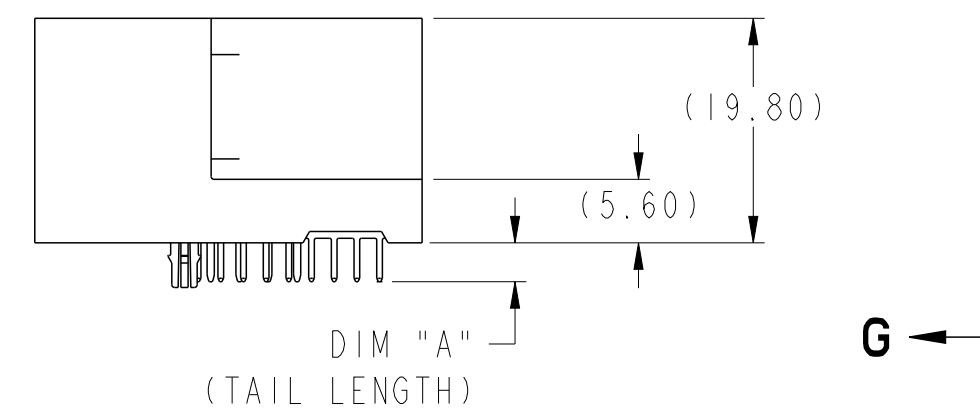
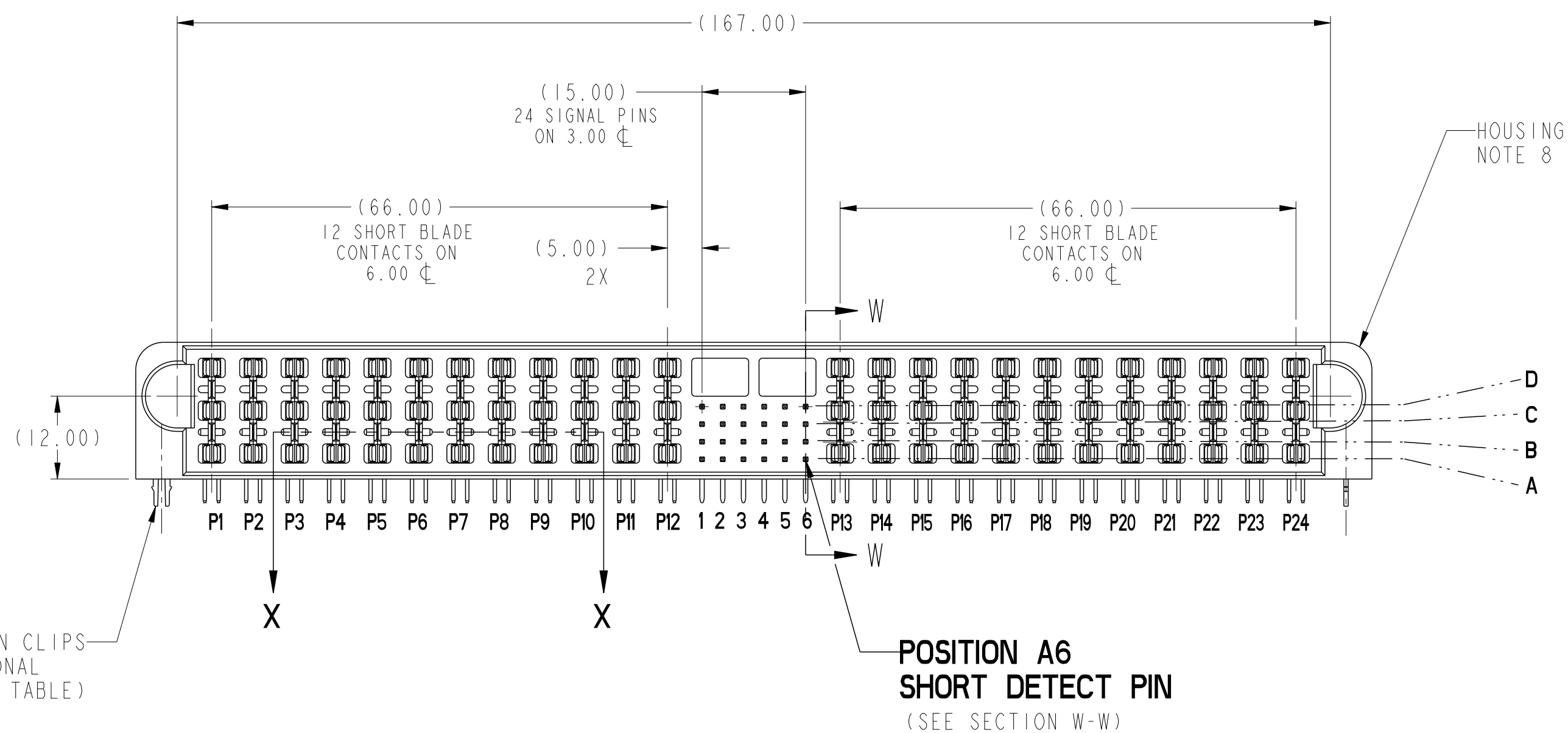
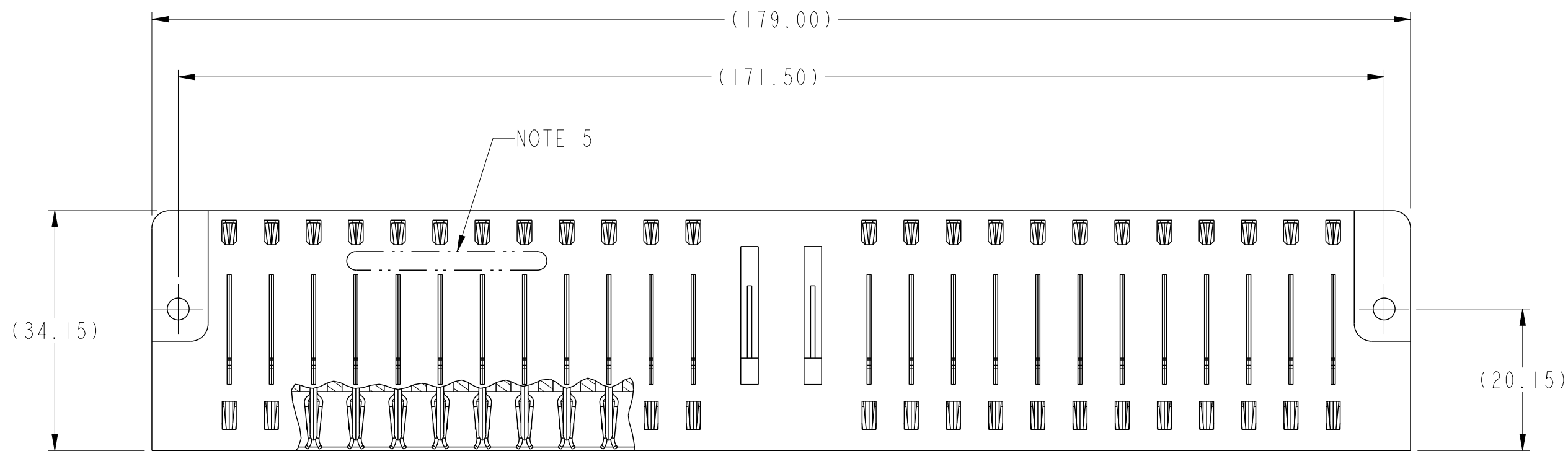
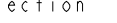
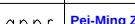




spec ref		-	dr		Not-Found DuWa	2010/04/29	projection		MM		size	A2	scale	1:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED	eng		De-Ming Lu	2014/12/28					ecn no	ELX-DG-19849-1				
ASME Y14.5			chr		-	appr							Pei-Ming Zheng	2014/12/29	product family	-
surface			linear	0.X	±0.5			title	R/A HDR 12DC-24S-12DC HCl POWER CONNECTOR							
				0.XX	±0.25											
ASME Y14.5			0.XXX	±0.10												
		angular	0°	±2°	www.fci.com		cat. no.	-	Product - Customer Drw				sheet 1 of 5			

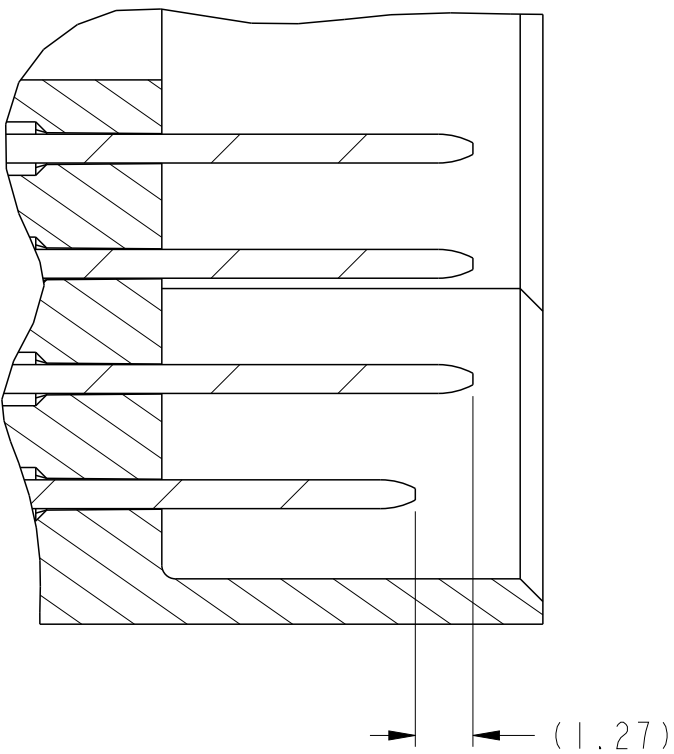
PDS: Rev :C

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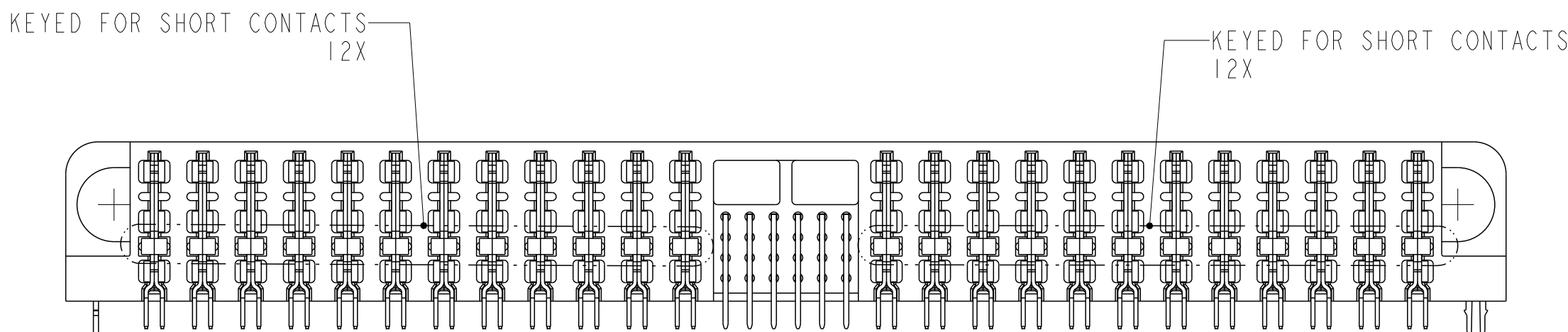
Printed: Dec 30, 2014

A
B
C
D
E
F

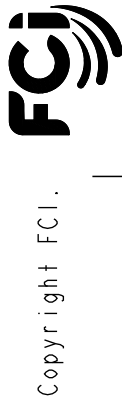
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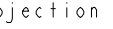


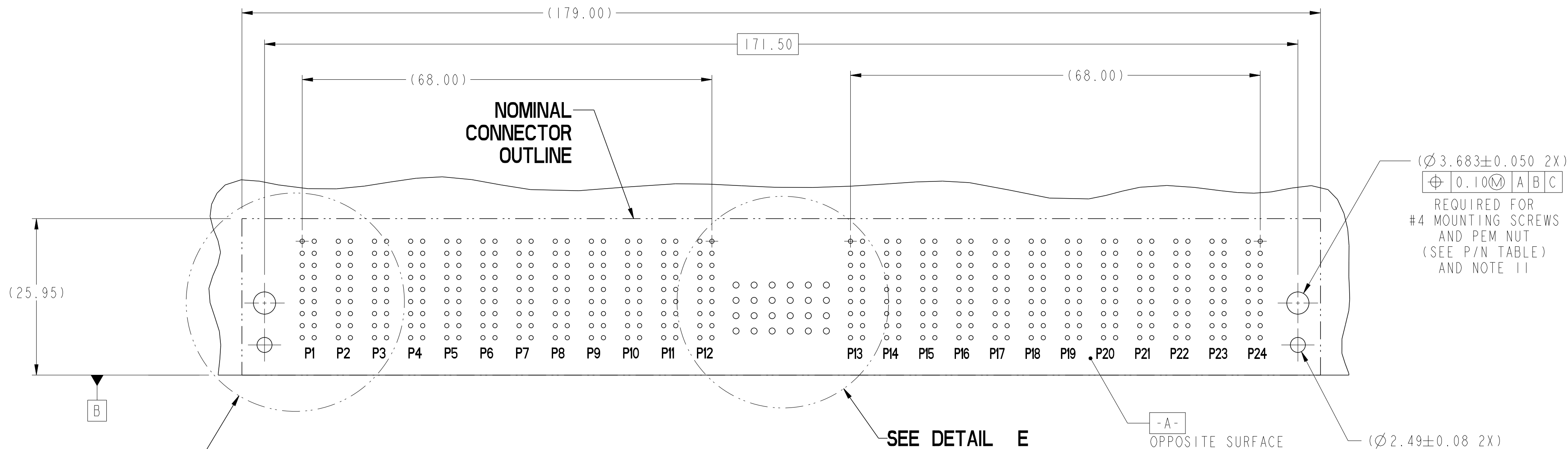
SECTION W-W
SCALE 6:1
SIGNAL MATING
SEQUENCE



VIEW G-G



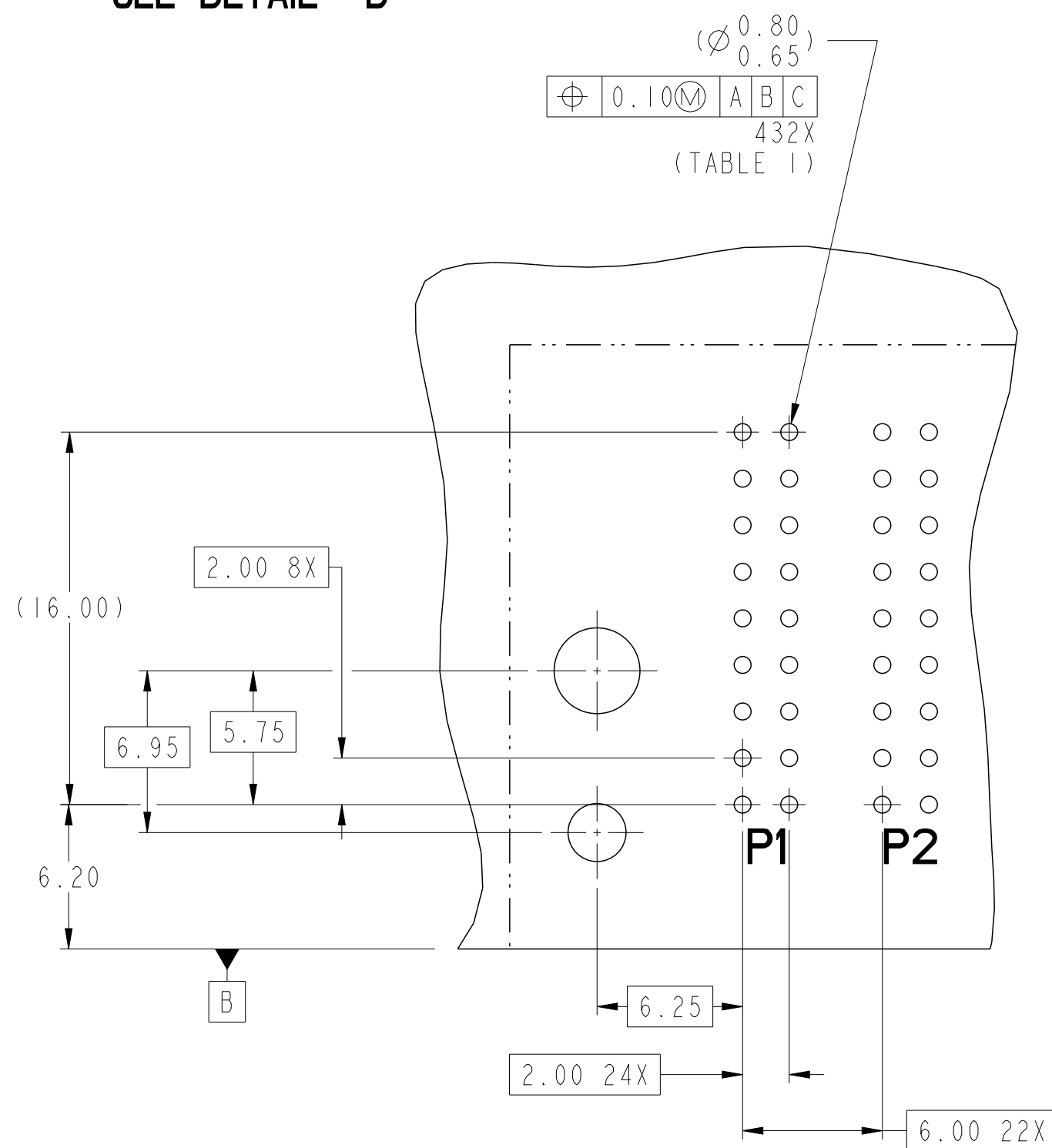
dr	NotFound DuWa	2010/04/29			size	A2	scale	1:1	
eng	De-Ming Lu	2014/12/28			ecn no	ELX-DG-19849-1			
chr	-	-							
appr	Pei-Ming Zheng	2014/12/29	product family		-	rel level	Released		
	title	R/A HDR 12DC-24S-12DC			dwg no	10084231		rev	
		HCI POWER CONNECTOR							
www.fci.com		cat. no.	-	Product - Customer Drw			sheet 2 of 5		



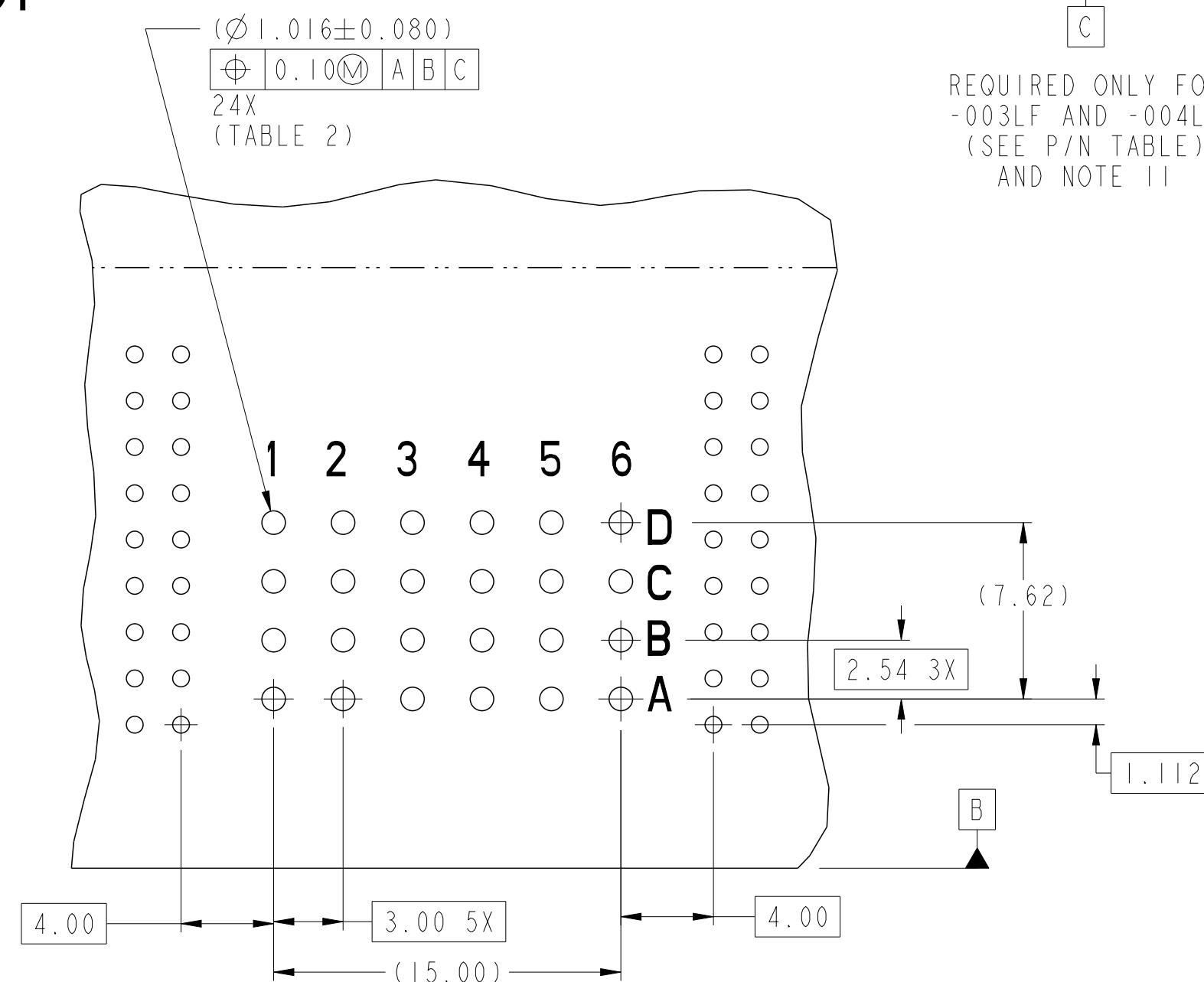
SEE DETAIL D

RECOMMENDED PCB LAYOUT COMPONENT SIDE

NOTE 6



DETAIL D
SCALE 4:1



DETAIL E
SCALE 4:1

dr	Not Found DuWa	2010/04/29	projection	MM	size	A2	scale	4:1
eng	De-Ming Lu	2014/12/28			ecn no	ELX-DG-19849-1		
chr	-	-			rel level	Released		
appr	Pei-Ming Zheng	2014/12/29	product family	-				
FCI		R/A HDR 12DC-24S-12DC			dwg no	10084231	rev	C
www.fci.com		cat. no.			Product - Customer Drw		sheet 3 of 5	

PDS: Rev :C

STATUS:Released

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	1	2	3	4	5	6	7	8	
A									A
B	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	
C	TOP LAYER DESCRIPTION	TABLE 2 (HPC SIGNALS) PLATED THROUGH-HOLE REQUIREMENTS							
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	FINISHED HOLE DIAMETER				
D	TIN-LEAD	1.125-1.175 (Ø.0453±.0010)	0.025-0.050	0.005-0.015	0.94 - 1.10 (Ø.040±.003)				
E									
F									
PDS: Rev :C		STATUS:Released		Printed: Dec 30, 2014					

1

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4

5

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7

8

PART NUMBER	RETENTION CLIPS	#4 SCREW	DIM A (TAIL LENGTH)	TAIL TYPE
I0084231-001LF	NO	YES	3.43	SOLDER TAIL
I0084231-002LF	NO	YES	4.70	SOLDER TAIL
I0084231-003LF	YES	NO	3.43	SOLDER TAIL
I0084231-004LF	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.

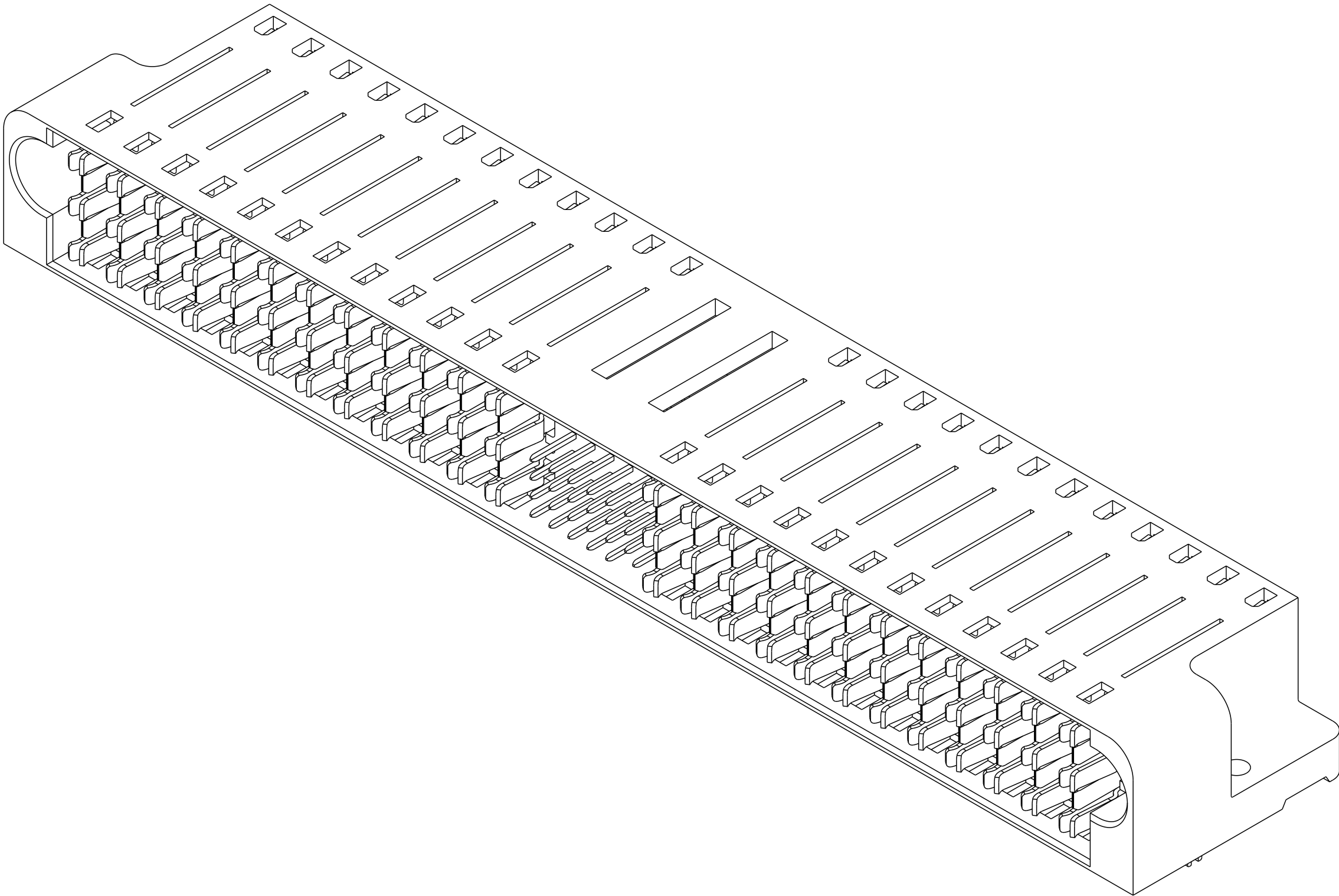
COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE
NO MORE THAN 0.003 LESS THAN OTHER AREAS.

10.

ALL HOLE SIZES ARE FINISHED HOLE SIZES.

11.

MOUNTING HOLES ARE UNPLATED.



FCI

Copyright FCI.

dr	NotFound DuWa	2010/04/29	projection MM	size	A2	scale	1:1		
eng	De-Ming Lu	2014/12/28		ecn no	ELX-DG-19849-1				
chr	-	-		rel level	Released				
appr	Pei-Ming Zheng	2014/12/29		product family	-				
FCI www.fci.com			title	R/A HDR 12DC-24S-12DC HCI POWER CONNECTOR		dwg no	I0084231	rev	C
			cat. no.	-		Product - Customer Drw		sheet 5 of 5	

PDS: Rev :C

STATUS:Released

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