

DO NOT SCALE FROM THIS PRINT

QTS-XXX-XX-XXX-D-RA-XX-XXX

No OF POSITIONS  
 -025, -050, -075, \*-100  
 [PER ROW]  
 \* = SEE NOTE 14

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

PLATING SPECIFICATION  
 (SEE TABLE 4, SHT 4)

ROW SPECIFICATION  
 -D: DOUBLE (USE QTS-25-01-D-XX-RA)

OPTION  
 -LS1: LOCKING SCREW  
 (FOR MATING WITH QSS...-RA...-LS1)  
 (USE WITH SP-18-01-TM SOLDER PIN)  
 (SEE NOTE 11 & FIG 2, SHT 5)

-LS2: LOCKING SCREW  
 (FOR MATING WITH QSS...-LS2)  
 (USE WITH SP-18-01-TM SOLDER PIN)  
 (SEE NOTE 11 & FIG 3, SHT 5)

-P: PICK AND PLACE PAD  
 (USE PPP-63, SEE FIG 4, SHT 5)

-SP: SOLDER PIN  
 (NOT AVAILABLE W/ LSX OPTIONS)  
 (USE SP-19-T, SEE FIG 5, SHT 5)

OPTION  
 -WT: WELD TAB  
 (SEE NOTE 5, USE WT-16-XX-T)

-RA: RIGHT ANGLE

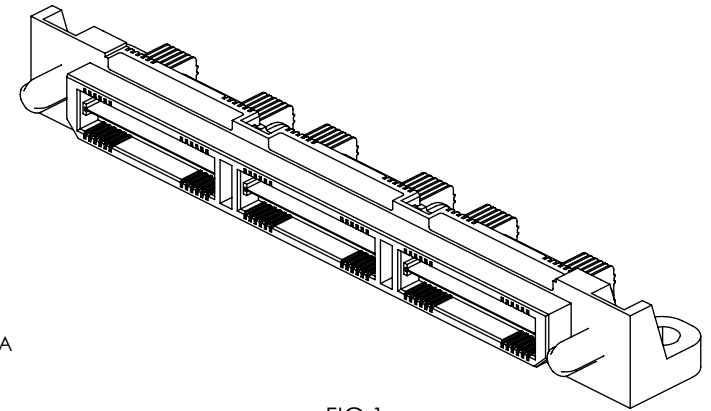
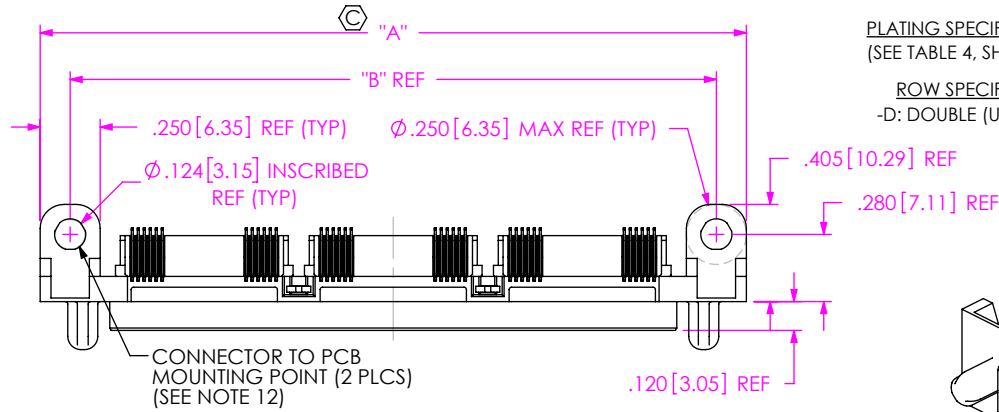


FIG 1  
 QTS-075-01-XXX-D-RA-WT SHOWN  
 (SOME CENTER DETAIL REMOVED FOR CLARITY)

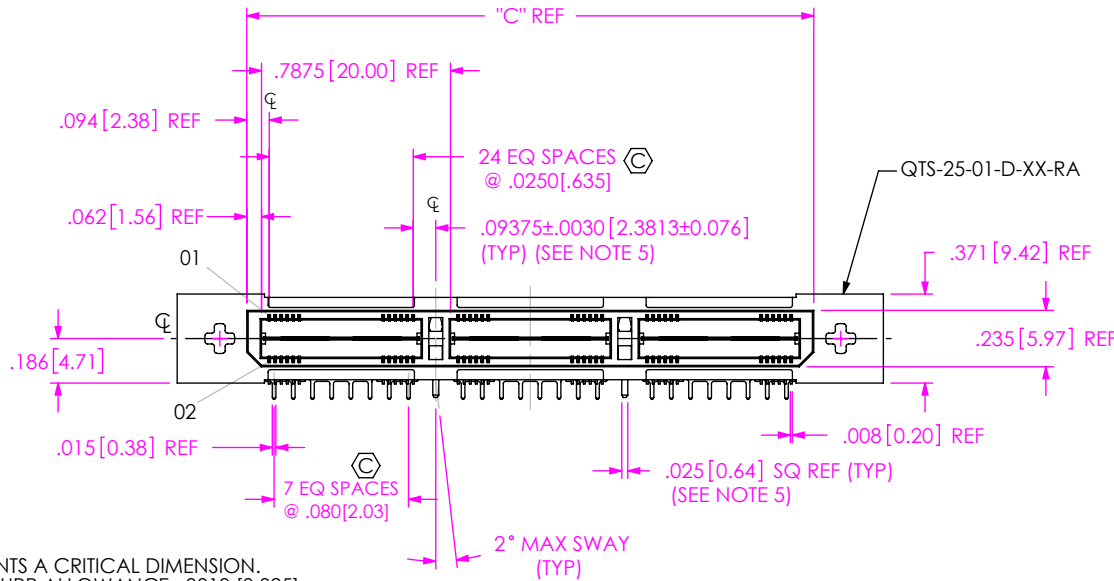


TABLE 1

| POSITION | "A"           | "B"           | "C"           | "D"           |
|----------|---------------|---------------|---------------|---------------|
| -025     | 1.368 [34.73] | 1.118 [28.38] | 0.788 [20.00] | 0.396 [10.06] |
| -050     | 2.155 [54.74] | 1.905 [48.39] | 1.575 [40.01] | 0.790 [20.07] |
| -075     | 2.943 [74.74] | 2.693 [68.39] | 2.363 [60.01] | 1.184 [30.07] |
| *-100    | 3.730 [94.74] | 3.480 [88.39] | 3.150 [80.01] | 1.578 [40.07] |

\* = SEE NOTE 14

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. MAXIMUM BURR ALLOWANCE: .0010 [0.025] .
3. MINIMUM PUSHOUT FORCE: 5 OZ.
4. NOTE DELETED.
5. -WT OPTION MUST BE SELECTED FOR -050, -075 & -100 POSITIONS.
6. TIPS OF TERMINALS MAY NOT EXTEND BEYOND THIS SURFACE.
7. IF NEEDED, -L PLATING CAN BE SUBSTITUTED FOR -F PLATING.
8. DESIGNED FOR USE WITH A .062 [1.57] OR .093 [2.36] THICK PCB.
9. PACKAGE IN TRAYS AS STANDARD.
10. NOTE DELETED.
11. MAXIMUM TORQUE ON STS-02 TO BE 20 IN-OZ.
12. TORQUE TO BE 10.0 IN-OZ USING 4-40 UNC SCREW.
13. USE -Z- DATUM ZONE ONLY FOR MEASUREMENTS.
14. AVAILABLE FOR EXISTING CUSTOMERS ONLY.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES  
 .XX: ±.01 [0.3] 2°  
 .XXX: ±.005 [0.13]  
 .XXXX: ±.0020 [0.051]

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MATERIAL: DO NOT SCALE DRAWING  
 INSULATOR: LCP, COLOR: BLACK  
 TERMINAL, WELD TAB & GROUND PLANE: PHOS BRONZE  
 SCREW: STEEL

SHEET SCALE: 1:0.8

DESCRIPTION:  
 .635mm DOUBLE ROW RIGHT ANGLE TERMINAL STRIP

DWG. NO.  
 QTS-XXX-XX-XXX-D-RA-XX-XXX

BY: KEVIN B 08/03/01 SHEET 1 OF 5

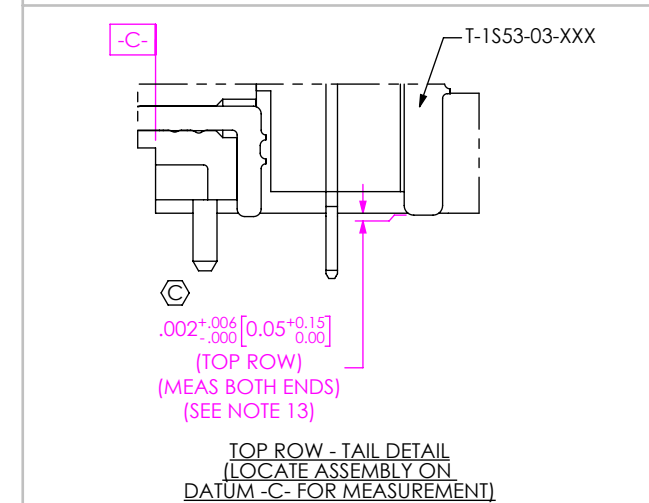
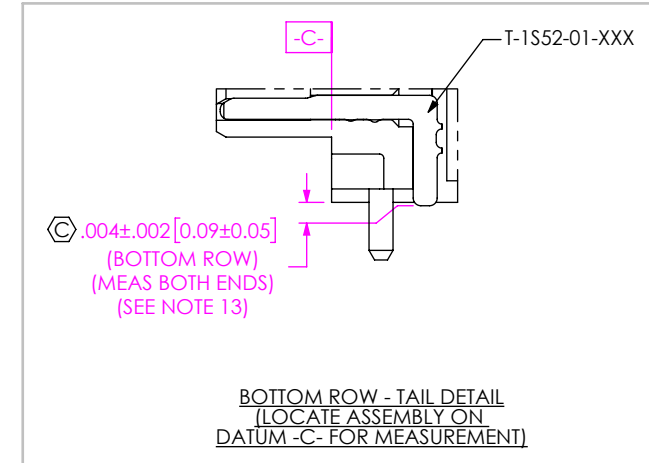
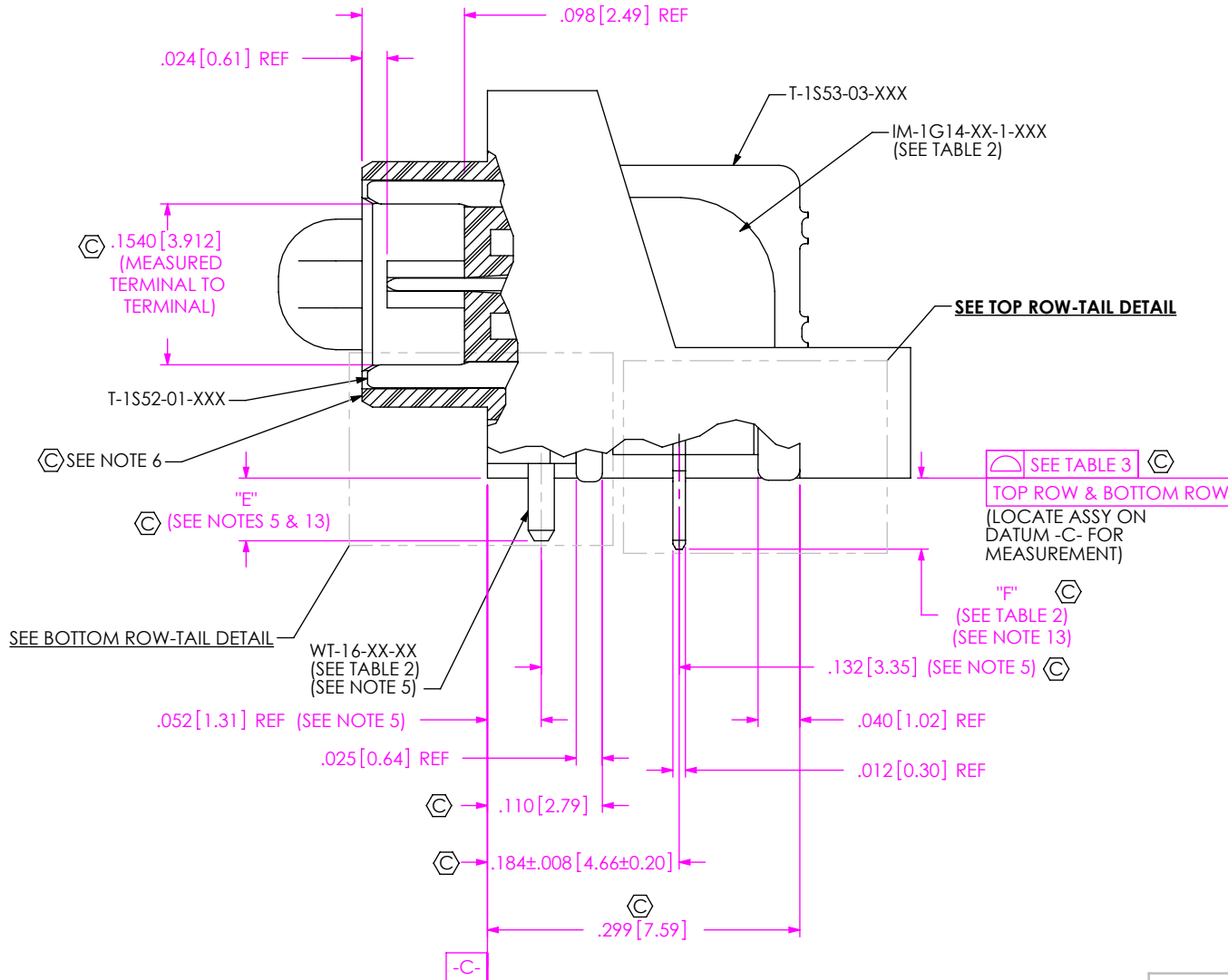


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| TABLE 2    |            |            |                  |            |
|------------|------------|------------|------------------|------------|
| LEAD STYLE | "E"        | "F"        | IM-1G14-XX-1-XXX | WT-16-XX-T |
| -01        | .060[1.52] | .068[1.73] | IM-1G14-01-1-XXX | WT-16-01-T |
| -02        | .125[3.18] | .125[3.18] | IM-1G14-02-1-XXX | WT-16-03-T |

| TABLE 3         |             |                    |                    |
|-----------------|-------------|--------------------|--------------------|
| NO OF POSITIONS | COPLANARITY | STRAIGHTNESS ROW 1 | STRAIGHTNESS ROW 2 |
| -025 THRU -075  | .004[.10]   | .004[.10]          | .004[.10]          |
| *-100           | .006[.15]   | .006[.15]          | .006[.15]          |

\* = SEE NOTE 14



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SHEET SCALE: 6:1



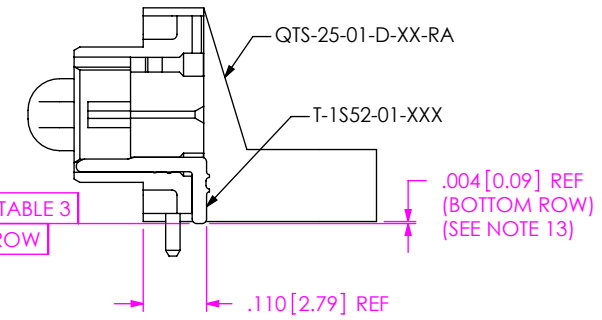
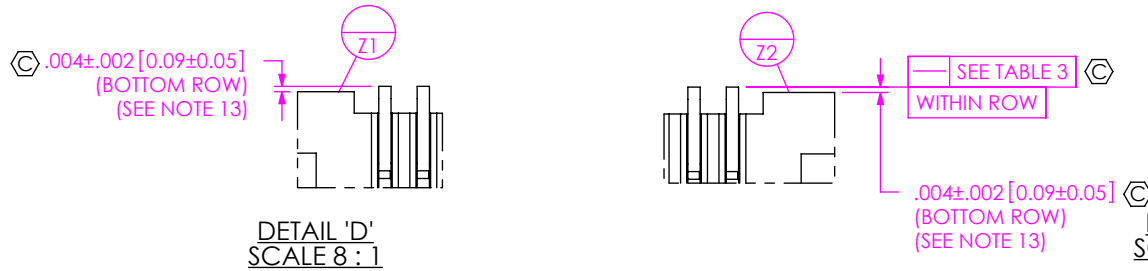
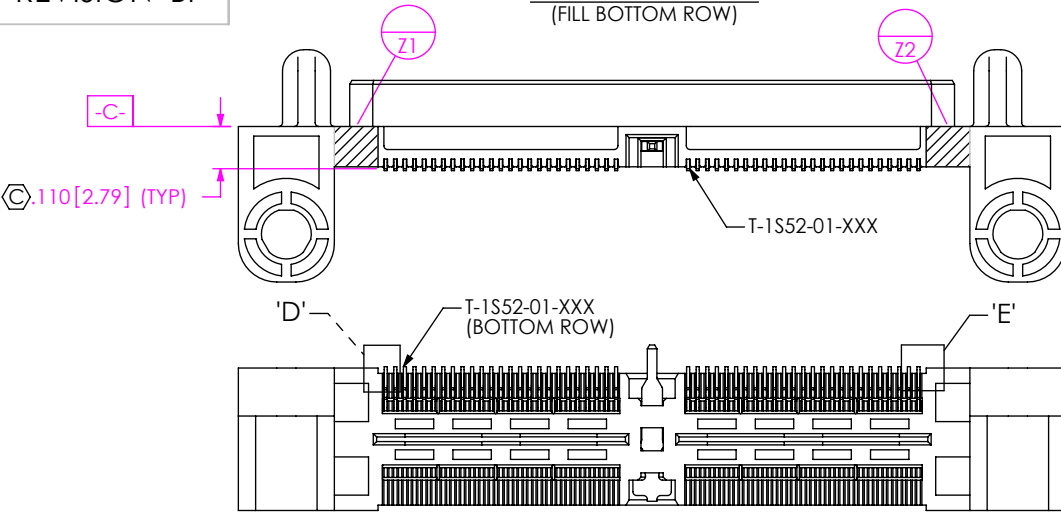
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 .635mm DOUBLE ROW RIGHT ANGLE TERMINAL STRIP

DWG. NO.  
**QTS-XXX-XX-XXX-D-RA-XX-XXX**

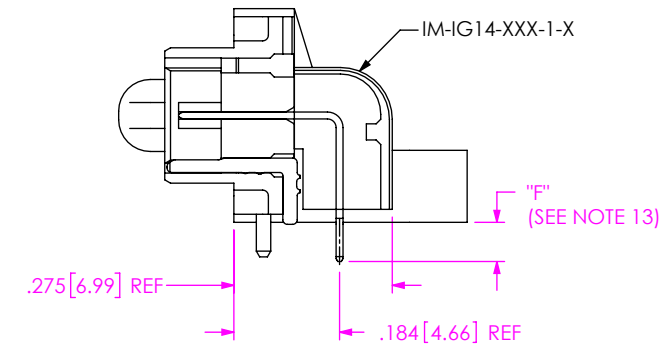
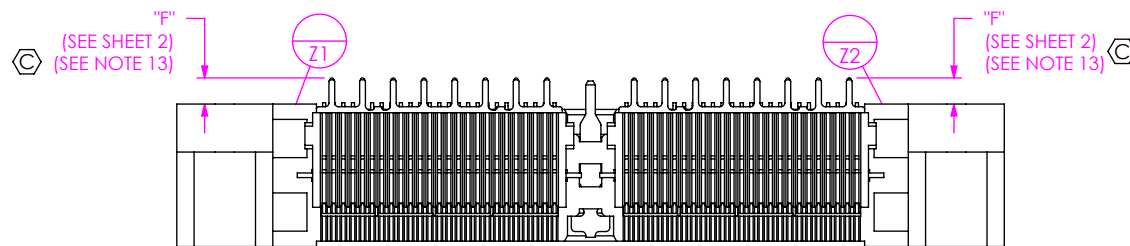
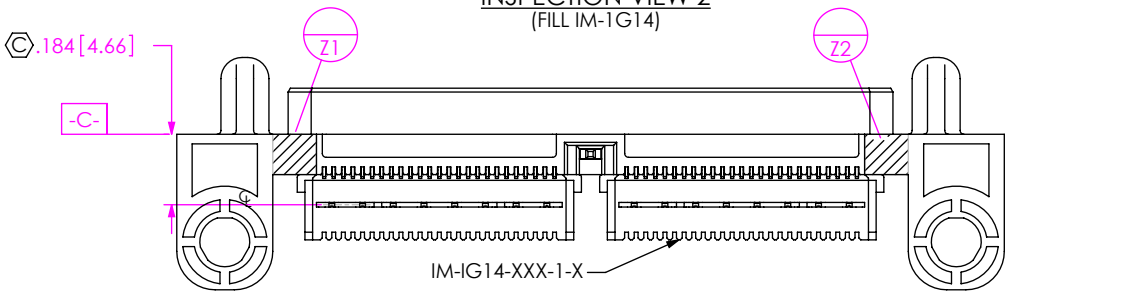
BY: KEVIN B 08/03/01 SHEET 2 OF 5

**INSPECTION VIEW 1**  
(FILL BOTTOM ROW)



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

**INSPECTION VIEW 2**  
(FILL IM-1G14)



**IN-PROCESS 2**  
(FILL IM-1G14)  
(SEE INSPECTION VIEW 2 FOR ORIENTATION AND CPC'S)

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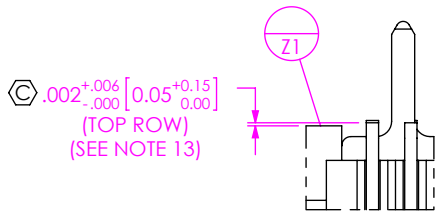
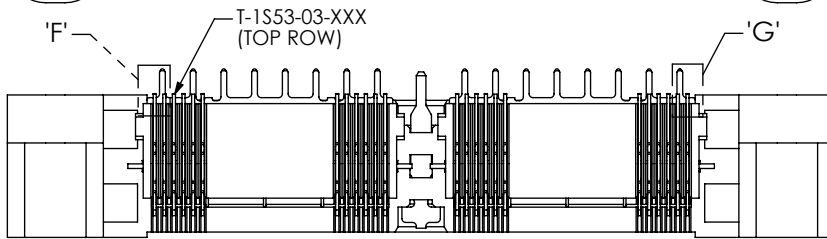
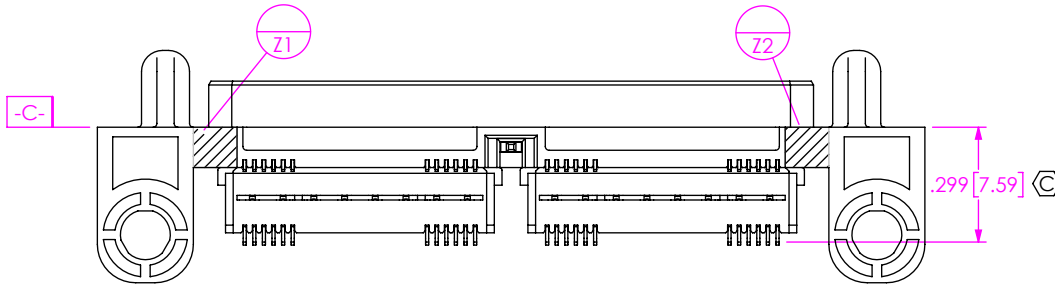
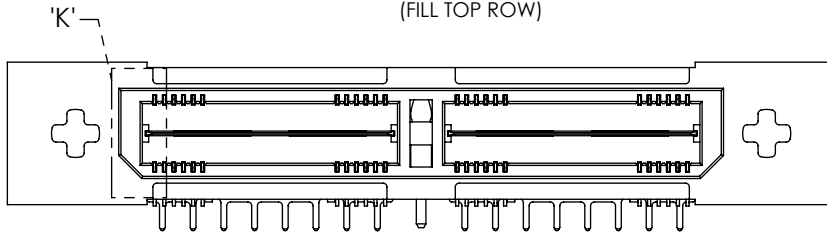
SHEET SCALE: 6:1

DESCRIPTION:  
.635mm DOUBLE ROW RIGHT ANGLE TERMINAL STRIP

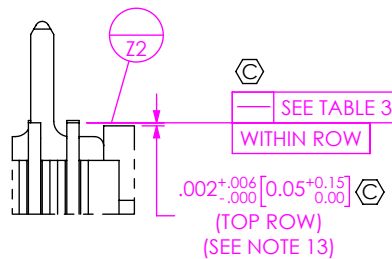
DWG. NO.  
**QTS-XXX-XX-XXX-D-RA-XX-XXX**

BY: KEVIN B 08/03/01 SHEET 3 OF 5

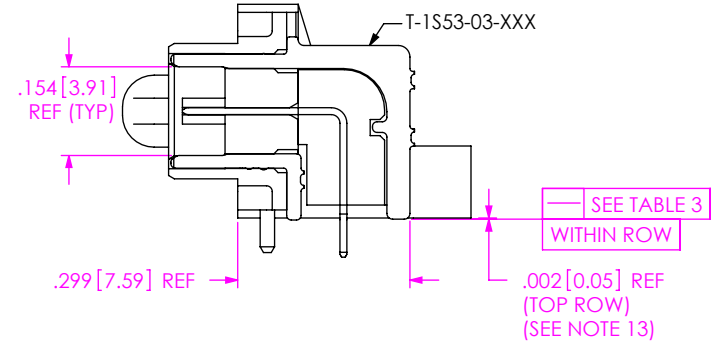
INSPECTION VIEW 3  
(FILL TOP ROW)



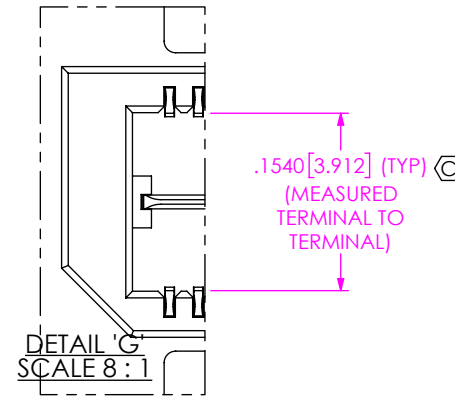
DETAIL 'F'  
SCALE 8:1



DETAIL 'G'  
SCALE 8:1



IN-PROCESS 3  
(FILL TOP ROW)  
(SEE INSPECTION VIEW 3 FOR ORIENTATION AND CPC'S)



DETAIL 'G'  
SCALE 6:1

TABLE 4: PLATING SPECIFICATIONS (SEE NOTE 7)

|      | CONTACT   | CONTACT   | GROUND PLANE   |
|------|---|---|--|
| -F   | T-1S52-01-F: 3µ" FLASH GOLD CONTACT, MATTE TIN TAIL                     | T-1S53-03-F: 3µ" FLASH GOLD CONTACT, MATTE TIN TAIL                     | IM-1G14-XX-F: 3µ" FLASH GOLD CONTACT, MATTE TIN TAIL                     |
| -L   | T-1S52-01-L: 10µ" LIGHT GOLD CONTACT, MATTE TIN TAIL                    | T-1S53-03-L: 10µ" LIGHT GOLD CONTACT, MATTE TIN TAIL                    | IM-1G14-XX-L: 10µ" LIGHT GOLD CONTACT, MATTE TIN TAIL                    |
| -H   | T-1S52-01-H: 30µ" HEAVY GOLD CONTACT, 3µ" FLASH GOLD TAIL               | T-1S53-03-H: 30µ" HEAVY GOLD CONTACT, 3µ" FLASH GOLD TAIL               | IM-1G14-XX-L: 10µ" LIGHT GOLD CONTACT, MATTE TIN TAIL                    |
| -STL | T-1S52-01-STL: 30µ" SELECTIVE GOLD CONTACT, TIN/LEAD (90/10 +/-5%) TAIL | T-1S53-03-STL: 30µ" SELECTIVE GOLD CONTACT, TIN/LEAD (90/10 +/-5%) TAIL | IM-1G14-XX-STL: 30µ" SELECTIVE GOLD CONTACT, TIN/LEAD (90/10 +/-5%) TAIL |
| -FTL | T-1S52-01-FTL: 3µ" FLASH GOLD CONTACT, TIN/LEAD (90/10 +/-5%) TAIL      | T-1S53-03-FTL: 3µ" FLASH GOLD CONTACT, TIN/LEAD (90/10 +/-5%) TAIL      | IM-1G14-XX-FTL: 3µ" FLASH GOLD CONTACT, TIN/LEAD (90/10 +/-5%) TAIL      |

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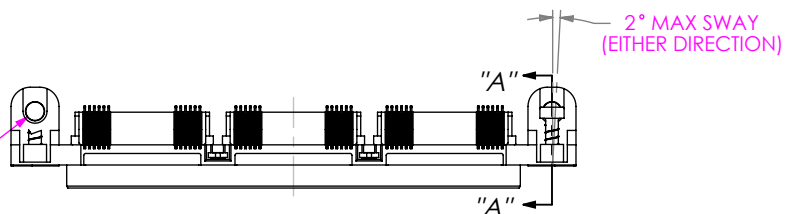
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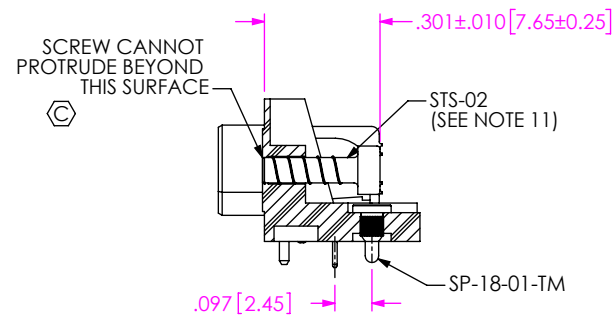
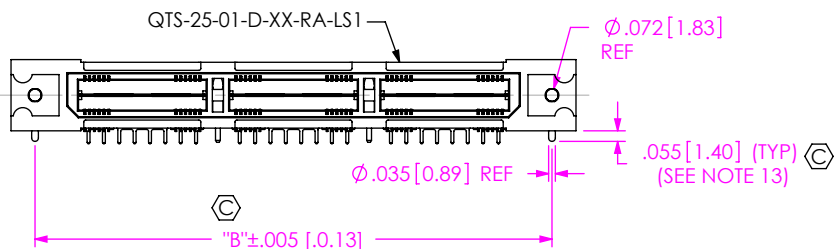
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DESCRIPTION:  
.635mm DOUBLE ROW RIGHT ANGLE TERMINAL STRIP  
DWG. NO.  
**QTS-XXX-XX-XXX-D-RA-XX-XXX**  
BY: KEVIN B 08/03/01 SHEET 4 OF 5

$\phi .100 [2.54]$  REF  
(STS SCREW REMOVED FOR CLARITY)



QTS-25-01-D-XX-RA-LS1



SECTION "A"- "A"  
SCALE 2:1

FIG 2

-LS1 OPTION  
(QTS-075-01-XXX-D-RA-WT-LS1 SHOWN)  
(SAME AS FIG 1, EXCEPT AS SHOWN)  
(AVAILABLE ON -01 LEADSTYLE ONLY)

QTS-25-01-D-XX-RA-LS2

$\phi .096 [2.44]$  REF  
(CLEARANCE HOLE FOR USE WITH 2-56 SCREW)

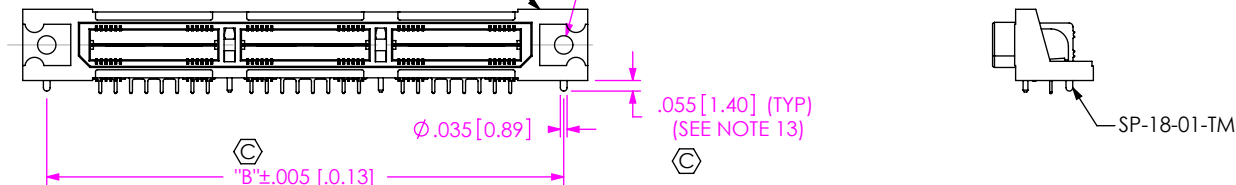


FIG 3  
-LS2 OPTION  
(QTS-075-01-XXX-D-RA-WT-LS2 SHOWN)  
(SAME AS FIG 2, EXCEPT AS SHOWN)

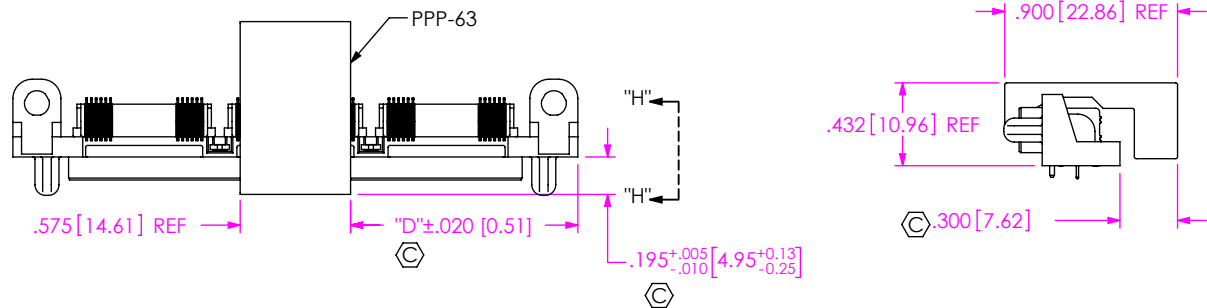


FIG 4  
-P OPTION  
(QTS-075-01-XXX-D-RA-WT-P SHOWN)  
(SAME AS FIG 1, EXCEPT AS SHOWN)

VIEW "H"- "H"  
SCALE 1 : 1

(ROTATED 90° CW)

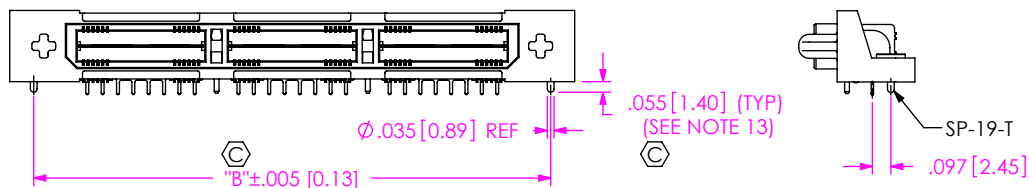


FIG 5  
-SP OPTION  
(QTS-075-01-XXX-D-RA-WT-SP SHOWN)  
(SAME AS FIG 1, EXCEPT AS SHOWN)

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BY: KEVIN B 08/03/01 SHEET 5 OF 5