



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



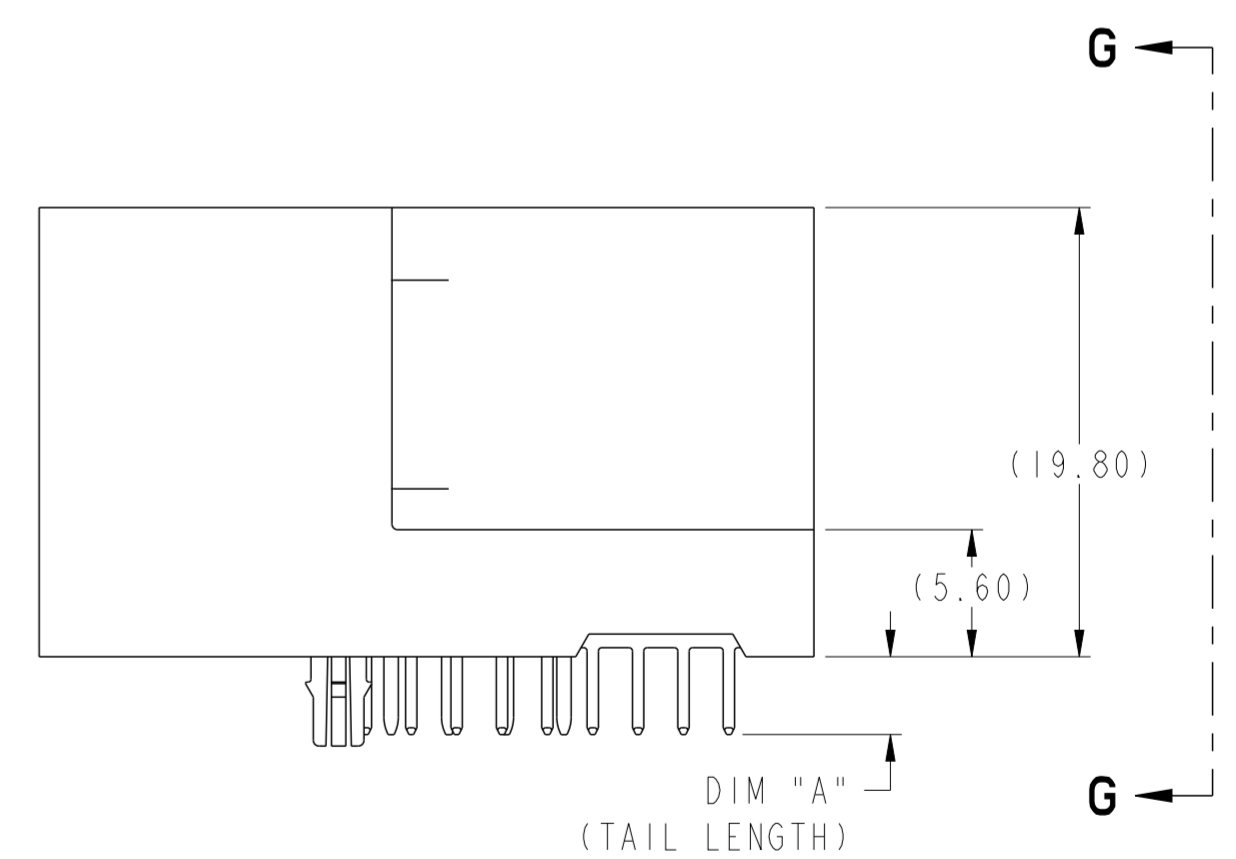
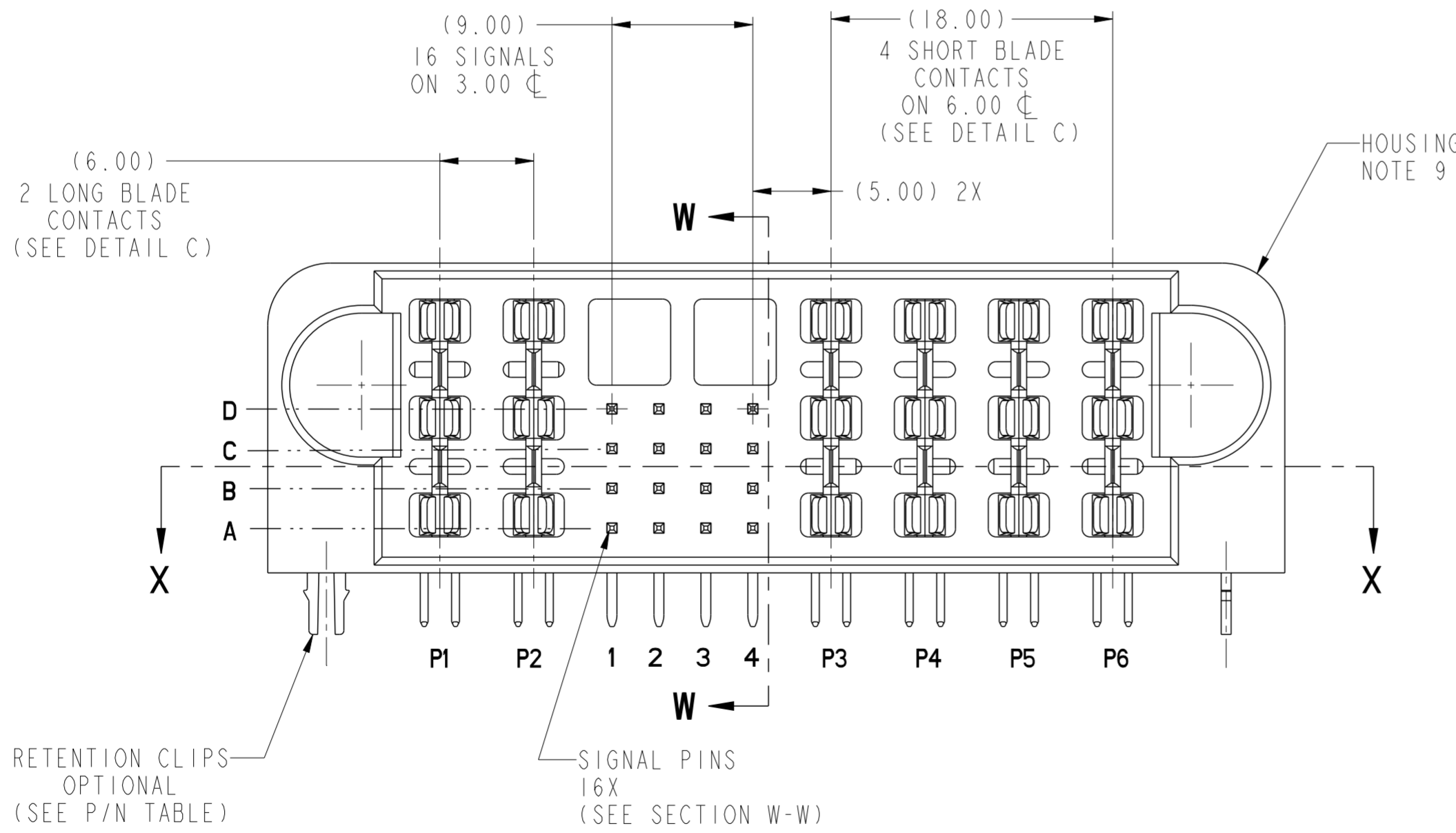
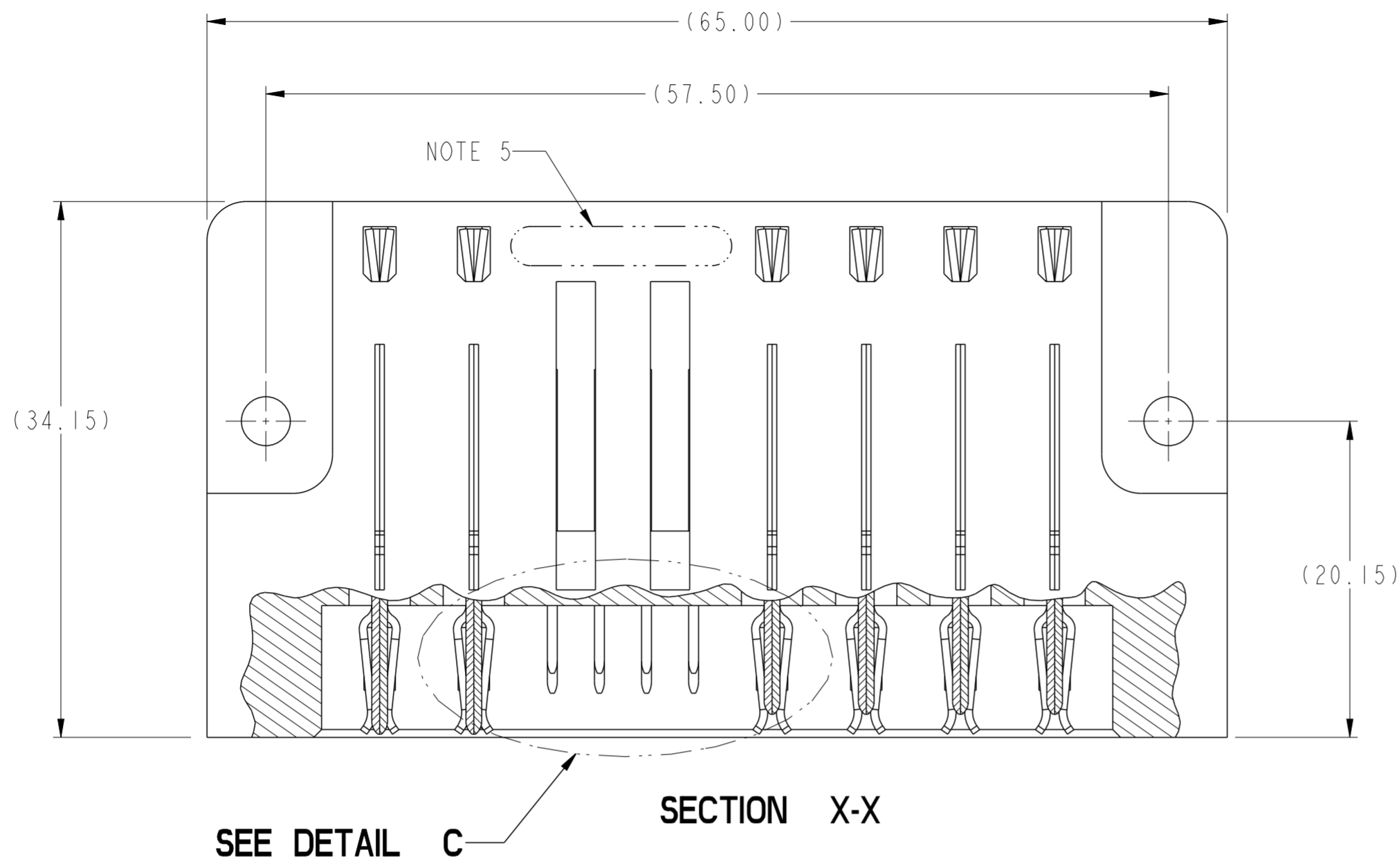
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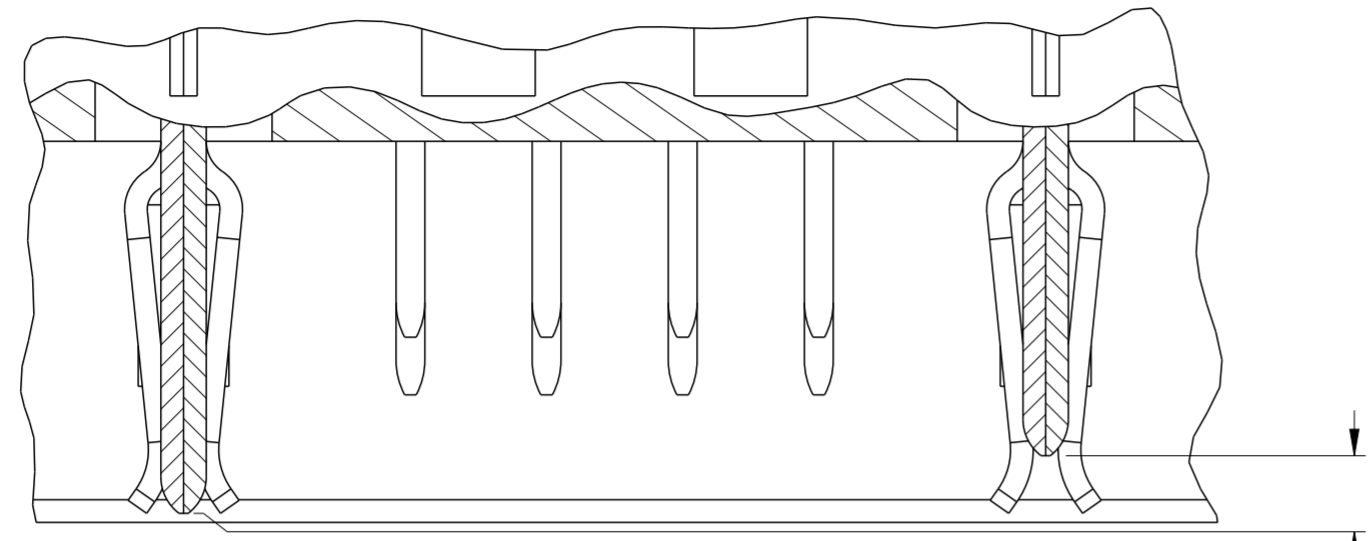
Copyright FCI.

spec ref	-	dr	Not Found DuWa	2010/04/28	projection	MM	size	A2	scale	3:1											
tolerance std	ASME Y14.5	eng	De-Ming Lu	2014/12/27			ecn no	ELX-DG-19849-1													
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	product family			HCI	rel level	Released												
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>± 0.5</td> </tr> <tr> <td></td> <td>0.XX</td> <td>± 0.25</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>± 0.10</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>$\pm 2^\circ$</td> </tr> </table>	linear	0.X	± 0.5				0.XX	± 0.25		0.XXX	± 0.10	angular	0°	$\pm 2^\circ$	appr	Pei-Ming Zheng	2014/12/29	product family	HCI	rel level
linear	0.X	± 0.5																			
	0.XX	± 0.25																			
	0.XXX	± 0.10																			
angular	0°	$\pm 2^\circ$																			
ASME Y14.5				FCI R/A HDR ASSY 2P+16S+4P HCI POWER CONNECTOR		cat. no. -	Product - Customer Drw	sheet 1 of 5	rev E												

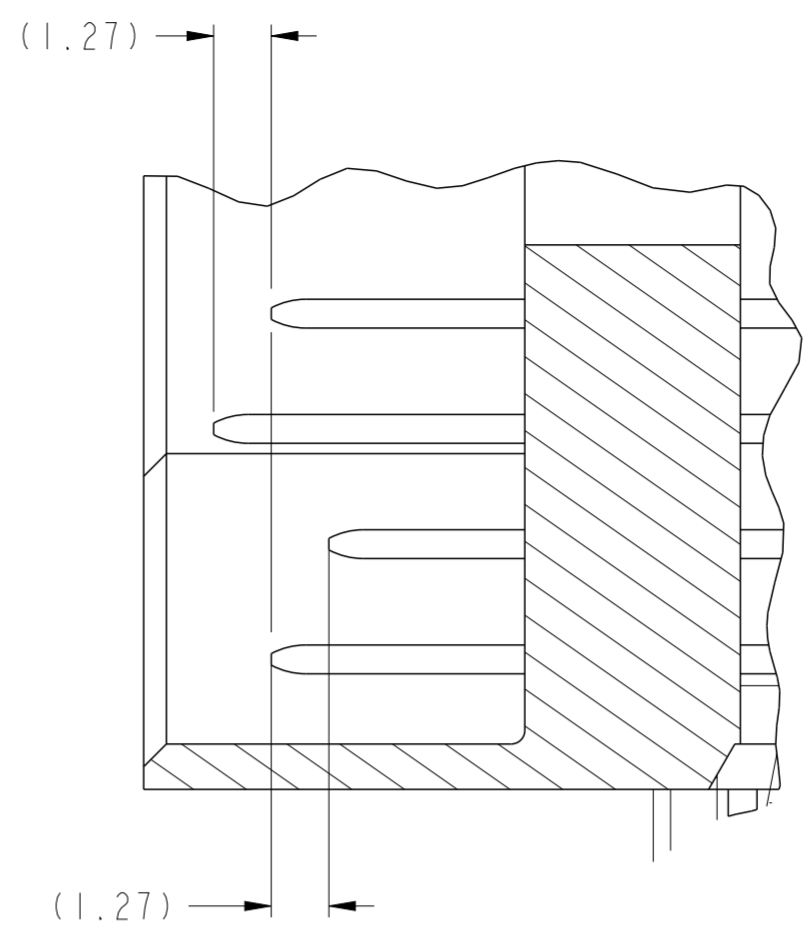
PDS: Rev :E

STATUS:Released

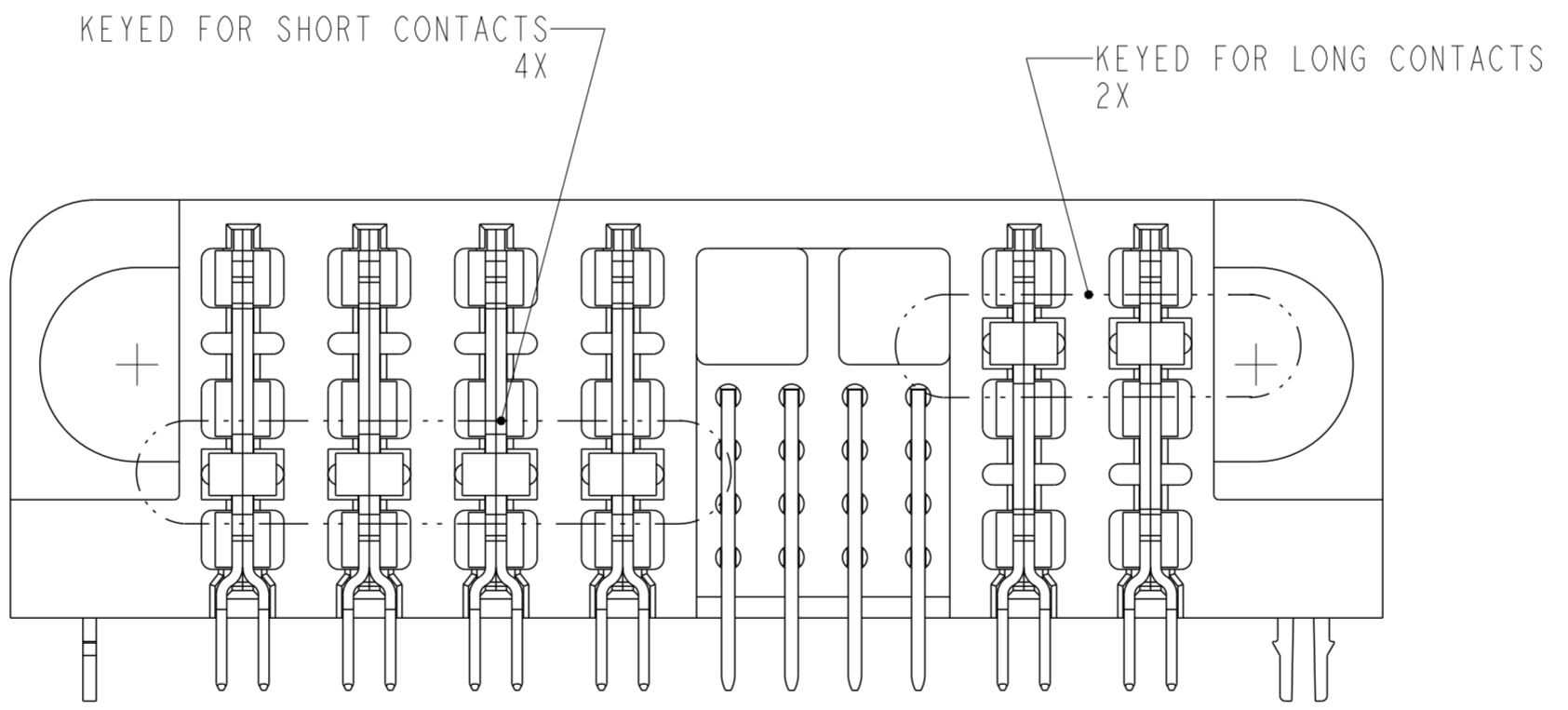
Printed: Dec 30, 2014



DETAIL C
SCALE 6:1
 POWER MATING
 SEQUENCE



SECTION W-W
SCALE 6:1
 SIGNAL MATING
 SEQUENCE



VIEW G-G

KEYED FOR SHORT CONTACTS
 4X

KEYED FOR LONG CONTACTS
 2X

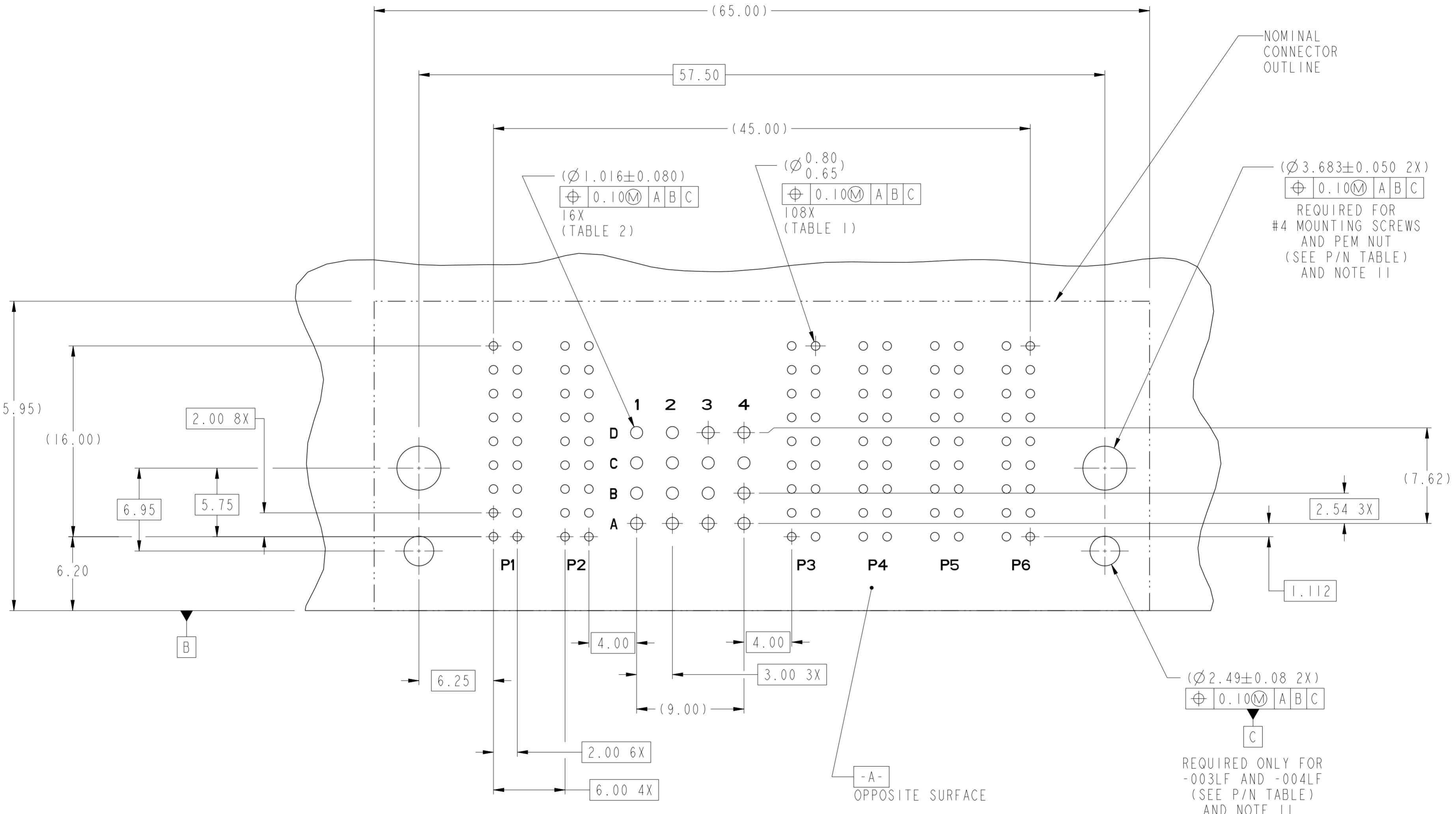
dr	NotFound DuWa	2010/04/28	projection	MM	size	A2	scale	3:1
eng	De-Ming Lu	2014/12/27			ecn no	ELX-DG-19849-1	rel level	Released
chr	-	-						
appr	Pei-Ming Zheng	2014/12/29	product family	HCI	cat. no.	-	Product - Customer Drw	sheet 2 of 5
		title R/A HDR ASSY 2P+16S+4P HCI POWER CONNECTOR	dwg no 10074864	rev E				

PDS: Rev :E

STATUS:Released

Printed: Dec 30, 2014

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RECOMMENDED PCB LAYOUT
 COMPONENT SIDE
 NOTE 6

dr	NotFound DuWa	2010/04/28	projection	MM	size	A2	scale	4:1
eng	De-Ming Lu	2014/12/27			ecn no	ELX-DG-19849-1		
chr	-	-			rel level	Released		
appr	Pei-Ming Zheng	2014/12/29	product family	-	cat. no.	R/A HDR ASSY 2P+16S+4P		
www.fci.com			Product - Customer Drw	sheet 3 of 5	cat. no.	10074864		
PDS: Rev :E			STATUS:Released		Printed: Dec 30, 2014		rev E	

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A

A

B

B

C

C

D

D

E

E

F

F

TOP LAYER DESCRIPTION

TABLE 1 (HCI POWER)
PLATED THROUGH-HOLE REQUIREMENTS

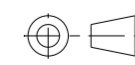
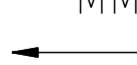

TOP LAYER DESCRIPTION	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER
TIN-LEAD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	--	--	--	0.65 - 0.80
IMMERSION TIN	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	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

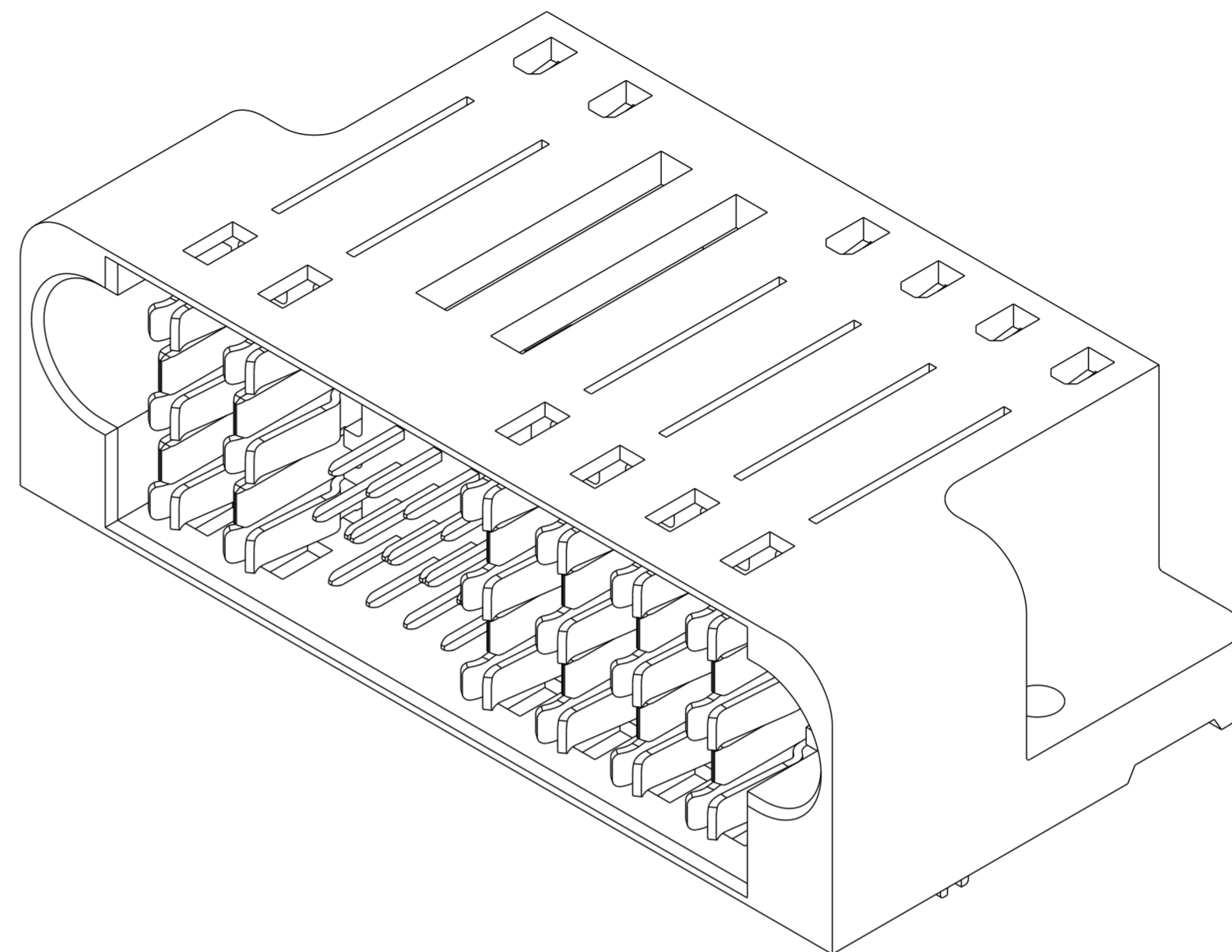
TABLE 2 (HPC SIGNALS)
PLATED THROUGH-HOLE REQUIREMENTS

TOP LAYER DESCRIPTION	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER 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 ($\varnothing .040 \pm .003$)
IMMERSION TIN			--	--	--	--	--	
IMMERSION SILVER			--	--	--	--	--	
COPPER (SEE NOTE 9)			--	--	--	--	--	
GOLD			--	--	--	--	--	

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dr	NotFound DuWa	2010/04/28	projection		size	A2	scale	4:1
eng	De-Ming Lu	2014/12/27		MM	ecn no	ELX-DG-19849-1		
chr	-	-			rel level	Released		
appr	Pei-Ming Zheng	2014/12/29	product family	-				
		title		R/A HDR ASSY 2P+16S+4P		dwg no		10074864
www.fci.com		cat. no.		-		Product - Customer Drw		sheet 4 of 5
		PDS: Rev :E		STATUS:Released		Printed: Dec 30, 2014		

PART NUMBER	RETENTION CLIPS	#4 SCREW	DIM A (TAIL LENGTH)	TAIL TYPE
10074864-001LF	NO	YES	3.43	SOLDER TAIL
10074864-002LF	NO	YES	4.70	SOLDER TAIL
10074864-003LF	YES	NO	3.43	SOLDER TAIL
10074864-004LF	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.
4. APPLICATION SPECIFICATION: GS-20-070.
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.

dr	NotFound DuWa	2010/04/28	projection	MM	size	A2	scale	3:1
eng	De-Ming Lu	2014/12/27			ecn no	ELX-DG-19849-1		
chr	-	-			rel level	Released		
appr	Pei-Ming Zheng	2014/12/29	product family	HCI	cat. no.	10074864		
		title	R/A HDR ASSY 2P+16S+4P		dwg no	10074864		
		title	HCI POWER CONNECTOR		rev	E		
		cat. no.	-		Product - Customer Drw	sheet 5 of 5		