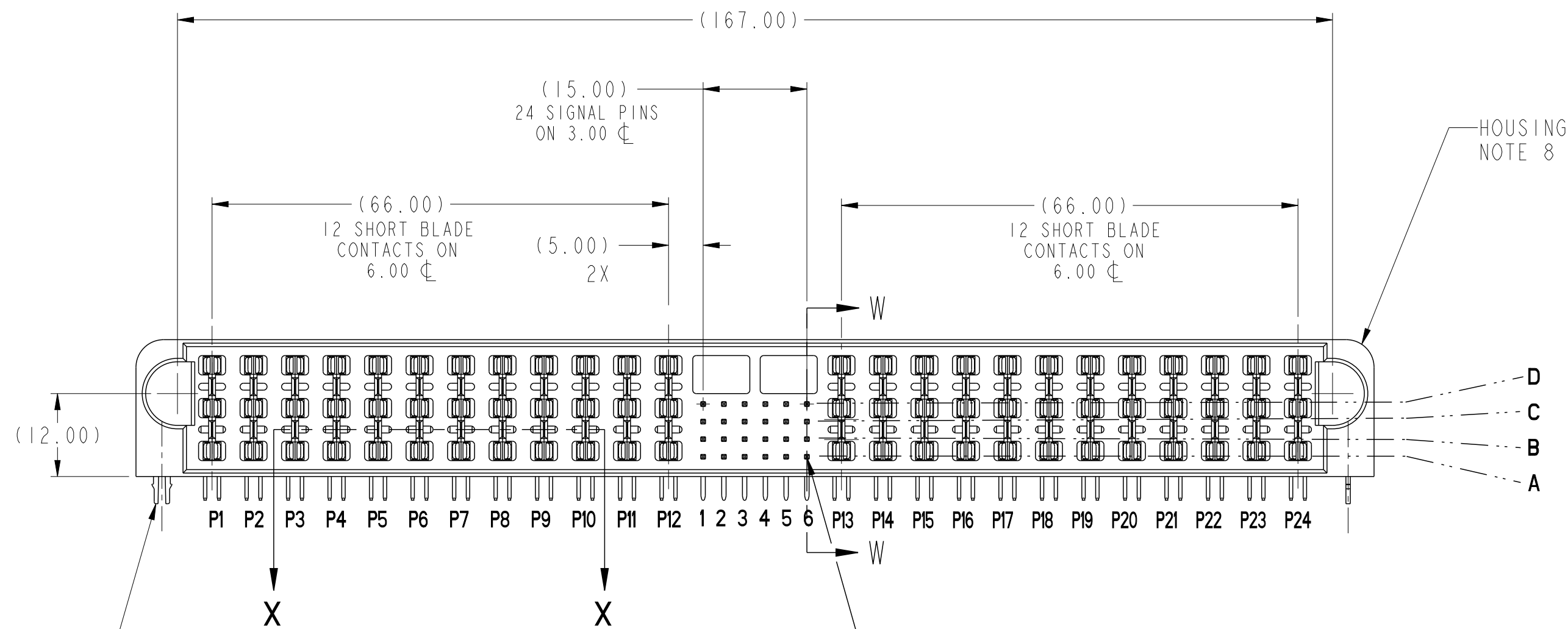
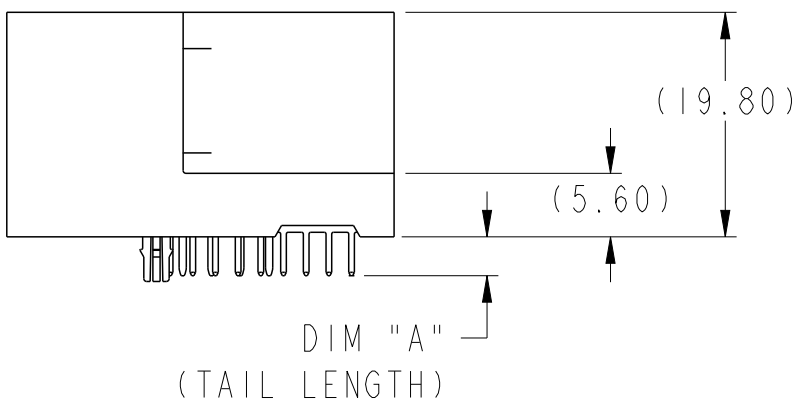


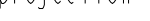


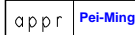
SECTION X-X



RETENTION CLIPS
OPTIONAL
(SEE P/N TABLE)

POSITION A6
SHORT DETECT PIN
(SEE SECTION W-W)



spec ref -				dr NotFound DuWa		2010/04/29		projection		MM		size A2		scale 1:1					
tolerance std -				eng De-Ming Lu		2014/12/28						ecn no ELX-DG-19849-1							
ASME Y14.5				TOLERANCES UNLESS OTHERWISE SPECIFIED		chr -										-			
				appr Pei-Ming Zheng		2014/12/29										product family		-	
surface 		linear		0.X		±0.5				R/A HDR 12DC-24S-12DC						dwg no 10084231		rev C	
				0.XX		±0.25													
				0.XXX		±0.10													
ASME Y14.5		angular		0°		±2°		www.fci.com		cat. no. -		Product - Customer Drw				sheet 1 of 5			

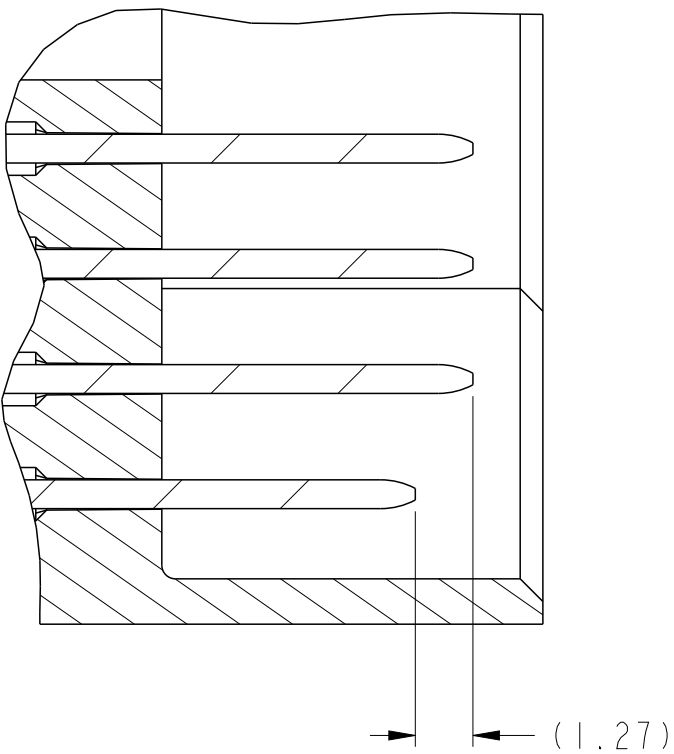
PDS: Rev :C

STATUS:Released

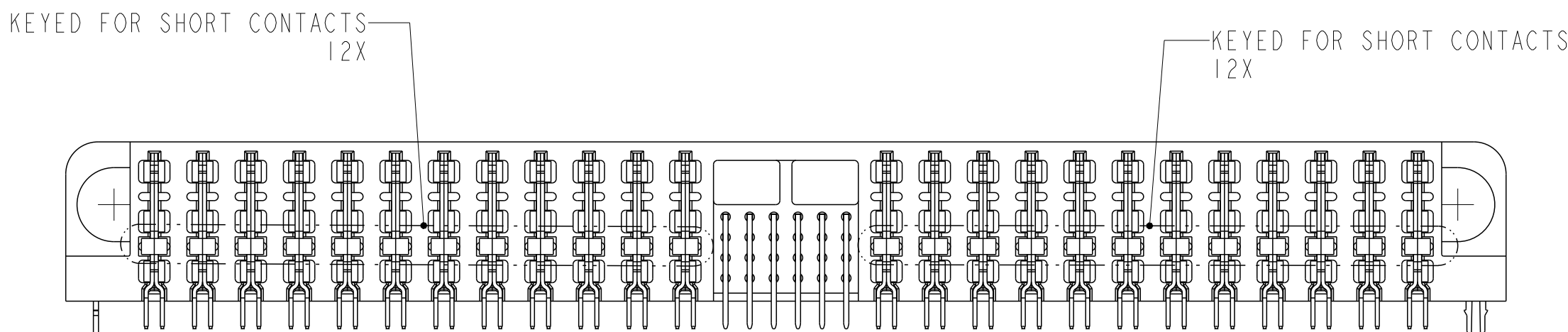
Printed: Dec 30, 2014

A
B
C
D
E
F

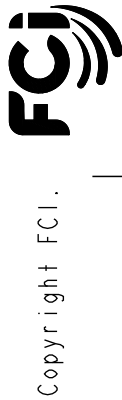
12345678



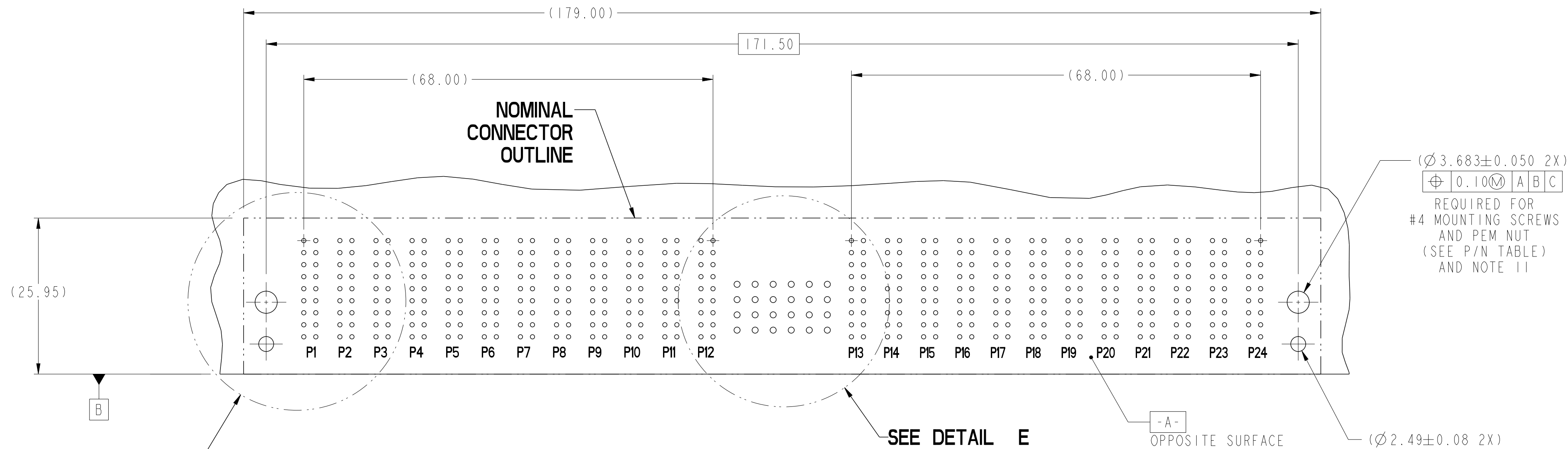
SECTION W-W
SCALE 6:1
SIGNAL MATING
SEQUENCE



VIEW G-G

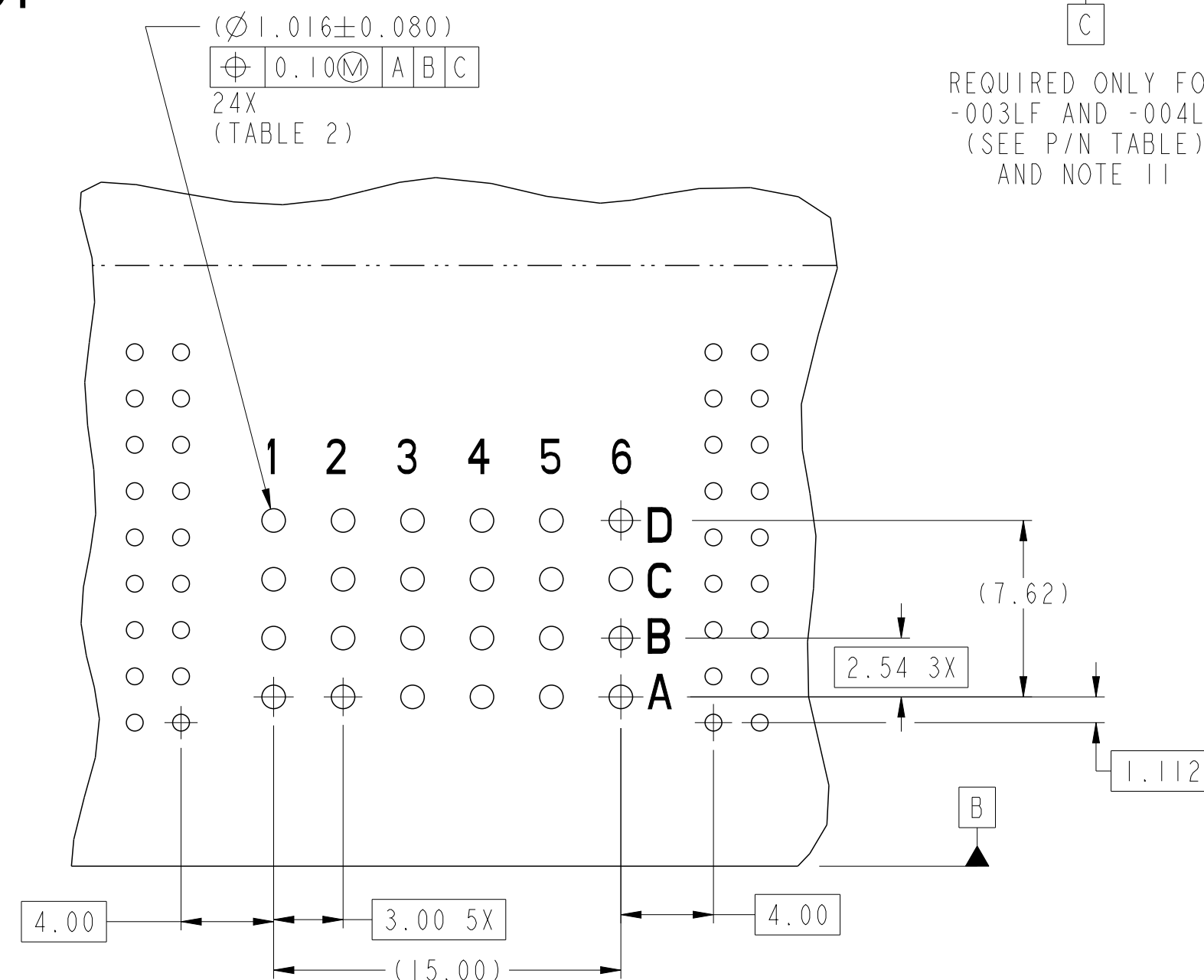
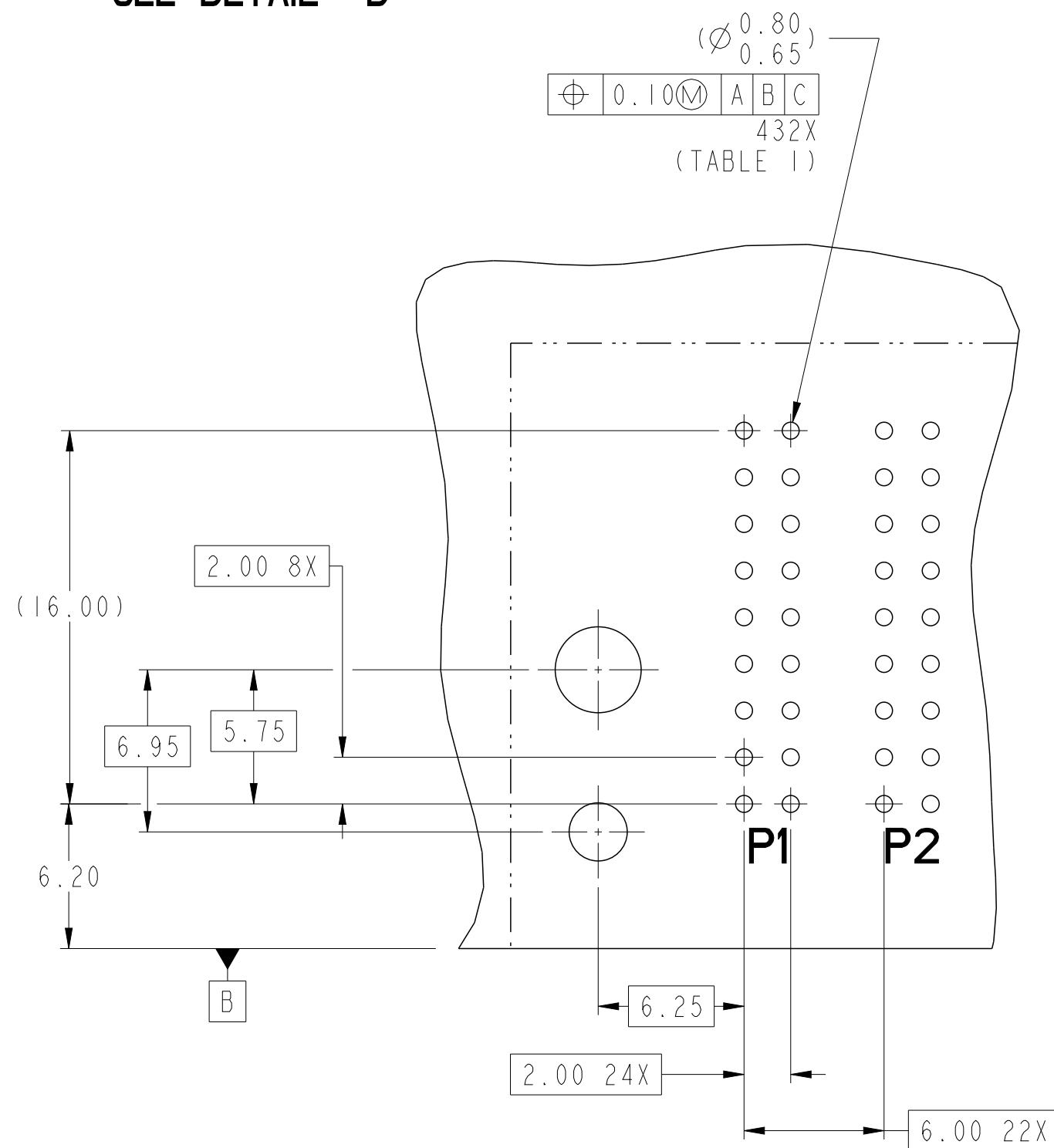


dr	NotFound DuWa	2010/04/29	<div>projection</div> <div></div>	<div>MM</div> <div></div>	size	A2	scale	1:1		
eng	De-Ming Lu	2014/12/28			ecn no	ELX-DG-19849-1				
chr	-	-								
appr	Pei-Ming Zheng	2014/12/29	product family		-	rel level	Released			
	title	R/A HDR 12DC-24S-12DC HCI POWER CONNECTOR			dwg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



RECOMMENDED PCB LAYOUT COMPONENT SIDE

NOTE 6



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
www.fci.com		cat. no.		Product - Customer Drw		sheet 3 of 5		C

	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				
TIN-LEAD	1.125-1.175 (Ø.0453±.0010)	0.025-0.050	0.005-0.015	0.94 - 1.10 (Ø.040±.003)					
D									D
E									E
F									F
PDS: Rev :C		STATUS:Released		Printed: Dec 30, 2014					

1

2

3

4

5

6

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.

dr	NotFound DuWa	2010/04/29	<div>projection</div> <div></div> <div>MM</div>	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	-				
<div></div> <div>www.fci.com</div>			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

Printed: Dec 30, 2014

Copyright FCI.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[FCI / Amphenol:](#)

[10084231-001LF](#)