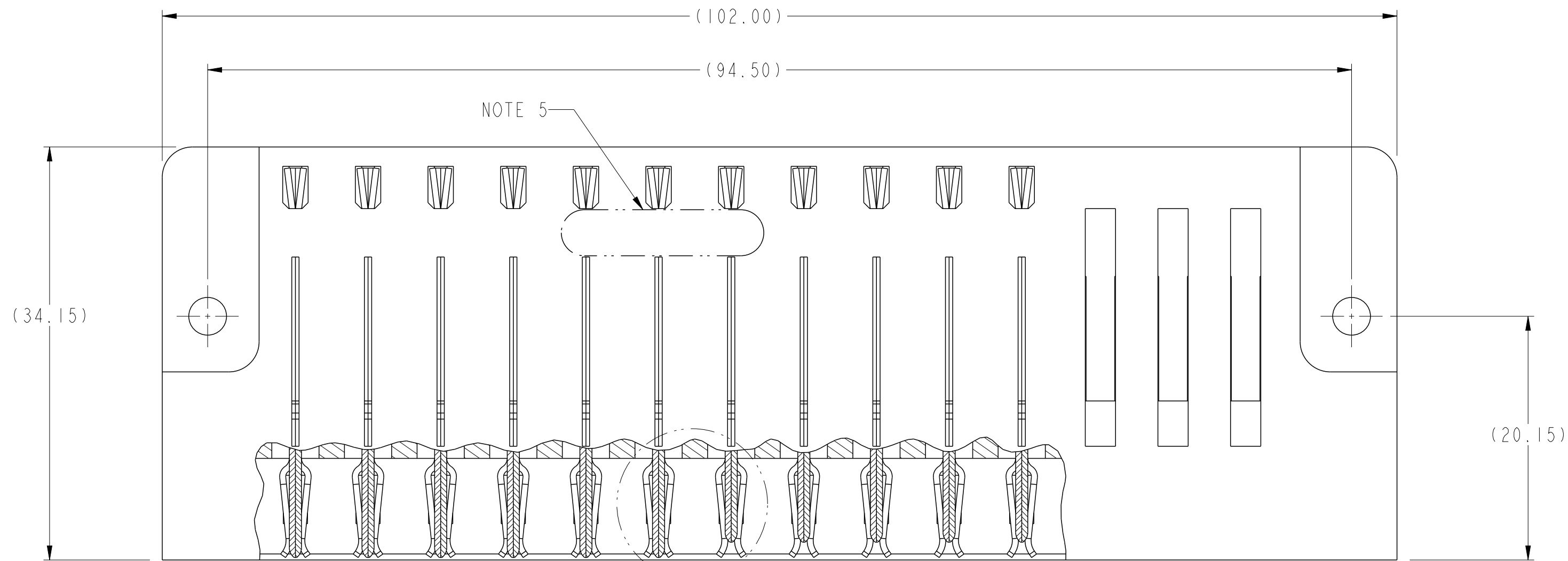
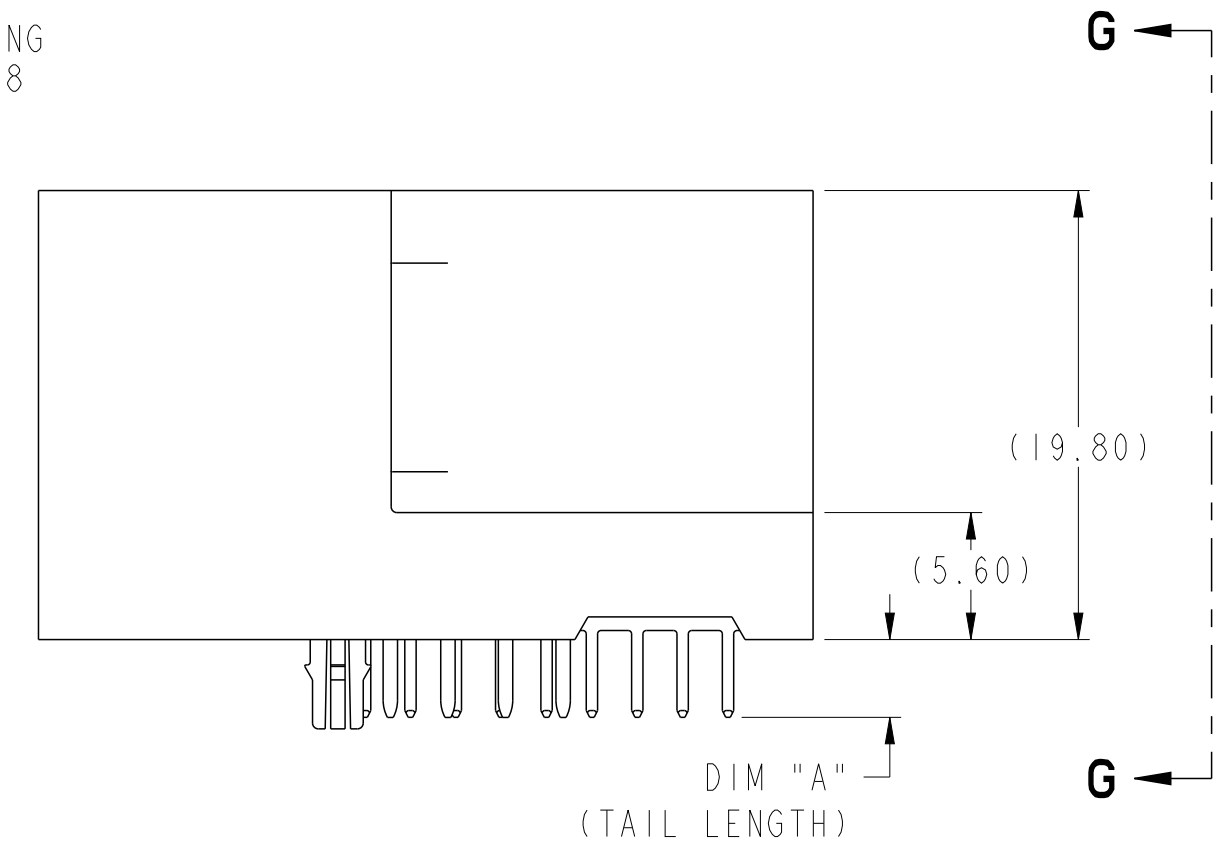
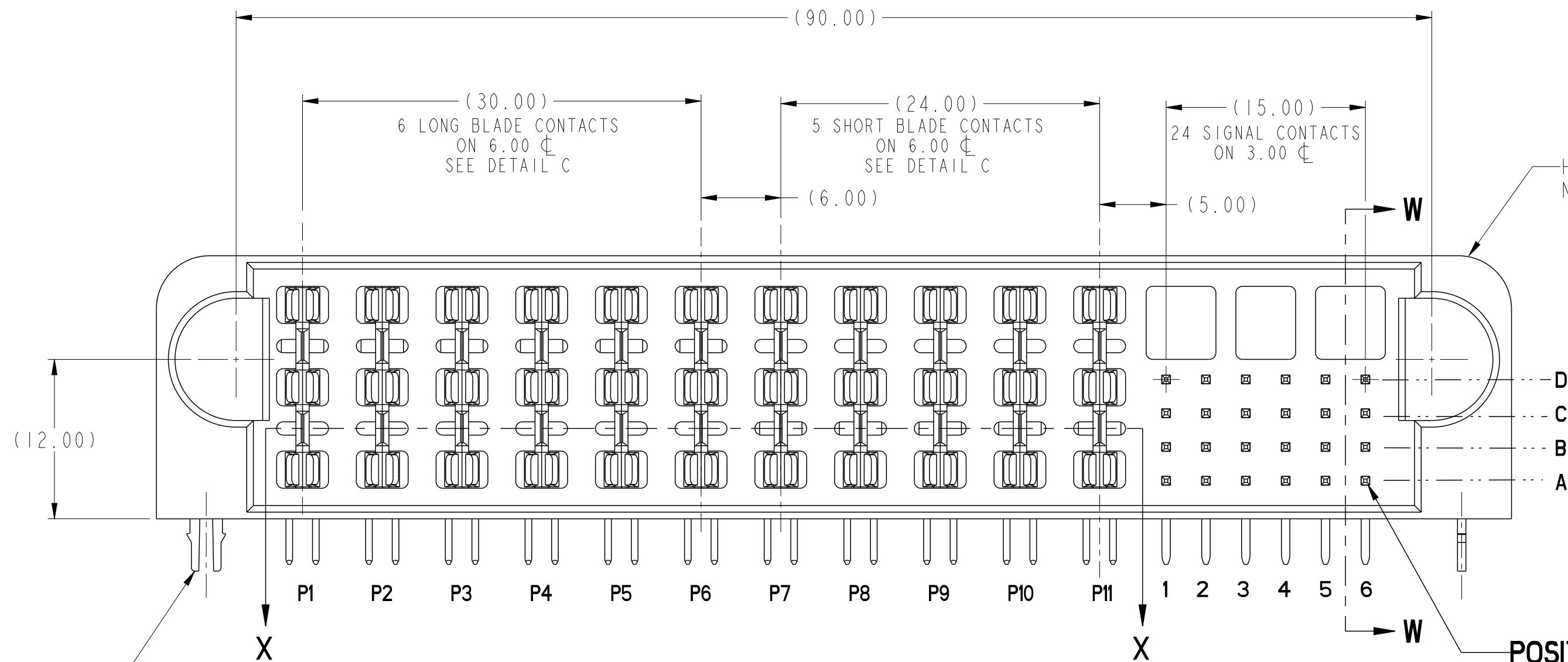




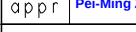
SECTION X-X
SEE DETAIL C



POSITION A6
SHORT DETECT PIN
SEE SECTION W-W

Copyright FCI.
FCI

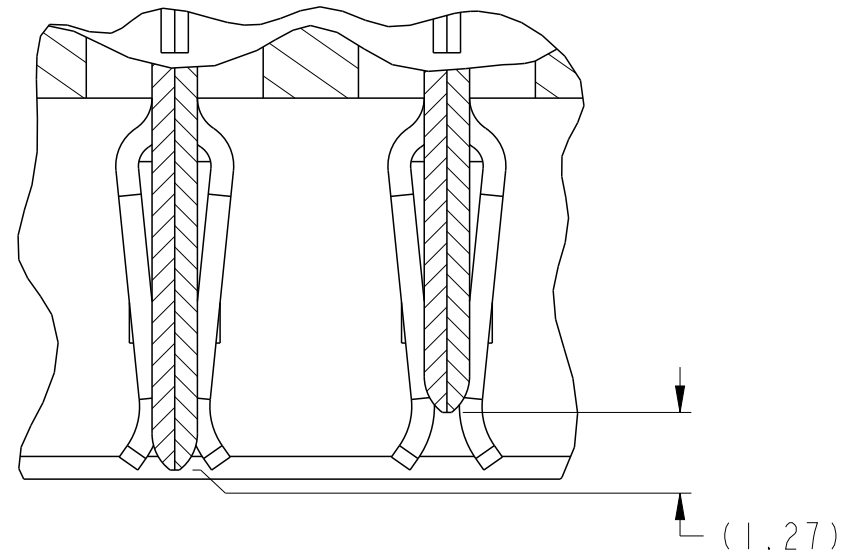
RETENTION CLIPS
OPTIONAL
(SEE P/N TABLE)

spec ref	-		dr	NotFound DuWa	2010/04/28		MM 	size	A2	scale	3:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	De-Ming Lu	2014/12/28			ecn no	ELX-DG-19849-1		
ASME Y14.5			chr	-	-			rel level	Released		
			appr	Pei-Ming Zheng	2014/12/29	product family		HCI			
surface 	linear	0.X	±0.5		title	R/A HEADER ASSY I1DC+24S HCI POWER CONNECTOR		dwg no	10082091		rev
		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		C

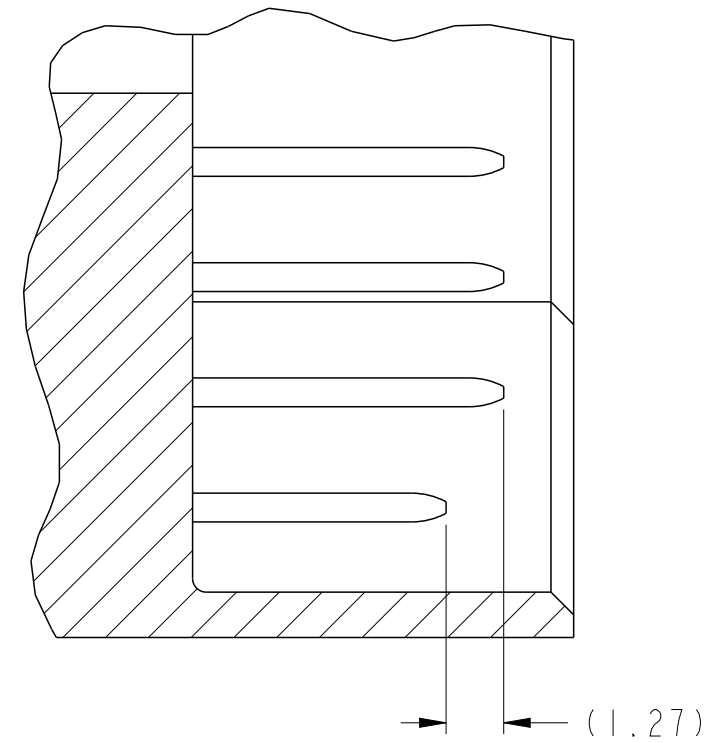
PDS: Rev :C

STATUS:Released

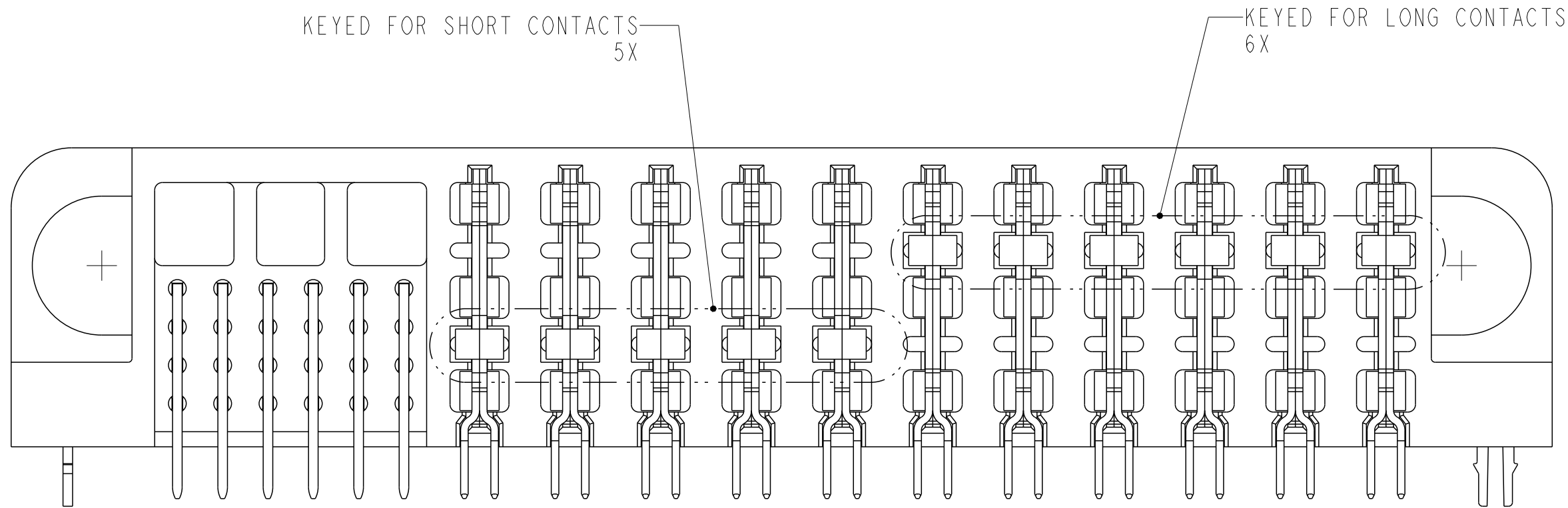
Printed: Dec 30, 2014



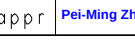
DETAIL C
SCALE 6:1
POWER MATING
SEQUENCE

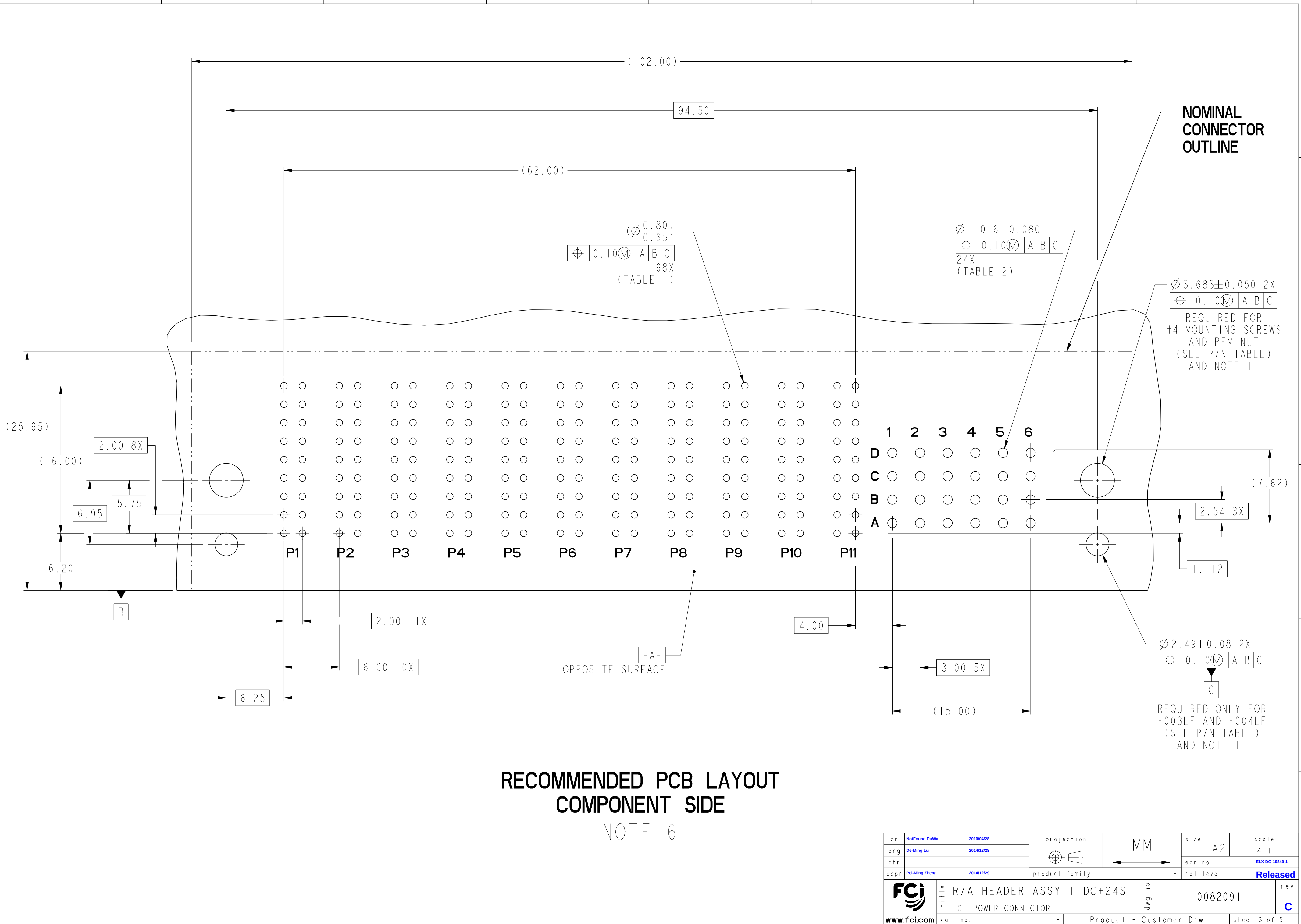


SECTION W-W
SCALE 6:1
SIGNAL MATING
SEQUENCE

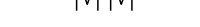


VIEW G-G

dr	NotFound DuWa	2010/04/28			size	A2	scale	3:1	
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		HCI				
	title	R/A HEADER ASSY IIDC+24S			dwg no	10082091		rev	
		HCI POWER CONNECTOR							
www.fci.com	cat. no.	-	Product - Customer Drw				sheet 2 of 5		



RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTE 6

dr	NotFound DuWa	2010/04/28	projection 	MM 	size	A2	scale	4:1			
eng	De-Ming Lu	2014/12/28			ecn no	ELX-DG-19849-1					
chr	-	-			rel level			Released			
appr	Pei-Ming Zheng	2014/12/29	product family		-						
			title		R/A HEADER ASSY I1DC+24S HCI POWER CONNECTOR		dwg no		10082091	rev	C
www.fci.com			cat. no.		-	Product - Customer Drw			sheet 3 of 5		

	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
C	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	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER 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)
	IMMERSION TIN			--	--	--	--	--	
IMMERSION SILVER			--	--	--	--	--		
D	COPPER (SEE NOTE 9)			--	--	--	--		
	GOLD			--			--		
E									
F									F
PDS: Rev :C		STATUS:Released		Printed: Dec 30, 2014					

dr	NotFound DuWa	2010/04/28	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		-	
www.fci.com		cat. no.		-		Product - Customer Drw		sheet 4 of 5
FCi		title		R/A HEADER ASSY IIDC+24S		dwg no		10082091
				HCI POWER CONNECTOR				C

1

2

3

4

5

6

7

8

PART NUMBER	RETENTION CLIPS	#4 SCREW	DIM A ±0.25 (TAIL LENGTH)	TAIL TYPE
I0082091-001LF	NO	YES	3.43	SOLDER TAIL
I0082091-002LF	NO	YES	4.70	SOLDER TAIL
I0082091-003LF	YES	NO	3.43	SOLDER TAIL
I0082091-004LF	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	Not Found DuWa	2010/04/28	projection MM	size	A2	scale	3:1		
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	HCI				
www.fci.com			title	R/A HEADER ASSY IIDC+24S HCI POWER CONNECTOR		dwg no	I0082091	rev	C
			cat. no.	-		Product - Customer Drw		sheet 5 of 5	

PDS: Rev :C

STATUS:Released

Printed: Dec 30, 2014

Copyright FCI.

FCI