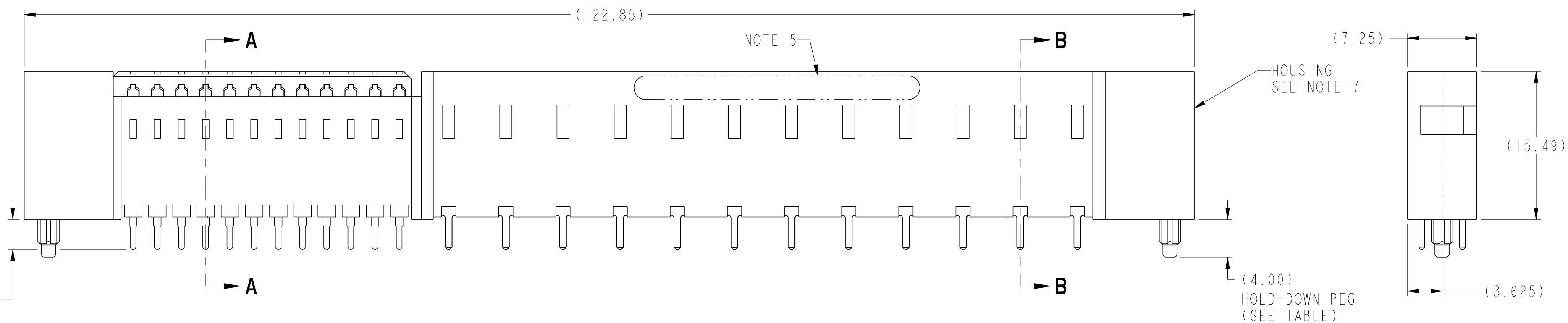
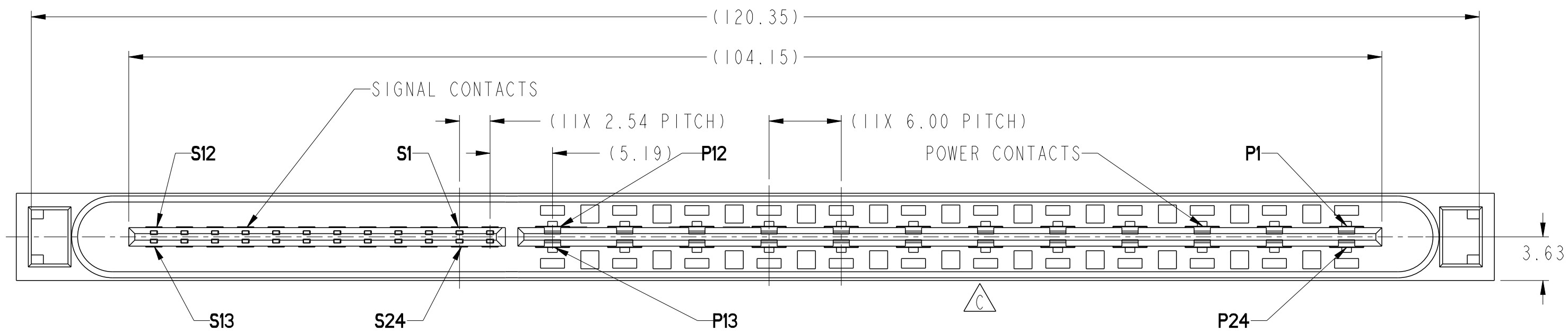
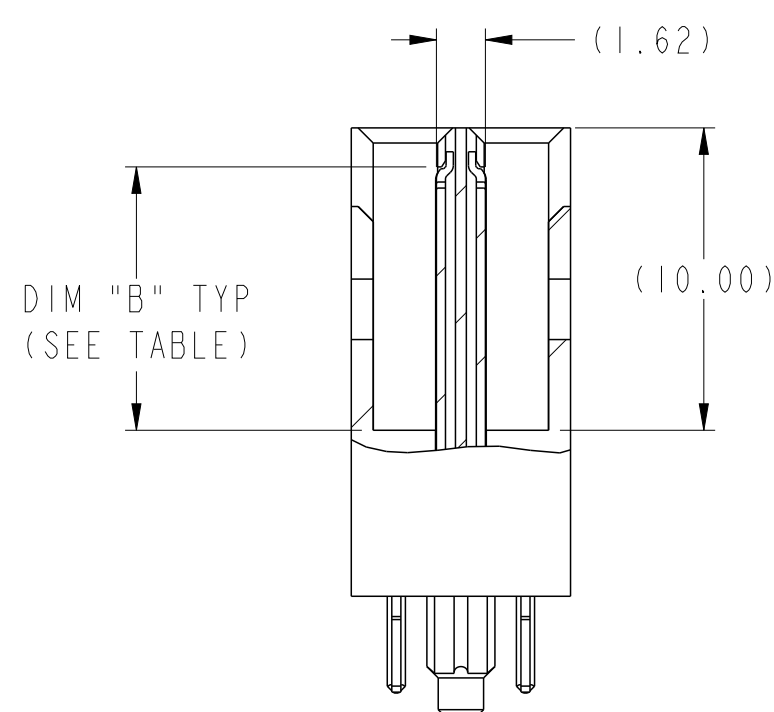
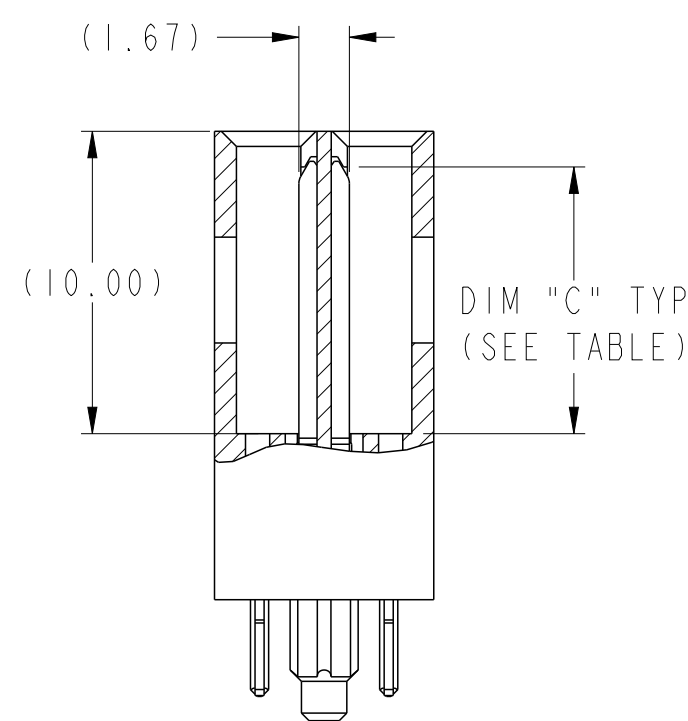




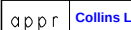
DIM "A" TYP
TAIL LENGTH
(SEE TABLE)



SECTION A-A
SCALE 4:1



SECTION B-B
SCALE 4:1

spec ref		-	dr		Steve Pressel	2012/07/09	projection				MM		size		A2	scale		3:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED	eng		Liu Jenson	2014/04/22							ecn no		ELX-DG-17541-1				
ASME Y14.5			chr		Jon Qin	2014/04/25							rel level		Released				
-			appr		Collins Lu	2014/04/25							product family		HPCE				
surface			linear		0.X ±0.3				title		VERT HEADER (24LP - 24S)		dwg no		10120947		rev		D
			0.XX ±0.10																
			0.XXX ±0.050																
ASME Y14.5		angular	0° ±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 1 of 4						

PDS: Rev :D

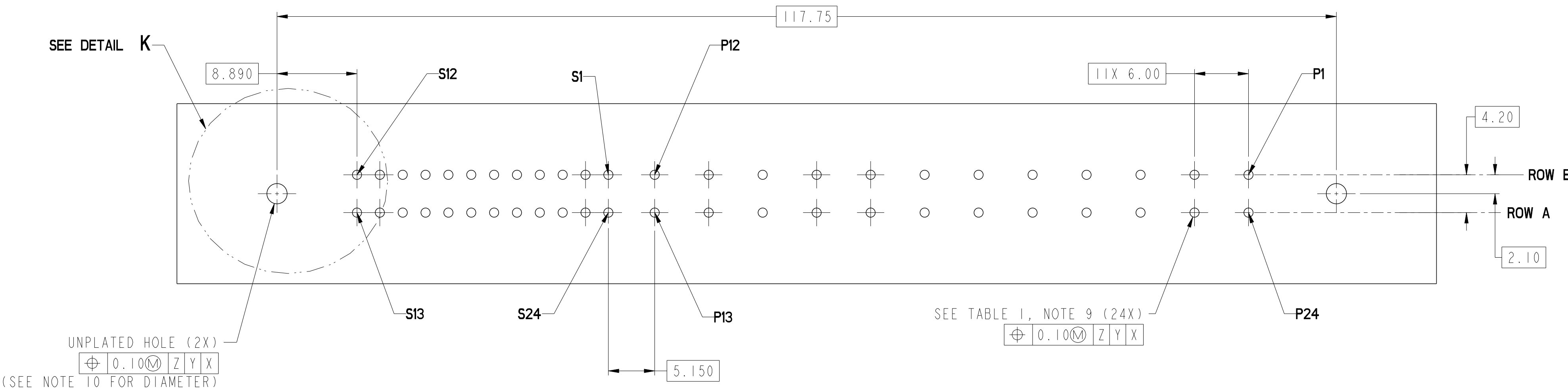
STATUS:Released

Printed: Apr 25, 2014



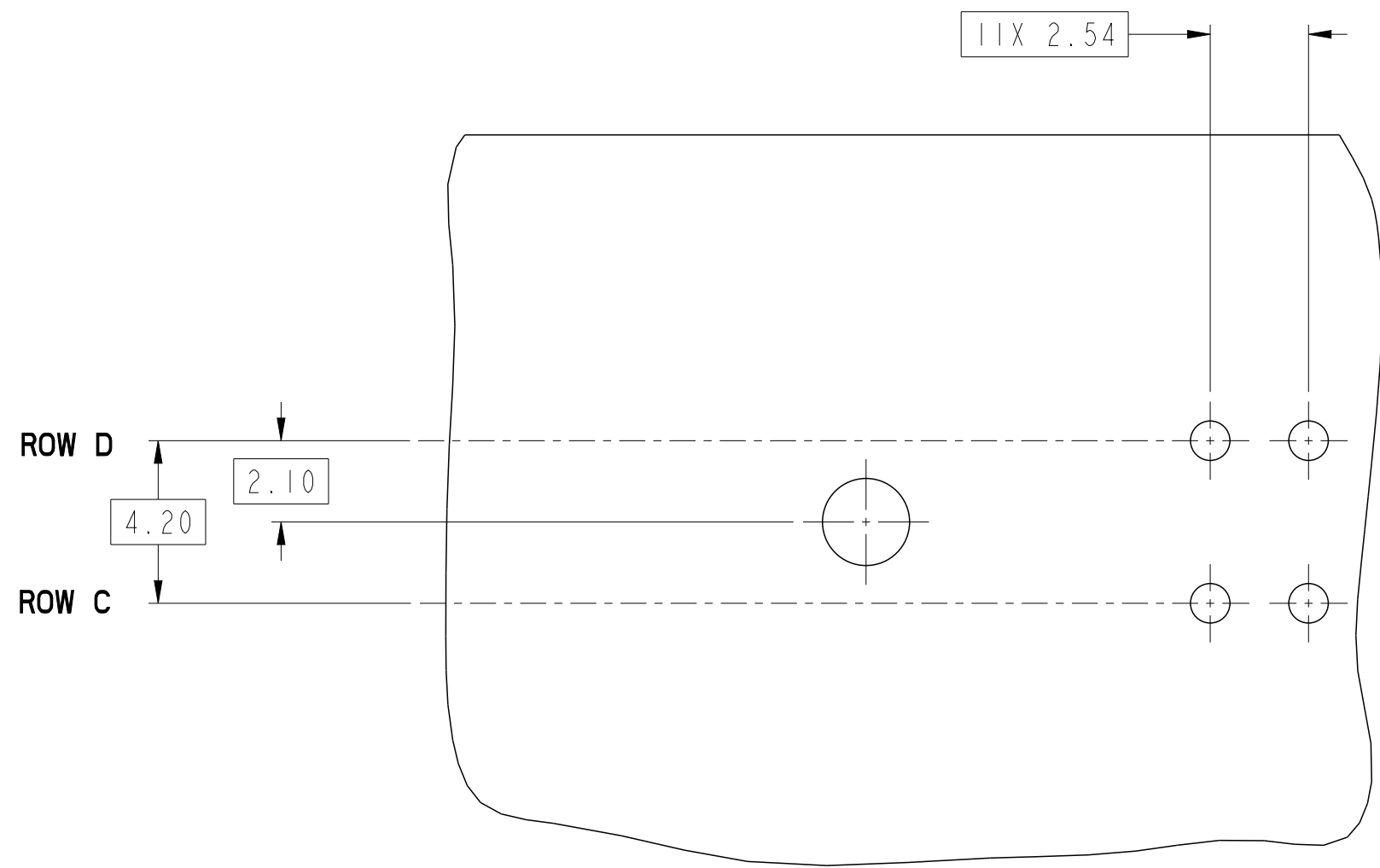
Copyright FCI.

CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.94 - 1.10
	IMMERSION TIN	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.94 - 1.10
	COPPER (SEE NOTE 8)	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	--	0.94 - 1.10



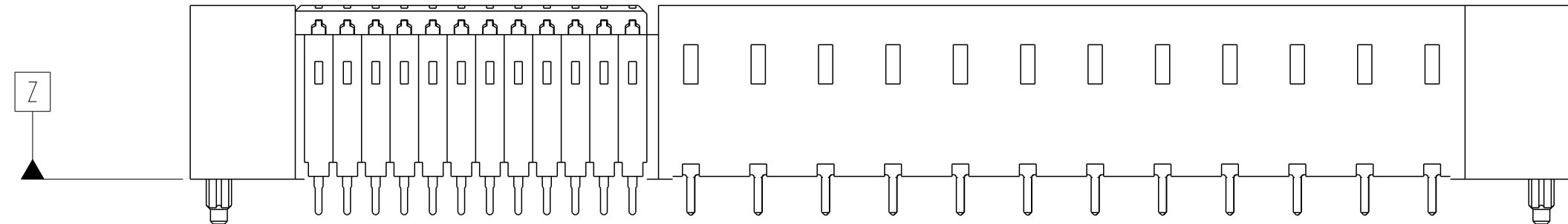
UNPLATED HOLE (2X)
(SEE NOTE 10 FOR DIAMETER)

SEE TABLE 1, NOTE 9 (24X)



DETAIL K
SCALE 6:1

RECOMMENDED PCB LAYOUT
VIEW FROM CONNECTOR SIDE



SCALE 2:1

spec ref	-	dr	Steve Pressel	2012/07/09	projection	MM	size	A2	scale	3:1
tolerance std	ASME Y14.5	eng	Liu Jenson	2014/04/22	chr	Jon Qin	ecn no	ELX-DG-17541-1	rel level	Released
surface	✓	appr	Collins Lu	2014/04/25	product family	HPCE	rel level	Released	rev	D
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.050	title	VERT HEADER (24LP - 24S)	cat. no.	-	Product - Customer Drw	sheet 2 of 4			
angular	0° ±2°	www.fci.com								

PRODUCT PART NUMBER

10120947-□□□□□LF

BASE PART NUMBER

CONTACT AREA PLATING
UNDERPLATED 50u"(1.27um) MIN. NICKEL
1: 100u"(2.5um) MIN. Ag
2: 30u"(0.760um) MIN. GXT

FIRST MATE LAST BREAK PIN POSTION
000: ALL PINS ARE LONG PINS SEE TABLE

DIM "A", TAIL LENGTH
1: 2.60±0.25mm (PCB THK 1.57±0.13mm)
2: 3.25±0.25mm (PCB THK 2.36±0.13mm)

NOTES:

1. CONNECTOR MATERIALS:

HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK UL 94V-0 COMPLIANT

CONTACTS: HIGH PERFORMANCE COPPER ALLOY.

2. CONTACT FINISH REF. GS-12-1031 SECTION 5.2

3. PRODUCT SPECIFICATION: GS-12-1031

4. APPLICATION SPECIFICATION: GS-20-0369

5. PRODUCT MARKING (FCI PART NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.

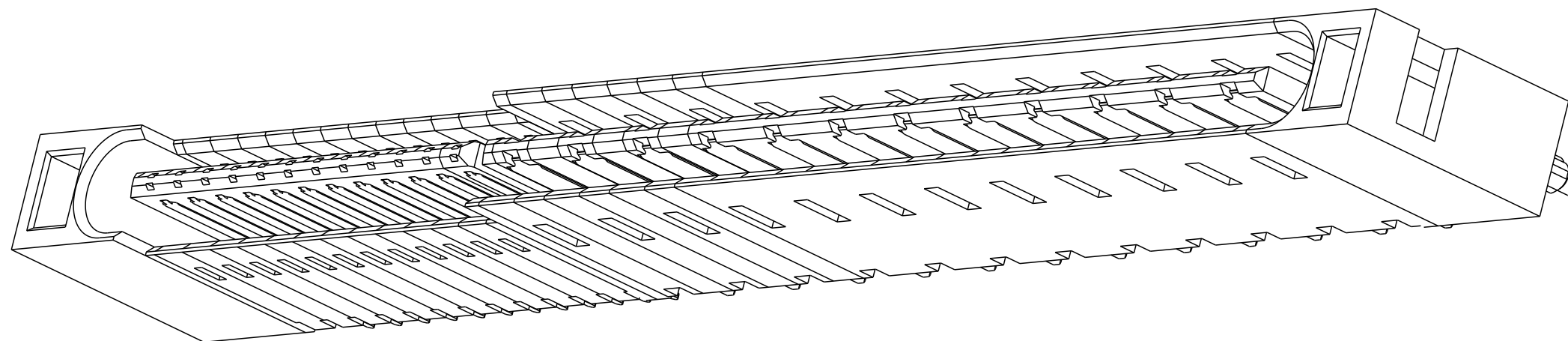
6. PACKAGING MEETS FCI SPECIFICATION GS-14-2272. 

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
Ø 2.25±0.05 FOR SOLDER TAILS



Copyright FCI.

spec ref -		dr Steve Pressel 2012/07/09		projection  MM 	size A2	scale 1:1		
tolerance std		eng Liu Jenson 2014/04/22			ecn no ELX-DG-17541-1	rel level Released		
ASME Y14.5		chr Jon Qin 2014/04/25						
-		appr Collins Lu 2014/04/25			product family -			
surface 	linear	0.X	±0.3		title	VERT HEADER (24LP - 24S) HPCE CTB - VERT HEADER	dwg no 10120947	rev
		0.XX	±0.10					
		0.XXX	±0.050					
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 3 of 4

PDS: Rev :D

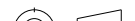
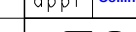
STATUS:Released

Printed: Apr 25, 2014

000	END MODULE	SIGNAL CONTACT													POWER CONTACT													END MODULE
			12	11	10	9	8	7	6	5	4	3	2	1	12	11	10	9	8	7	6	5	4	3	2	1		
		ROW C	S3	S3	S3	S3	S3	S3	S3	S3	S3	S3	S3	S3	P3	P3	P3	P3	P3	P3	P3	P3	P3	P3	P3	P3	ROW A	
		ROW D	S3	S3	S3	S3	S3	S3	S3	S3	S3	S3	S3	S3	P3	P3	P3	P3	P3	P3	P3	P3	P3	P3	P3	P3	ROW B	

SIGNAL CONTACT	ROW#	S#	DIM "B"±0.25	DIM "A"±0.25
	ROW C	S1	8.73	3.25
		S2	7.46	3.25
		S3	8.73	2.60
		S4	7.46	2.60
		S9	8.73	3.25
		S10	7.46	3.25
	ROW D	S1	8.73	3.25
		S2	7.46	3.25
		S3	8.73	2.60
		S4	7.46	2.60
		S9	8.73	3.25
		S10	7.46	3.25

POWER CONTACT	ROW#	P#	DIM "C"±0.25	DIM "A"±0.25
	ROW A	P1	8.86	3.25
		P2	7.59	3.25
		P3	8.86	2.60
		P4	7.59	2.60
		P9	8.86	3.25
		P10	7.59	3.25
	ROW B	P1	8.86	3.25
		P2	8.86	3.25
		P3	7.59	2.60
		P4	7.59	2.60
		P9	8.86	3.25
		P10	7.59	3.25

spec ref -				dr Steve Pressel		2012/07/09		projection		MM		size A2		scale 3:1	
tolerance std ASME Y14.5				eng Liu Jenson		2014/04/22						ecn no		ELX-DG-17541-1	
TOLERANCES UNLESS OTHERWISE SPECIFIED				chr Jon Qin		2014/04/25						rel level		Released	
				appr Collins Lu		2014/04/25						product family HPCE			
surface 		linear		0.X ±0.3		±0.10				title VERT HEADER (24LP - 24S) HPCE CTB - VERT HEADER		dwg no 10120947		rev D	
		0.XX ±0.10													
		0.XXX ±0.050													
ASME Y14.5		angular 0° ±2°		www.fci.com		cat. no. -		Product - Customer Drw				sheet 4 of 4			

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