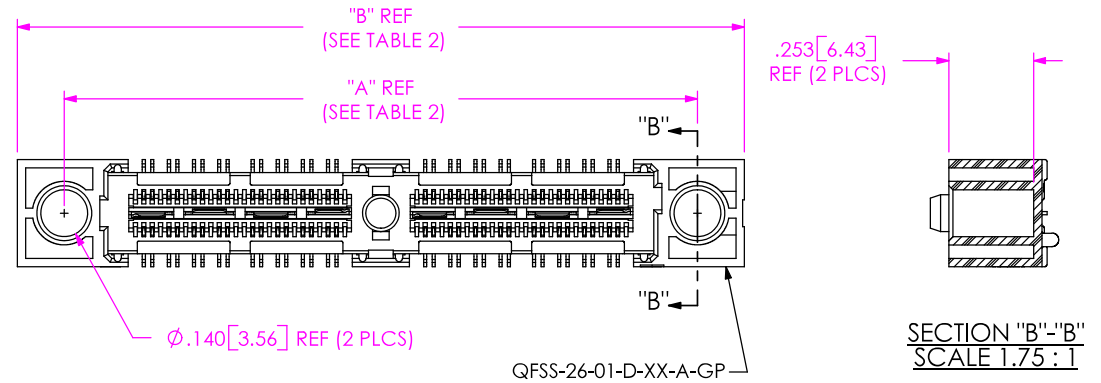


CONTACT DETAILS
SEE NOTE 4
(ALL CONTACTS SHEARED FOR QFS)



| TABLE 2 | | |
|------------------------|---------------|---------------|
| ASSEMBLY | "A" | "B" |
| QFS-016-01-X-D-DP-A-GP | 1.050[26.67] | 1.330[33.78] |
| QFS-032-01-X-D-DP-A-GP | 1.890[48.00] | 2.170[55.12] |
| QFS-048-01-X-D-DP-A-GP | 2.730[69.34] | 3.010[76.45] |
| QFS-064-01-X-D-DP-A-GP | 3.570[90.68] | 3.850[97.79] |
| QFS-080-01-X-D-DP-A-GP | 4.410[112.01] | 4.690[119.13] |

FIG. 2
-GP: GUIDE POST OPTION
(QFS-032-01-X-D-DP-A-GP SHOWN)
(NOT AVAILABLE WITH -PCX OPTIONS)



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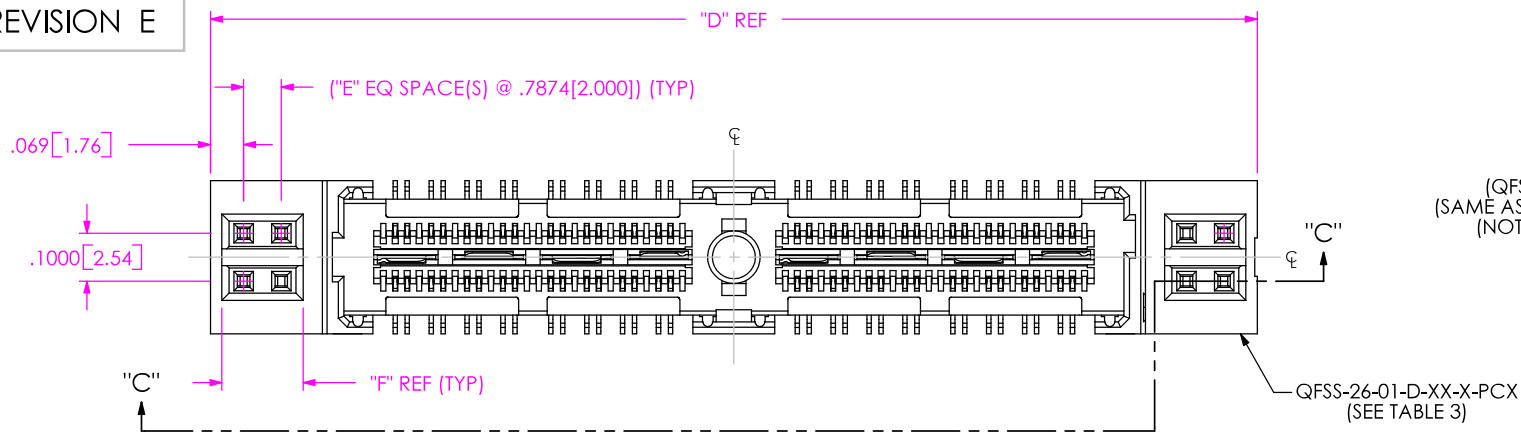
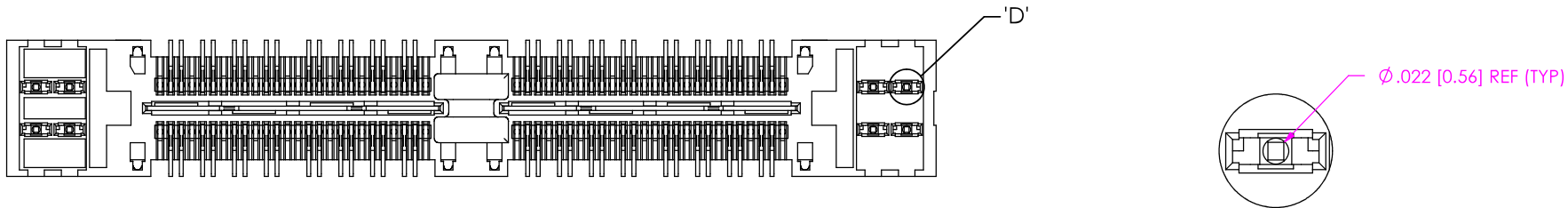
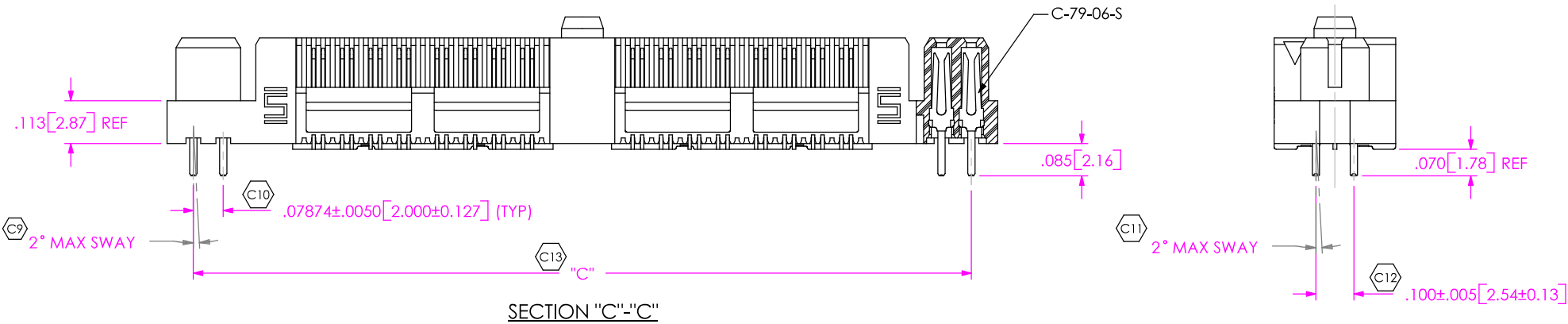


FIG. 3
 POWER COMBO OPTIONS
 (QFS-032-01-X-D-DP-PC4 SHOWN)
 (SAME AS FIG. 1, UNLESS OTHERWISE STATED)
 (NOT AVAILABLE WITH -GP OPTION)



DETAIL 'D'
 SCALE 8:1

TABLE 3

| ASSEMBLY | QFSS-26-01-D-XX-X-PCX | "C" | "D" | "E" | "F" |
|-------------------------|-----------------------|--------------|--------------|-----|------------|
| QFS-016-01-X-D-DP-X-PC4 | QFSS-26-01-D-01-X-PC4 | 1.209[30.70] | 1.347[34.21] | 1 | .170[4.31] |
| QFS-016-01-X-D-DP-X-PC8 | QFSS-26-01-D-01-X-PC8 | 1.524[38.70] | 1.662[42.21] | 3 | .327[8.31] |
| QFS-032-01-X-D-DP-X-PC4 | QFSS-26-01-D-02-X-PC4 | 2.049[52.04] | 2.187[55.55] | 1 | .170[4.31] |
| QFS-032-01-X-D-DP-X-PC8 | QFSS-26-01-D-02-X-PC8 | 2.364[60.04] | 2.502[63.55] | 3 | .327[8.31] |
| QFS-048-01-X-D-DP-X-PC4 | QFSS-26-01-D-03-X-PC4 | 2.889[73.37] | 3.027[76.89] | 1 | .170[4.31] |
| QFS-048-01-X-D-DP-X-PC8 | QFSS-26-01-D-03-X-PC8 | 3.204[81.37] | 3.342[84.89] | 3 | .327[8.31] |

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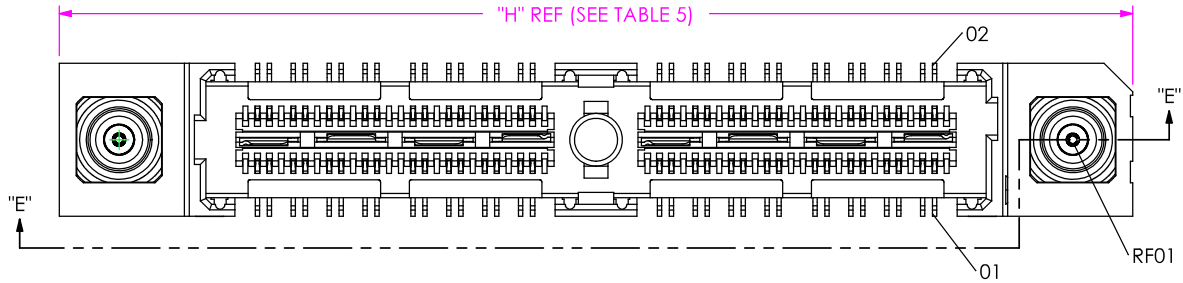
520 PARK EAST BLVD, NEW ALBANY, IN 47150
 * PHONE: 812.944.6733 FAX: 812.948.5047
 e-Mail: INFO@SAMTEC.COM CODE: 55322

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 .635mm DIFFERENTIAL PAIRS TERMINAL STRIP

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

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FIG. 4
 -RF1 OPTION
 (QFS-032-01-X-D-DP-RF1 SHOWN)
 (SAME AS FIG. 3, UNLESS OTHERWISE STATED)
 (NOT AVAILABLE WITH -A OR -GP OPTIONS)
 (AVAILABLE ON POSITIONS -016, -032, & -048 ONLY)



| TABLE 5 | | | |
|-----------------------|---------------------|--------------|--------------|
| ASSEMBLY | QFSS-26-01-D-XX-RFX | "H" | "J" |
| QFS-016-01-X-D-DP-RF1 | QFSS-26-01-D-01-RF1 | 1.403[35.64] | 1.153[29.29] |
| QFS-016-01-X-D-DP-RF2 | QFSS-26-01-D-01-RF2 | 1.903[48.34] | 1.653[41.99] |
| QFS-032-01-X-D-DP-RF1 | QFSS-26-01-D-02-RF1 | 2.243[56.97] | 1.993[50.62] |
| QFS-032-01-X-D-DP-RF2 | QFSS-26-01-D-02-RF2 | 2.743[69.67] | 2.493[63.32] |
| QFS-048-01-X-D-DP-RF1 | QFSS-26-01-D-03-RF1 | 3.083[78.31] | 2.833[71.96] |
| QFS-048-01-X-D-DP-RF2 | QFSS-26-01-D-03-RF2 | 3.583[91.01] | 3.333[84.66] |

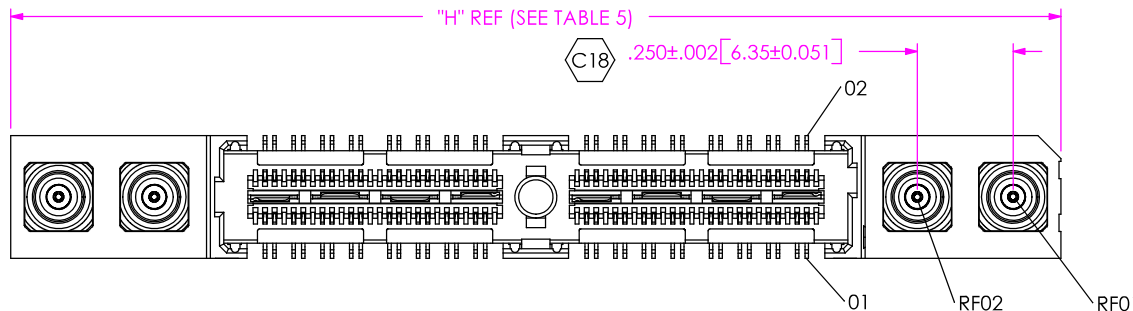
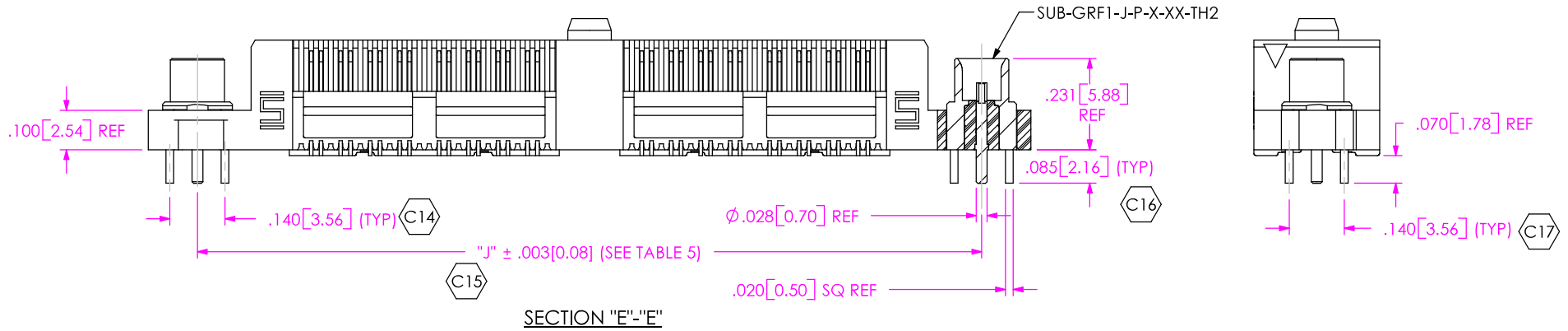
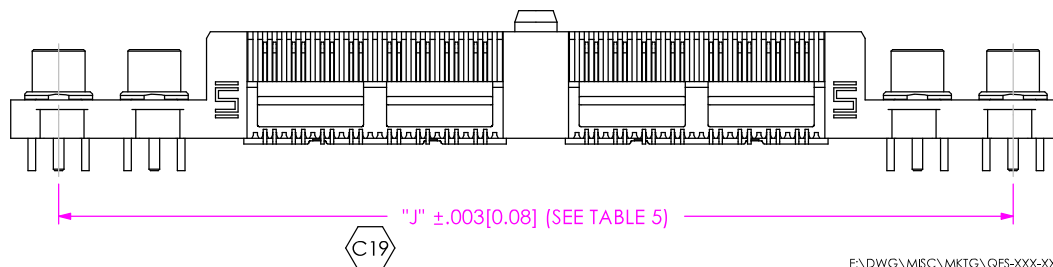


FIG. 5
 -RF2 OPTION
 (QFS-032-01-X-D-DP-RF2 SHOWN)
 (SAME AS FIG. 4, UNLESS OTHERWISE STATED)
 (NOT AVAILABLE WITH -A OR -GP OPTIONS)
 (AVAILABLE ON POSITIONS -016, -032, & -048 ONLY)



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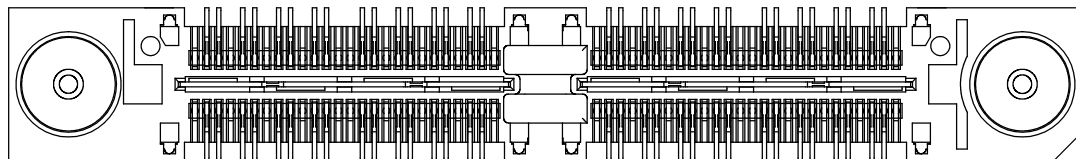
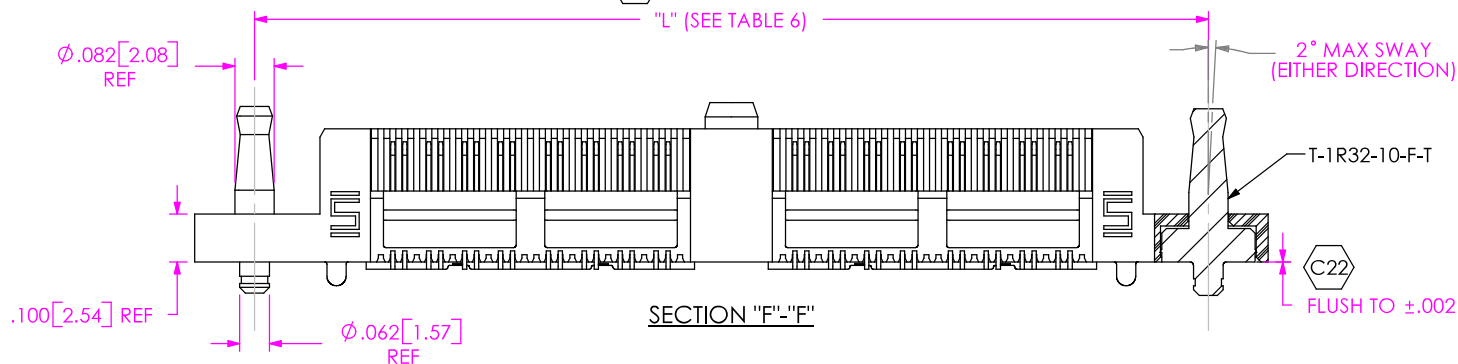
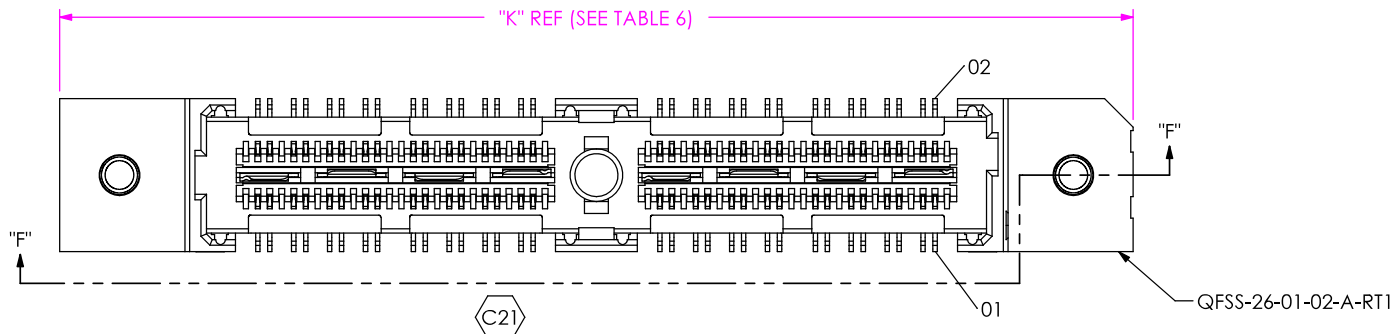
FIG. 6

-RT1 OPTION
 (QFS-032-01-X-D-DP-A-RT1 SHOWN)
 (SAME AS FIG. 3, UNLESS OTHERWISE STATED)
 (NOT AVAILABLE WITH -GP OR -RFX OPTIONS)
 (AVAILABLE ON POSITIONS -016 & -032 WITH -A OPTION ONLY)

E

** - NOT RELEASED

| TABLE 6 | | "K" | "L" |
|----------------------------|-----------------------|--------------|--------------|
| ASSEMBLY | BODY | | |
| QFS-016-01-X-D-DP-A-RT1 | QFSS-26-01-D-01-A-RT1 | 1.403[35.64] | 1.153[29.29] |
| QFS-032-01-X-D-DP-A-RT1 | QFSS-26-01-D-02-A-RT1 | 2.243[56.97] | 1.993[50.62] |
| ** QFS-048-01-X-D-DP-A-RT1 | QFSS-26-01-D-03-A-RT1 | 3.083[78.31] | 2.833[71.96] |
| ** QFS-064-01-X-D-DP-A-RT1 | QFSS-26-01-D-04-A-RT1 | 3.923[99.64] | 3.673[93.29] |



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