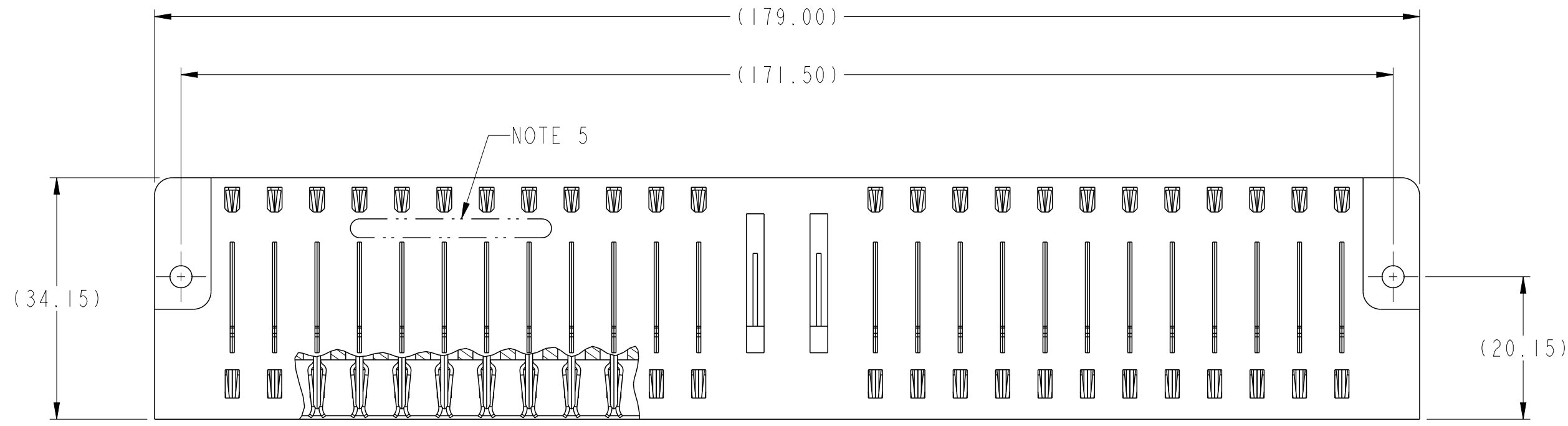
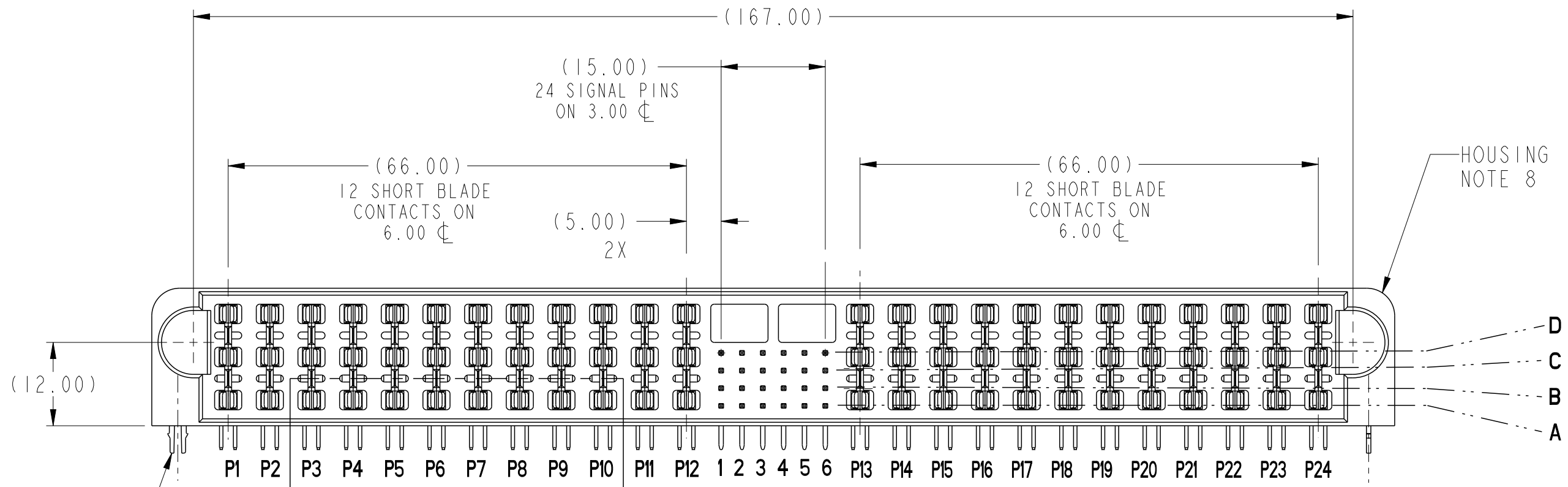
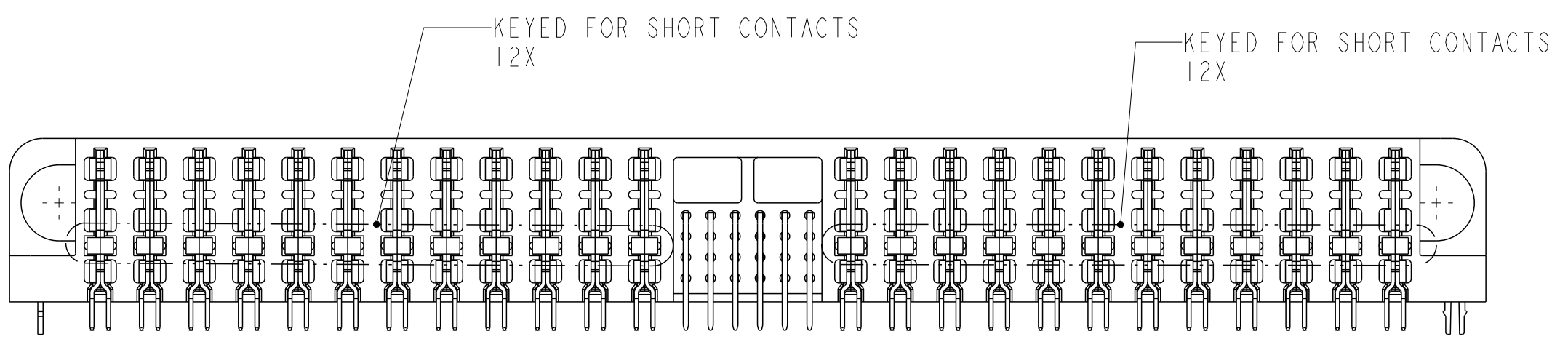




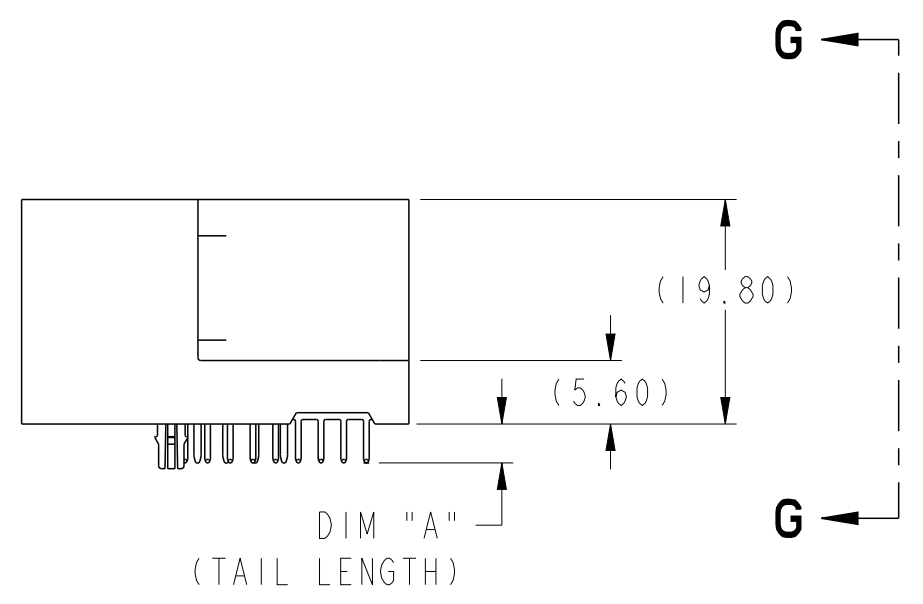
SECTION X-X



RETENTION CLIPS
OPTIONAL
(SEE P/N TABLE)



VIEW G-G



rev				spec ref				dr		Helen Zhang		2012/02/03		projection		MM		size		scale							
1 - HZ 2012-02-02				tolerance std				eng		Helen Zhang		2012/05/30						A2		1:1							
- - - -				ASME Y14.5				chr		-		-		-		-		ecn no		-							
- - - -				ASME Y14.5				appr		Pei-Ming Zheng		2012/05/31		product family		-		rel level		Released							
- - - -				surface 		linear		0.X		±.5				title		R/A HDR 12DC-24S-12DC						dwg no		10120062		rev	
0.XX		±.25																									
0.XXX		±.100																									
- - - -				ASME Y14.5		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw						sheet 1 of 4			
- - - -																											



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NOMINAL
CONNECTOR
OUTLINE

RECOMMENDED PCB LAYOUT
COMPONENT SIDE

NOTE 6

SEE DETAIL E

SEE DETAIL D

$(\varnothing 3.683 \pm 0.050 \text{ 2X})$
 $\oplus 0.10 \text{ (M) A B C}$
REQUIRED FOR
#4 MOUNTING SCREWS
AND PEM NUT
(SEE P/N TABLE)
AND NOTE 11

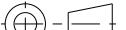
$(\varnothing 2.49 \pm 0.08 \text{ 2X})$
 $\oplus 0.10 \text{ (M) A B C}$
C
REQUIRED ONLY FOR
-003LF AND -004LF
(SEE P/N TABLE)
AND NOTE 11

$(\varnothing 0.80 \pm 0.65)$
 $\oplus 0.10 \text{ (M) A B C}$
432X
(TABLE 1)

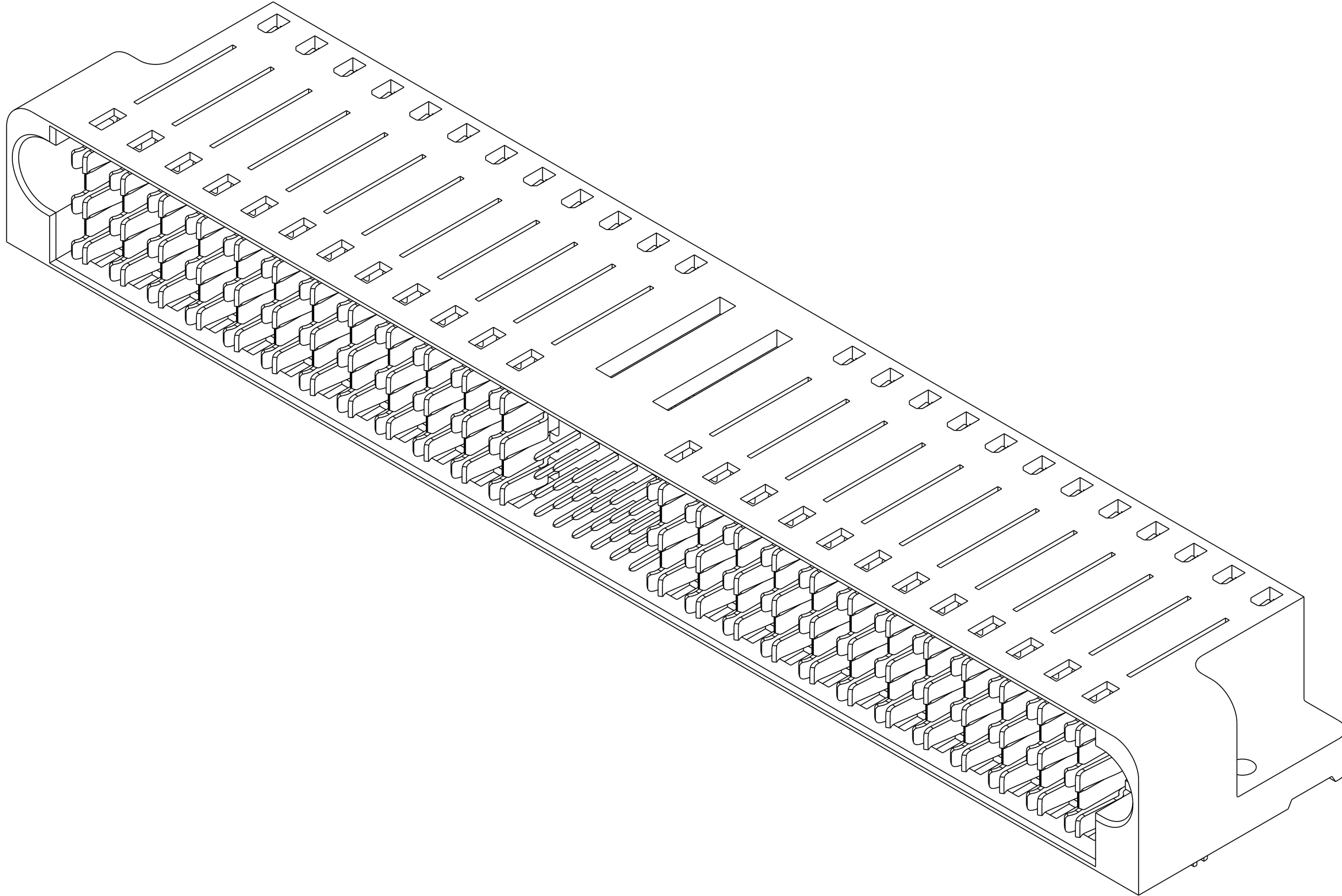
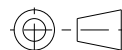
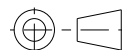
$(\varnothing 1.016 \pm 0.080)$
 $\oplus 0.10 \text{ (M) A B C}$
24X
(TABLE 2)

DETAIL D
SCALE 4:1

DETAIL E
SCALE 4:1

dr	Helen Zhang	2012/02/03	projection 	MM 	size	A2	scale	4:1	
eng	Helen Zhang	2012/05/30			ecn no	-			
chr	-	-							
appr	Pei-Ming Zheng	2012/05/31	product family		-	rel level		Released	
			title		R/A HDR 12DC-24S-12DC HCI POWER CONNECTOR			dwg no	10120062
www.fci.com			cat. no.		-	Product - Customer Drw		rev	A
			sheet 2 of 4						

	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								

1		2		3		4		5		6		7		8				
PART NUMBER		RETENTION CLIPS	#4 SCREW	DIM A (TAIL LENGTH)		TAIL TYPE												
10120062-001LF		NO	YES	3.43		SOLDER TAIL												
10120062-002LF		NO	YES	4.70		SOLDER TAIL												
10120062-003LF		YES	NO	3.43		SOLDER TAIL												
10120062-004LF		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. "FCI", P/N AND DATE CODE TO BE MARKED ON THIS SURFACE. THE P/N CAN BE OMITTED IF THERE IS NOT ENOUGH SPACE ON THIS SURFACE.																		
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.																		
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dr		Helen Zhang	2012/02/03		projection				MM		size		A2		scale		1:1	
eng		Helen Zhang	2012/05/30						-		ecn no		-		rel level		Released	
chr		-		-							-		-		-			
appr		Pei-Ming Zheng	2012/05/31		product family		-		-		rel level		-		-		-	
www.fci.com		title		R/A HDR 12DC-24S-12DC						dwg no		10120062		rev		A		
				HCI POWER CONNECTOR														
				cat. no.		-		Product - Customer Drw		sheet 4 of 4								
								PDS: Rev :A				STATUS:Released				Printed: Jun 01, 2012		