

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

No OF POSITIONS
-025, -050, -075, -100
[PER ROW]
(SEE NOTE 5)

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 4)

-LS2: LOCKING SCREW
(FOR MATING WITH QSS...-LS2)
(USE WITH SP-18-01-TM SOLDER PIN)
(SEE NOTE 11 & FIG 3, SHT 4)

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

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

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

-RA: RIGHT ANGLE

DO NOT
SCALE FROM
THIS PRINT

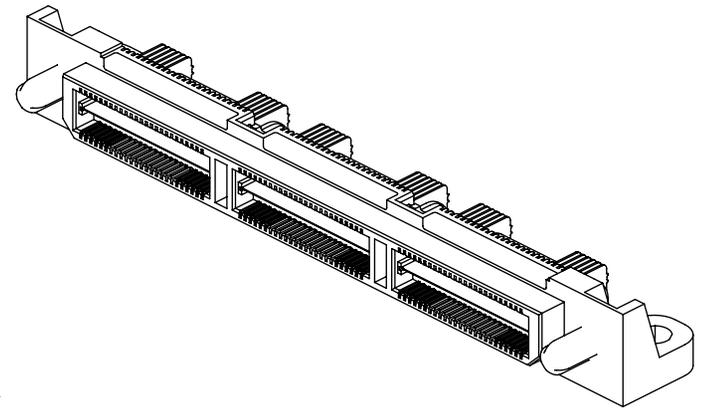
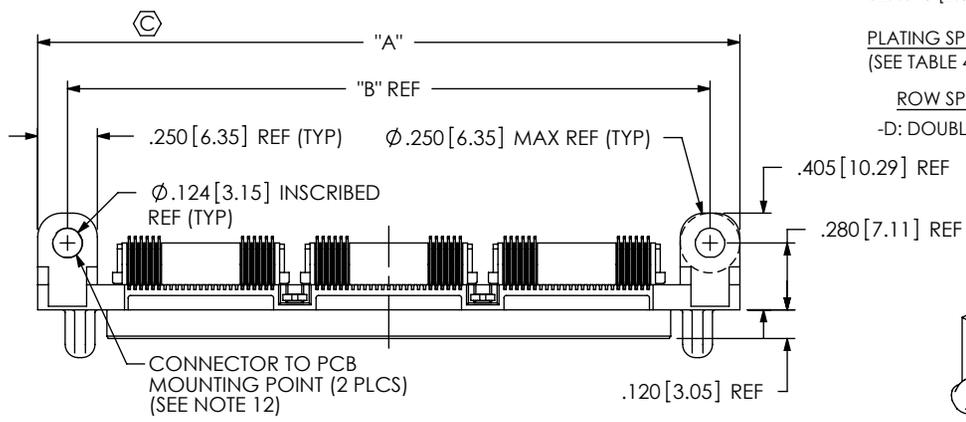
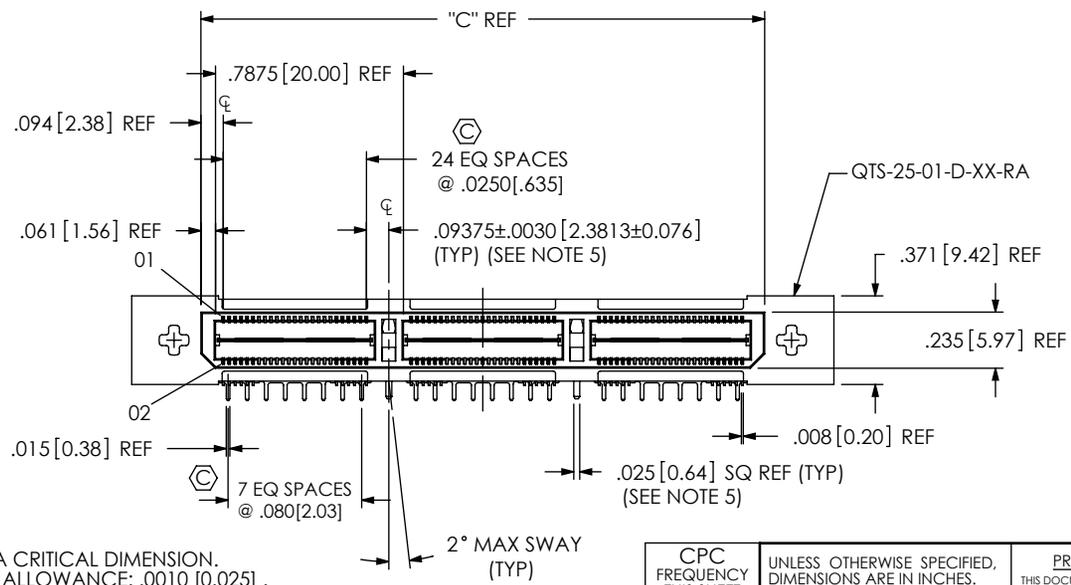


FIG 1
QTS-075-01-XXX-D-RA-WT SHOWN
(SOME CENTER DETAIL REMOVED FOR CLARITY)



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]

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. MAXIMUM BURR ALLOWANCE: .0010 [0.025] .
3. MINIMUM PUSHOUT FORCE: 5 OZ.
4. NOTE DELETED.
5. WELD TABS NOT AVAILABLE ON -025 POSITION.
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.

CPC FREQUENCY THIS SHEET	
A	C1
B	
C	
D	

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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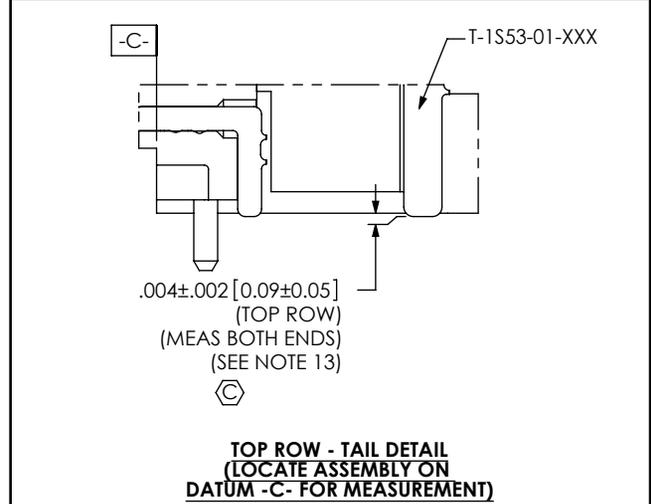
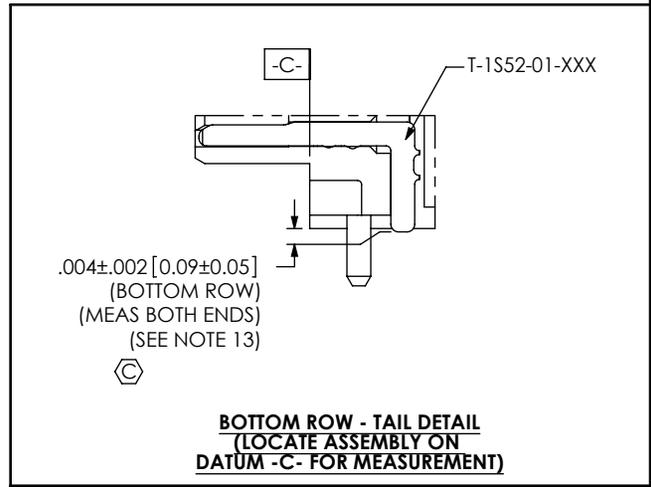
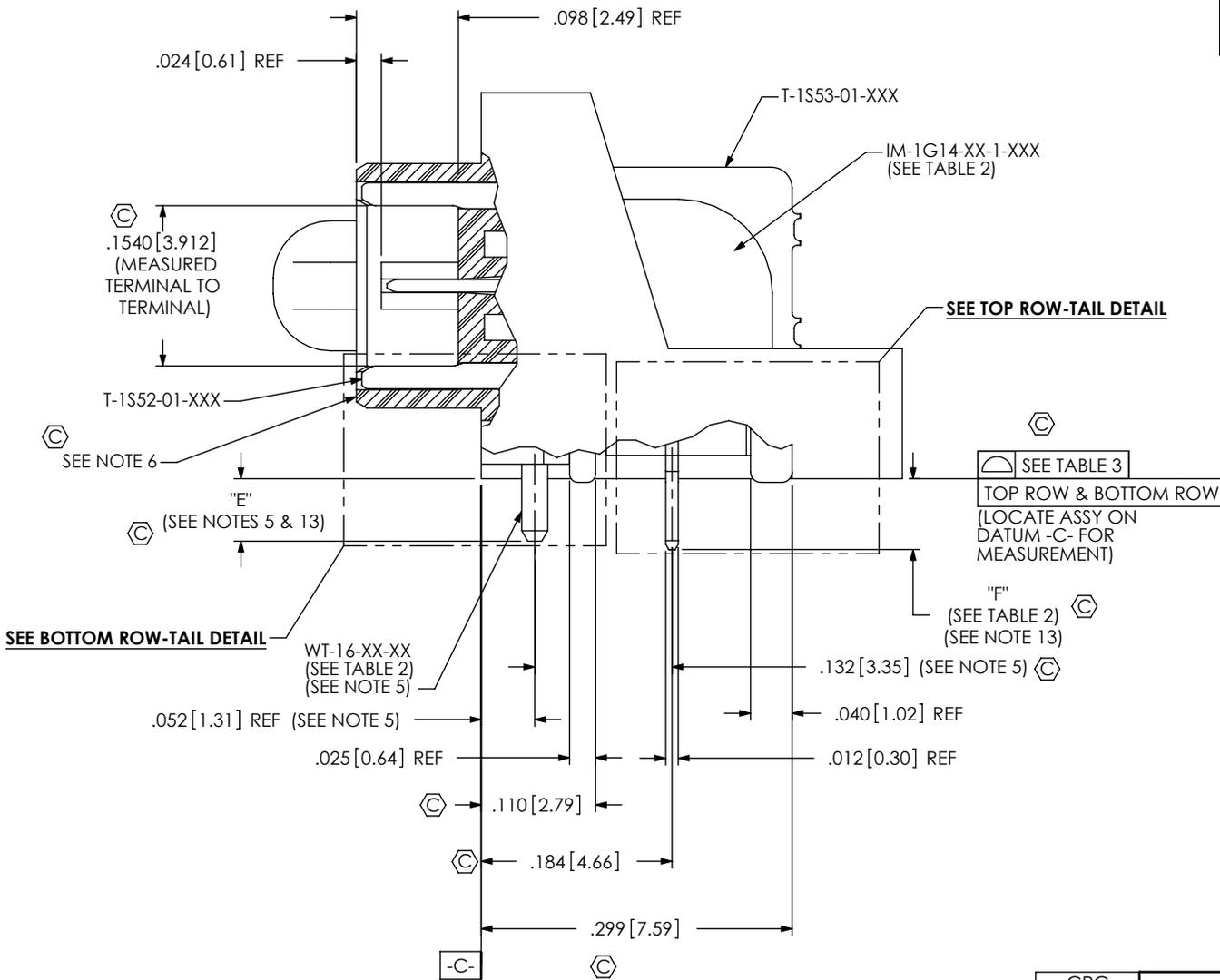
MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1:0.8
INSULATOR: LCP, COLOR: BLACK
TERMINAL, WELD TAB & GROUND PLANE: PHOS BRONZE
SCREW: STEEL

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 DOUBLE ROW RIGHT ANGLE TERMINAL STRIP
DWG. NO.
QTS-XXX-XX-XXX-D-RA-WT-XXX
BY: KEVIN B 08/03/01 SHEET 1 OF 5

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 BOTTOM ROW-TAIL DETAIL

SEE TOP ROW-TAIL DETAIL

SEE TABLE 3
TOP ROW & BOTTOM ROW
(LOCATE ASSY ON
DATUM -C- FOR
MEASUREMENT)

"F"
(SEE TABLE 2)
(SEE NOTE 13)

WT-16-XX-XX
(SEE TABLE 2)
(SEE NOTE 5)

CPC FREQUENCY THIS SHEET	
A	
B	C4, C5, C6, C7, C9, C10, C11, C13, C18
C	
D	

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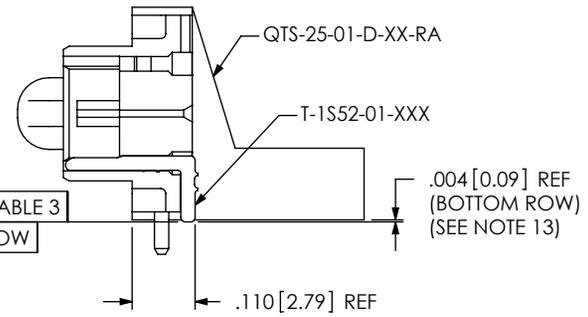
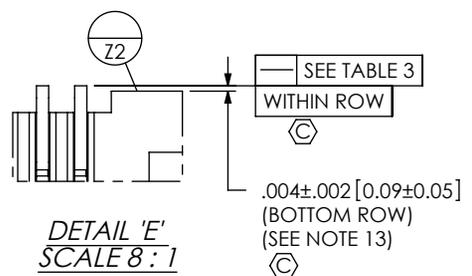
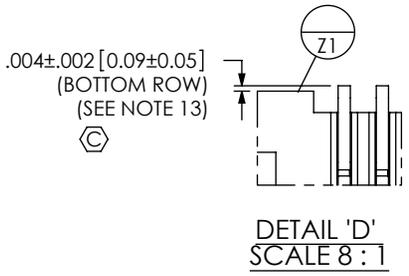
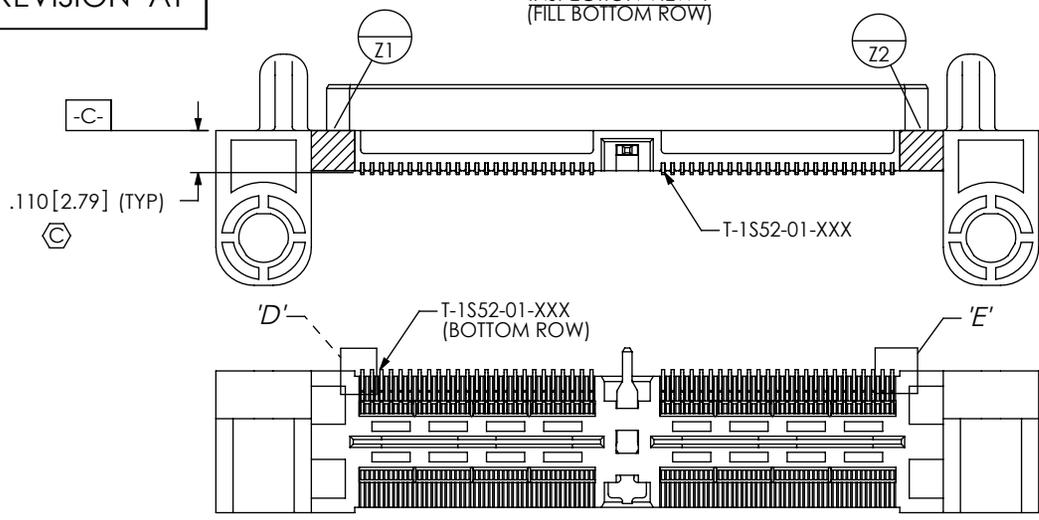
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SHEET SCALE: 6:1

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

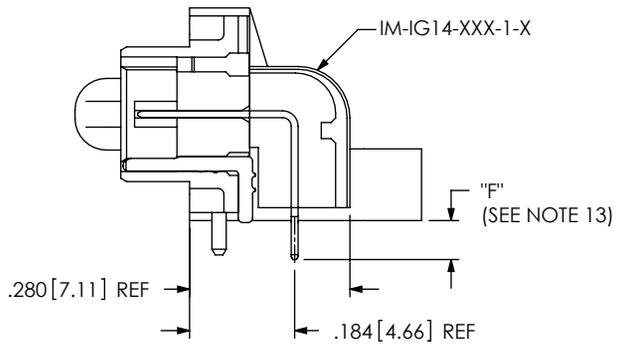
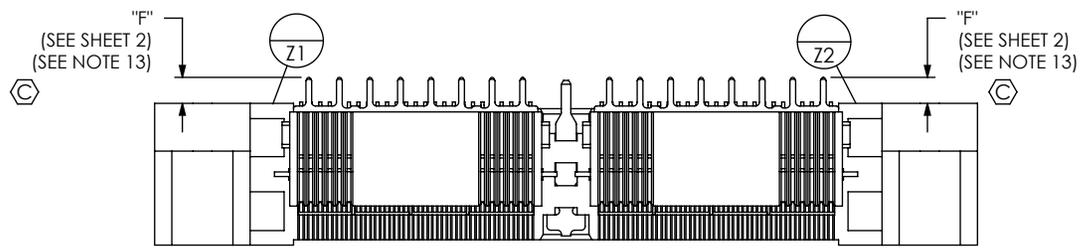
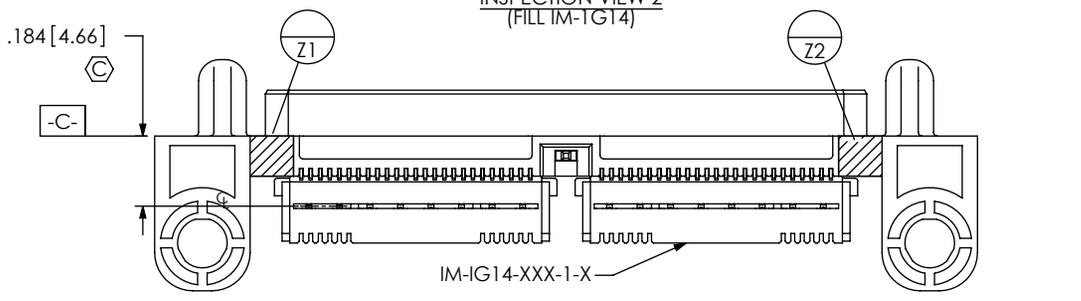
REVISION AT

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-TG14)



IN-PROCESS 2
(FILL IM-TG14)
(SEE INSPECTION VIEW 2 FOR ORIENTATION AND CPC'S)

CPC FREQUENCY THIS SHEET	
A	C23
B	C7, C8, C18
C	
D	

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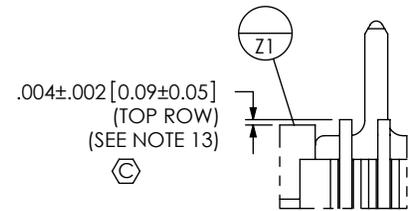
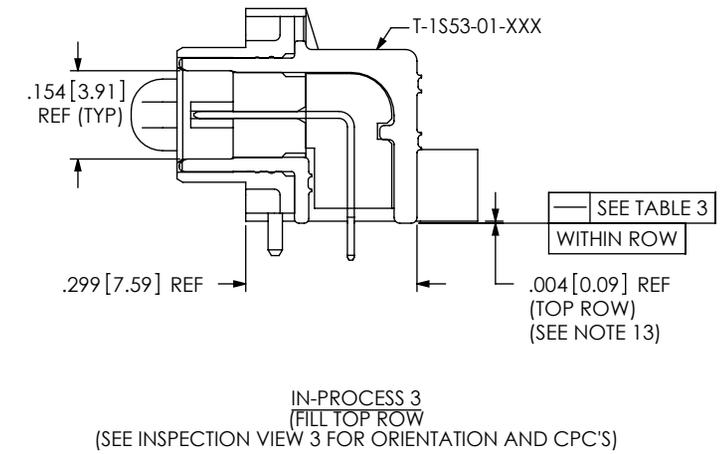
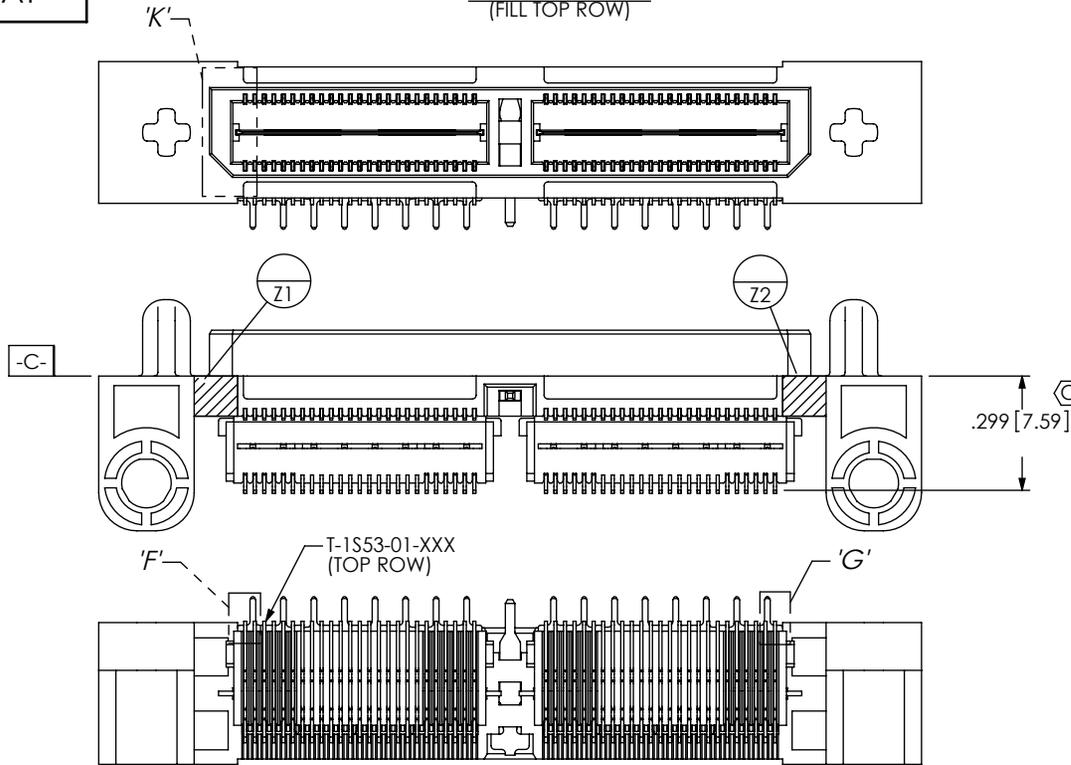
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.635mm DOUBLE ROW RIGHT ANGLE TERMINAL STRIP

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

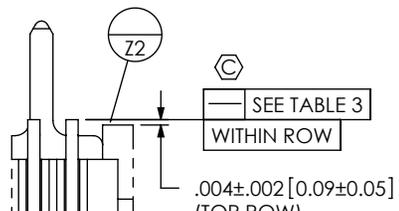
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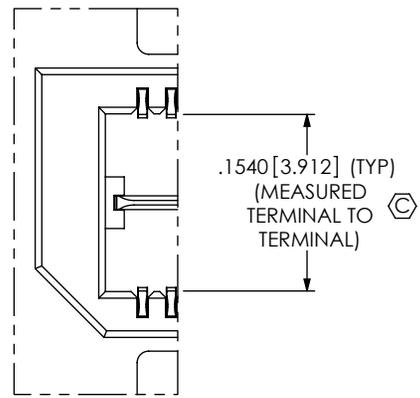
INSPECTION VIEW 3
(FILL TOP ROW)



DETAIL 'F'
SCALE 8:1



DETAIL 'G'
SCALE 8:1



DETAIL 'K'
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-1S53-01-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-1S53-01-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-1S53-01-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-1S53-01-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-1S53-01-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

CPC FREQUENCY THIS SHEET	
A	C23
B	C4, C9, C13
C	
D	

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BY: KEVIN B 08/03/01 SHEET 4 OF 5

Ø.100 [2.54] REF
(STS SCREW REMOVED FOR CLARITY)

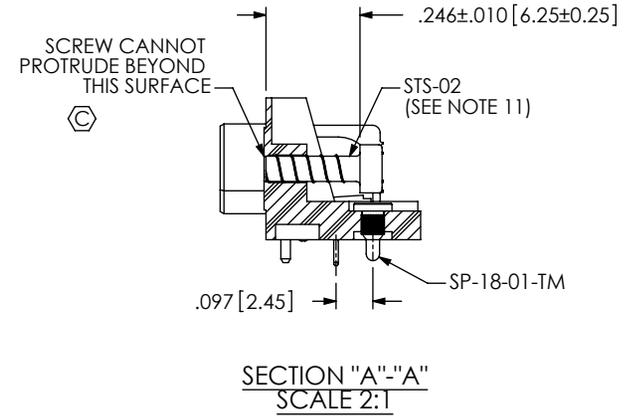
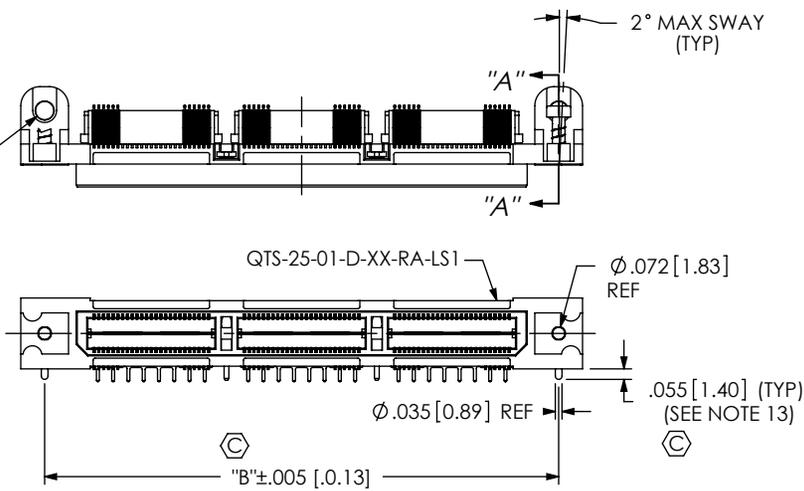


FIG 2
-LS1 OPTION
(QTS-075-01-XXX-D-RA-WT-LS1 SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)
(AVAILABLE ON -01 LEADSTYLE ONLY)

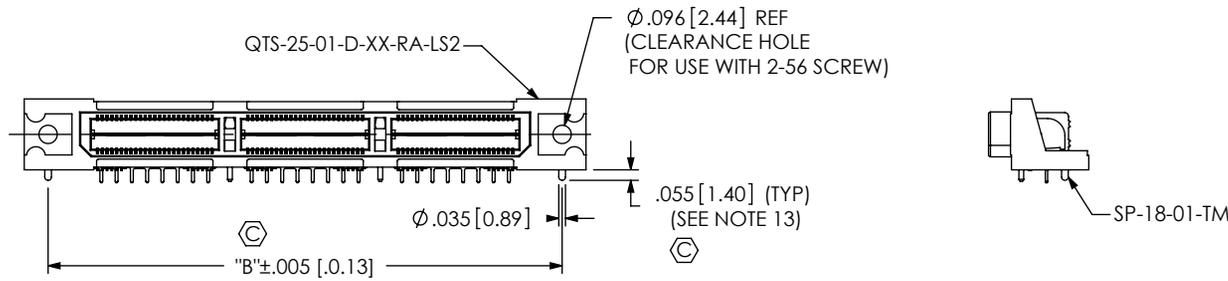


FIG 3
-LS2 OPTION
(QTS-075-01-XXX-D-RA-WT-LS2 SHOWN)
(SAME AS FIG 2, EXCEPT AS SHOWN)

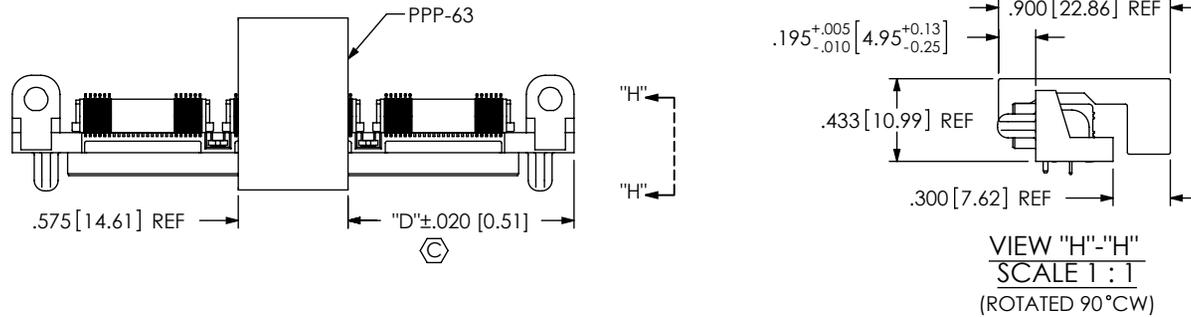


FIG 4
-P OPTION
(QTS-075-01-XXX-D-RA-WT-P SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)

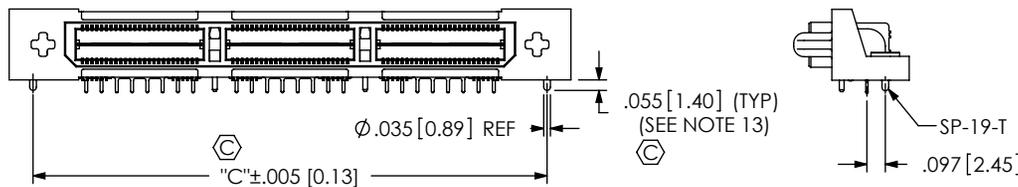


FIG 5
-SP OPTION
(QTS-075-01-XXX-D-RA-WT-SP SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)

CPC FREQUENCY THIS SHEET	
A	
B	C14, C15, C19, C20
C	
D	

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