

LEAD STYLE
-01: .062[1.57]
-02: .093[2.36]

PACKAGING
BLANK: TRAY (SEE NOTES 4 & 8)
-TR: TAPE & REEL (SEE NOTES 8 & 9)
-FR: FULL REEL QTY TAPE & REEL
(SEE NOTES 8 & 9)
(-TR & -FR PACKAGING AVAILABLE FOR:
-026 & -052 WITH NO OPTIONS,
-026 & -052 WITH -PC4,
-026 WITH -PC8)

PICK & PLACE OPTION
-K: POLYAMIDE FILM
(USE K-DOT-.310-.406-.005)

OPTION

-PC4: 4 POWER PINS
(SEE FIG 2, SHEET 5)
(NOT AVAILABLE WITH -104 POS)

-PC8: 8 POWER PINS
(SEE FIG 3, SHEET 5)
(NOT AVAILABLE WITH -104 POS)

— -RA: RIGHT ANGLE

— ROW SPECIFICATION
-D: DOUBLE (USE QFS-26-01-D-XX-RA)

PLATING SPECIFICATION

(SEE TABLE 6, SHEET 4)

-SL: 10μ" GOLD IN CONTACT AREA, MATTE TIN TAIL
-S: 30μ" GOLD IN CONTACT AREA, MATTE TIN TAIL
-L: 10μ" GOLD IN CONTACT AREA, 3μ" GOLD ON TAIL
-H: 30μ" GOLD IN CONTACT AREA, 3μ" GOLD ON TAIL

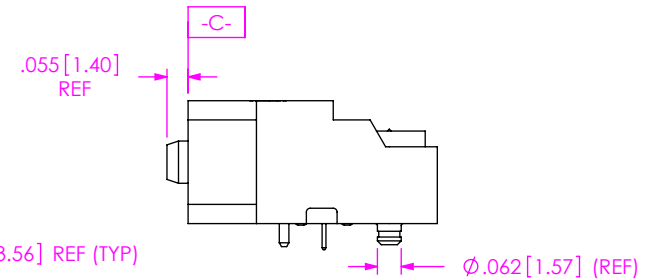
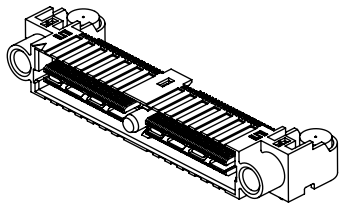
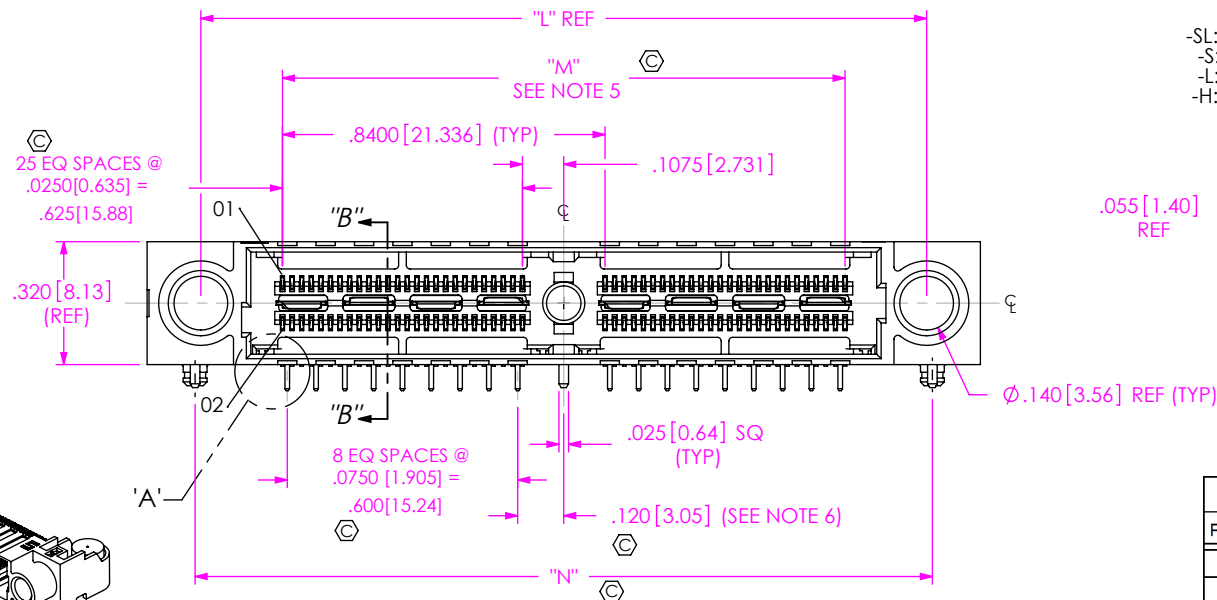
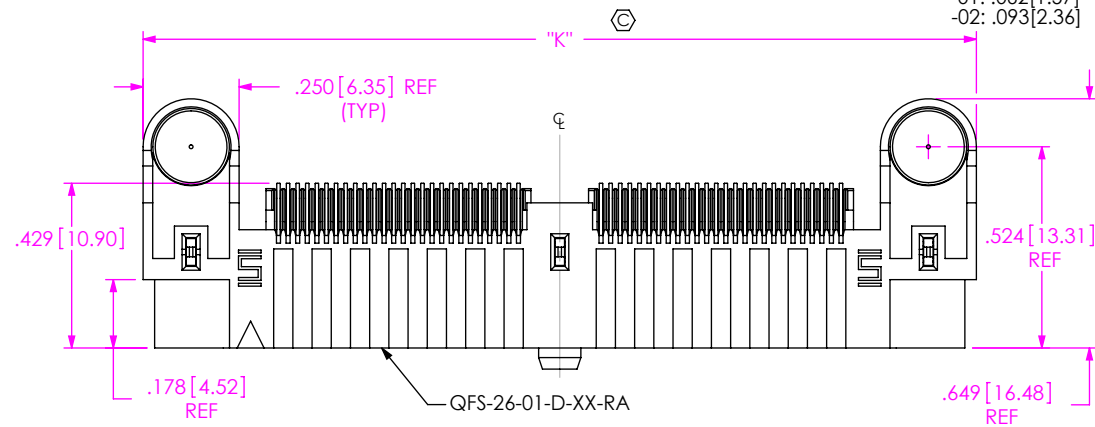


FIG 1
(QFS-052-01-XX-D-RA SHOWN)

| POSITION | "K" | "L" | "M" | "N" |
|----------|---------------|---------------|---------------|---------------|
| -026 | 1.330 [33.78] | 1.050 [26.67] | .625 [15.88] | 1.080 [27.43] |
| -052 | 2.170 [55.12] | 1.890 [48.01] | 1.465 [37.21] | 1.920 [48.77] |
| -078 | 3.010 [76.45] | 2.730 [69.34] | 2.305 [58.55] | 2.760 [70.10] |
| -104 | 3.850 [97.79] | 3.570 [90.68] | 3.145 [79.88] | 3.600 [91.44] |

1.  REPRESENTS A CRITICAL DIMENSION.
2. MAXIMUM BURR ALLOWANCE: .0010[0.02].
3. MINIMUM PUSHOUT FORCE: SIGNAL: .5 LB [2.22 N],
SHIELD/GROUND, POWER PIN AND COUNTERWEIGHT: 1 LB [4.45 N].
4. TRAYS ARE STANDARD PACKAGING.
5. PLUS .007" ALLOWED ON 4 BANK.
6. DOES NOT APPLY TO 1 BANK.
7. USE -Z- DATUM ZONE FOR ONLY MEASUREMENTS.
8. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY
STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
9. ATTACH LABEL-4X2 TO EACH REEL.

| DECIMALS | ANGLES |
|---------------------------|--------|
| .XX: $\pm .01$ [.3] | 2° |
| .XXX: $\pm .005$ [.13] | |
| .XXXX: $\pm .0020$ [.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: 2:
INSULATOR: LCP, COLOR BLACK
CONTACT, POWER PIN & GROUND PLANE: PHOS BRONZE
COUNTERWEIGHT: BRASS

SHEET SCALE: 2:1

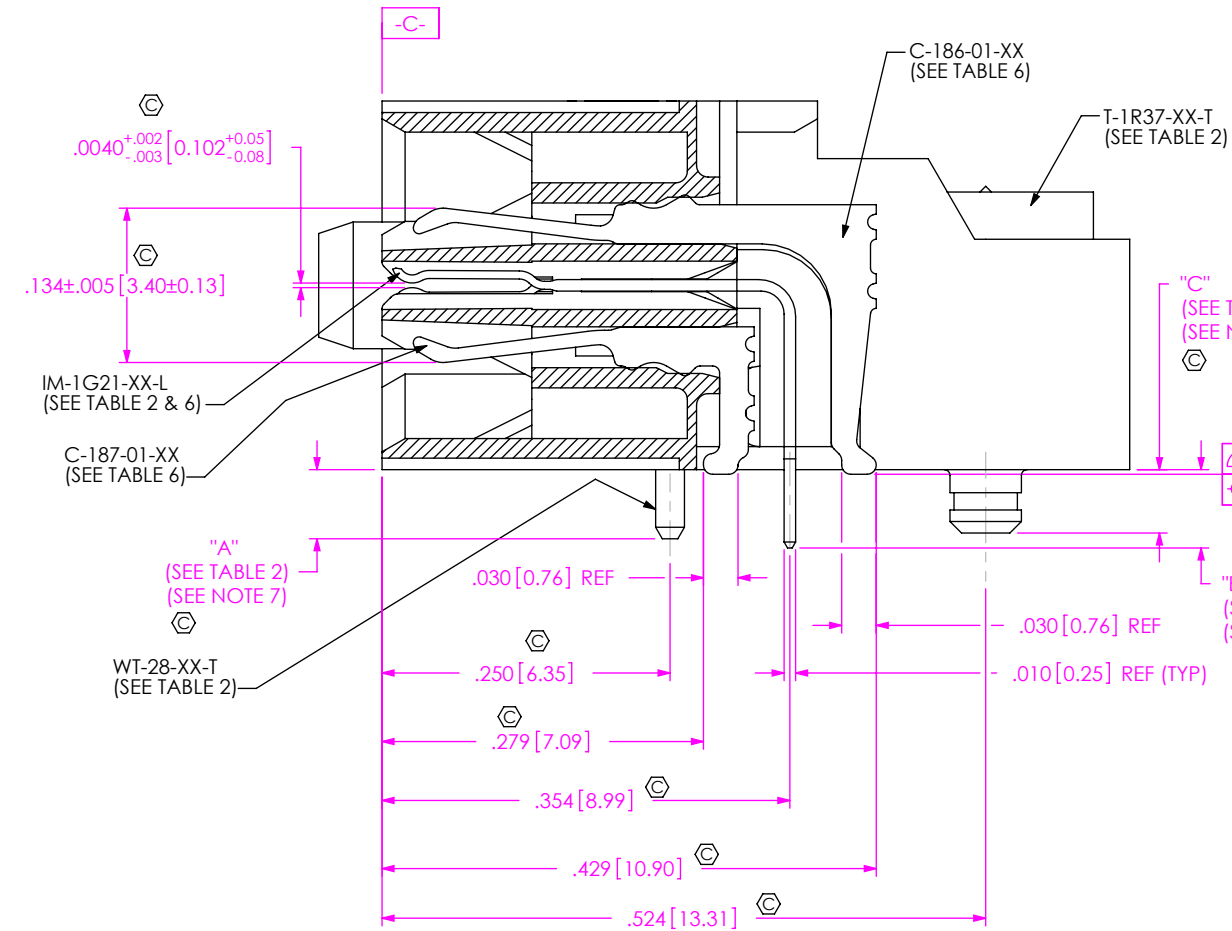
DESCRIPTION:

.635mm DUAL ROW RIGHT ANGLE SOCKET ASSEMBLY

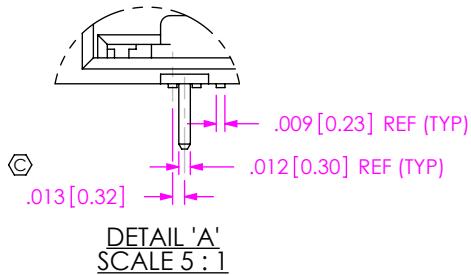
DWG. NO.

QFS-XXX-XX-XX-D-RA-XXX-X-XX

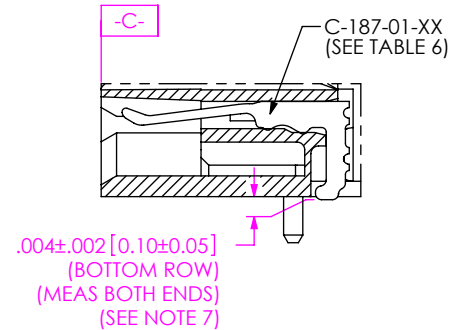
| | | |
|------------|-----------|--------------|
| BY: CLAY W | 8/25/2006 | SHEET 1 OF 6 |
|------------|-----------|--------------|



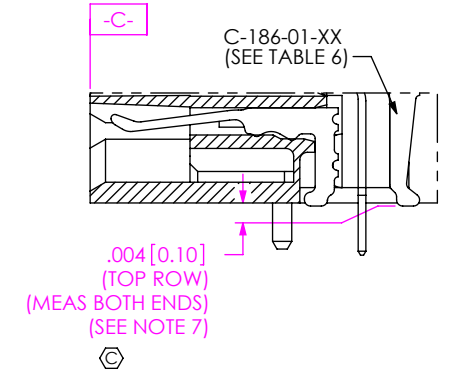
SECTION "B"-"B"
SCALE 6:1



DETAIL 'A'
SCALE 5:1



BOTTOM ROW - TAIL DETAIL
(LOCATE ASSEMBLY ON
DATUM -C- FOR MEASUREMENT)



TOP ROW - TAIL DETAIL
(LOCATE ASSEMBLY ON
DATUM -C- FOR MEASUREMENT)

| TABLE 1 | | | |
|-----------------|-------------|-----------------------|-----------------------|
| No OF POSITIONS | COPLANARITY | STRAIGHTNESS ROW 1 | STRAIGHTNESS ROW 2 |
| -026 THRU -052 | .004[.10] | .004[.10] | .004[.10] |
| -078 THRU -104 | .006[.15] | .006[.15] | .006[.15] |

| TABLE 2 | | | | | | |
|------------|------------|------------|------------|------------|--------------|-------------|
| LEAD STYLE | "A" | "B" | "C" | WT-28-XX-T | IM-1G21-XX-L | T-1R37-XX-T |
| -01 | .060[1.52] | .068[1.73] | .055[1.40] | WT-28-01-T | IM-1G21-01-L | T-1R37-01-T |
| -02 | .091[2.31] | .099[2.51] | .086[2.18] | WT-28-02-T | IM-1G21-02-L | T-1R37-02-T |

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SHEET SCALE: 6:1

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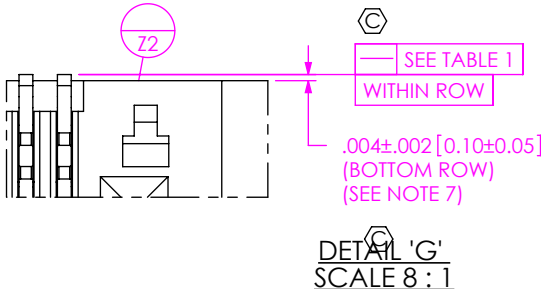
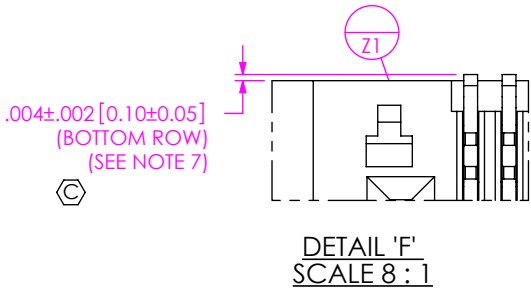
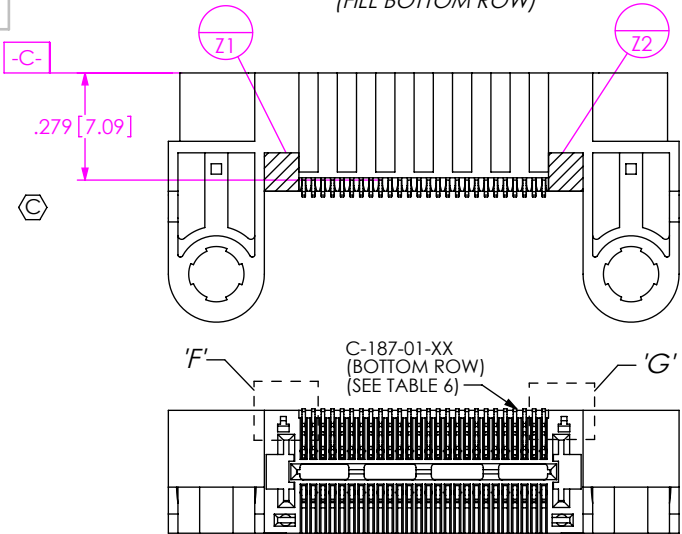
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DESCRIPTION:
.635mm DUAL ROW RIGHT ANGLE SOCKET ASSEMBLY

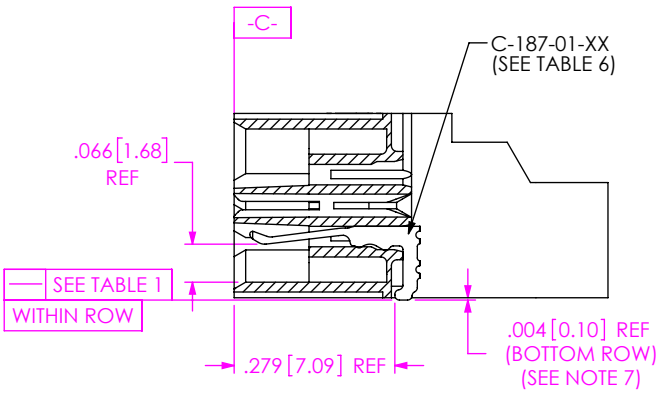
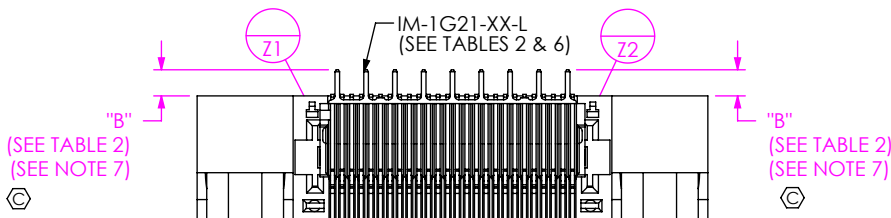
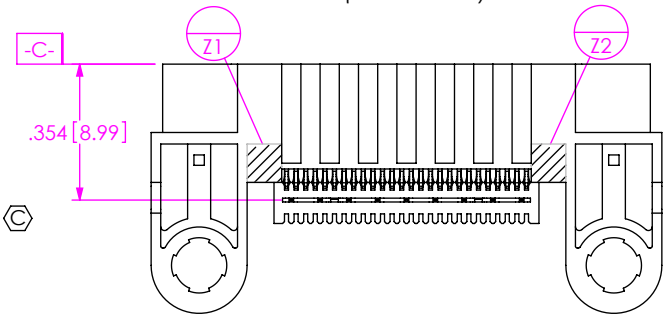
DWG. NO.
QFS-XXX-XX-XX-D-RA-XXX-X-XX

BY: CLAY W 8/25/2006 SHEET 2 OF 6

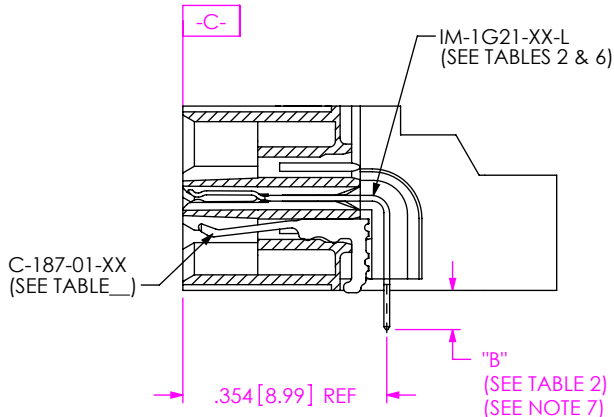
INSPECTION VIEW 1
(FILL BOTTOM ROW)



INSPECTION VIEW 2
(FILL IM-1G21)



IN-PROCESS 1
(FILL BOTTOM ROW)
(SEE INSPECTION VIEW 1 FOR ORIENTATION AND CPC'S)



IN-PROCESS 2
(FILL IM-1G21)
(SEE INSPECTION VIEW 2 FOR ORIENTATION AND CPC'S)

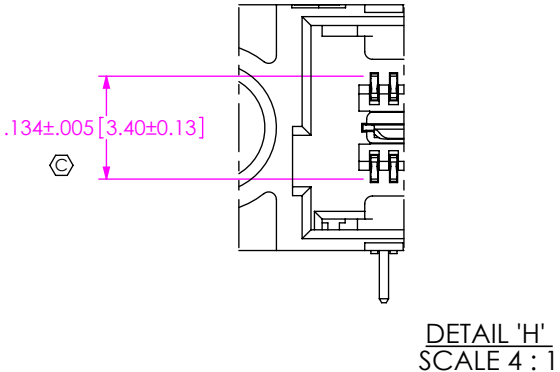
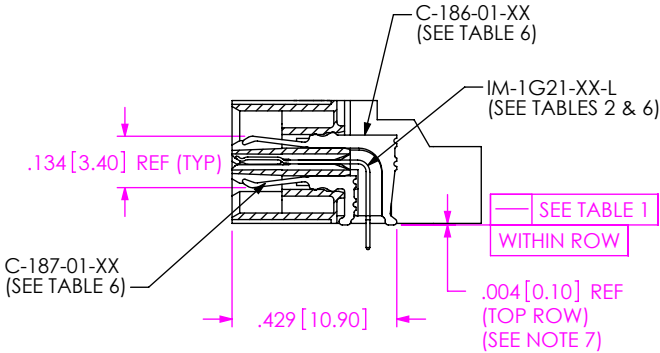
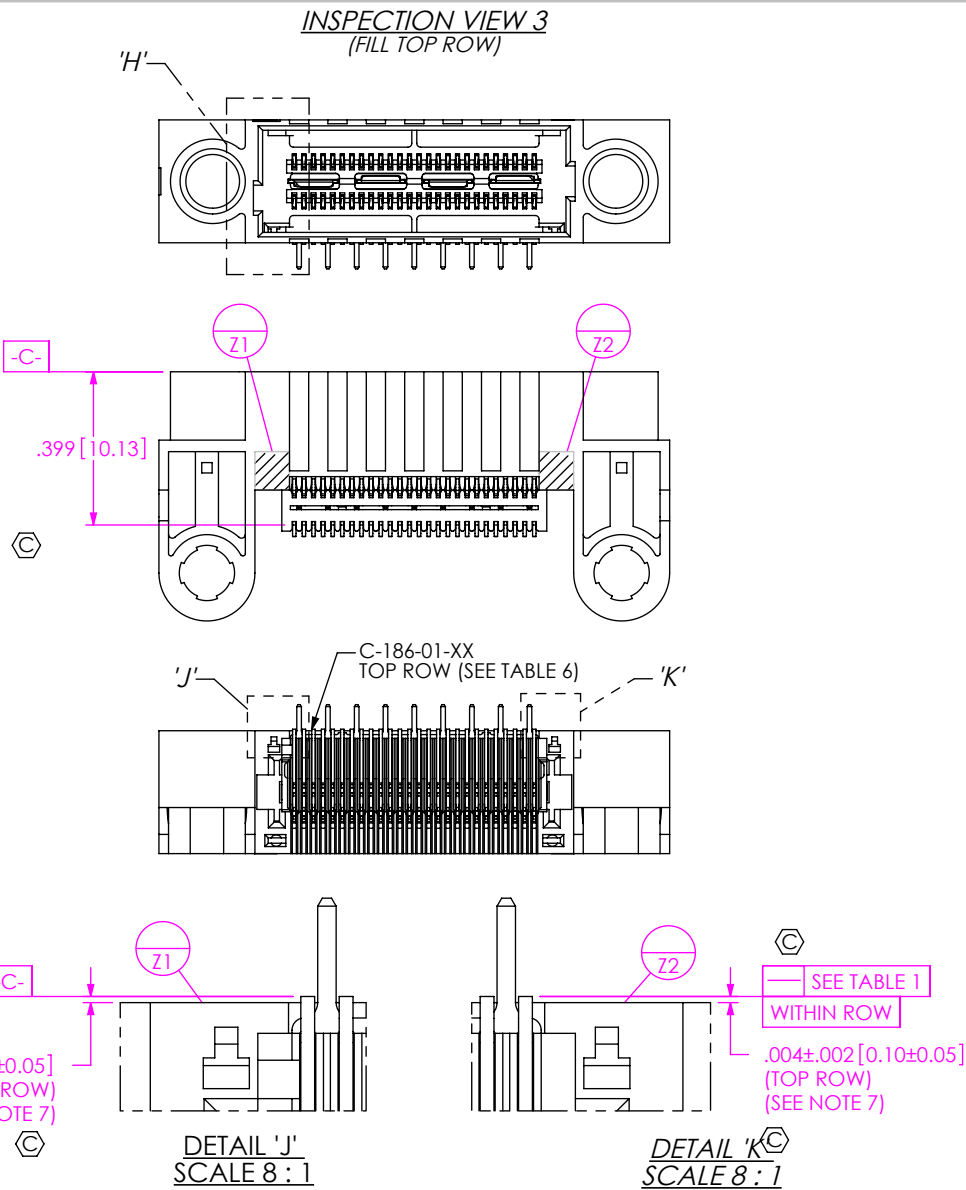
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DESCRIPTION:
.635mm DUAL ROW RIGHT ANGLE SOCKET ASSEMBLY
DWG. NO.
QFS-XXX-XX-XX-D-RA-XXX-X-XX
BY: CLAY W 8/25/2006 SHEET 3 OF 6



| | TABLE 6: PLATING SPECIFICATIONS | | | |
|-----|--|--|---|---|
| | CONTACT | CONTACT | GROUND PLANE | PCX CONTACTS |
| -SL | C-186-01-SL: 10µ" GOLD CONTACT, MATTE TIN TAIL | C-187-01-SL: 10µ" GOLD CONTACT, MATTE TIN TAIL | IM-1G21-XX-L: 10µ" GOLD CONTACT, MATTE TIN TAIL | C-79-XX-L: 10µ" GOLD CONTACT, MATTE TIN TAIL |
| -S | C-186-01-S: 30µ" GOLD CONTACT, MATTE TIN TAIL | C-187-01-S: 30µ" GOLD CONTACT, MATTE TIN TAIL | IM-1G21-XX-L: 10µ" GOLD CONTACT, MATTE TIN TAIL | C-79-XX-S: 30µ" GOLD CONTACT, MATTE TIN TAIL |
| -L | C-186-01-L: 10µ" GOLD CONTACT, 3µ" GOLD TAIL | C-187-01-L: 10µ" GOLD CONTACT, 3µ" GOLD TAIL | IM-1G21-XX-L: 10µ" GOLD CONTACT, MATTE TIN TAIL | C-79-XX-L: 10µ" GOLD CONTACT, MATTE TIN TAIL |
| -H | C-186-01-H: 30µ" GOLD CONTACT, 3µ" GOLD TAIL | C-187-01-H: 30µ" GOLD CONTACT, 3µ" GOLD TAIL | IM-1G21-XX-L: 10µ" GOLD CONTACT, MATTE TIN TAIL | C-79-XX-H: 50µ" GOLD CONTACT, 3µ" LIGHT GOLD TAIL |

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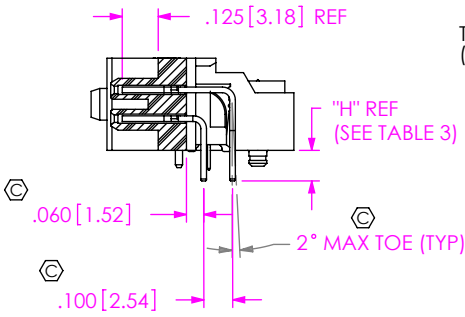
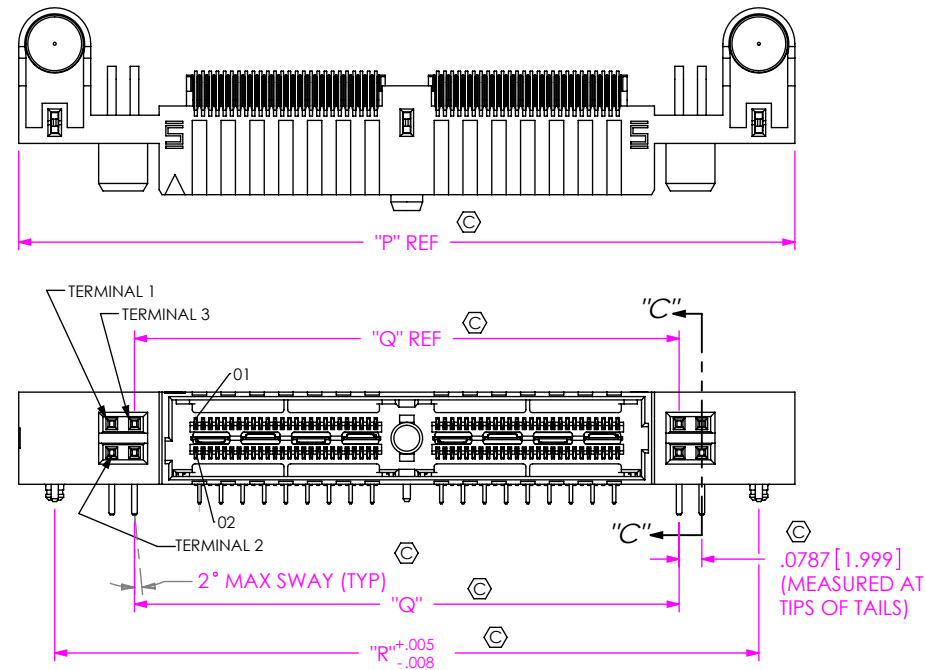
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DWG. NO.
QFS-XXX-XX-XX-D-RA-XXX-X-XX

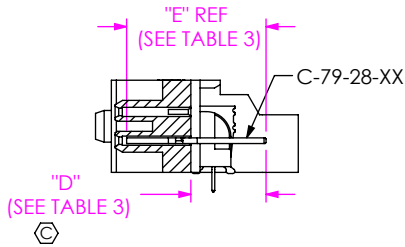
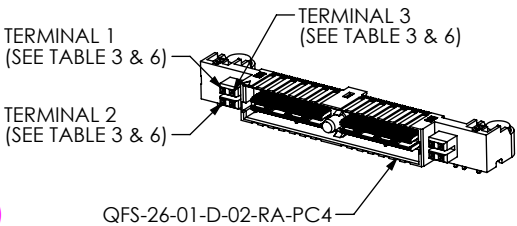
BY: CLAY W 8/25/2006 SHEET 4 OF 6

FIG 2
(QFS-052-01-XX-D-RA-PC4 SHOWN)
(SAME AS FIG 1, DIFFERENT AS SHOWN)

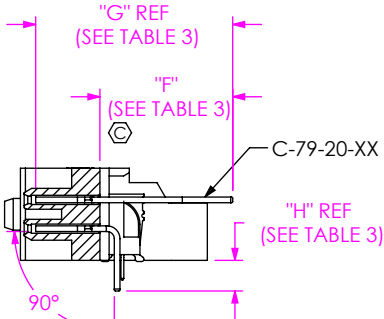


SECTION "C"- "C"
SCALE 1.5:1

| TABLE 3 | | | | | | | |
|------------|------------|-------------|----------------|-----------------|-----------------|-----------------|----------------|
| LEAD STYLE | TERMINAL 1 | TERMINAL 2 | "D" | "E" | "F" | "G" | "H" |
| -01 | C-79-28-XX | C-79-29-XX | .261 [6.63] | .484 [12.29] | .461 [11.71] | .684 [17.37] | .106 [2.69] |
| -02 | C-79-20-XX | C-79-20A-XX | .287 [7.29] | .510 [12.95] | .487 [12.37] | .710 [18.03] | .132 [3.35] |

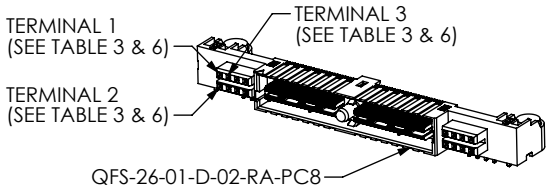
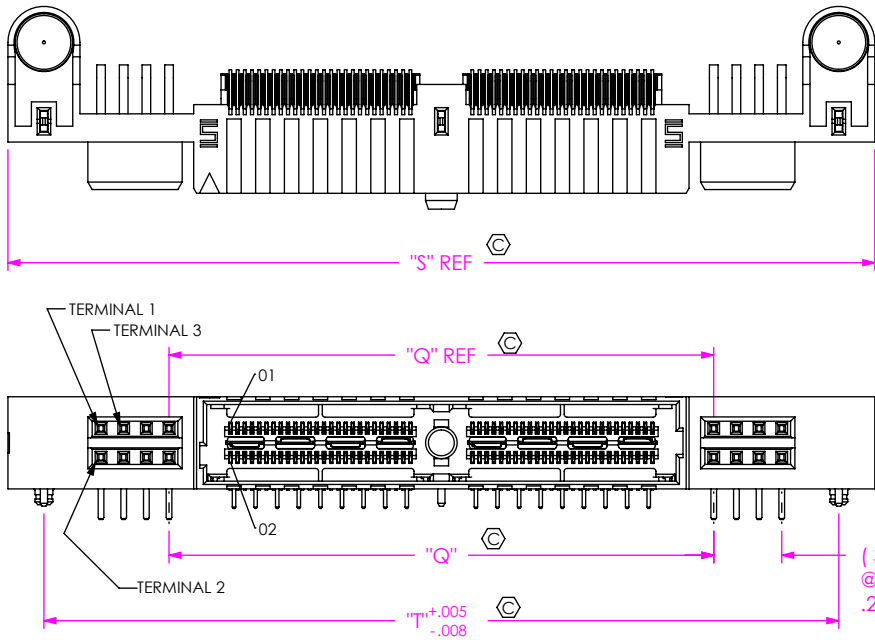


IN-PROCESS 4



IN-PROCESS 5

FIG 3
(QFS-052-01-XX-D-RA-PC8 SHOWN)
(SAME AS FIG 2, DIFFERENT AS SHOWN)



| TABLE 7 | | | | | |
|----------|----------------|---------------|----------------|----------------|----------------|
| POSITION | "P" | "Q" | "R" | "S" | "T" |
| -026 | 1.855 [47.12] | 1.051 [26.70] | 1.605 [40.77] | 2.170 [55.12] | 1.920 [48.77] |
| -052 | 2.695 [68.45] | 1.891 [48.03] | 2.445 [62.10] | 3.010 [76.45] | 2.760 [70.10] |
| -078 | 3.535 [89.79] | 2.731 [69.37] | 3.285 [83.44] | 3.850 [97.79] | 3.600 [91.44] |
| -104 | 4.375 [111.13] | 3.571 [90.70] | 4.125 [104.78] | 4.690 [119.13] | 4.440 [112.78] |

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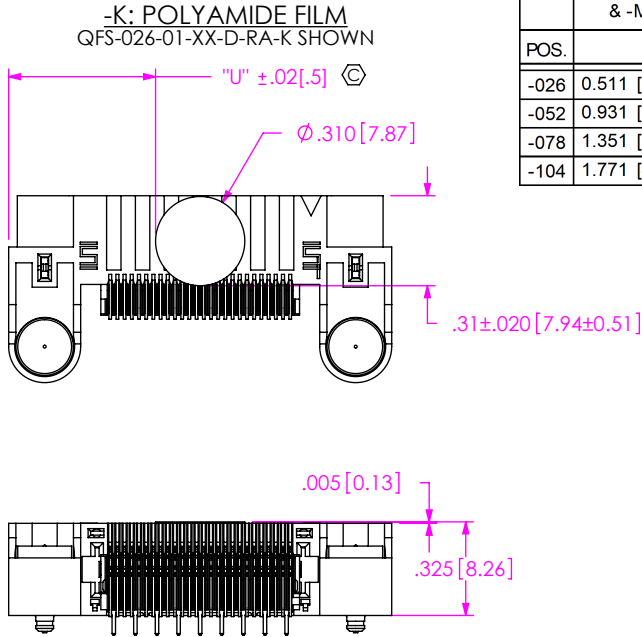
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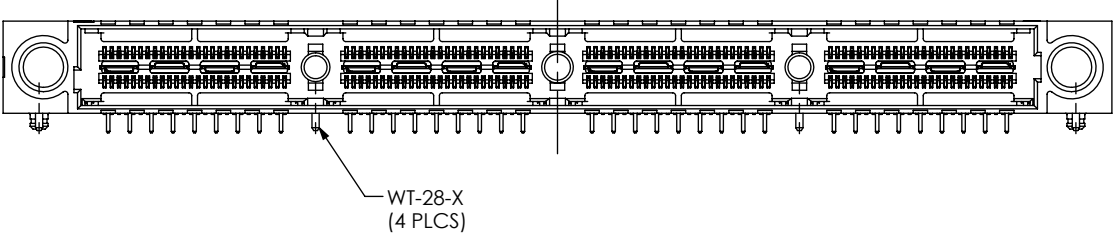
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QFS-XXX-XX-XX-D-RA-XXX-X-XX

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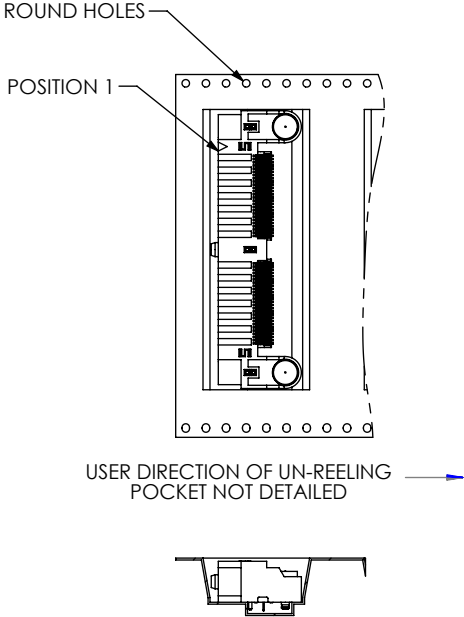


| TABLE 4 | | | |
|---------|-------------------|---------------|---------------|
| | STANDARD & -MG | -PC4 | -PC8 |
| POS. | "U" | | |
| -026 | 0.511 [12.98] | 0.774 [19.66] | 0.931 [23.65] |
| -052 | 0.931 [23.65] | 1.194 [30.33] | 1.351 [34.32] |
| -078 | 1.351 [34.32] | 1.614 [41.00] | 1.771 [44.98] |
| -104 | 1.771 [44.98] | 2.033 [51.65] | 2.091 [53.11] |

FIG 4
(QFS-104-01-XX-D-RA SHOWN)
(SAME AS FIG 1, DIFFERENT AS SHOWN)



PACKAGING VIEW
-TR: TAPE & REEL OPTION
(QFS-052-01-XX-D-RA-TR SHOWN)



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SHEET SCALE: 6:1



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BY: CLAY W 8/25/2006 SHEET 6 OF 6