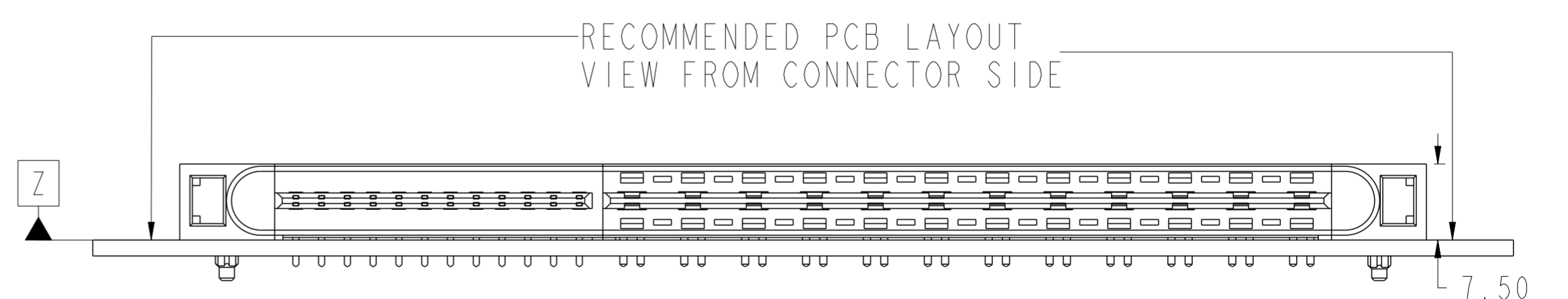
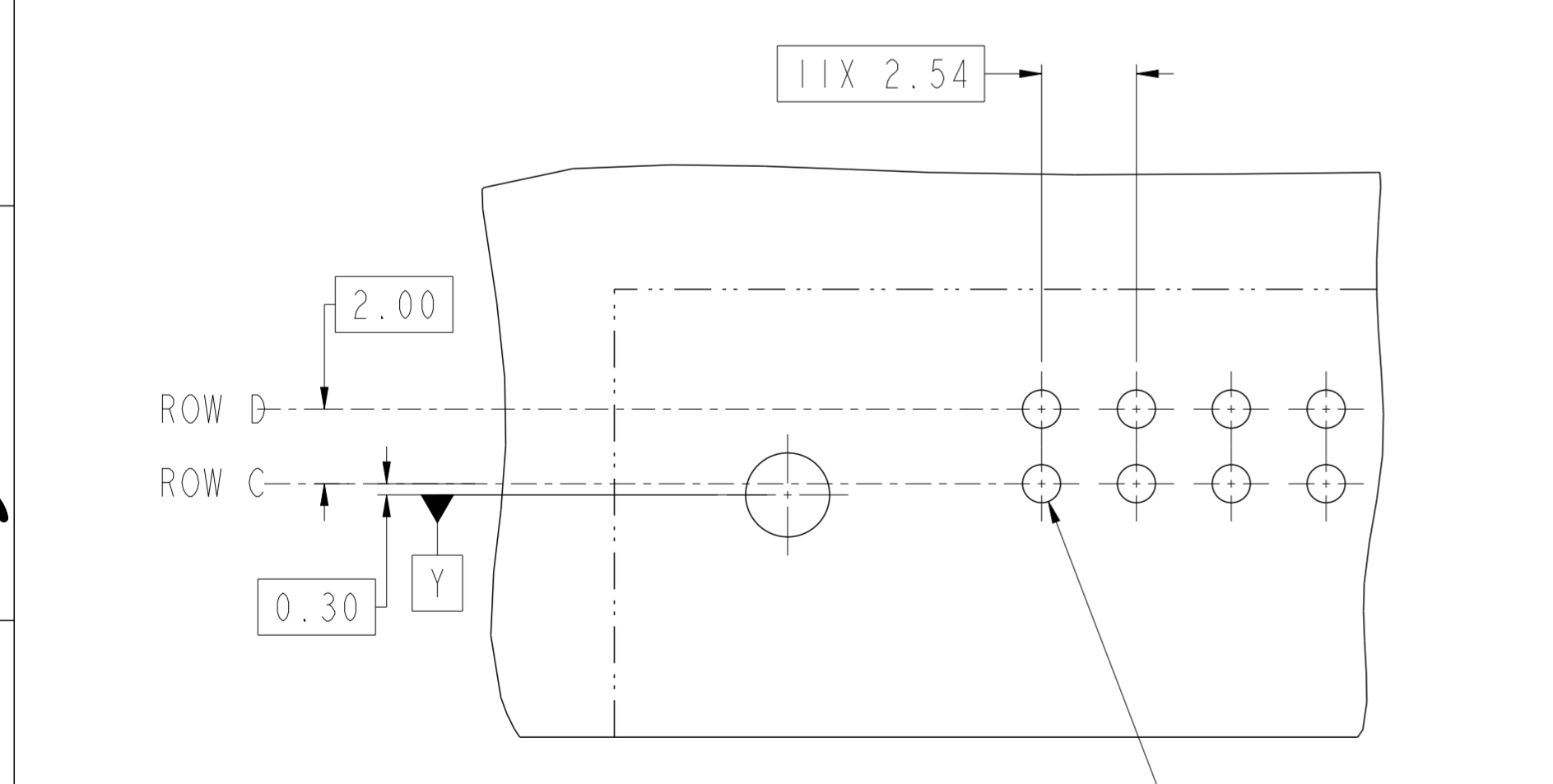
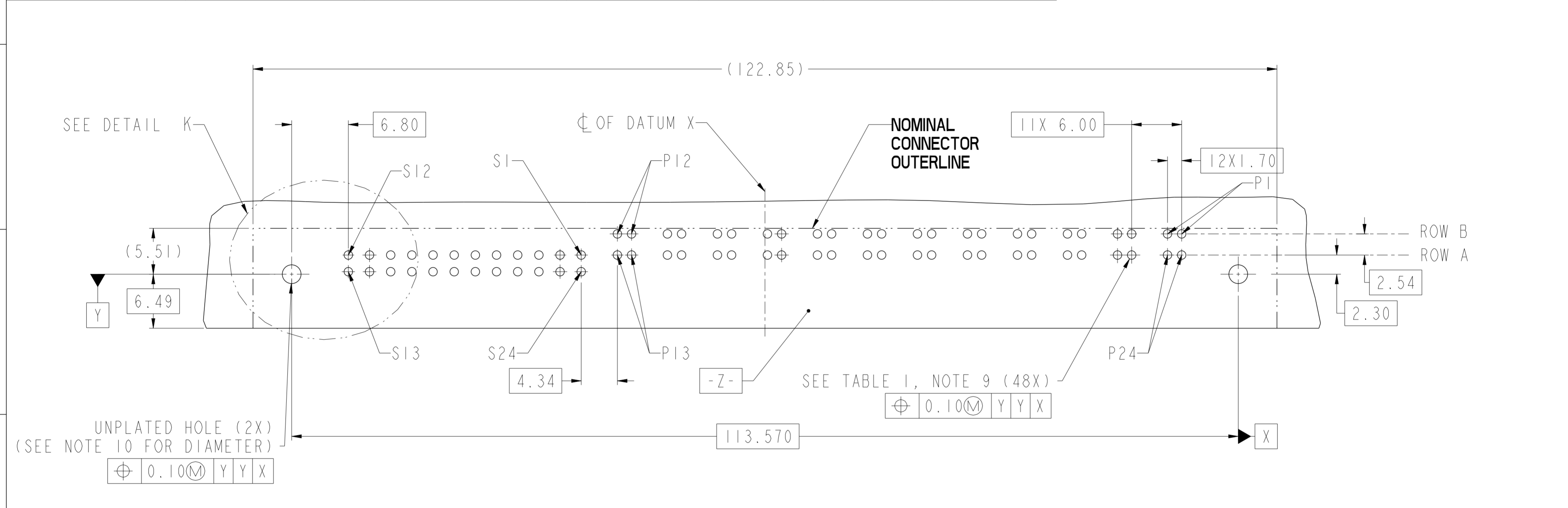


TABLE 1 (HPCE / SOLDER TAILS)
PLATED THROUGH-HOLE REQUIREMENTS

CONTACT TYPE	TOP LAYER DESCRIPTION	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
		TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015	--
POWER & SIGNAL	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



spec ref	-	dr	Chris Gieski	2012/03/12	projection	MM	size	A2	scale	3:1	
tolerance std	ASME Y14.5	eng	Liu Jenson	2014/04/24	chr	Jon Qin	2014/04/25	ecn no	ELX-DG-17541-1	rel level	Released
surface	✓	appr	Collins Lu	2014/04/25	product family	HPCE	cat. no.	10119538	rev	B	
ASME Y14.5	linear	0.X	±0.3	0.XX	±0.10	0.XXX	±0.050	angular	0°	±2°	

Product - Customer Draw sheet 2 of 4

PRODUCT PART NUMBER

10119538-□□□□ 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

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)

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

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.

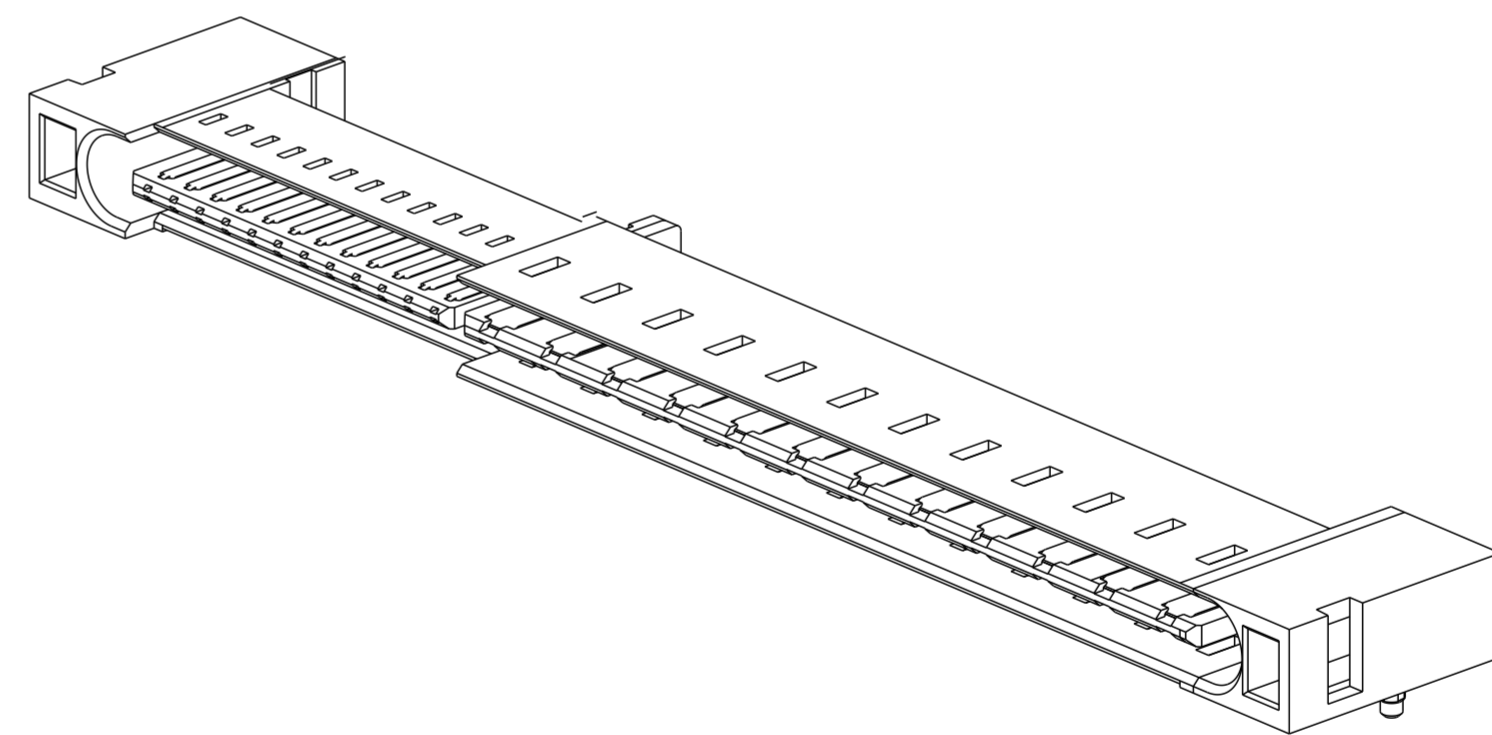
6. PACKAGING MEETS FCI SPECIFICATION GS-14-2272. 

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.

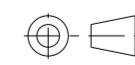
9. ALL HOLE SIZES ARE FINISHED HOLE SIZES.

10. MOUNTING HOLES ARE UNPLATED
 Ø 2.25±0.05 FOR SOLDER TAILS



SCALE 2:1

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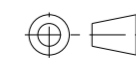
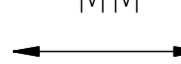

spec ref	-	dr	Chris Gieski	2012/03/12	projection	MM	size	A2	scale	3:1
tolerance std	ASME Y14.5	eng	Liu Jenson	2014/04/24		←	ecn no	ELX-DG-17541-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Jon Qin	2014/04/25						
		appr	Collins Lu	2014/04/25						
surface	✓	product family	HPCE		title	R/A HEADER (24LP - 24S) ASM		dwg no	10119538	
ASME Y14.5	linear	0.X	±0.3	0.XX	±0.10	0.XXX	±0.050	www.fci.com	cat. no.	-
	angular	0°	±2°	Product - Customer Drw		sheet 3 of 4	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	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	
ROW D	S3	S3	S3	S3	S3	S3	S3	S3	S3	S3	S3	S3	S3	P3	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	2.60
		S2		7.46	2.60
		S5		8.73	3.25
		S6		7.46	3.25
	ROW D	S3		8.73	2.60
		S4		7.46	2.60
		S7		8.73	3.25
S8			7.46	3.25	

POWER CONTACT	ROW#	P#	DIM "C"±0.25	DIM "A"±0.25	
	ROW A	P1		8.86	2.60
		P2		7.59	2.60
		P5		8.86	3.25
		P6		7.59	3.25
	ROW B	P3		8.86	2.60
		P4		7.59	2.60
		P7		8.86	3.25
P8			7.59	3.25	

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spec ref	-	dr	Chris Gieski	2012/03/12	projection	MM	size	A2	scale	3:1										
tolerance std	ASME Y14.5	eng	Liu Jenson	2014/04/24			ecn no	ELX-DG-17541-1	rel level	Released										
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Jon Qin	2014/04/25																
		appr	Collins Lu	2014/04/25																
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> <tr> <td>angular</td> <td>0°</td> <td>±2°</td> </tr> </table>	linear	0.X	±0.3		0.XX	±0.10		0.XXX	±0.050	angular	0°	±2°			title R/A HEADER (24LP - 24S) ASME HPCE/HP2 R/A-HEADER		10119538	rev	B
linear	0.X	±0.3																		
	0.XX	±0.10																		
	0.XXX	±0.050																		
angular	0°	±2°																		
ASME Y14.5		www.fci.com		cat. no.	Product - Customer Drw		sheet 4 of 4													