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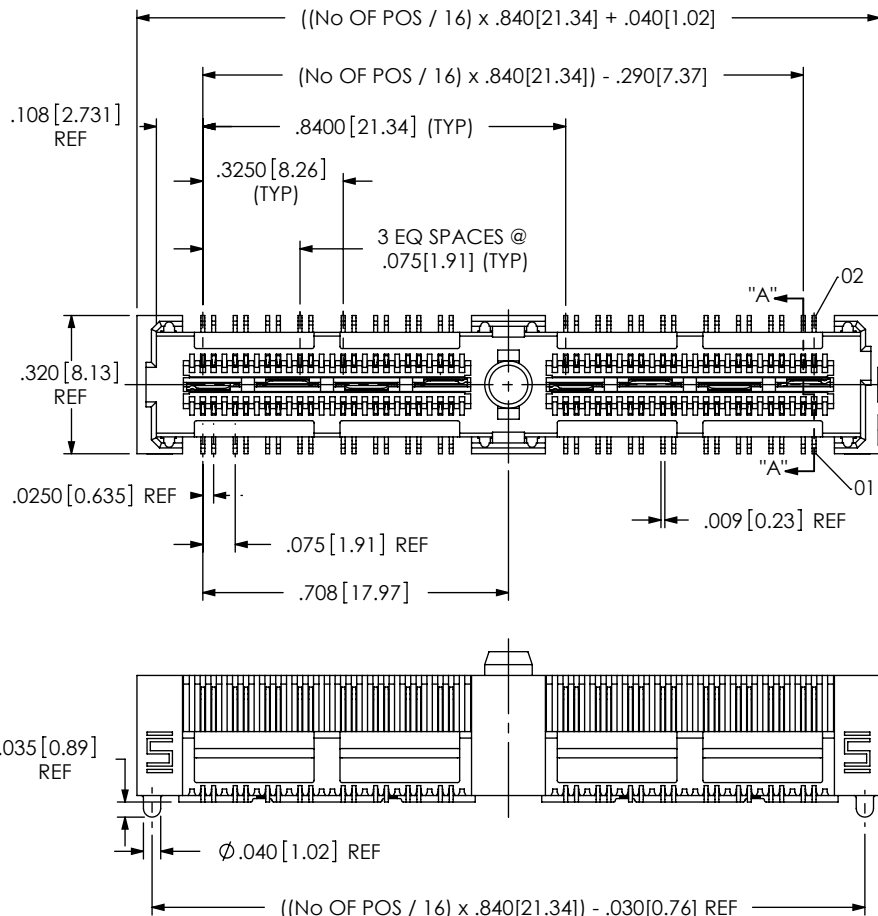


FIG 1

QFS-032-04.25-X-D-DP-A SHOWN

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]

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

No OF POSITIONS
-016, -032, -048,
-064, * -080
(PER ROW)

LEAD STYLE
-04.25 (SEE NOTE 9)

PLATING SPECIFICATION

-L: LIGHT GOLD (USE C-181-04.25-L)
-H: HEAVY GOLD (USE C-181-04.25-H)
-S: SELECTIVE GOLD (USE C-181-04.25-S)
-SL: LIGHT SELECTIVE GOLD
(USE C-181-04.25-SL)
(ALL PLATING STYLES
USE T-1G20-04.25-L)

ROW SPECIFICATION

-D: DOUBLE
-DP: DIFFERENTIAL PAIRS

OPTION

-A: ALIGNMENT PIN
(NOT AVAILABLE WITH -PXX OR -RFX)
-GP: GUIDE HOLES
(SEE FIG 2, SHEET 2)
(NOT AVAILABLE WITH -PXX, -RFX,
OR -RT1)

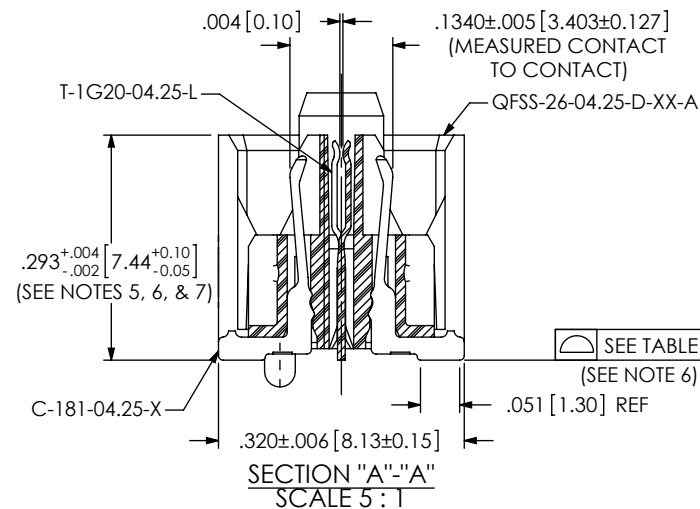
* = NOT TOOLED

PACKAGING OPTION

-TR: TAPE & REEL PACKAGING
(-016 THRU -048 WITH NO OPTIONS)
(-016 & -032 WITH -GP, -PXX, -RF1, RT1)
(-016 WITH RF2)

OPTION

-PC4: 4 POWER POS PER END (.062" THICK BOARD)
(SEE FIG 3, SHEET 3)
-PC8: 8 POWER POS PER END (.062" THICK BOARD)
(SEE FIG 3, SHEET 3)
-PT4: 4 POWER POS PER END (.093" THICK BOARD)
(SEE FIG 3, SHEET 3)
-PT8: 8 POWER POS PER END (.093" THICK BOARD)
(SEE FIG 3, SHEET 3)
-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)
-P: PICK AND PLACE PAD
(USE PPP-51, SEE FIG 7, SHEET 2)
[PXX NOT AVAILABLE IN
COMBINATION WITH -A OR -GP]
[PXX AVAILABLE ON POSITIONS
-016, -032 & -048 ONLY]



NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. MAXIMUM BURR ALLOWANCE: .0015[0.038].
3. MINIMUM PUSHOUT FORCE: SIGNAL: .5 LB, GROUND: 1 LB, POWER: .5 LB, RF: .5 LB.
4. CONTACTS WILL BE SHEARED FOR ALL POSITIONS & ALL STYLES FOR THE QFS.
5. MAXIMUM VARIANCE OF .002[0.05].
6. DIMENSION APPLIES TO CONTACTS & GROUND PLANE.
7. GROUND PLANE PRESS HEIGHT MUST BE .003 [.08] LESS THAN THE MAX HEIGHT OR .001 [.03] GREATER THAN THE MINIMUM HEIGHT OF THE TERMINAL.
8. PARTS TO BE PACKAGED IN TRAYS
9. LEADSTYLE -01 MAY BE SUBSTITUTED IN PART CALLOUT FOR -04.25 FOR EXISTING CUSTOMERS ONLY.

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 SHEET SCALE: 2.25:1

INSULATOR: VECTRA E130, COLOR: BLACK
CONTACTS & GROUND PLANE:
PHOS BRONZE

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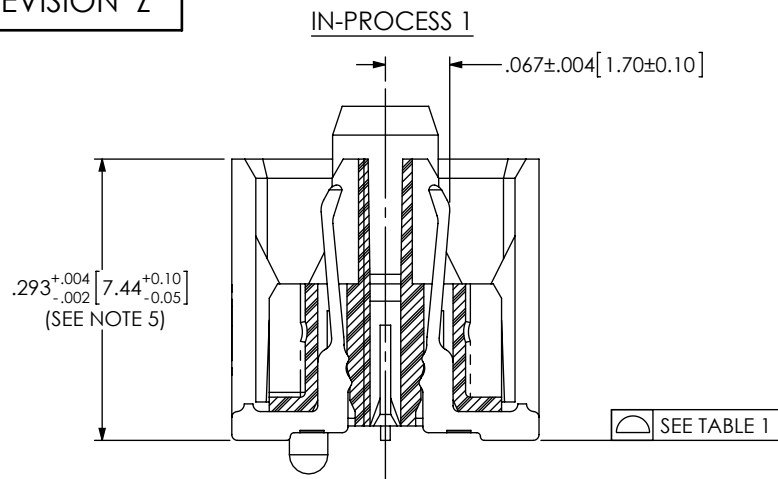
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
.635mm DIFFERENTIAL PAIRS TERMINAL STRIP

DWG. NO.

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

BY: BRATCHER 08/08/2003 SHEET 1 OF 5



CONTACT DETAILS
SEE NOTE
(ALL CONTACTS SHEARED FOR QFS)

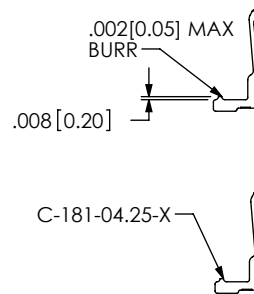
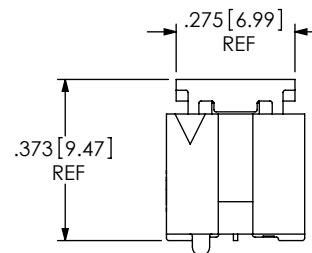
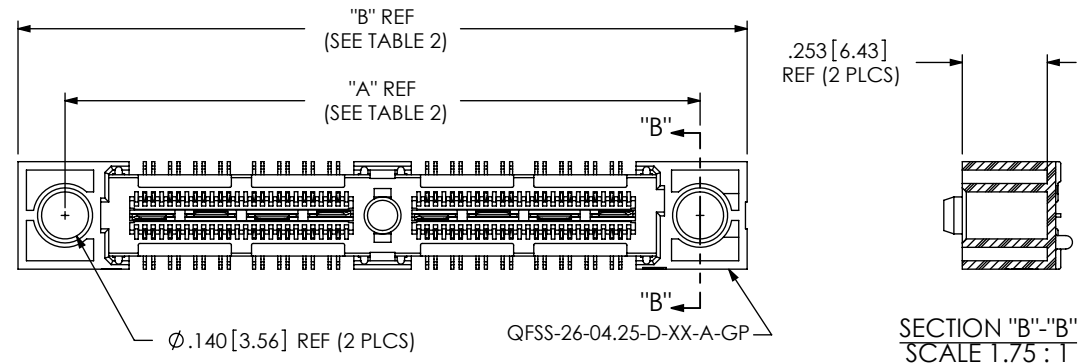
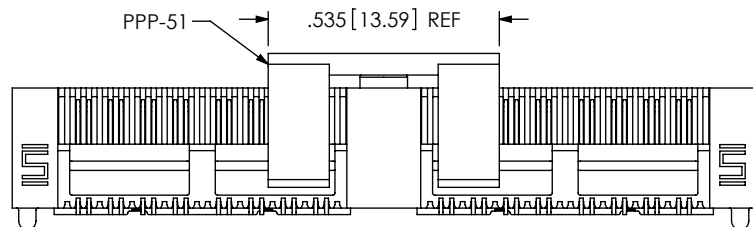
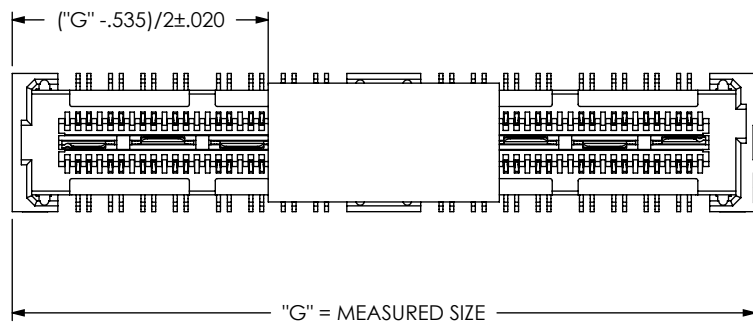


TABLE 2		
ASSEMBLY	"A"	"B"
QFS-016-04.25-X-D-DP-A-GP	1.050[26.67]	1.330[33.78]
QFS-032-04.25-X-D-DP-A-GP	1.890[48.00]	2.170[55.12]
QFS-048-04.25-X-D-DP-A-GP	2.730[69.34]	3.010[76.45]
QFS-064-04.25-X-D-DP-A-GP	3.570[90.68]	3.850[97.79]
QFS-080-04.25-X-D-DP-A-GP	4.410[112.01]	4.690[119.13]

FIG 2
-GP: GUIDE HOLE OPTION
(QFS-032-04.25-X-D-DP-A-GP SHOWN)
(NOT AVAILABLE WITH -PXX, RFX, OR -RT1 OPTIONS)

FIG 7
-P: PICK & PLACE PAD OPTION



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

BY: BRATCHER 08/08/2003 SHEET 2 OF 5

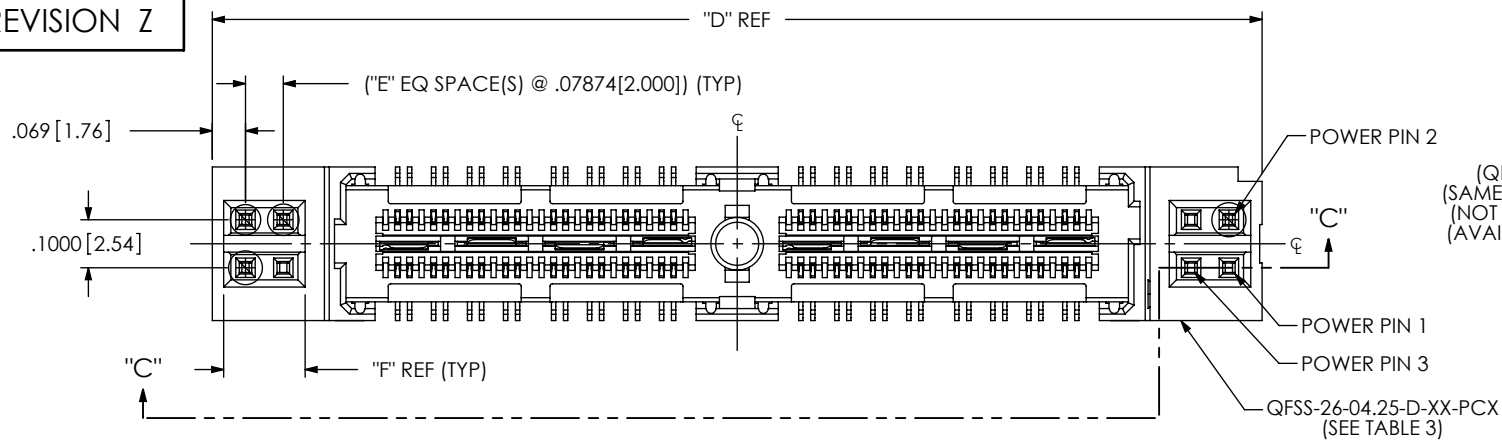


FIG 3
POWER COMBO OPTIONS
(QFS-032-04.25-X-D-DP-PC4 SHOWN)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)
(NOT AVAILABLE WITH -A OR -GP OPTION)
(AVAILABLE ON POS -016, -032, -048 ONLY)

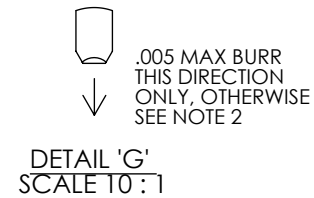
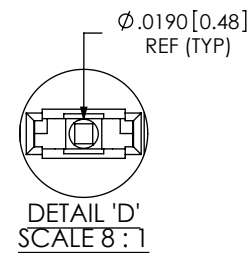
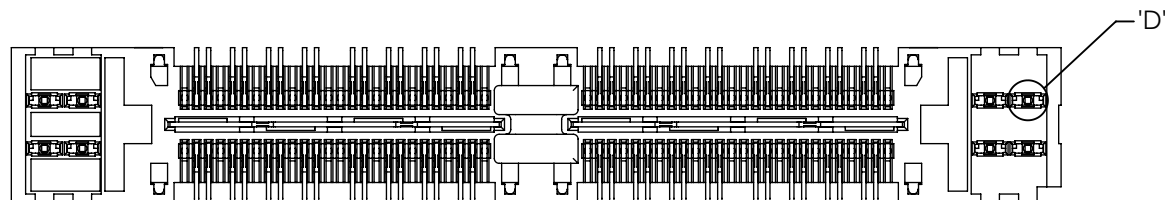
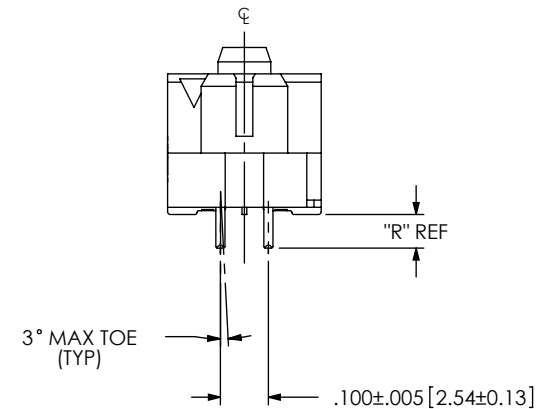
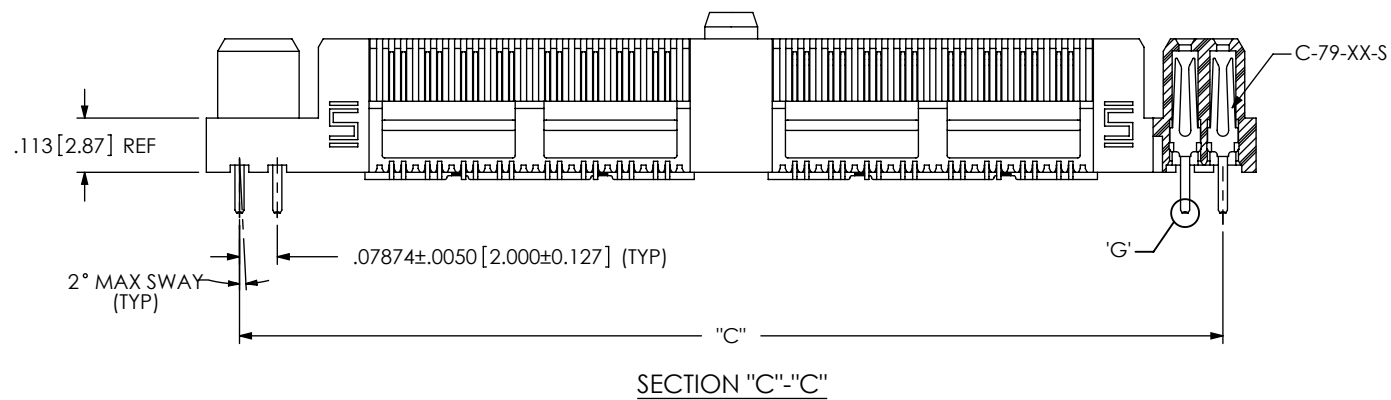


TABLE 8			
POWER OPTION	CONTACT	"Q"	"R"
PC4/PC8	C-79-06-S	.085[2.16]	.070[1.78]
PT4/PT8	C-79-09-S	.125[3.18]	.110[2.79]

TABLE 3					
ASSEMBLY	QFSS-26-04.25-D-XX-PCX	"C"	"D"	"E"	"F"
QFS-016-04.25-X-D-DP-X-PX4	QFSS-26-04.25-D-01-PC4	1.209[30.70]	1.347[34.21]	1	.170[4.31]
QFS-016-04.25-X-D-DP-X-PX8	QFSS-26-04.25-D-01-PC8	1.524[38.70]	1.662[42.21]	3	.327[8.31]
QFS-032-04.25-X-D-DP-X-PX4	QFSS-26-04.25-D-02-PC4	2.049[52.04]	2.187[55.55]	1	.170[4.31]
QFS-032-04.25-X-D-DP-X-PX8	QFSS-26-04.25-D-02-PC8	2.364[60.04]	2.502[63.55]	3	.327[8.31]
QFS-048-04.25-X-D-DP-X-PX4	QFSS-26-04.25-D-03-PC4	2.889[73.37]	3.027[76.89]	1	.170[4.31]
QFS-048-04.25-X-D-DP-X-PX8	QFSS-26-04.25-D-03-PC8	3.204[81.37]	3.342[84.89]	3	.327[8.31]

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BY: BRATCHER 08/08/2003

SHEET 3 OF 5

FIG 4

-RF1 OPTION

(QFS-032-04.25-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)

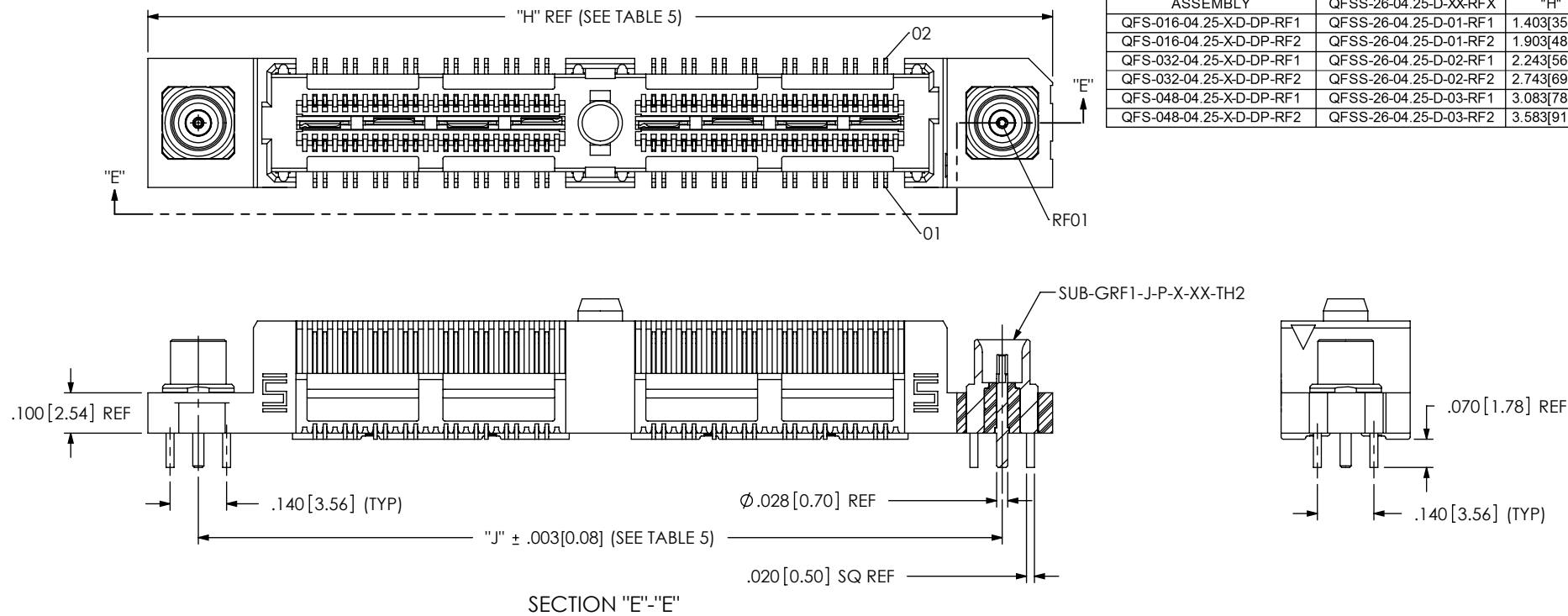


TABLE 5			
ASSEMBLY	QFSS-26-04.25-D-XX-RFX	"H"	"J"
QFS-016-04.25-X-D-DP-RF1	QFSS-26-04.25-D-01-RF1	1.403[35.64]	1.153[29.29]
QFS-016-04.25-X-D-DP-RF2	QFSS-26-04.25-D-01-RF2	1.903[48.34]	1.653[41.99]
QFS-032-04.25-X-D-DP-RF1	QFSS-26-04.25-D-02-RF1	2.243[56.97]	1.993[50.62]
QFS-032-04.25-X-D-DP-RF2	QFSS-26-04.25-D-02-RF2	2.743[69.67]	2.493[63.32]
QFS-048-04.25-X-D-DP-RF1	QFSS-26-04.25-D-03-RF1	3.083[78.31]	2.833[71.96]
QFS-048-04.25-X-D-DP-RF2	QFSS-26-04.25-D-03-RF2	3.583[91.01]	3.333[84.66]

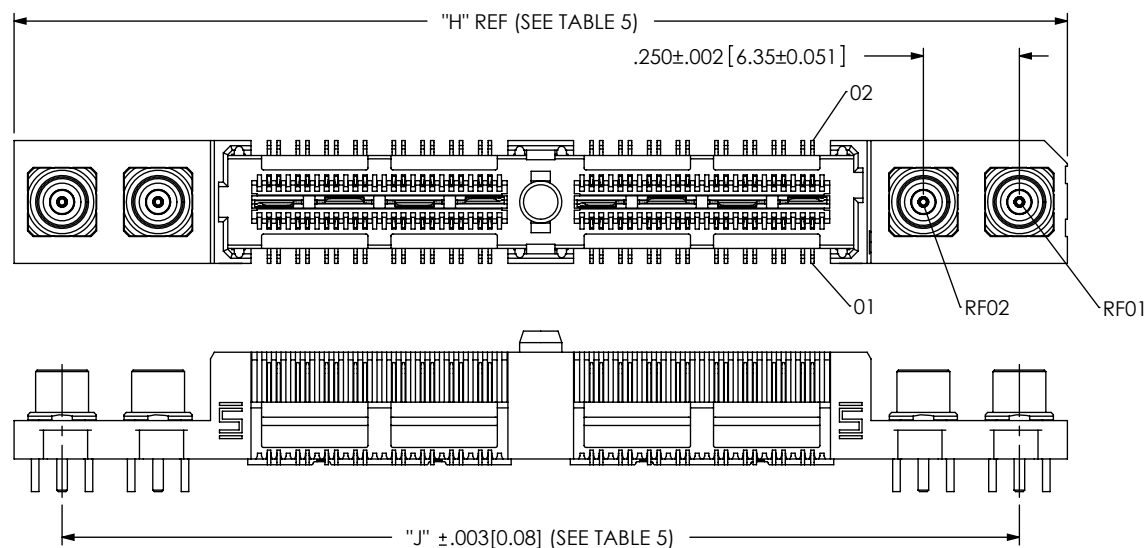


FIG 5

-RF2 OPTION

(QFS-032-04.25-X-D-DP-RF2 SHOWN)

(SAME AS FIG 4, UNLESS OTHERWISE STATED)

(NOT AVAILABLE WITH -A OR -GP OPTIONS)

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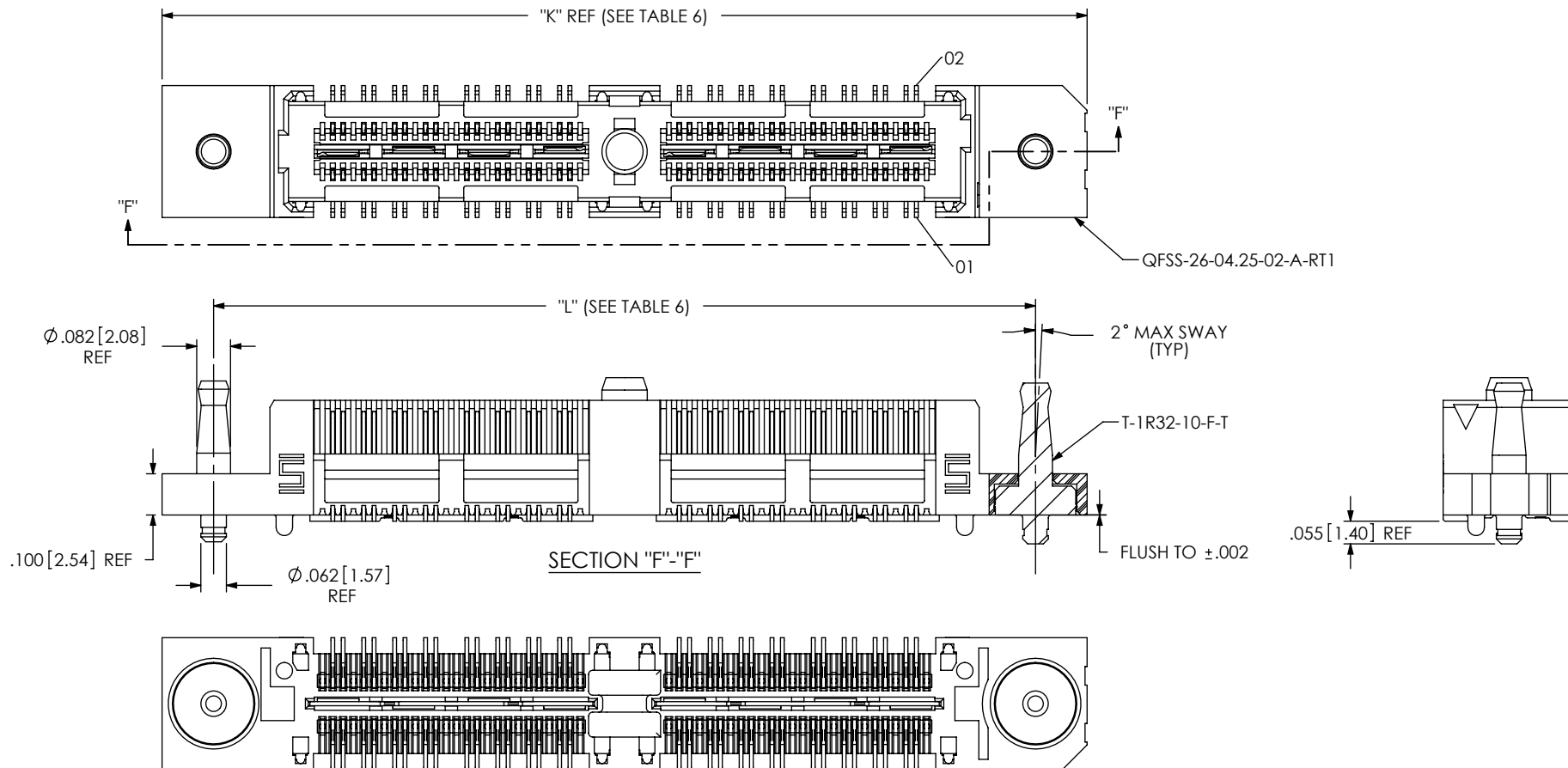
QFS-XXX-XX.XX-X-D-DP-XX-XXX-XX

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FIG 6

-RT1 OPTION
 (QFS-032-04.25-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)

ASSEMBLY	BODY	"K"	"L"
QFS-016-04.25-X-D-DP-A-RT1	QFSS-26-04.25-D-01-A-RT1	1.403[35.64]	1.153[29.29]
QFS-032-04.25-X-D-DP-A-RT1	QFSS-26-04.25-D-02-A-RT1	2.243[56.97]	1.993[50.62]
QFS-048-04.25-X-D-DP-A-RT1	QFSS-26-04.25-D-03-A-RT1	3.083[78.31]	2.833[71.96]
QFS-064-04.25-X-D-DP-A-RT1	QFSS-26-04.25-D-04-A-RT1	3.923[99.64]	3.673[93.29]



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