

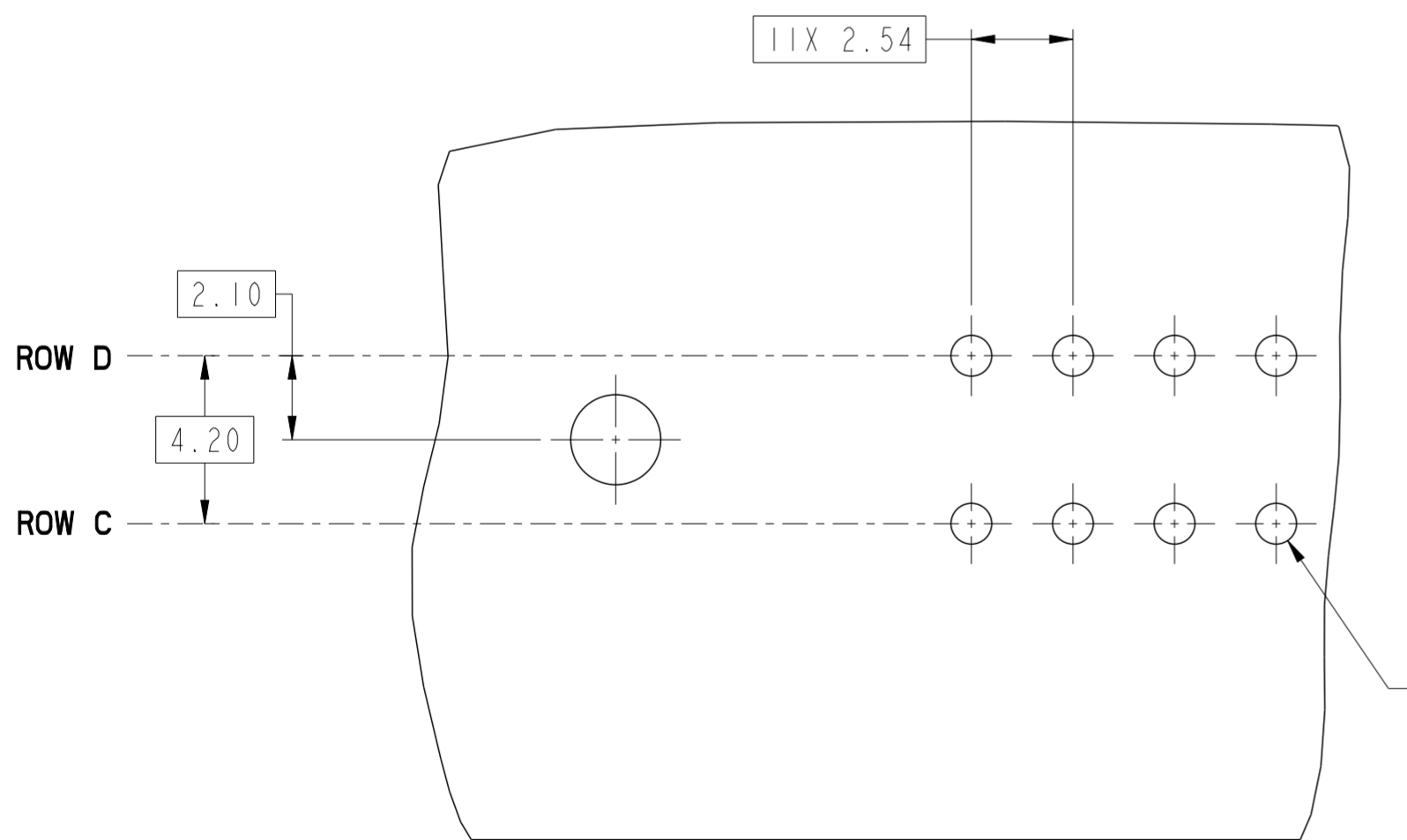
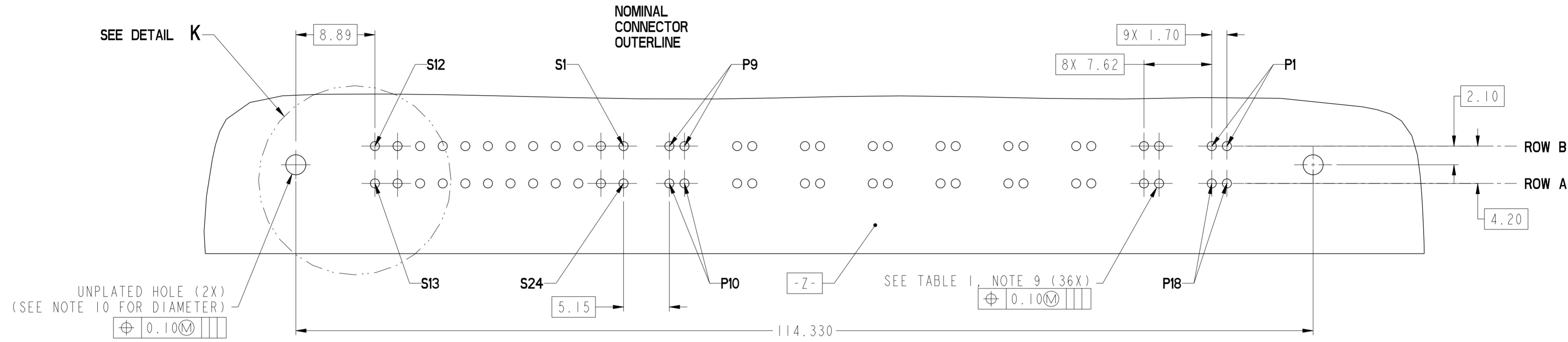
SECTION A-A  
SCALE 4:1

SECTION B-B  
SCALE 4:1

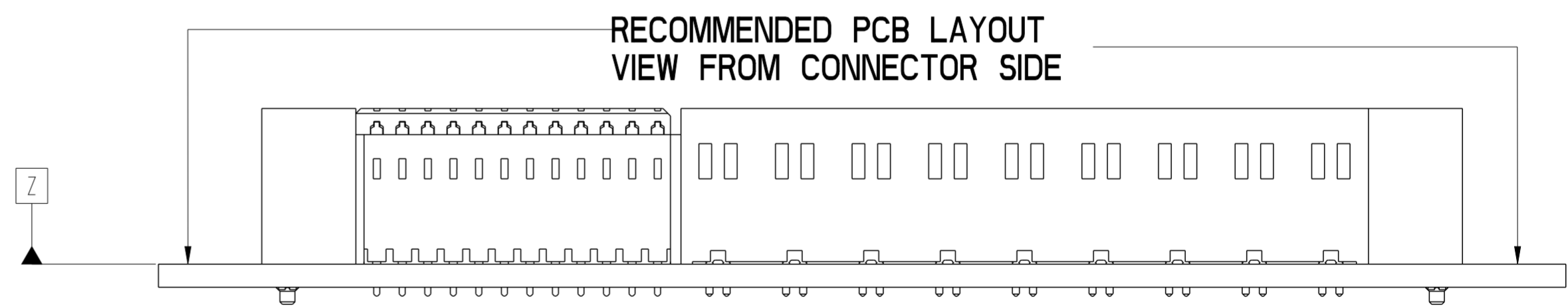
spec ref	-	dr	S Jaganathan	2012/06/25	projection	MM	size	A2	scale	3:1		
tolerance std	ASME Y14.5	eng	Liu Jenson	2014/04/22			ecn no	ELX-DG-17541-1	rel level	Released		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Jon Qin	2014/04/25							product family	HPCE
surface	ASME Y14.5	appr	Collins Lu	2014/04/25							HPCE	rel level
linear	0.X ±0.3			<b>VERTICAL HEADER (36HP-24S)</b>		dwg no	10120942		rev	D		
angular	0° ±2°	www.fci.com		cat. no.		Product - Customer Drw		sheet 1 of 4				

TABLE 1 (HPCE / SOLDER TAILS)  
PLATED THROUGH-HOLE REQUIREMENTS

CONTACT TYPE	TOP LAYER DESCRIPTION	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
	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



DETAIL K  
SCALE 6:1



RECOMMENDED PCB LAYOUT  
VIEW FROM CONNECTOR SIDE

SCALE 2:1

SEE TABLE 1, NOTE 9 (24X)  
0.10(M)

spec ref	-	dr	S Jaganathan	2012/06/25	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			
surface	linear	appr	Collins Lu	2014/04/25			product family	HPCE			
ASME Y14.5	angular			title VERTICAL HEADER (36HP-24S) HPCE CTB VERT - HEADER	dwg no 10120942	rev D	Product - Customer Drw		sheet 2 of 4		

PRODUCT PART NUMBER

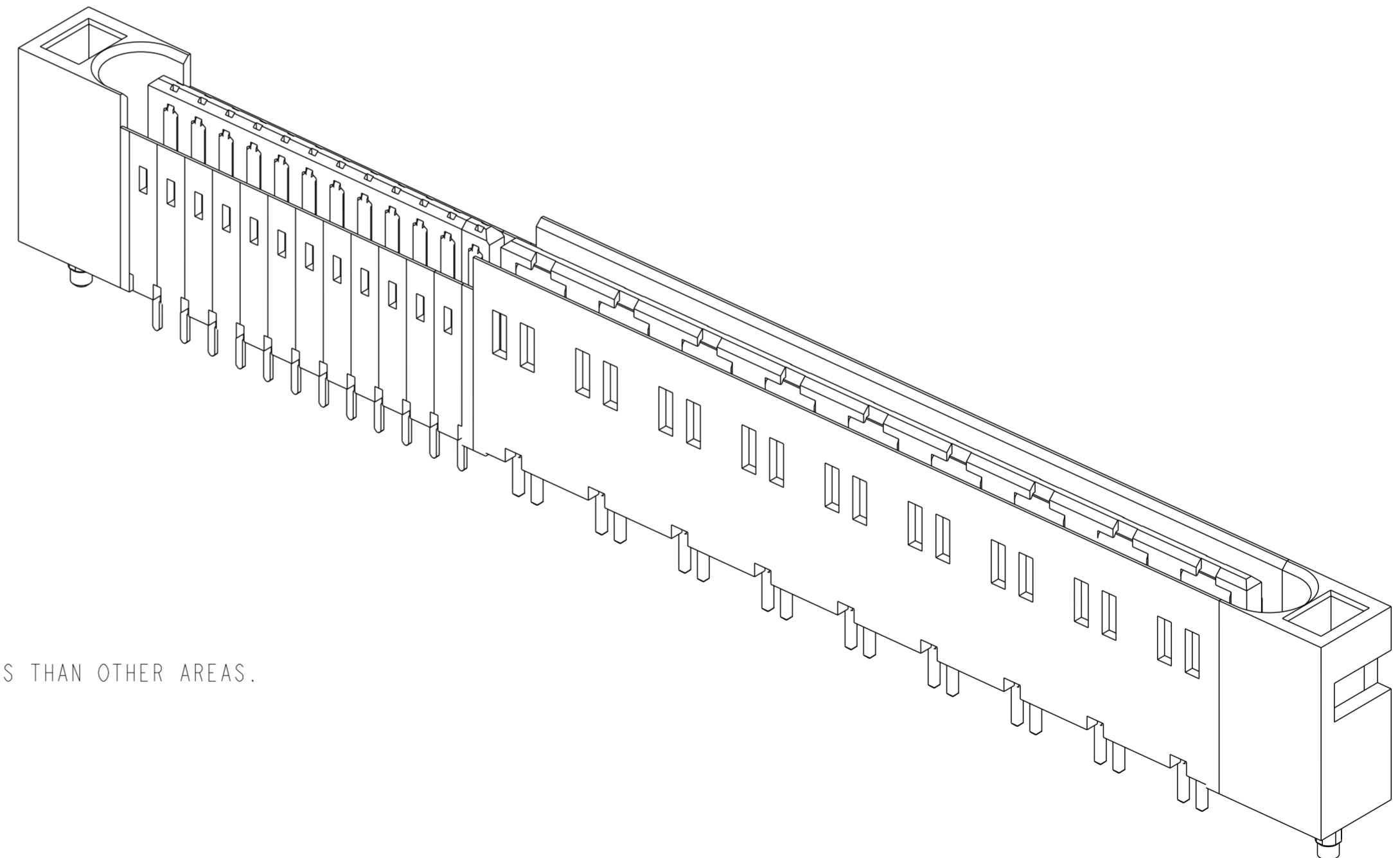
10120942-□□□□LF

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 POSITION  
 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:

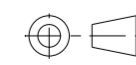
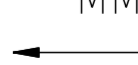

1. CONNECTOR MATERIALS:  
 HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK UL 94V-0 COMPLIANT  
 CONTACTS: HIGH PERFORMANCE COPPER ALLOY.
2. CONTACT FINISH REF. GS-12-1031 SECTION 5.2
3. PRODUCT SPECIFICATION: GS-12-1031
4. APPLICATION SPECIFICATION: GS-20-0369
5. PRODUCT MARKING (FCI PART NUMBER & 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  
 $\varnothing 2.25 \pm 0.05$  FOR SOLDER TAILS

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TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Jon Qin	2014/04/25			rel level	Released			
surface	✓	appr	Collins Lu	2014/04/25			product family	HPCE			
ASME Y14.5	linear	0.X	±0.3		title VERTICAL HEADER (36HP-24S) HPCE CTB VERT - HEADER	dwg no 10120942	rev D	Product - Customer Drw			
	angular	0°	±2°					sheet 3 of 4			
								www.fci.com			

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

	ROW#	S#	DIM "B"±0.25	DIM "A"±0.25
SIGNAL CONTACT	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	

	ROW#	P#	DIM "C"±0.25	DIM "A"±0.25
POWER CONTACT	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	S Jaganathan	2012/06/25	projection	MM	size	A2	scale	3:1										
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TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Jon Qin	2014/04/25				product family	HPCE	rel level	Released									
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±0.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±0.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±0.050</td> </tr> </table>	linear	0.X	±0.3								0.XX	±0.10		0.XXX	±0.050	apppr	Collins Lu	2014/04/25	
linear	0.X	±0.3																		
	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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