

No OF POSITIONS (PER ROW)
-030, -060, -090

LEAD STYLE
-01
(SEE NOTE 12)

PLATING SPECIFICATION
(SEE SHEET 2, TABLE 4)

-F: 3µ" SELECTIVE GOLD ON CONTACT AREA,
MATTE TIN ON TAIL
-L: 10µ" SELECTIVE GOLD ON CONTACT AREA,
MATTE TIN ON TAIL

OPTION
-PGP: PLASTIC GUIDE POSTS
(SEE FIG 3, SHT 5)
*-MGP: METAL GUIDE POSTS
(SEE FIG 2, SHT 5)
-K: KAPTON DOT
(SEE FIG 5, SHT 6)
(USE K-DOT-.276-.375-.005)
*-LS1: LOCKING SCREW
(SEE FIG 4, SHT 6)
(FOR MATING WITH
QSH-...-RA-..LS1)

-RA: RIGHT ANGLE

ROW SPECIFICATION
-D: DOUBLE

* = NOT TOOLED

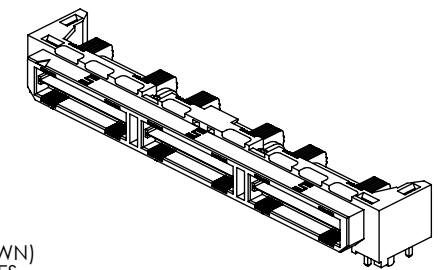
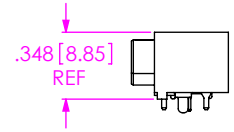
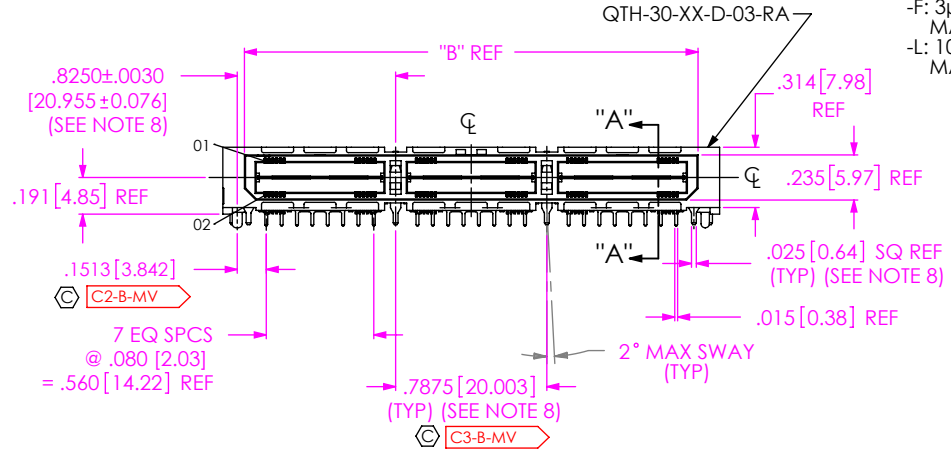
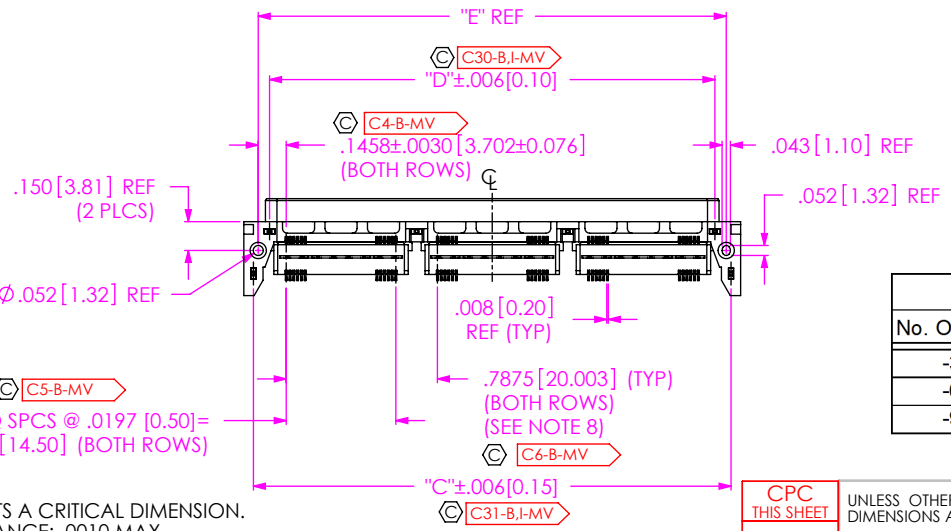


FIG 1
(QTH-090-XXX-D-RA SHOWN)
(SOME CENTER FEATURES
REMOVED FOR CLARITY)



No. OF POS	"A"	"B"	"C"	"D"	"E"
-30	1.013 [25.72]	.787 [20.00]	.913 [23.18]	.745 [18.91]	.862 [21.89]
-60	1.800 [45.72]	1.575 [40.01]	1.700 [43.18]	1.532 [38.91]	1.650 [41.91]
-90	2.588 [65.72]	2.363 [60.01]	2.488 [63.18]	2.320 [58.92]	2.437 [61.90]

DO NOT
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THIS PRINT

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. BURR ALLOWANCE: .0010 MAX.
3. MINIMUM PUSHOUT FORCE: SIGNAL: 6 OZ.
GROUND PLANE & WELD TABS: 1.0 LB.
4. IF NEEDED, -L PLATING CAN BE SUBSTITUTED FOR -F PLATING.
5. MAX TORQUE ON STS-02 TO BE 20 IN-OZ. USE DRIVER COMPATIBLE WITH 61P TORX HEAD.
6. TIPS OF TERMINALS MAY NOT EXTEND BEYOND THIS SURFACE.
7. ASSEMBLIES TO BE PACKAGED IN TRAYS.
8. CENTER WELD TABS ARE NOT AVAILABLE ON -030 & -060 POSITION.
9. USE -Z- DATUM ZONE ONLY FOR MEASUREMENTS.
10. DIMENSION TO BE MEASURED ON BOTH ENDS OF THE PART.
11. SEE APPLICABLE IN-PROCESS VIEW FOR INSPECTION ORIENTATION.
12. DESIGNED FOR USE WITH A .062 OR .093 PCB.


CPC
THIS SHEET

C1, C2, C3,
C4, C5, C6,
C30, C31

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS ANGLES
.XX: ±.01 [0.3]
.XXX: ±.005 [0.13]
.XXXX: ±.0020 [0.051]

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1:1
INSULATOR: LCP UL94V-0, COLOR: BLACK
TERMINAL, GROUND PLANE & WELD TAB: PHOS BRONZE



520 PARK EAST BLVD, NEW ALBANY, IN 47150
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e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
.50mm DOUBLE ROW RIGHT ANGLE TERMINAL STRIP
DWG. NO.
QTH-XXX-XX-X-D-RA-XXX
BY: DUKES Z 02/13/2010 SHEET 1 OF 6

TABLE 2			
No OF POSITIONS	COPLANARITY	STRAIGHTNESS ROW 1	STRAIGHTNESS ROW 2
-030 THRU -090	.004[0.10]	.004[0.10]	.004[0.10]

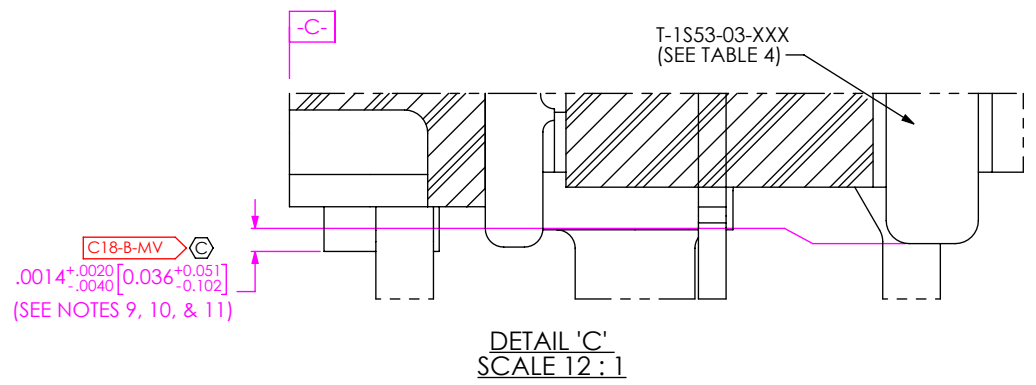
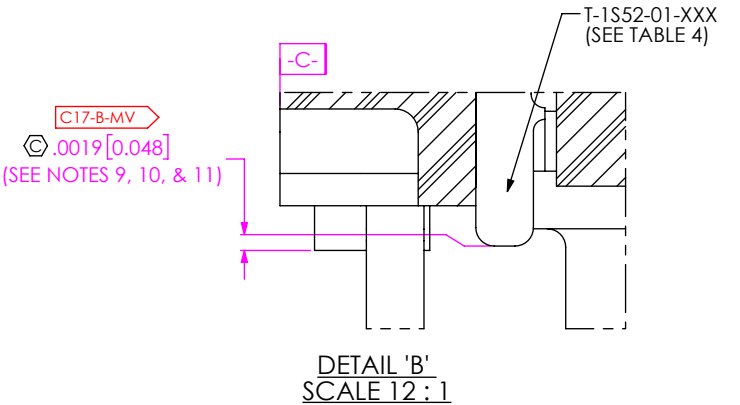
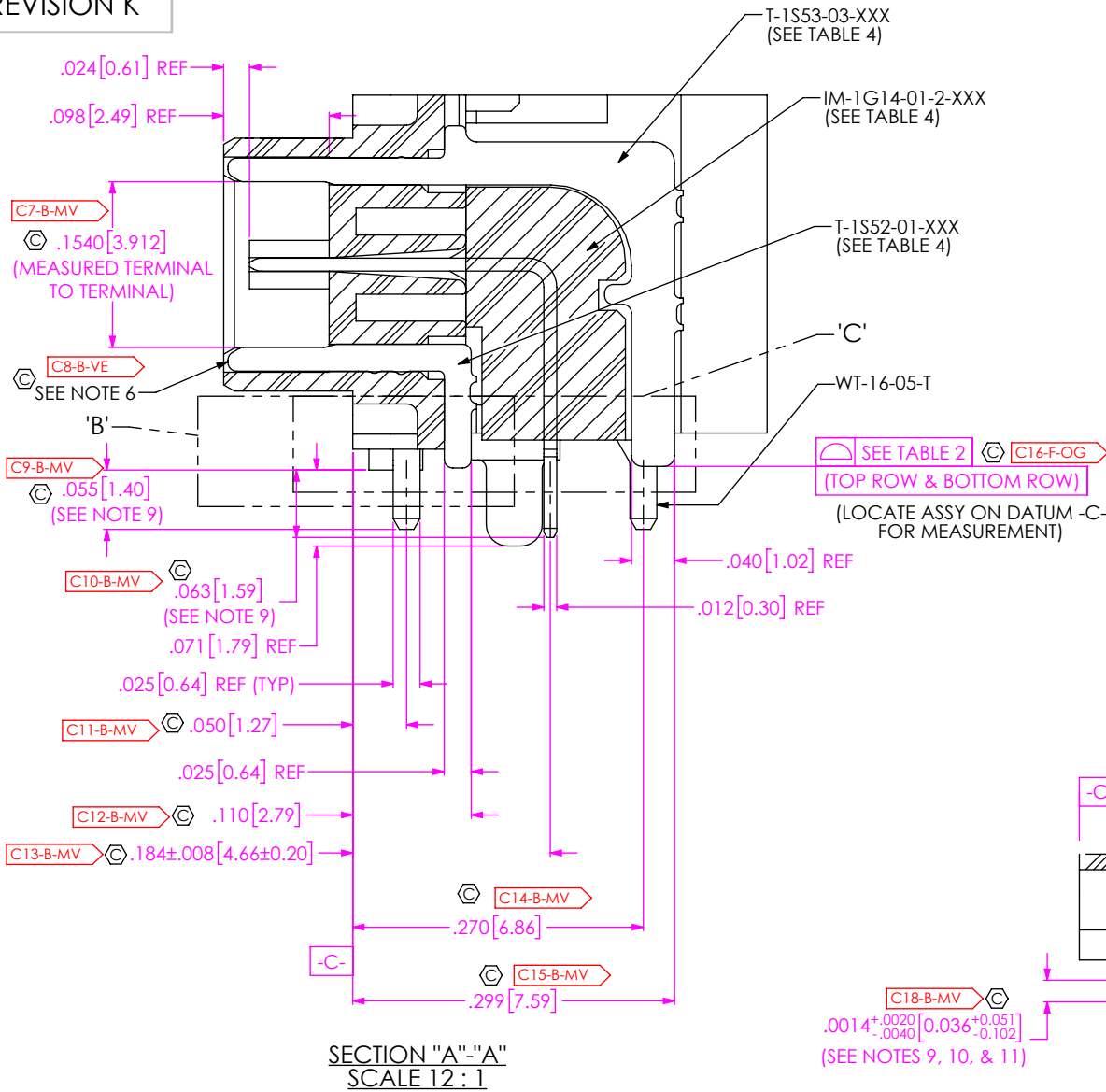


TABLE 4: PLATING SPECIFICATIONS

	T-1S52-01-X CONTACT	T-1S53-03-X CONTACT	IM-1G14-01-2-X GROUND PLANE	WT-16-05-T WELD TAB	WT-74-01-T METAL GUIDE POST
-F	3 - 5µ" MIN. FLASH GOLD ON CONTACT, MATTE TIN TAIL	3 - 5µ" MIN. FLASH GOLD ON CONTACT, MATTE TIN TAIL	3µ" MIN. FLASH GOLD ON CONTACT, MATTE TIN TAIL	MATTE TIN	MATTE TIN
-L	10µ" MIN. LIGHT GOLD ON CONTACT, MATTE TIN TAIL	10µ" MIN. LIGHT GOLD ON CONTACT, MATTE TIN TAIL	10µ" MIN. LIGHT GOLD ON CONTACT, MATTE TIN TAIL	MATTE TIN	MATTE TIN

CPC THIS SHEET

C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17

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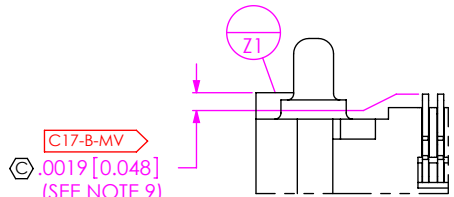
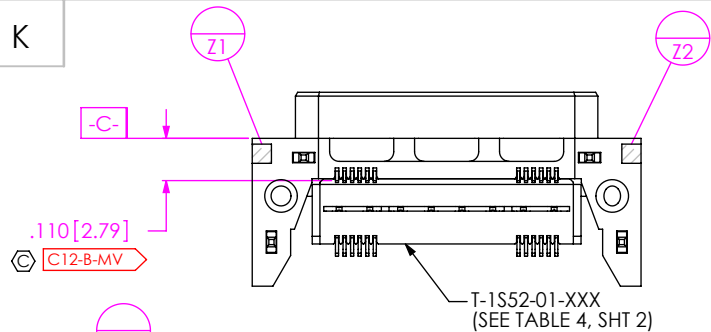
SHEET SCALE: 6:1

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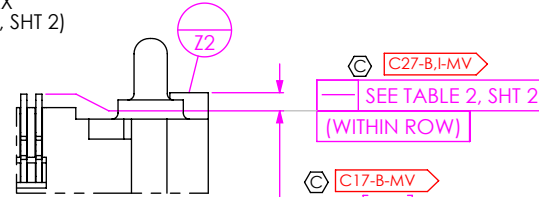
DESCRIPTION:
 .50mm DOUBLE ROW RIGHT ANGLE TERMINAL STRIP

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

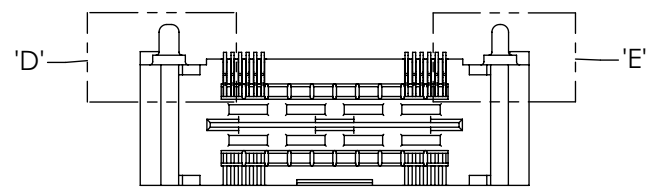
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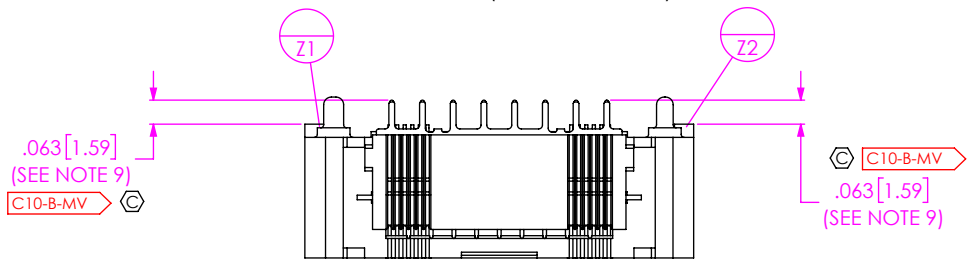
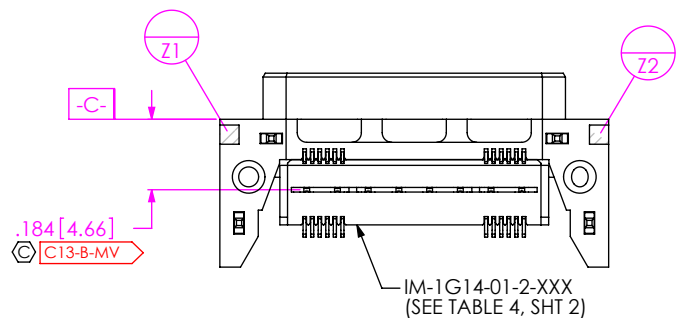
DETAIL 'D'
SCALE 4 : 1



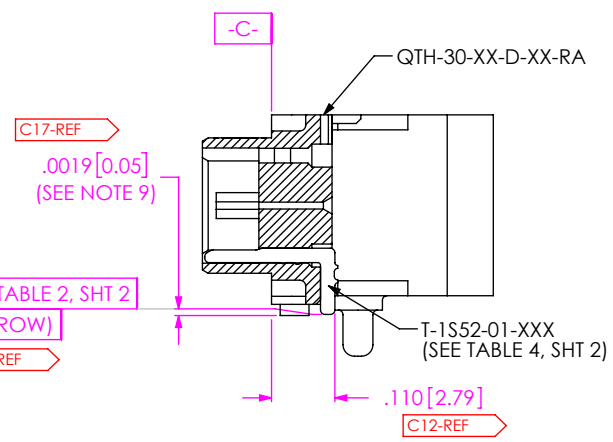
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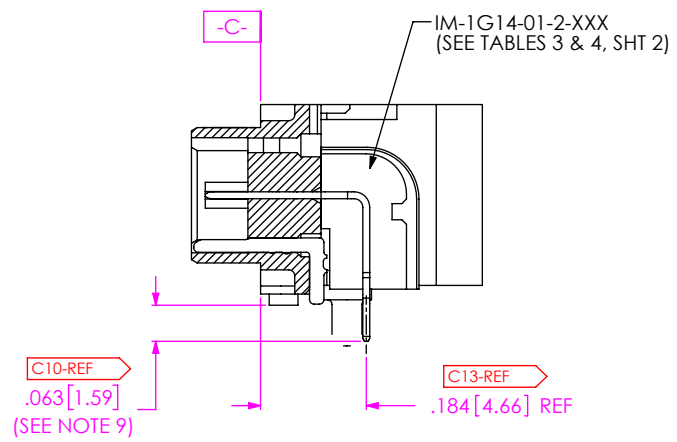
INSPECTION VIEW 1
(FILL BOTTOM ROW)



INSPECTION VIEW 2
(FILL IM-1G14)



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



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

CPC THIS SHEET

C10, C12, C13, C17, C27

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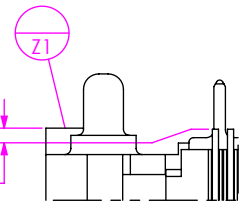
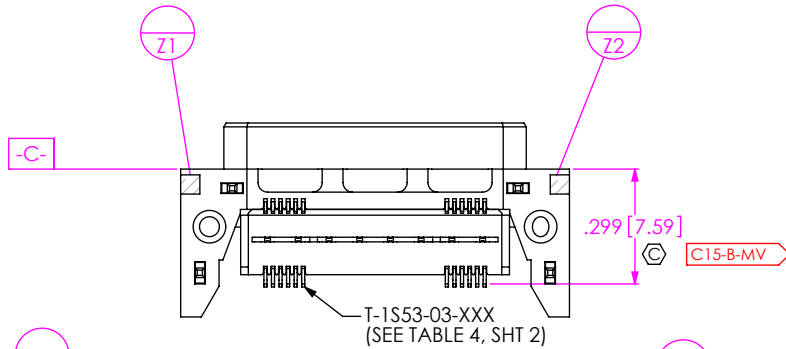
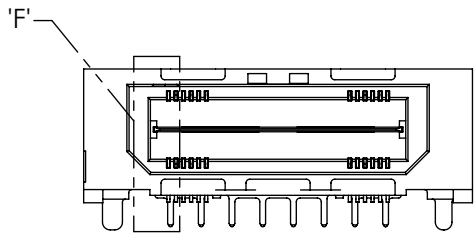


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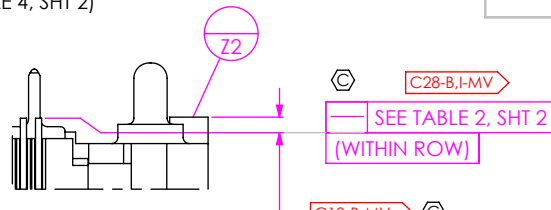
DESCRIPTION:
.50mm DOUBLE ROW RIGHT ANGLE TERMINAL STRIP

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

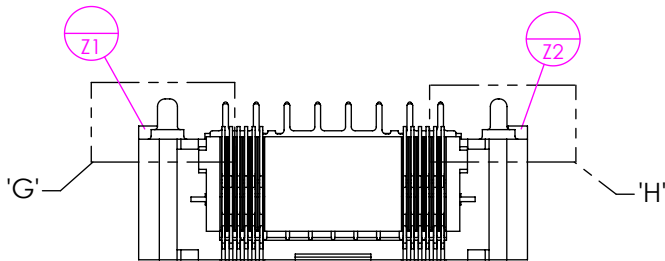
BY: DUKES Z 02/13/2010 SHEET 3 OF 6



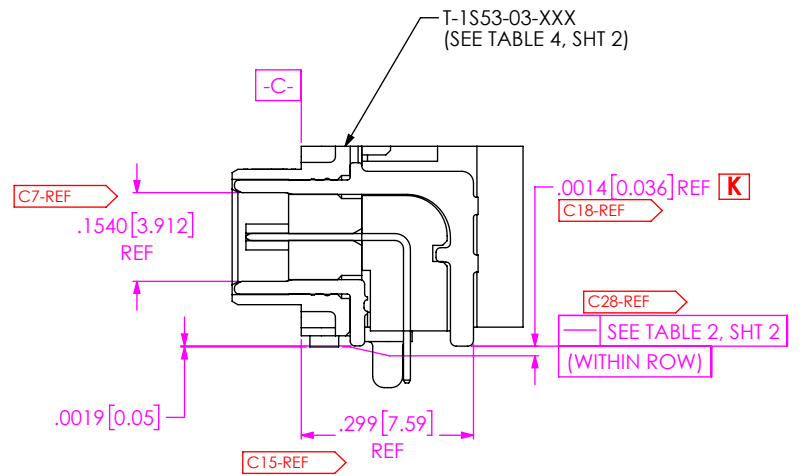
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SCALE 4 : 1



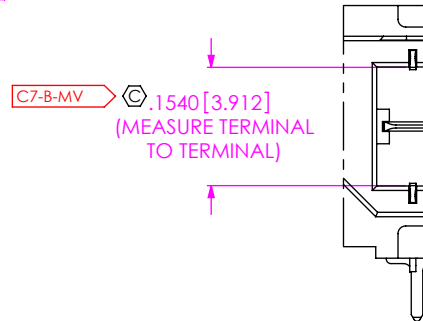
DETAIL 'H'
SCALE 4 : 1



INSPECTION VIEW 3
(FILL TOP ROW)



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



DETAIL 'F'
SCALE 4 : 1

CPC
THIS SHEET

C7, C15,
C18, C28

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SHEET SCALE: 6:1



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

BY: DUKES Z 02/13/2010 SHEET 4 OF 6

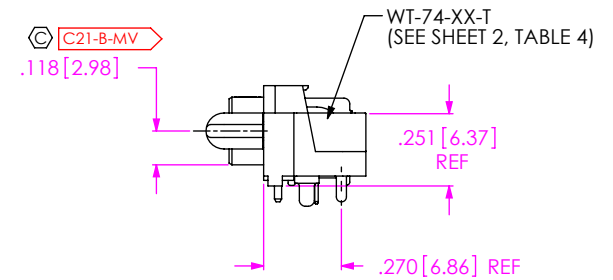
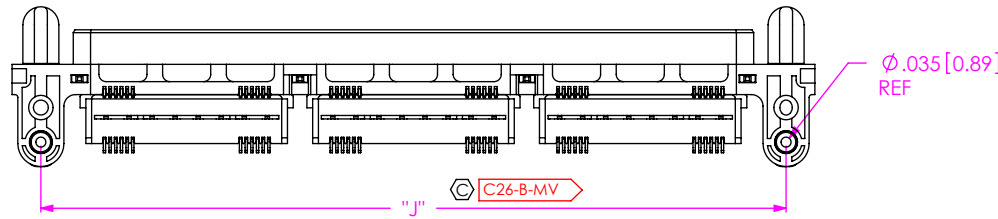
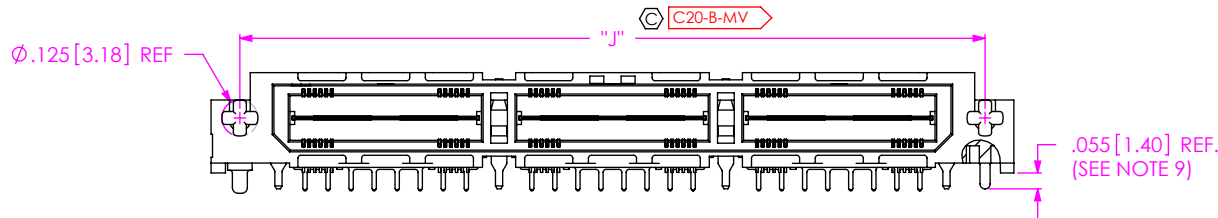
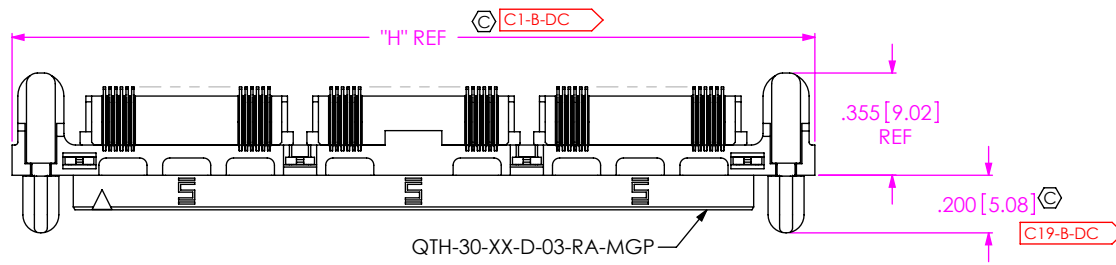


FIG 2
QTH-090-01-XXX-D-RA-MGP SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)
(NOT TOOLED)

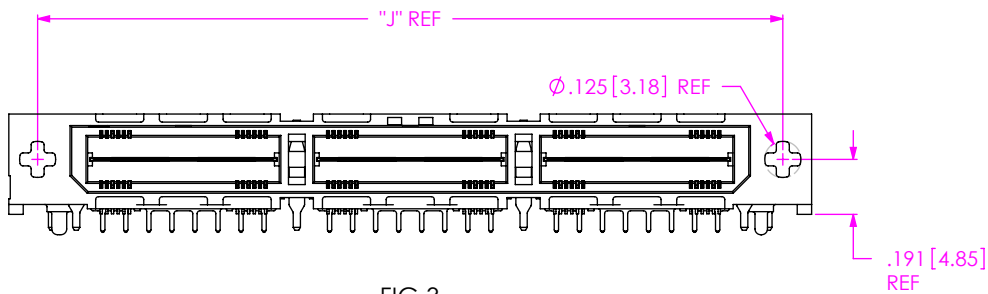
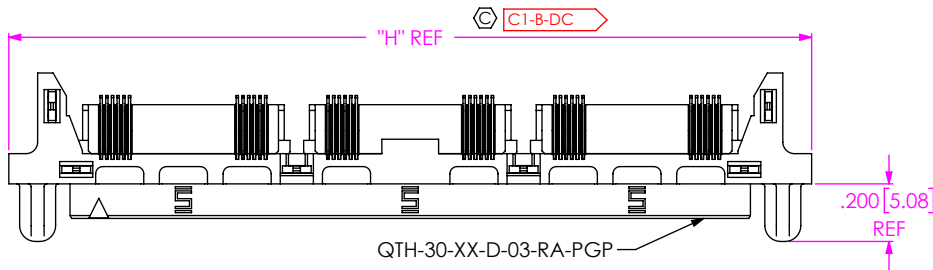


FIG 3
QTH-090-01-XXX-D-RA-PGP SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

TABLE 5		
NO OF POS	"H"	"J"
-30	1.213 [30.80]	1.013 [25.72]
-60	2.000 [50.80]	1.800 [45.72]
-90	2.788 [70.80]	2.588 [65.72]

CRITICAL DIMENSION INSPECTION INSTRUCTION TABLE	
ASSEMBLY OPERATION	IN-PROCESS INSPECTION INSPECT CODE B
FILL T-1S52-01-XXX	C1, C4, C5, C6, C8, C12, C17, C27
FILL IM-1G14-01-2-XXX	C2, C10, C13
FILL T-1S53-03-XXX	C4, C5, C6, C7, C8, C15, C18, C28
FILL WT-16-XXX-T	C3, C9, C11, C14, C30, C31
FILL WT-74	C19, C20, C21, C26
FILL SP-20	C22, C23
FILL STS-02	C24
APPLY -K DOT	C25, C29
FINAL ASSEMBLY	C1, C4, C5, C6, C7, C8
DELETED	

CPC
THIS SHEET

C1, C19,
C20, C21,
C26

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DESCRIPTION:
.50mm DOUBLE ROW RIGHT ANGLE TERMINAL STRIP

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

BY: DUKES Z 02/13/2010 SHEET 5 OF 6

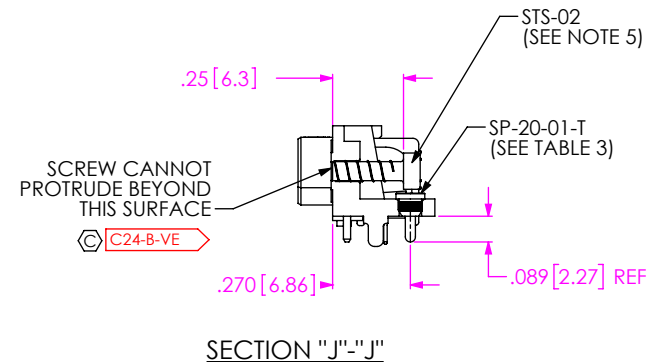
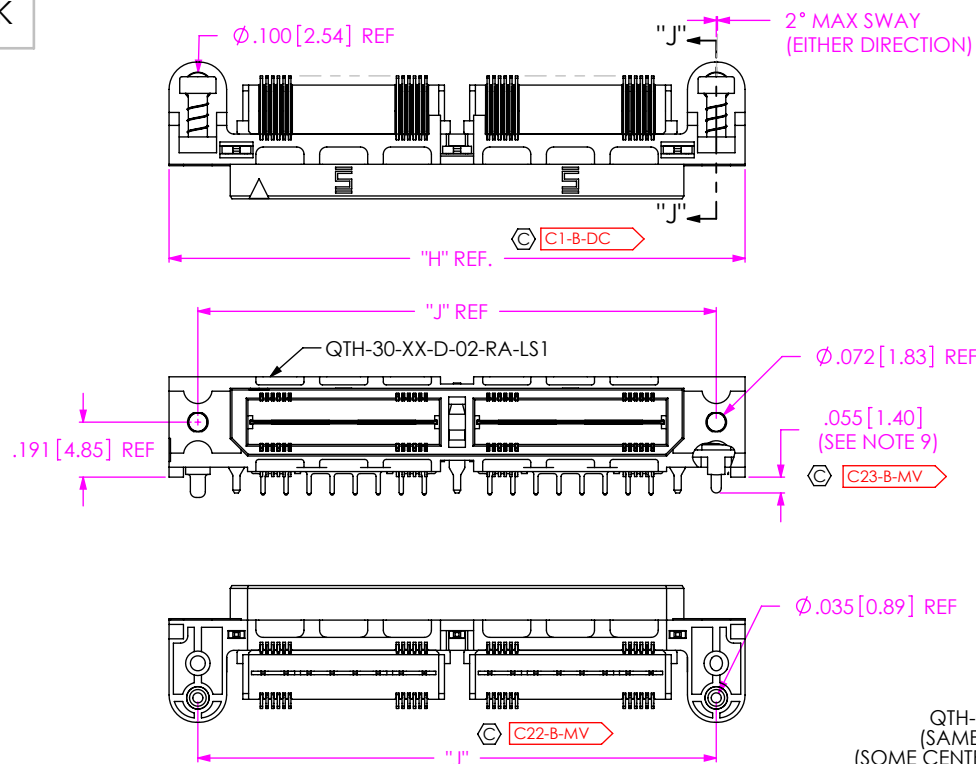


FIG 4
QTH-060-01-XXX-D-RA-LS1 SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)
(NOT TOOLED)

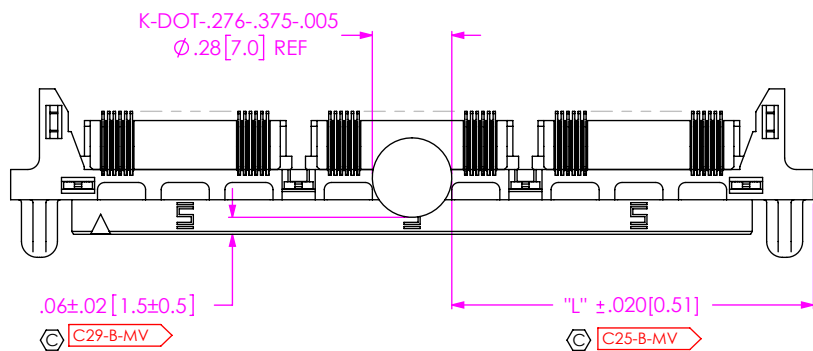


FIG 5
QTH-090-01-XXX-D-RA-PGP-K SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

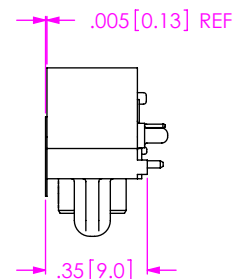


TABLE 7		
NO OF POS	"L"	
	*-MGP & -PGP & *-LS1	NO GUIDE POSTS
-30	.469 [11.91]	.369 [9.37]
-60	.862 [21.89]	.762 [19.35]
-90	1.256 [31.90]	1.156 [29.36]

CPC
THIS SHEET

C1, C22,
C23, C24,
C25, C29

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QTH-XXX-XX-X-D-RA-XXX

BY: DUKES Z 02/13/2010 SHEET 6 OF 6