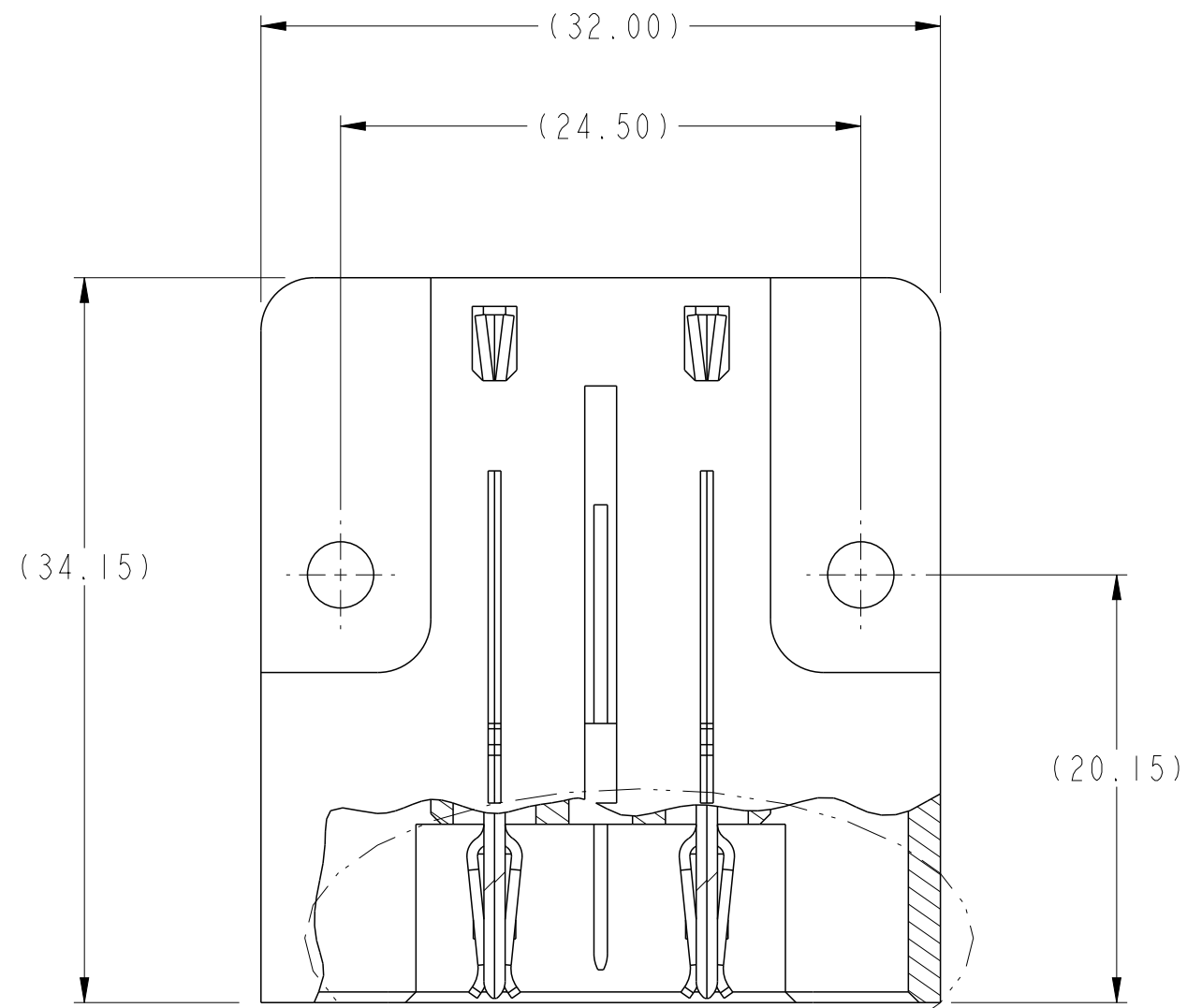
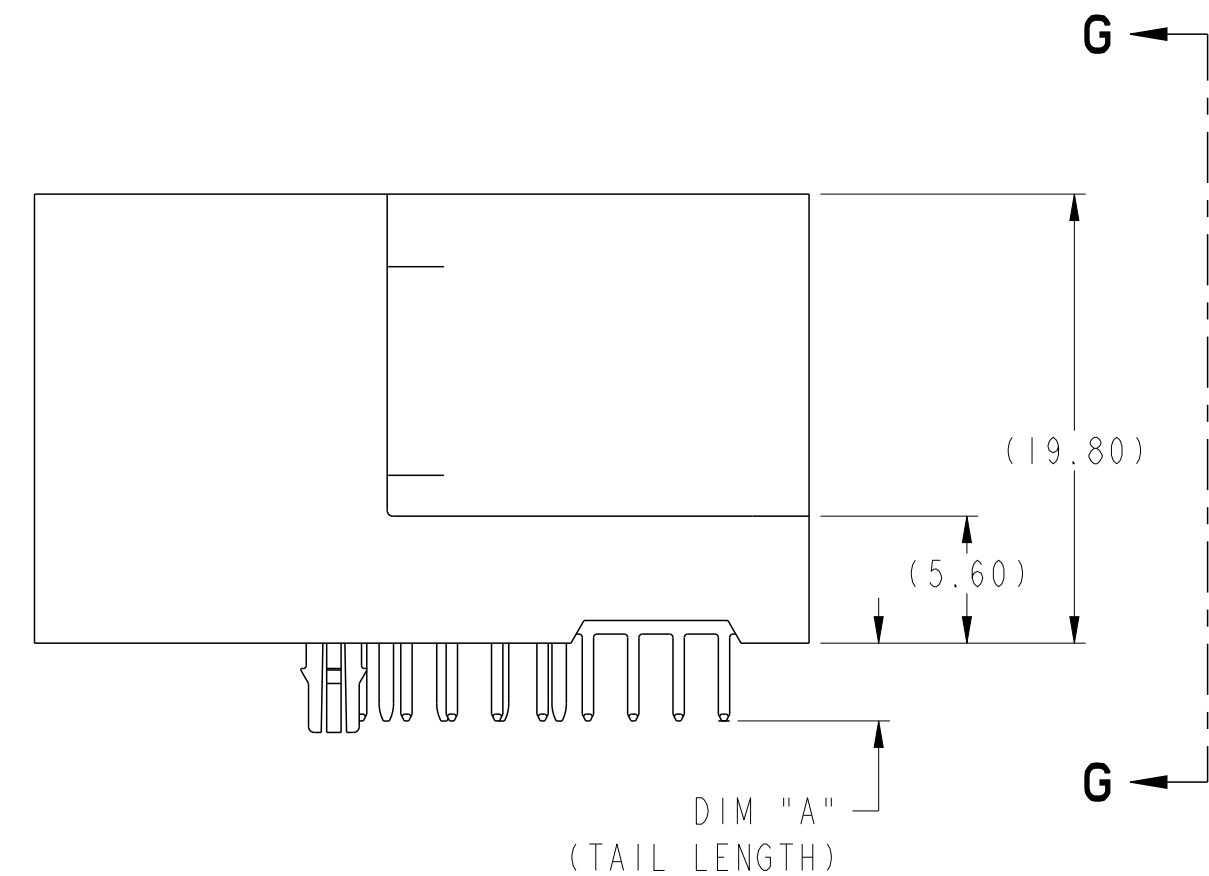
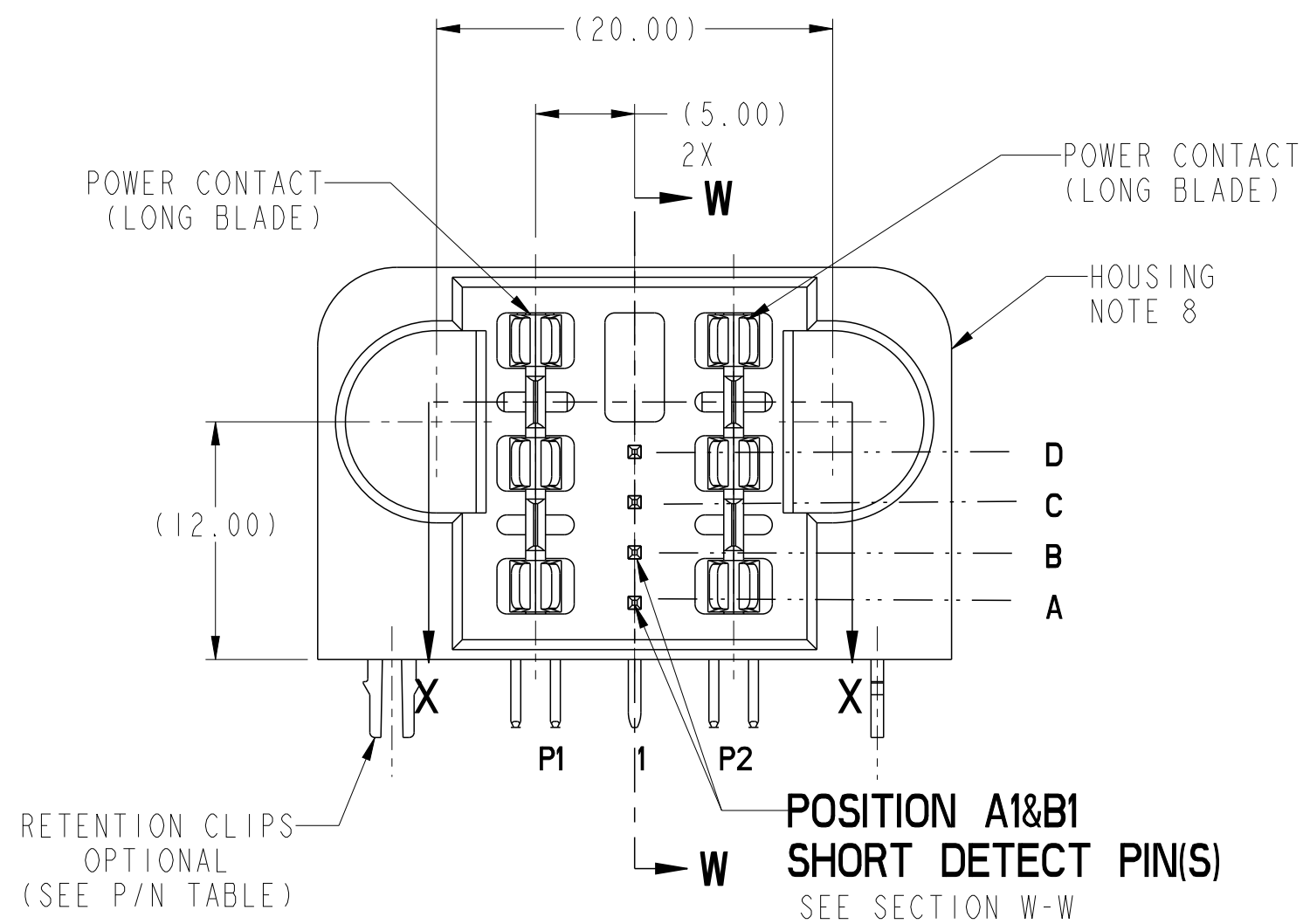




SECTION X-X SEE DETAIL C

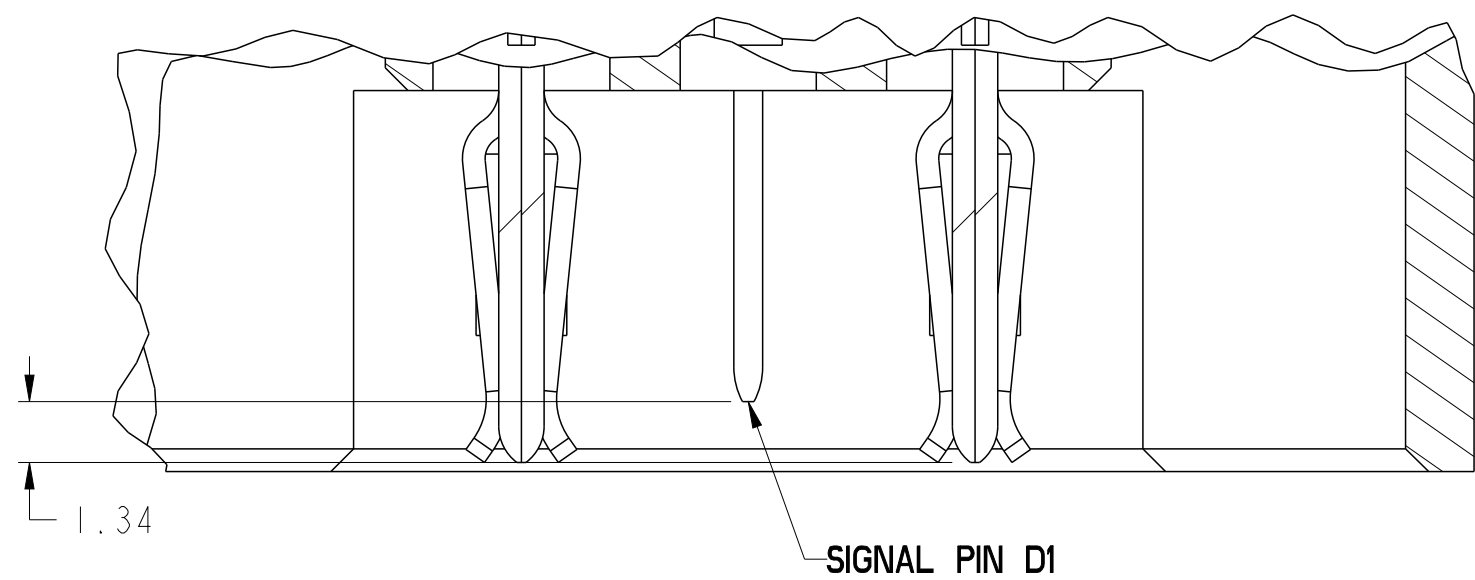


spec ref		*	dr	DuWa	2010/04/28	projection	MM	size	A2	scale	1:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Helen Zhang	2012/07/23			ecn no	-	rel level	Released		
ASME Y14.5			chr	-	-								
			appr	Pei-Ming Zheng	2012/07/23	product family							
surface		✓	linear	FCI	title	R/A HDR ASSY 1P-4S-1P HCI POWER CONNECTOR	dwg no	10108304		rev	A		
												0.X	±.5
												0.XX	±.25
				0.XXX	±.10								
ASME Y14.5		angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw		sheet 1 of 5			

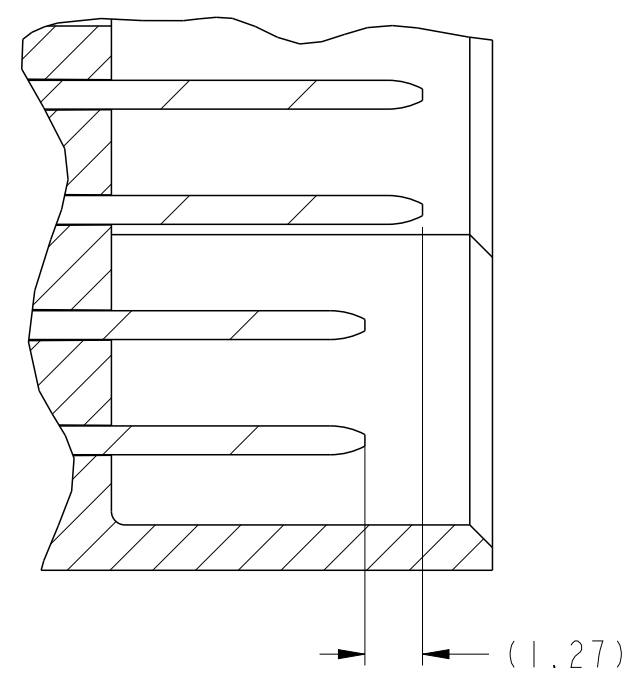
PDS: Rev :A

STATUS:Released

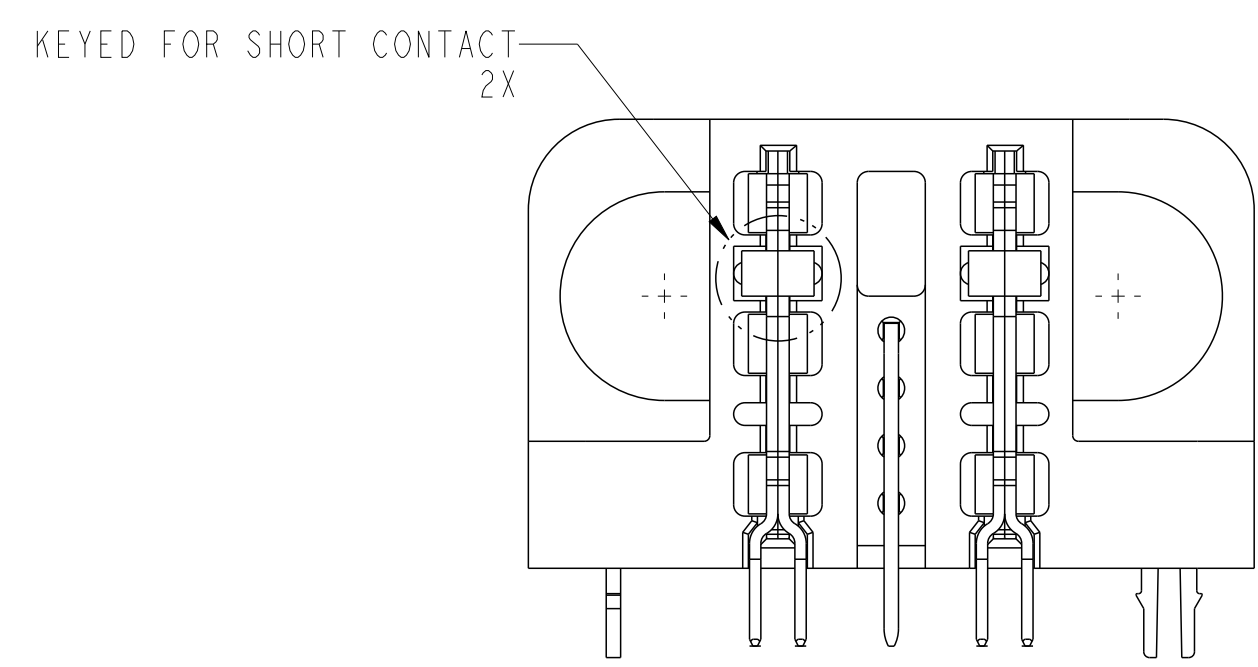
Printed: Jul 23, 2012



DETAIL C
SCALE 6:1
POWER MATING
SEQUENCE



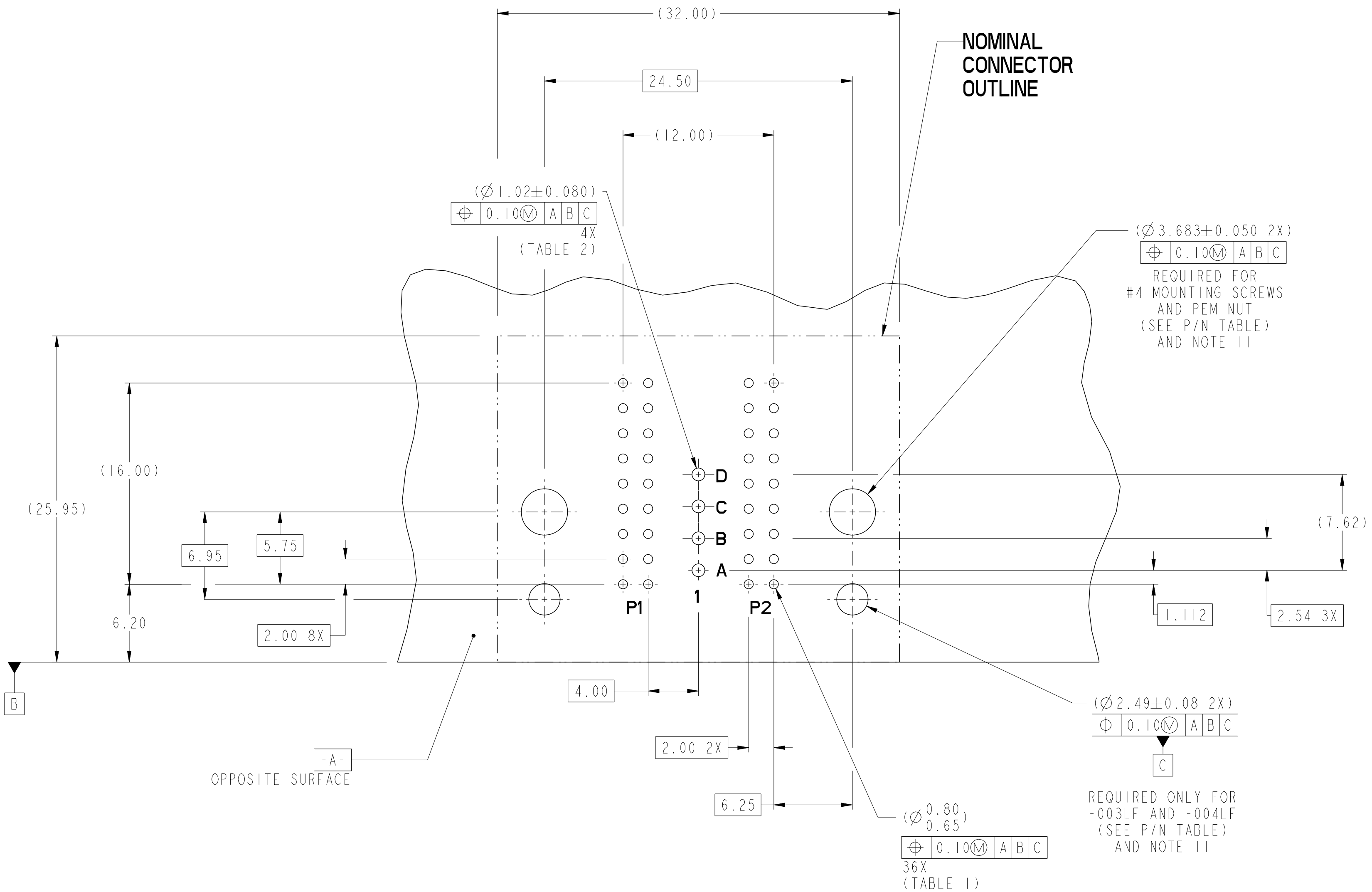
SECTION W-W
SCALE 6:1
SIGNAL MATING
SEQUENCE



VIEW G-G

Copyright FCI.
FCI

spec ref *		dr DuWa		2010/04/28		projection		MM		size A2		scale 1:1	
tolerance std		eng Helen Zhang		2012/07/23						ecn no		-	
- ASME Y14.5		chr -		-									
		appr Pei-Ming Zheng		2012/07/23		product family		-		rel level		Released	
surface		linear		0.X ±.5				title R/A HDR ASSY IP-4S-IP HCI POWER CONNECTOR		dwg no 10108304		rev A	
		0.XX ±.25											
		0.XXX ±.10											
ASME Y14.5		angular 0° ±2°		www.fci.com		cat. no. -		Product- Customer Drw		sheet 2 of 5			



RECOMMENDED PCB LAYOUT COMPONENT SIDE

NOTE 6

spec ref		*		dr		DuWa		2010/04/28		projection		size		scale	
tolerance std				eng		Helen Zhang		2012/07/23				A2		4:1	
- ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		-				ecn no		-	
				appr		Pei-Ming Zheng		2012/07/23		product family		-		Released	
surface				linear				title		R/A HDR ASSY IP-4S-IP		dwg no		10108304	
ASME Y14.5				angular		0°		±2°		www.fci.com		cat. no.		-	
						0.X		±.5							
						0.XX		±.25							
						0.XXX		±.10							
												Product - Customer Drw		sheet 3 of 5	
														rev	
														A	

PDS: Rev :A

STATUS:Released

Printed: Jul 23, 2012

A

A

	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
B	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

B

B

C

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 ($\varnothing .0453 \pm .0010$)	0.025-0.050	0.005-0.015	0.94 - 1.10 ($\varnothing .040 \pm .003$)

D

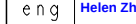
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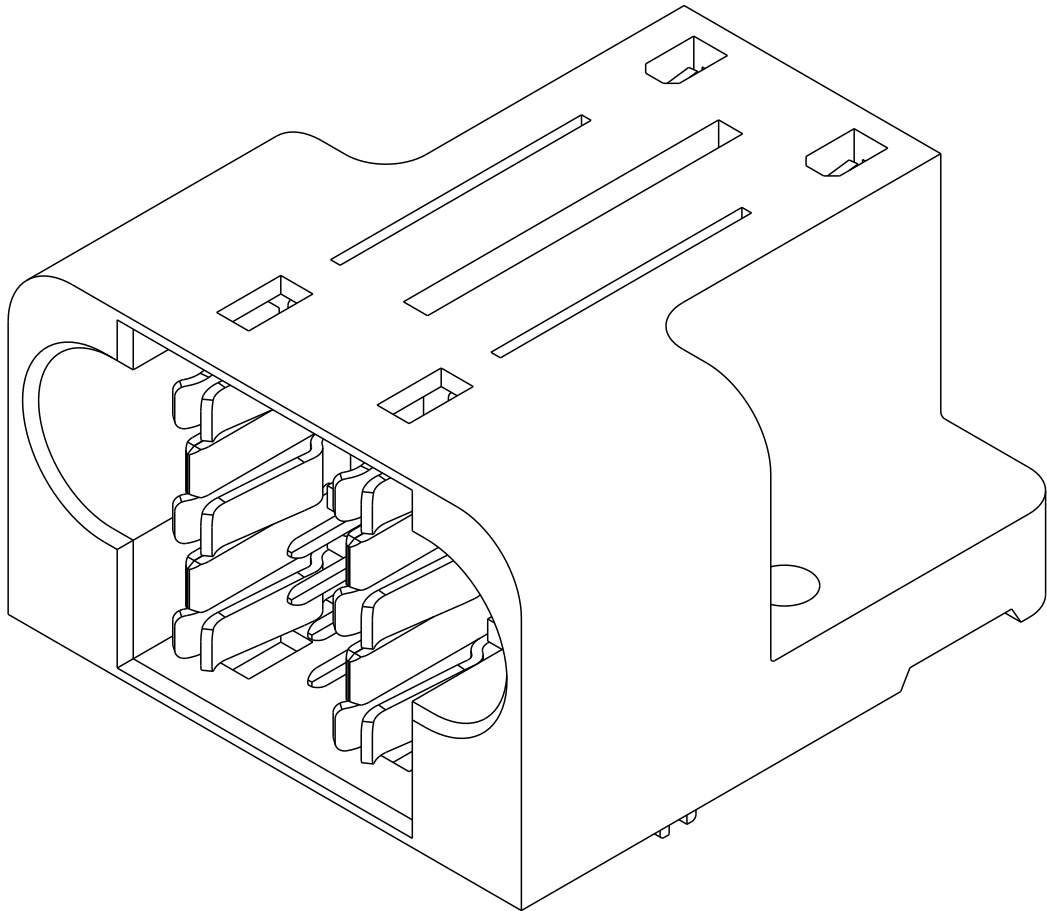
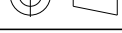
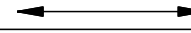
E

E

F

F

spec ref		*	dr		DuWa	2010/04/28	projection 	MM 	size	A2	scale	4:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED	eng		Helen Zhang	2012/07/23			ecn no	-	rel level	Released	
- ASME Y14.5			chr		-	-			product family				-
appr		Pei-Ming Zheng		2012/07/23									
surface 	linear	0.X	±.5		title	R/A HDR ASSY IP-4S-IP HCI POWER CONNECTOR			dwg no	10108304		rev	A
		0.XX	±.25										
		0.XXX	±.10										
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw			sheet 4 of 5			

1		2		3		4		5		6		7		8															
PART NUMBER		RETENTION CLIPS		#4 SCREW		DIM A (TAIL LENGTH)		TAIL TYPE																					
10108304-001LF		NO		YES		3.43		SOLDER TAIL																					
10108304-002LF		NO		YES		4.70		SOLDER TAIL																					
10108304-003LF		YES		NO		3.43		SOLDER TAIL																					
10108304-004LF		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. MINIMUM NOMINAL PCB THICKNESS: 1.6mm																													
6. PACKAGING MEETS FCI SPECIFICATION GS-14-1073.																													
7. HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.																													
8. COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.																													
9. ALL HOLE SIZES ARE FINISHED HOLE SIZES.																													
10. MOUNTING HOLES ARE UNPLATED.																													
spec ref		*		dr		DuWa		2010/04/28		projection		MM		size A2		scale 1:1													
tolerance std				eng		Helen Zhang		2012/07/23						ecn no		-													
-				chr		-		-																					
ASME Y14.5				appr		Pei-Ming Zheng		2012/07/23						product family		-		rel level Released											
surface		✓		linear		0.X		±.5				R/A HDR ASSY IP-4S-IP		cat. no.		Product - Customer Drw		sheet 5 of 5											
				0.XX		±.25																							
				0.XXX		±.10																							
ASME Y14.5				angular		0°		±2°																					
PDS: Rev :A										STATUS:Released										Printed: Jul 23, 2012									