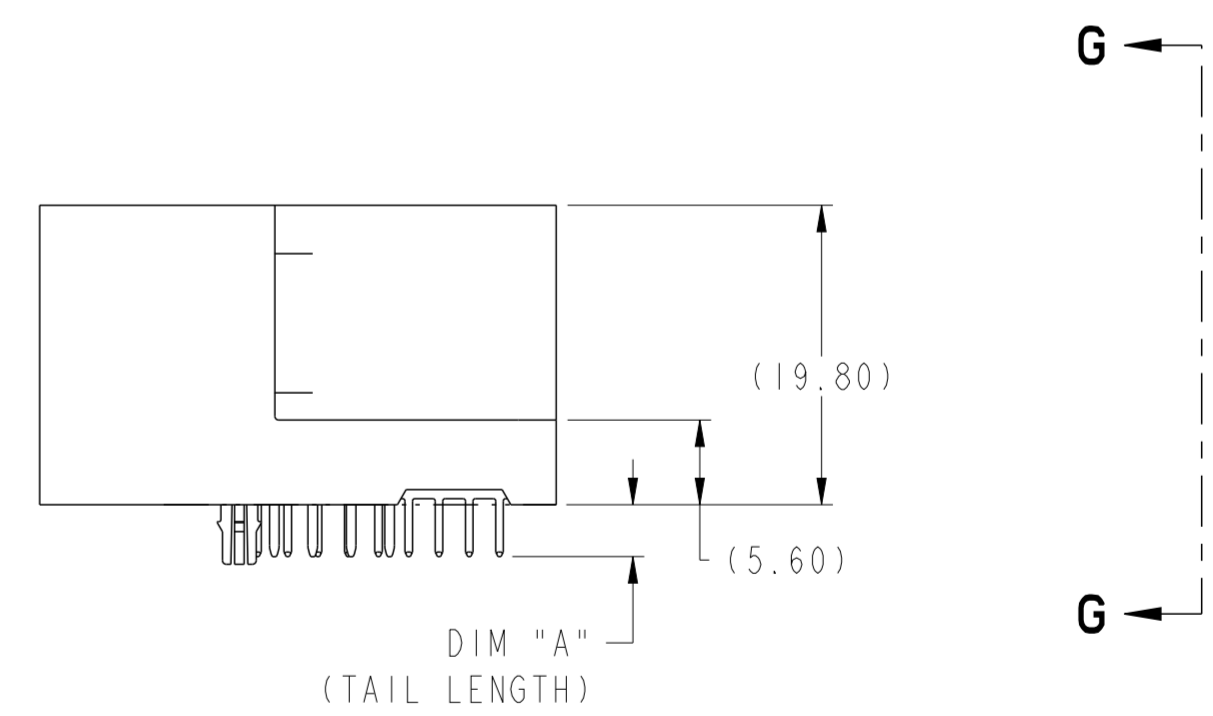
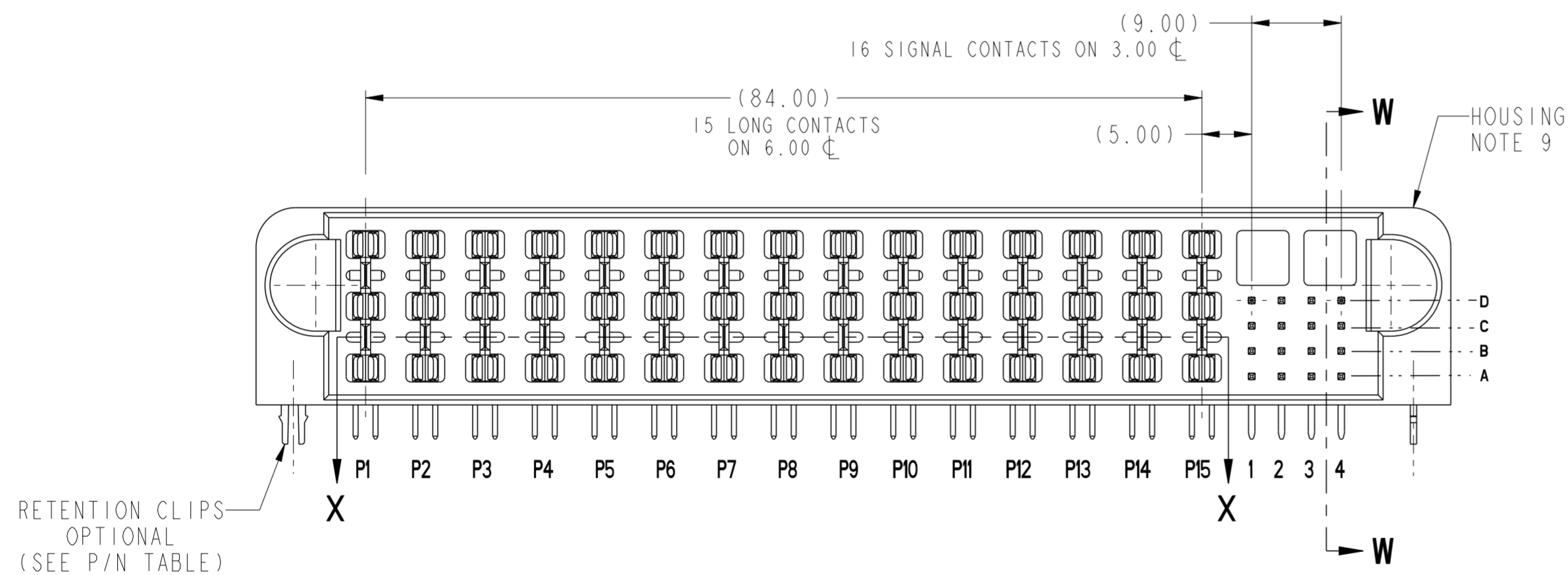


SECTION X-X



spec ref	*	dr	DuWa	2010/04/28	projection	MM	size	A2	scale	2:1
tolerance std	ASME Y14.5	eng	Helen Zhang	2012/07/23	chr	-	ecn no	-	rel level	Released
surface	✓	appr	Pei-Ming Zheng	2012/07/23	product family	HCI	dwg no	10106029	rev	A
ASME Y14.5	linear	0.X	±.5	0.XX	±.25	0.XXX	±.10	angular	0°	±2°
		www.fci.com		cat. no.		Product - Customer Drw		sheet 1 of 5		

PDS: Rev :A

STATUS:Released

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1 2 3 4 5 6 7 8

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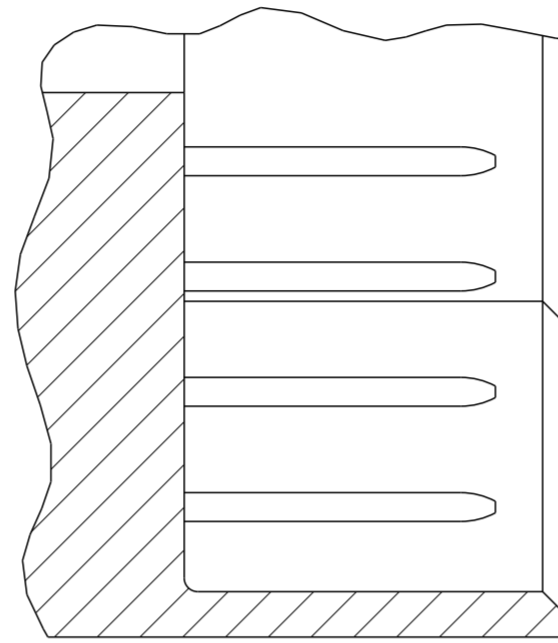
B

C

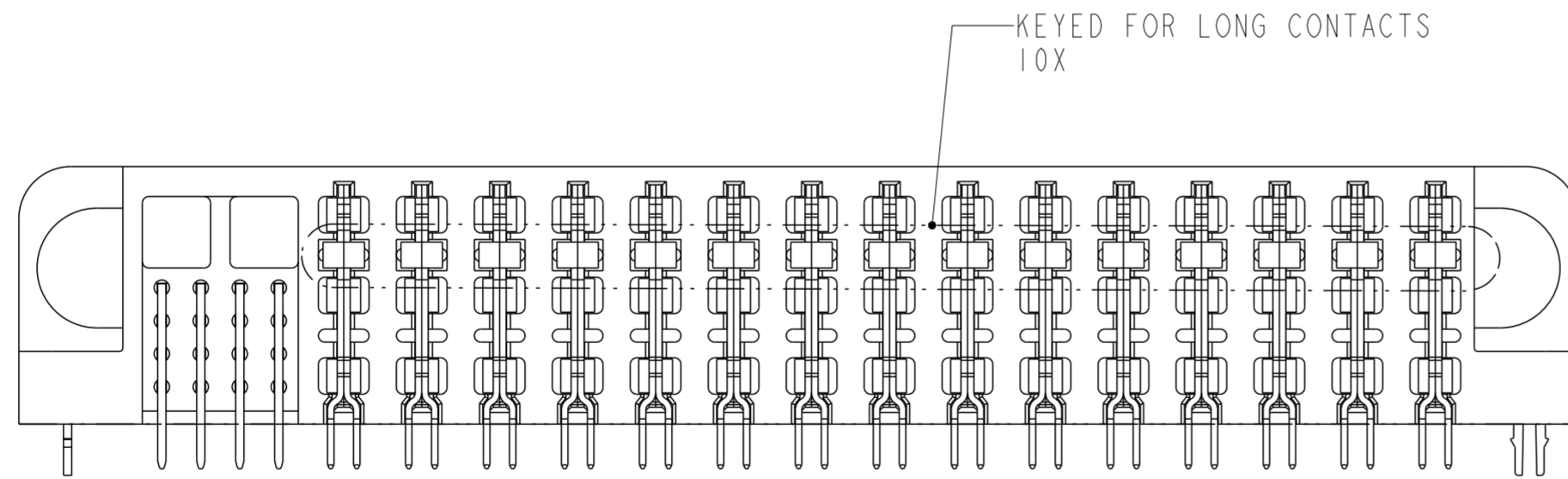
D

E

F



SECTION W-W
SCALE 6:1
SIGNAL MATING
SEQUENCE



VIEW G-G

spec ref	*	dr	DuWa	2010/04/28	projection	MM	size	A2	scale	1:1		
tolerance std	ASME Y14.5	eng	Helen Zhang	2012/07/23			ecn no	-	rel level	Released		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	product family			HCI	cat. no.	R/A HEADER ASSY 15DC-16S	10106029	rev	A
surface	ASME Y14.5	appr	Pei-Ming Zheng	2012/07/23			www.fci.com	Product - Customer Drw	sheet 2 of 5			
linear	0.X ±.5	0.XX ±.25	0.XXX ±.10	angular	0° ±2°							

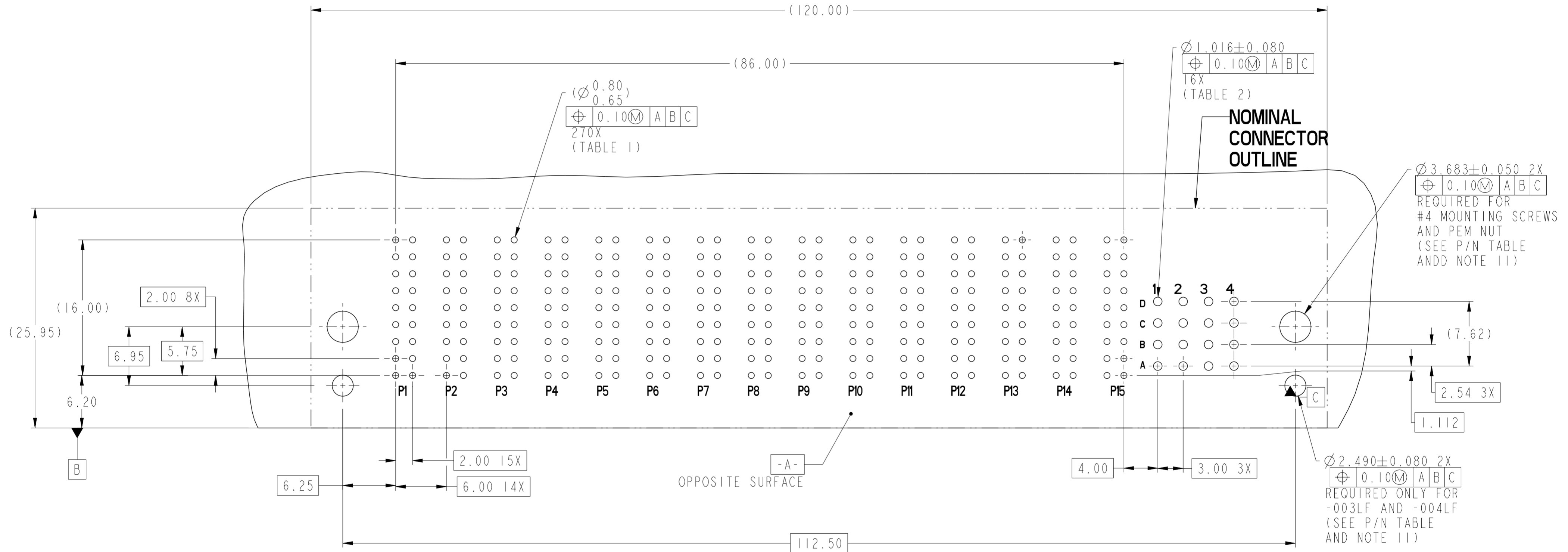
PDS: Rev :A

STATUS:Released

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**RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTE 6**



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spec ref	*	dr	DuWa	2010/04/28	projection	MM	size	A2	scale	1:1
tolerance std	ASME Y14.5	eng	Helen Zhang	2012/07/23			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	app			Pei-Ming Zheng	2012/07/23	product family	HCI
surface	✓				title	R/A HEADER ASSY 15DC-16S		dwg no	10106029	
ASME Y14.5	linear	0.X	±.5	angular	0°	±2°	www.fci.com	cat. no.	Product - Customer Drw	sheet 3 of 5
		0.XX	±.25							
		0.XXX	±.10							

PDS: Rev :A

STATUS:Released

Printed: Jul 23, 2012

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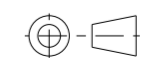
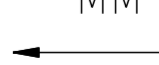
E

F

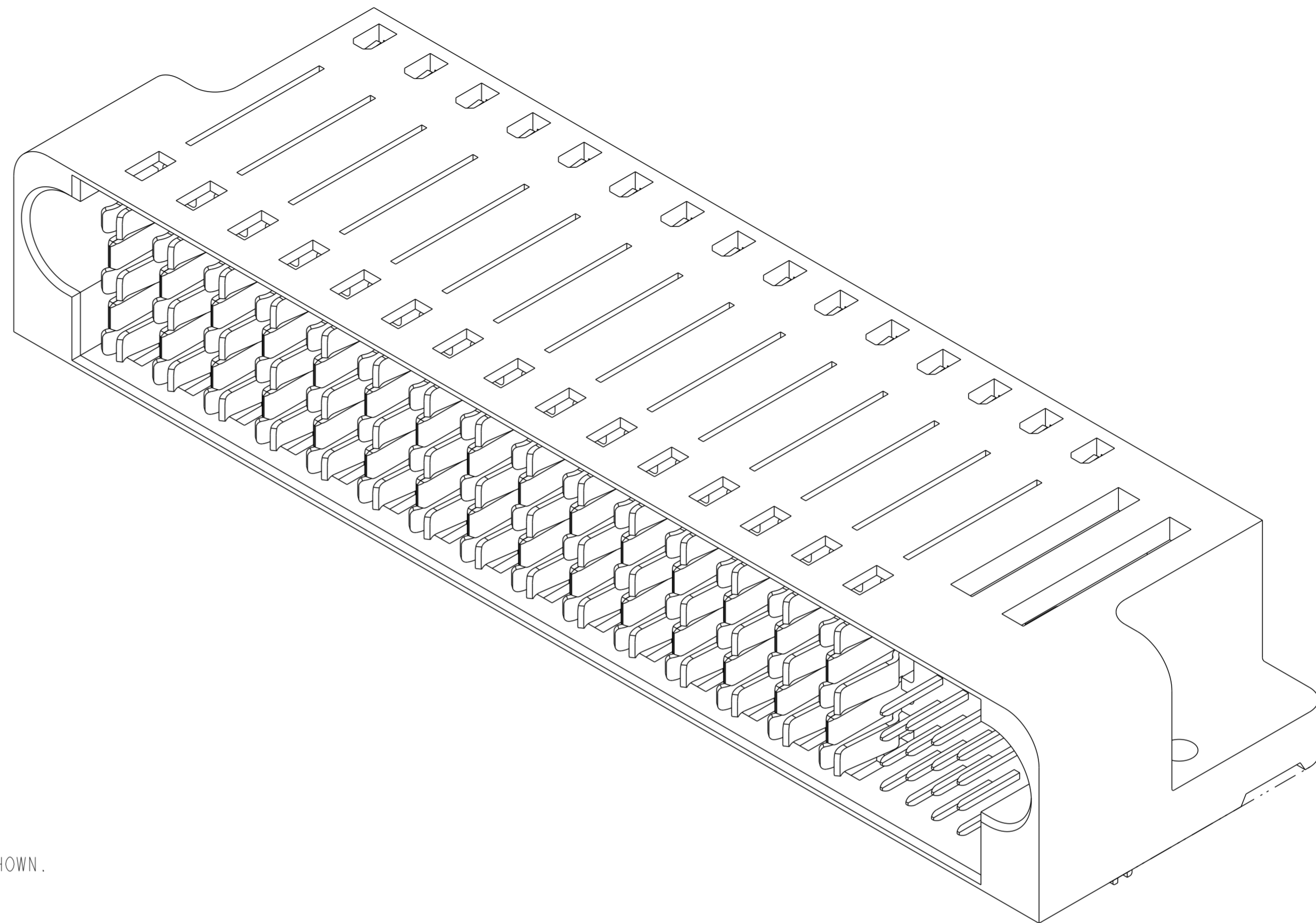
TOP LAYER DESCRIPTION	TABLE 1 (HCI POWER) PLATED THROUGH-HOLE REQUIREMENTS							
	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER
TIN-LEAD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	--	--	--	0.65 - 0.80
IMMERSION TIN	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	0.9 - 1.5um	--	0.70 - 0.80
IMMERSION SILVER	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	--	0.15 - 0.65um	0.70 - 0.80
COPPER (SEE NOTE 9)	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	--	--	0.70 - 0.80
GOLD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	0.003 - 0.007	FLASH UP TO 0.0002	--	--	0.69 - 0.80

TOP LAYER DESCRIPTION	TABLE 2 (HPC SIGNALS) PLATED THROUGH-HOLE REQUIREMENTS			
	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	FINISHED HOLE DIAMETER
TIN-LEAD	1.125-1.175 ($\varnothing .0453 \pm .0010$)	0.025-0.050	0.005-0.015	0.94 - 1.10 ($\varnothing .040 \pm .003$)

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spec ref	*	dr	DuWa	2010/04/28	projection	MM	size	A2	scale	1:1										
tolerance std	-	eng	Helen Zhang	2012/07/23			ecn no	-	rel level	Released										
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	product family							HCI									
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.5</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.25</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.10</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±2°</td> </tr> </table>	linear	0.X	±.5								0.XX	±.25		0.XXX	±.10	angular	0°	±2°	appr
linear	0.X	±.5																		
	0.XX	±.25																		
	0.XXX	±.10																		
angular	0°	±2°																		
ASME Y14.5	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 4 of 5															

PART NUMBER	RETENTION CLIPS	#4 SCREW	DIM A (TAIL LENGTH)	TAIL TYPE
10106029-001LF	NO	YES	3.43	SOLDER TAIL
10106029-002LF	NO	YES	4.70	SOLDER TAIL
10106029-003LF	YES	NO	3.43	SOLDER TAIL
10106029-004LF	YES	NO	4.70	SOLDER TAIL



NOTES:

1. CONNECTOR MATERIALS:
HOUSING: HIGH TEMPERATURE THERMOPLASTIC, BLACK
UL 94V-0 COMPLIANT
CONTACTS: HIGH PERFORMANCE COPPER ALLOY
2. CONTACT FINISH(REF. GS-12-380 SECTION 5.2)
3. PRODUCT SPECIFICATION: GS-12-380. (IN PROGRESS)
4. APPLICATION SPECIFICATION: GS-20-070. (IN PROGRESS)
5. PRODUCT MARKING (PRODUCT NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.
6. MINIMUM NOMINAL PCB THICKNESS: 1.6mm
7. PACKAGING MEETS FCI SPECIFICATION GS-14-1073.
8. HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
9. COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.
10. ALL HOLE SIZES ARE FINISHED HOLE SIZES.
11. MOUNTING HOLES ARE UNPLATED.

spec ref	*	dr	DuWa	2010/04/28	projection	MM	size	A2	scale	1:1										
tolerance std	ASME Y14.5	eng	Helen Zhang	2012/07/23			ecn no	-	rel level	Released										
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	0.XX	±.25																		
	0.XXX	±.10																		
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ASME Y14.5	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.5</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.25</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.10</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±2°</td> </tr> </table>	linear	0.X	±.5		0.XX	±.25		0.XXX	±.10	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 5 of 5		
linear	0.X	±.5																		
	0.XX	±.25																		
	0.XXX	±.10																		
angular	0°	±2°																		
		FCI	R/A HEADER ASSY 15DC-16S		dwg no	10106029	rev	A												
				PDS: Rev :A		STATUS:Released		Printed: Jul 23, 2012												