

1 2 3 4 5 6 7 8

A

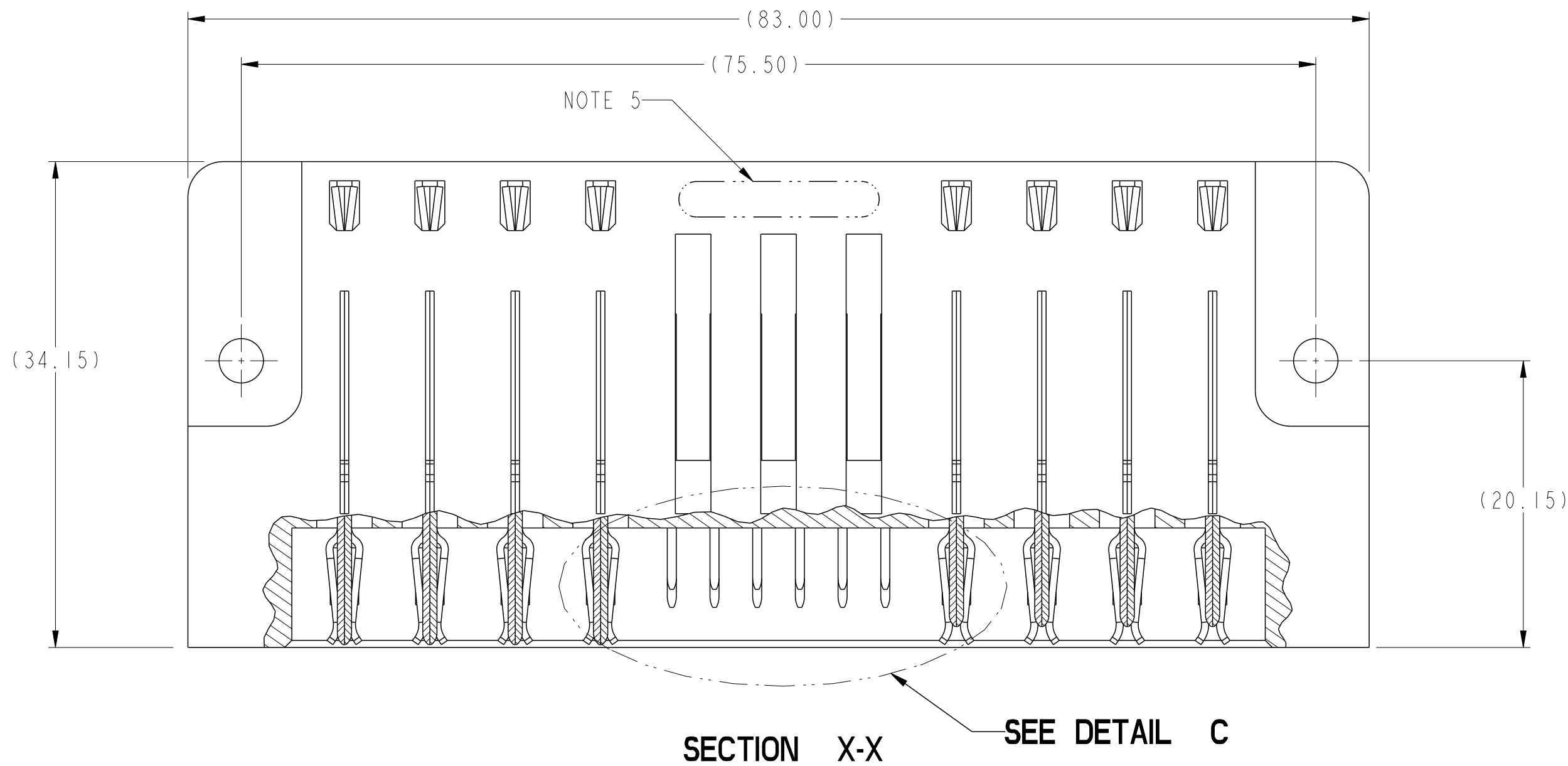
B

C

A

B

C



D

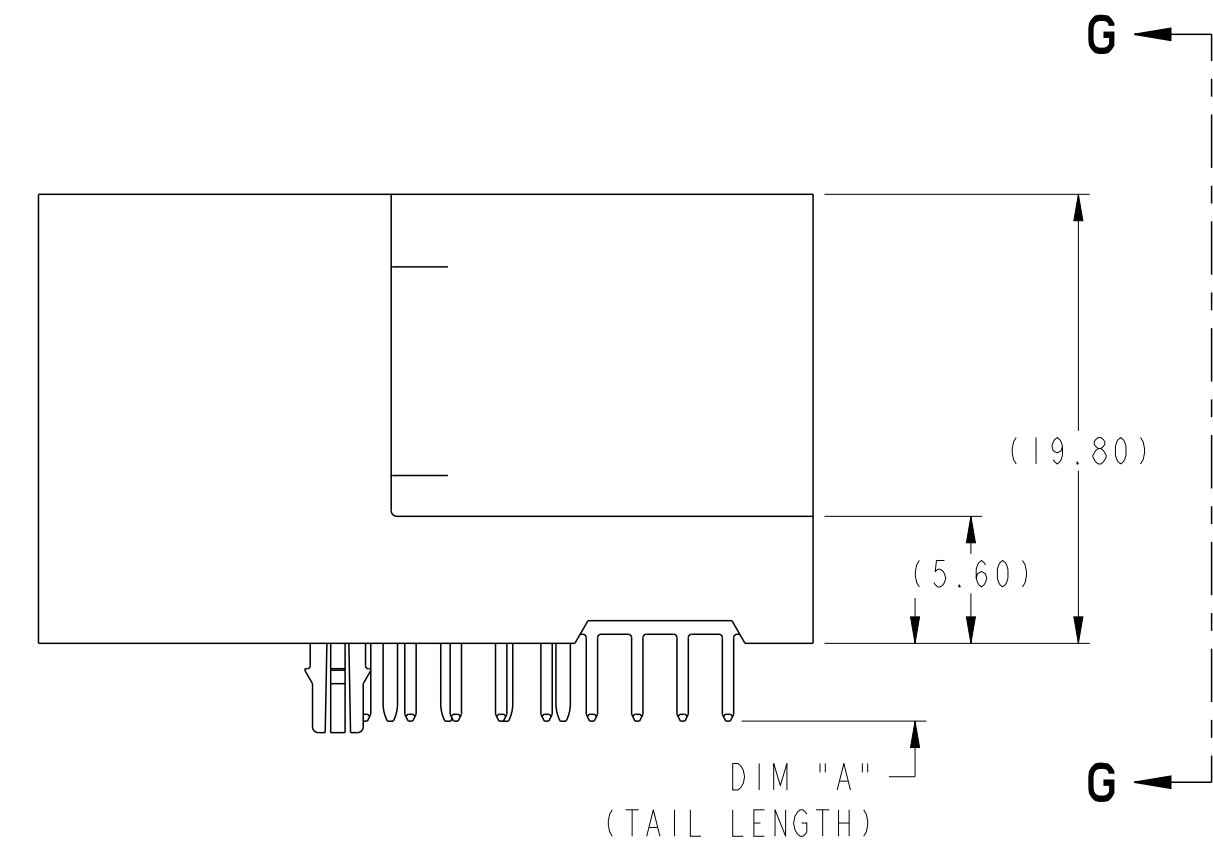
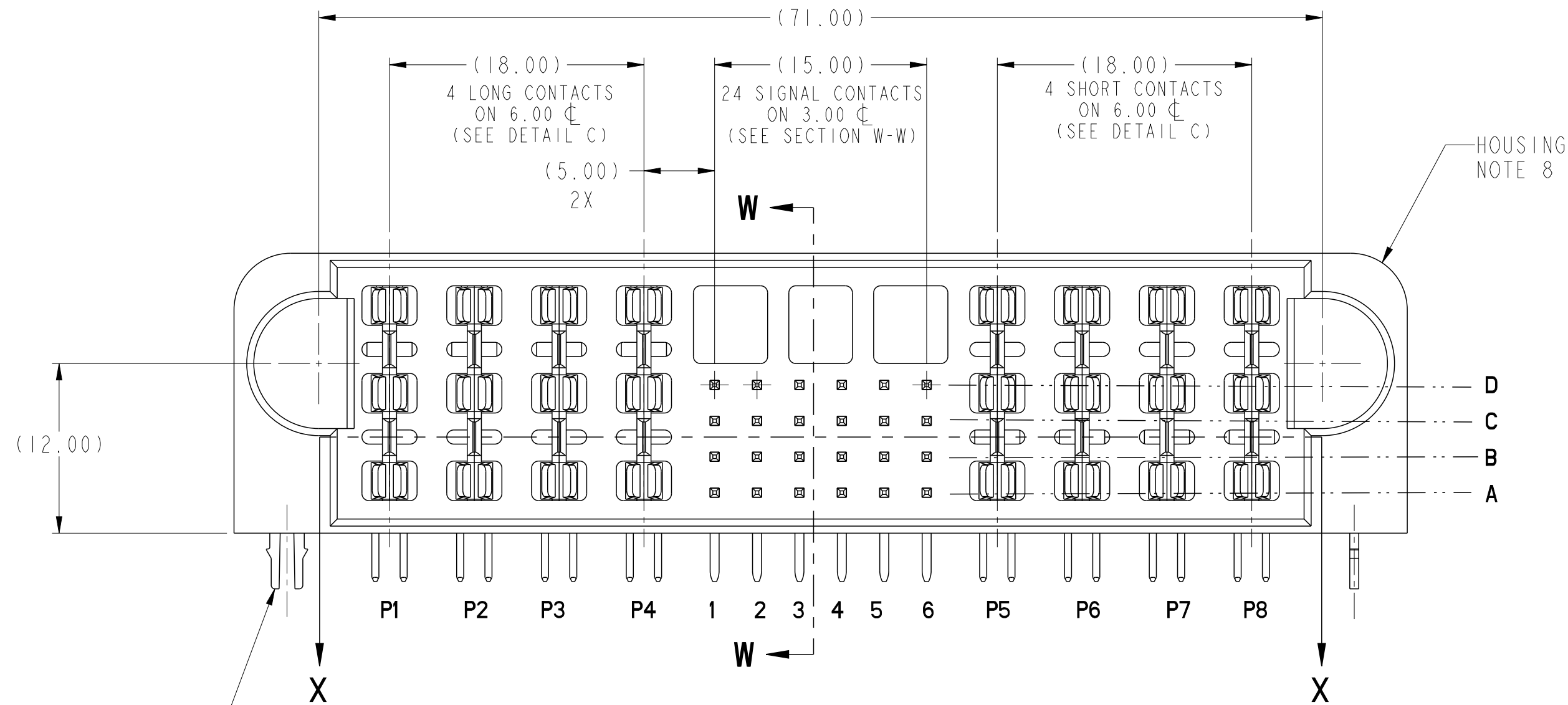
E

F

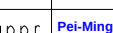
D

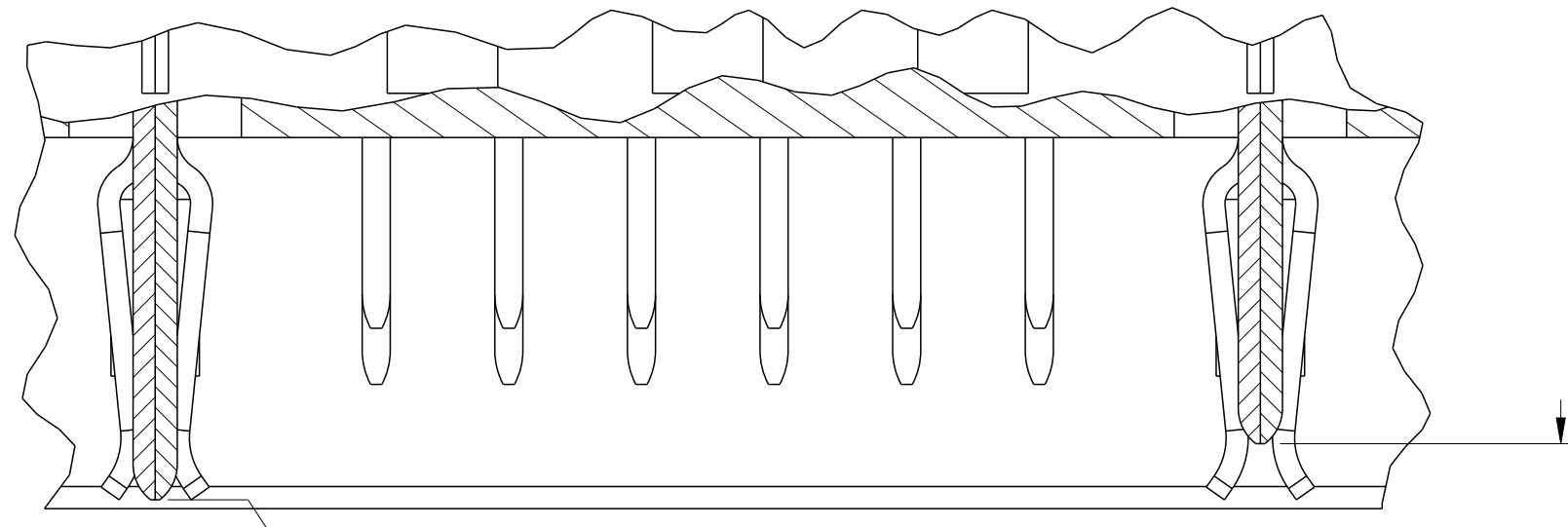
E

F

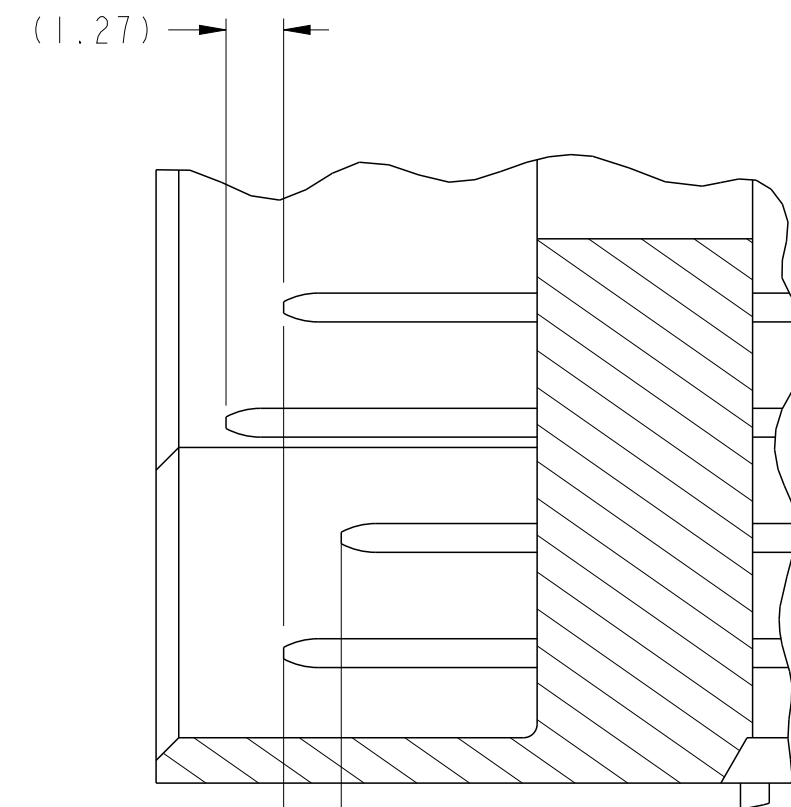


RETENTION CLIPS
OPTIONAL
(SEE P/N TABLE)

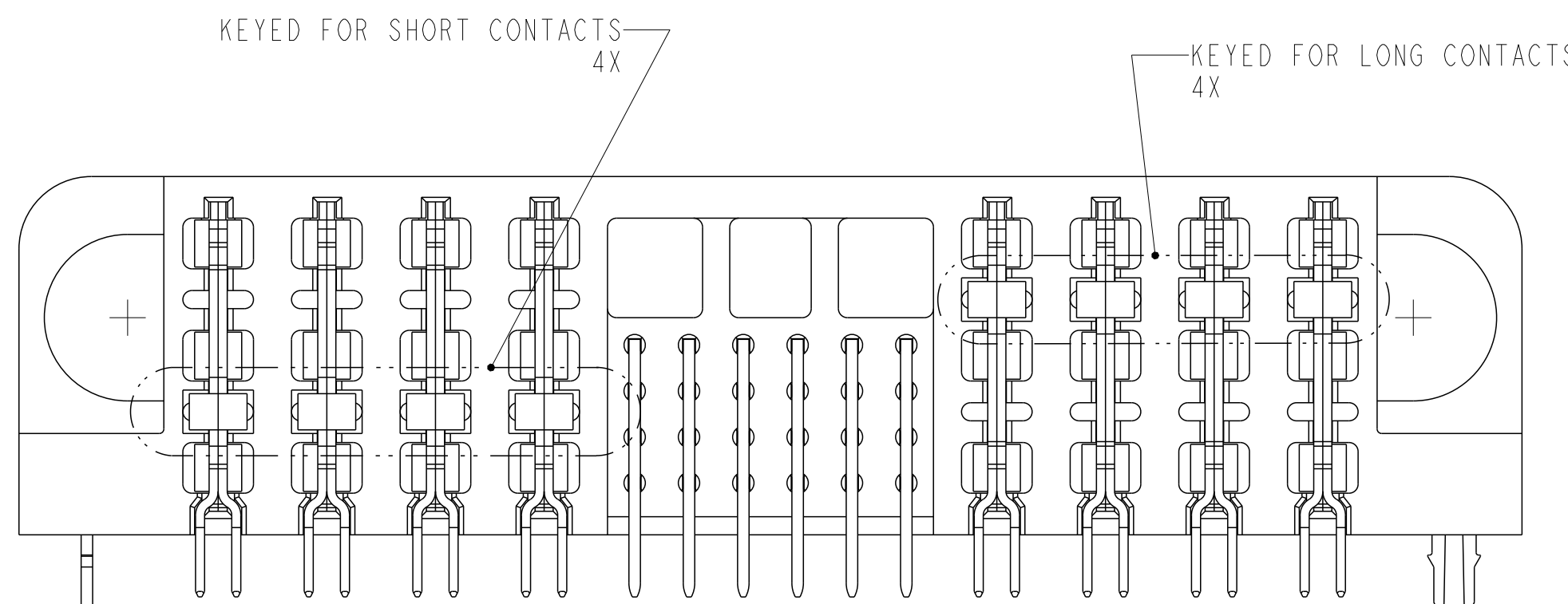
spec ref		-		dr		NotFound DuWa		2010/04/28		projection						size		A2		scale		3:1			
tolerance std		-		eng		De-Ming Lu		2014/12/27						ecn no		ELX-DG-19849-1									
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		-						rel level		Released									
				appr		Pei-Ming Zheng		2014/12/29						product family		HCl									
surface				linear		0.X		±0.5				title		R/A HDR ASSY 4P+24S+4P		HCl POWER CONNECTOR		dwg no		10077213		rev		B	
				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									



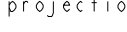
DETAIL C
SCALE 6:1
POWER MATING
SEQUENCE



SECTION W-W
SCALE 6:1
SIGNAL MATING
SEQUENCE



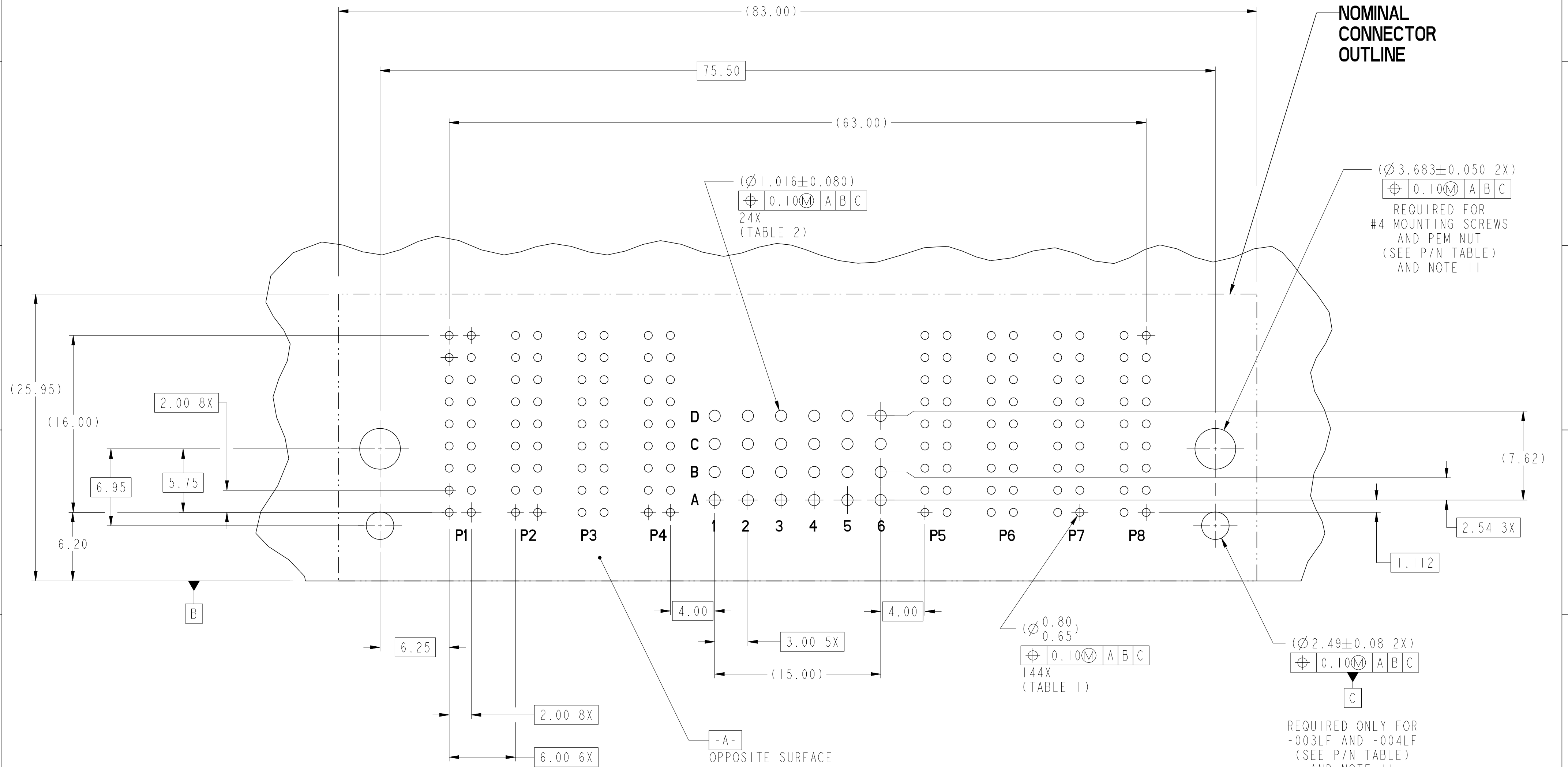
VIEW G-G

dr	NotFound DuWa	2010/04/28		MM	size	A2	scale	3:1		
eng	De-Ming Lu	2014/12/27				ecn no	ELX-DG-19849-1			
chr	-	-					product family	HCI	rel level	Released
appr	Pei-Ming Zheng	2014/12/29			title					dwg no
					R/A HDR ASSY 4P+24S+4P		10077213		B	
					HCI POWER CONNECTOR					
www.fci.com		cat. no.	-	Product - Customer Drw			sheet 2 of 5			

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RECOMMENDED PCB LAYOUT COMPONENT SIDE

NOTE 6

dr	Not Found 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	-				
FCI		R/A HDR ASSY 4P+24S+4P		dwg no		10077213		rev
www.fci.com		HCI POWER CONNECTOR						B
cat. no.		-		Product - Customer Drw		sheet 3 of 5		

PDS: Rev :B

STATUS:Released

Printed: Dec 30, 2014

	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									

1

2

3

4

5

6

7

8

PART NUMBER	RETENTION CLIPS	#4 SCREW	DIM A (TAIL LENGTH)	TAIL TYPE
I0077213-001LF	NO	YES	3.43	SOLDER TAIL
I0077213-002LF	NO	YES	4.70	SOLDER TAIL
I0077213-003LF	YES	NO	3.43	SOLDER TAIL
I0077213-004LF	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	2014/12/27		ecm no	ELX-DG-19849-1				
chr	-	-			rel level	Released			
appr	Pei-Ming Zheng	2014/12/29							
FCI www.fci.com			title	R/A HDR ASSY 4P+24S+4P HCI POWER CONNECTOR		dwg no	I0077213	rev	B
cat. no.			-		Product - Customer Drw		sheet 5 of 5		

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