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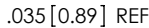
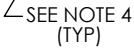



FIG 1
QFSS-032-04.25-X-D-DP-A SHOWN



NOTES:

1.  REPRESENTS A CRITICAL DIMENSION.
2. MAXIMUM BURR ALLOWANCE: .0015 [0.038]
3. MINIMUM PUSHOUT FORCE: SIGNAL: .5 LB, SHIELD/GROUND: 1 LB, POWER: .5 LB.
4. DO NOT SHEAR CONTACTS SHOWN.
5. MAXIMUM VARIANCE: .002 [0.05].
6. DIMENSION APPLIES TO CONTACTS & GROUND PLANE.
7. GROUND PLANE PRESS HEIGHT MUST BE .003 [0.08] LESS THAN THE MAXIMUM HEIGHT OR .001 [0.03] GREATER THAN THE MINIMUM HEIGHT OF THE TERMINAL.
8. PARTS TO BE PACKAGED IN TRAYS AS STANDARD.
9. LEADSTYLE -01 MAY BE SUBSTITUTED IN PART CALLOUT FOR -.04.25 FOR EXISTING CUSTOMERS ONLY.

PATENT NUMBERS
6739884/ 7165994
7121849

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

QFSS-XXX-XX.XX-X-D-DP-X-XXX

No OF PAIRS
-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)
 (ALL PLATING STYLES USE
 SH2-01-L & T-1G20-04.25-L)

ROW SPECIFICATION

-D: DOUBLE

-DP: DIFFERENTIAL PAIRS
SEE FIG. 1 FOR SHIELD
BEAM CONFIGURATION

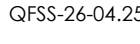
* = NOT TOOLED

OPTION

- BM: BLIND MATE SHEILD (USE ASP-126355-02-P-L)
- GP: GUIDE HOLES
(SEE FIG 2, SHEET 2)
(NOT AVAILABLE WITH -PXX)
- PC4: 4 POWER POS PER END (.062" THICK BOARD)
(SEE FIG 3, SHEET 3)USE C-79-06-S
- PC8: 8 POWER POS PER END (.062" THICK BOARD)
(SEE FIG 3, SHEET 3)USE C-79-06-S
- PT4: 4 POWER POS PER END (.093" THICK BOARD)
(SEE FIG 3, SHEET 3)USE C-79-09-S
- PT8: 8 POWER POS PER END (.093" THICK BOARD)
(SEE FIG 3, SHEET 3)USE C-79-09-S
- TR: TAPE & REEL PACKAGING
(-016 THRU -048 W/O OPTIONS -GP OR -PXX)
(-016 THRU-032 W/ OPTIONS -GP OR -PXX)

-PXX NOT AVAILABLE WITH -GP AND -A]
-PXX AVAILABLE ON POSITIONS
-016, -032 & -048 ONLY]

- OPTION
-A: ALIGNMENT PIN
[NOT AVAILABLE WITH -PXX]
-P: PICK AND PLACE PAD
(USE PPP-51) (SEE FIG 4, SHT 4)



SECTION "A"-"A"
SCALE 5 : 1

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] |

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

| DECIMALS | ANGLES |
|----------|--------|
|----------|--------|

.XX: $\pm .01$ [.3]

.XXX: $\pm .005$ [.13]

.XXX: $\pm .0020$ [.051]

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MATERIAL: DO NOT SCALE DRAWING

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

SHEET SCALE: 2.5:1

| | |
|--------------|--|
| DESCRIPTION: | |
|--------------|--|

.635mm DIFFERENTIAL PAIRS SHIELDED TERMINAL STRIP

DWG. NO.

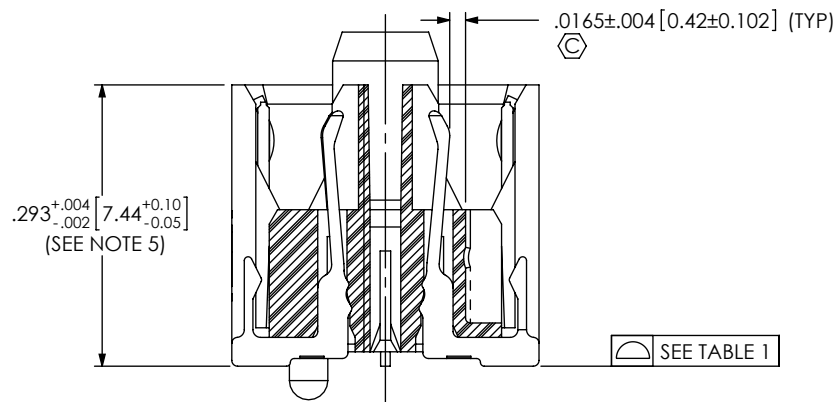
QFSS-XXX-XX.XX-X-D-DP-X-XXX

| | |
|-------------------------|--------------|
| BY: BRATCHER 08/26/2003 | SHEET 1 OF 4 |
|-------------------------|--------------|



520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
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IN-PROCESS 1



CONTACT DETAILS

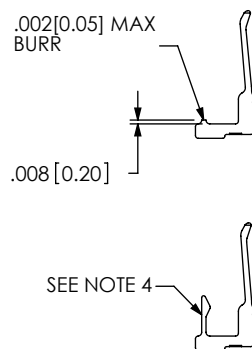


TABLE 2

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

IN-PROCESS 2

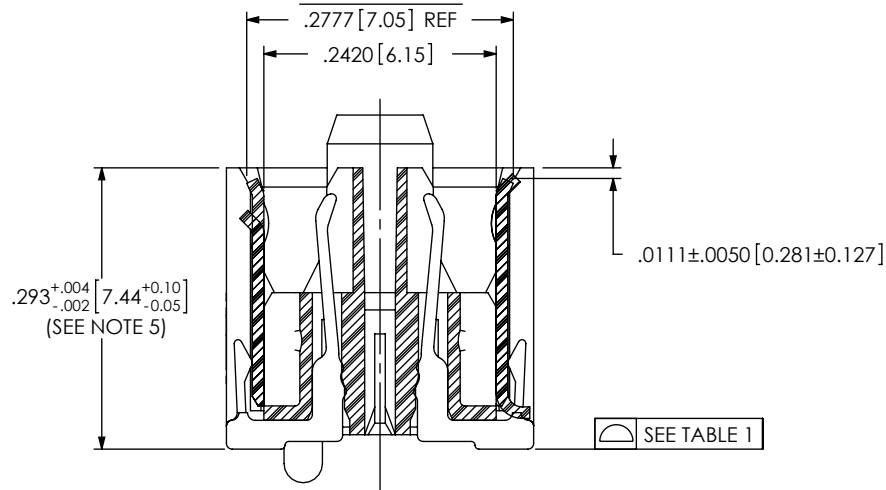
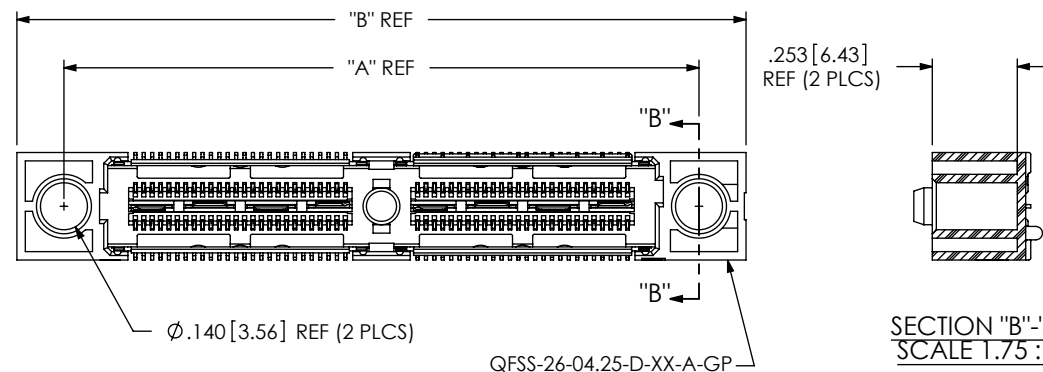


FIG 2

-GP: GUIDE HOLE OPTION
 (QFSS-032-04.25-X-D-DP-A-GP SHOWN)
 (NOT AVAILABLE WITH -PXX OPTIONS)



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 e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
 .635mm DIFFERENTIAL PAIRS SHIELDED TERMINAL STRIP

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

BY: BRATCHER 08/26/2003 SHEET 2 OF 4

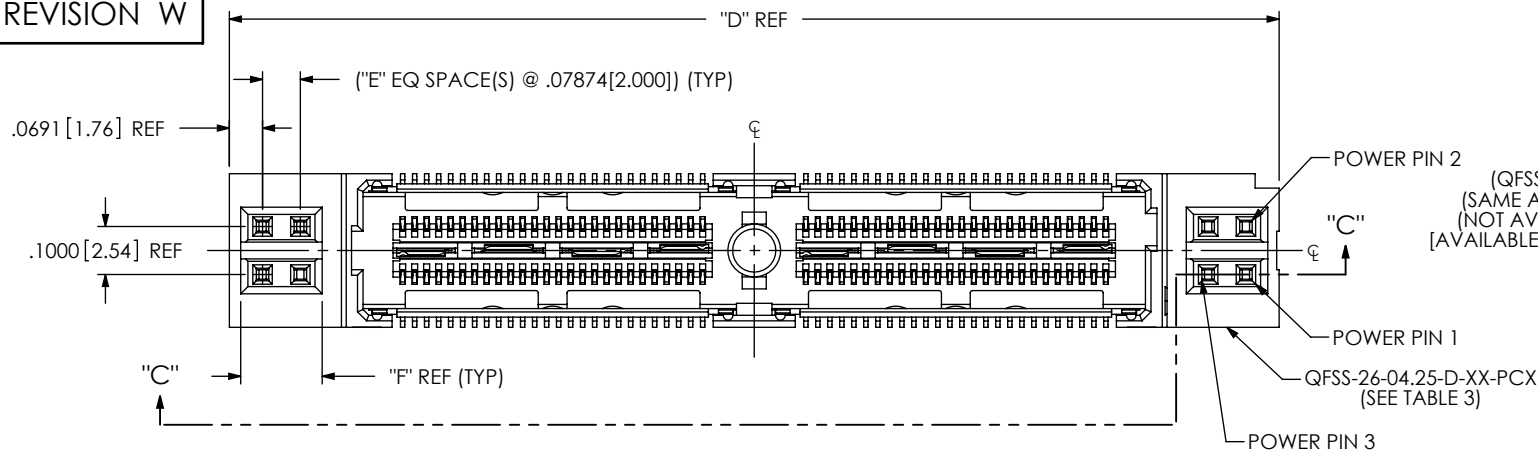
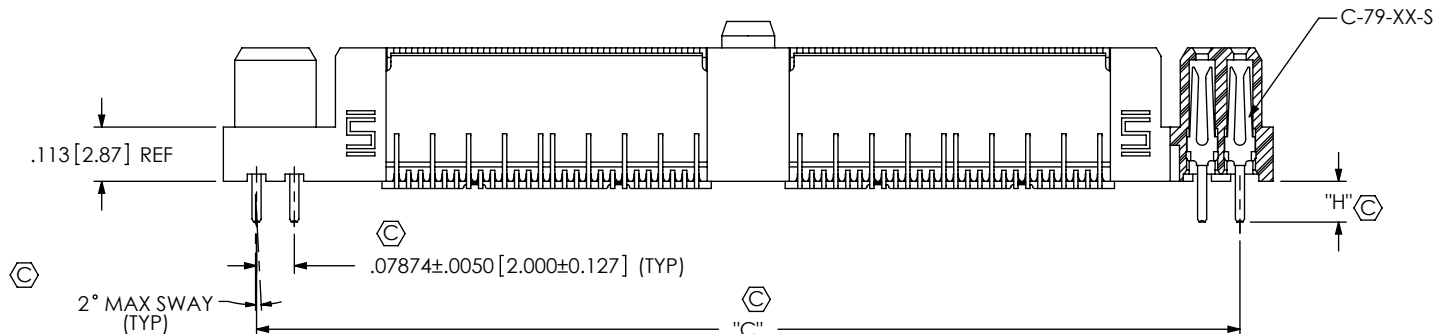
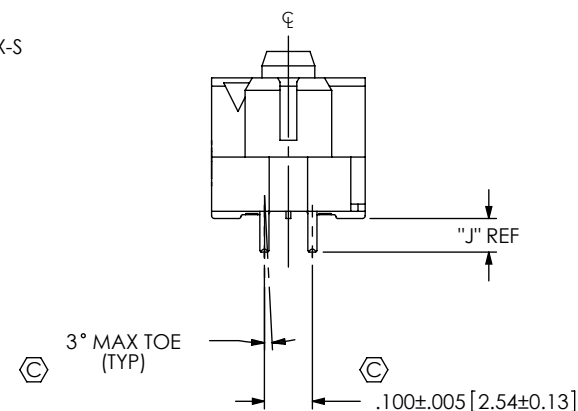


FIG 3

POWER COMBO OPTIONS
(QFSS-032-04.25-X-D-DP-PC4 SHOWN)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)
(NOT AVAILABLE WITH -GP AND -A OPTIONS)
(AVAILABLE ON -016, -032 & -048 POSITIONS ONLY)



SECTION "C"-"C"



DETAIL 'D'
SCALE 8:1

TABLE 4

| POWER OPTION | CONTACT | "H" | "J" |
|--------------|-----------|-------------|-------------|
| 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" |
|-----------------------------|------------------------|--------------|--------------|-----|------------|
| QFSS-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] |
| QFSS-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] |
| QFSS-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] |
| QFSS-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] |
| QFSS-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] |
| QFSS-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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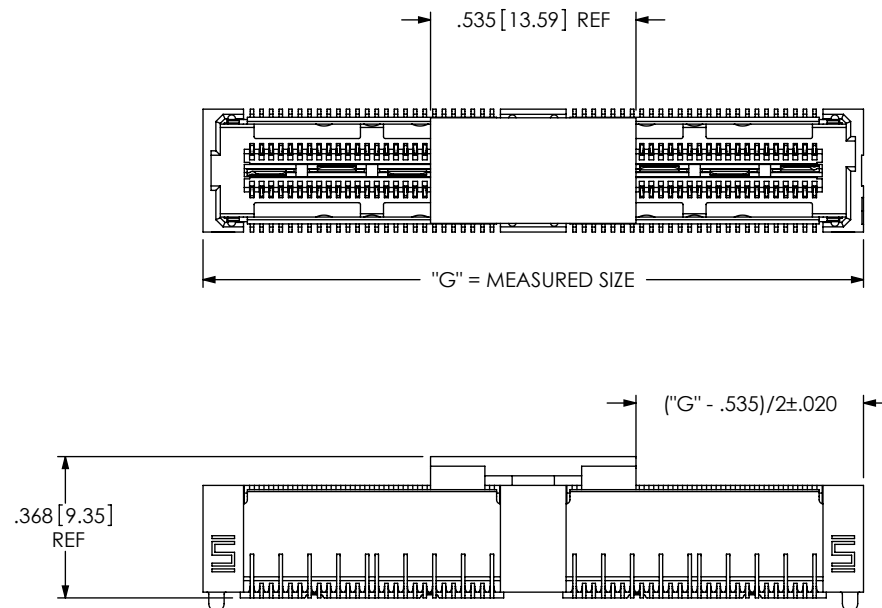


FIG 4

-P: PICK AND PLACE PAD OPTION
(QFSS-032-04.25-X-D-DP-P SHOWN)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)
[USE PPP-51]

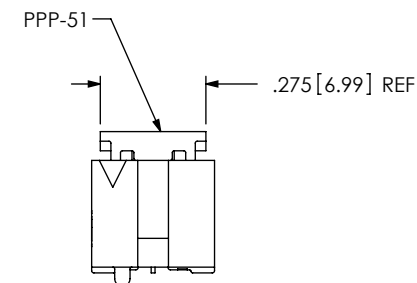
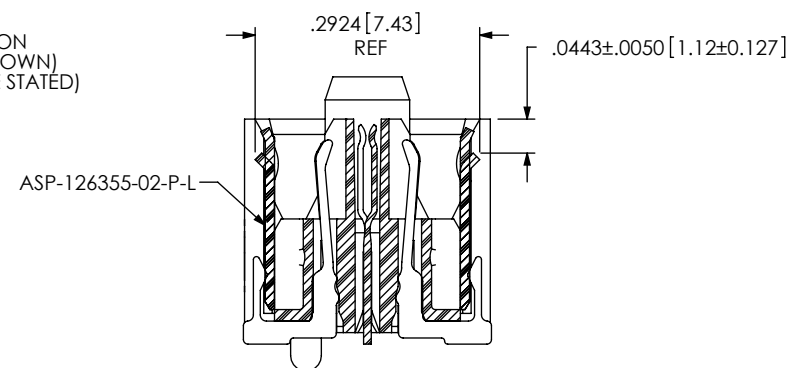
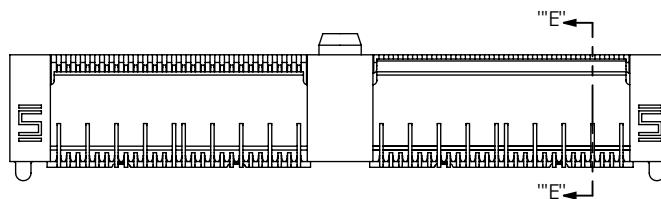


FIG 5
-BM: BLIND MATE SHIELD OPTION
(QFSS-032-04.25-X-D-DP-A-BM SHOWN)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)



SECTION "E"-"E"
SCALE 4 : 1

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