

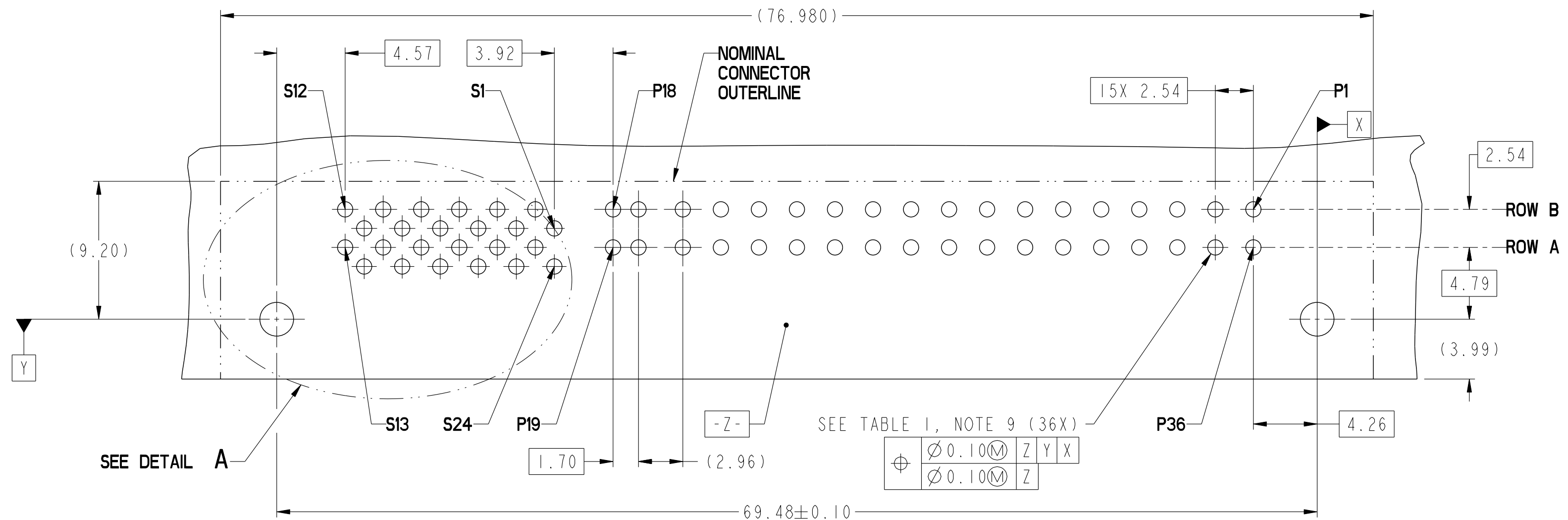
spec ref	-	dr	Daniel Xiao	2013-08-02	projection	MM	size	A2	scale	4:1
tolerance std	ASME Y14.5	eng	Daniel Xiao	2013-08-02		MM	ecn no	rel level	In Work	rev
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Daniel Xiao	2013-08-02						
surface	ASME Y14.5	appr			product family	HPCE	rel level	In Work	rev	2
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05			title R/A HEADER 36P-24S WITH GUIDE (HP2/BTB)		dwg no 10119040	Product - Customer Drw		sheet 1 of 4	
angular	0° ±2°	www.fci.com		cat. no.	Product - Customer Drw		sheet 1 of 4			

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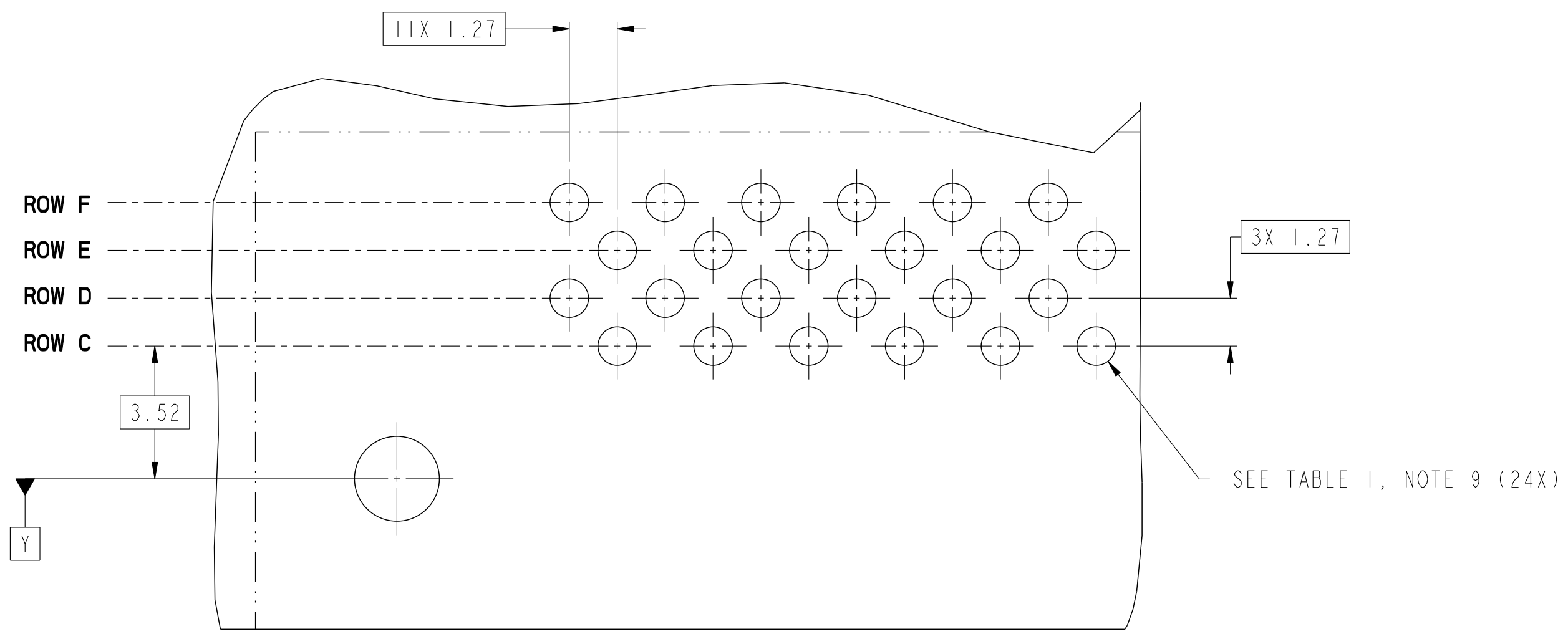
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TABLE I (HPCE / SOLDER TAILS)
PLATED THROUGH-HOLE REQUIREMENTS

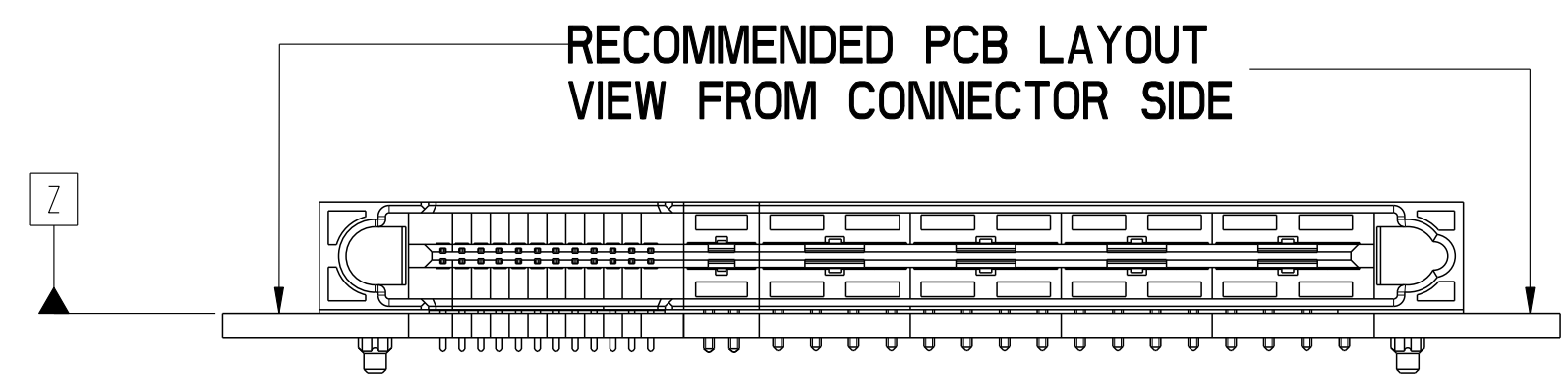
CONTACT TYPE	TOP LAYER DESCRIPTION	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
		POWER & SIGNAL	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015
	IMMERSION TIN	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.94 - 1.10
	COPPER (SEE NOTE 8)	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	--	0.94 - 1.10



⊕	∅0.10(M)	Z	Y	X
	∅0.10(M)	Z		



DETAIL A
SCALE 8:1



SCALE 2:1

spec ref	-	dr	Daniel Xiao	2013-08-02	projection	MM	size	A2	scale	4:1										
tolerance std	ASME Y14.5	eng	Daniel Xiao	2013-08-02			ecn no	rel level	In Work	rev										
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Daniel Xiao	2013-08-02																
		appr																		
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>±0.05</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	±0.05	angular	0°	±2°	Amphenol FCI R/A HEADER 36P-24S WITH GUIDE (HP2/BTB)		product family HPCE	title R/A HEADER 36P-24S WITH GUIDE (HP2/BTB)	dwg no 10119040	rel level In Work	rev 2
linear	0.X	±0.3																		
	0.XX	±0.10																		
	0.XXX	±0.05																		
angular	0°	±2°																		
ASME Y14.5		www.fci.com	cat. no.		Product - Customer Drw	sheet 2 of 4														

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PRODUCT PART NUMBER

10119040-□□□□LF

BASE NUMBER

CONTACT AREA PLATING
 UNDERPLATED 50u'' MIN. NICKEL
 1: 30u'' MIN. GXT
 2: 100u'' MIN. Ag

FIRST MATE LAST BREAK OIN POSITION
 000: ALL PINS ARE LONG PINS, SEE TABLE 2,3,4,5,6

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)

000 (TABLE 2)	END MODULE	SIGNAL CONTACT								POWER CONTACT (2 BEAM)	POWER CONTACT (4 BEAM)					END MODULE
		7~12	6	5	4	3	2	1	1	4	3	2	1	ROW A		
		SEE TABLE 3	N/A	S1	N/A	S1	N/A	S1		P1	P1	P1	P1	P1	ROW A	
	ROW C		S2	N/A	S2	N/A	S2	N/A	S2		P3	P3	P3	P3	P3	ROW B
	ROW D		N/A	S3	N/A	S3	N/A	S3								
	ROW E		S4	N/A	S4	N/A	S4	N/A	S4							

000 (TABLE 3)	END MODULE	SIGNAL CONTACT						
		12	11	10	9	8	7	
	ROW C	N/A	S1	N/A	S1	N/A	S1	
	ROW D	S2	N/A	S2	N/A	S2	N/A	
	ROW E	N/A	S3	N/A	S3	N/A	S3	
	ROW F	S4	N/A	S4	N/A	S4	N/A	

POWER CONTACT QUAD BEAM (TABLE 5)	ROW#	P#	DIM "B"±0.25	DIM "A"±0.25
	A	P1		9.01
P2			7.74	2.60
P5			9.01	3.25
P6			7.74	3.25
B	P3		9.01	2.60
	P4		7.74	2.60
	P7		9.01	3.25
	P8		7.74	3.25

SIGNAL CONTACT (TABLE 4)	ROW#	S#	DIM "C"±0.25	DIM "A"±0.25
	C	S1		9.08
S5			7.81	2.60
S9			9.08	3.25
S13			7.81	3.25
D	S2		9.08	2.60
	S6		7.81	2.60
	S10		9.08	3.25
	S14		7.81	3.25
E	S3		9.08	2.60
	S7		7.81	2.60
	S11		9.08	3.25
	S15		7.81	3.25
F	S4		9.08	2.60
	S8		7.81	2.60
	S12		9.08	3.25
	S16		7.81	3.25

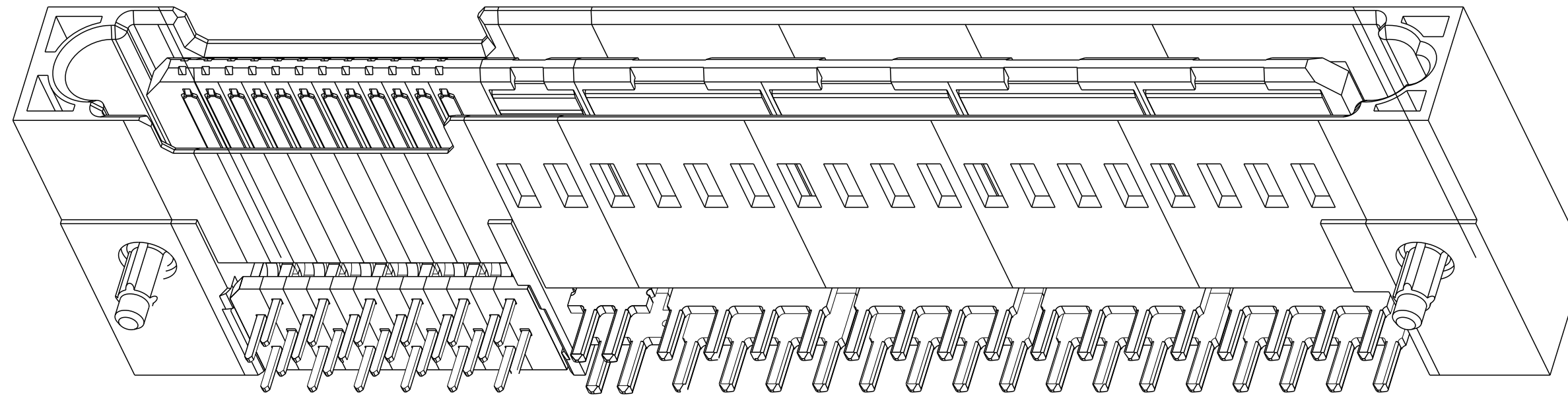
POWER CONTACT DUAL BEAM (TABLE 6)	ROW#	P#	DIM "B"±0.25	DIM "A"±0.25
	A	P1		9.01
P2			7.74	2.60
P5			9.01	3.25
P6			7.74	3.25
B	P3		9.01	2.60
	P4		7.74	2.60
	P7		9.01	3.25
	P8		7.74	3.25

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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>±0.05</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	±0.05	angular	0°	±2°		R/A HEADER 36P-24S WITH GUIDE (HP2/BTB)		cat. no.	Product - Customer Drw	sheet 3 of 4
linear	0.X	±0.3																	
	0.XX	±0.10																	
	0.XXX	±0.05																	
angular	0°	±2°																	

A

B

C



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 TBD

3. PRODUCT SPECIFICATION: GS-12-1031

4. APPLICATION SPECIFICATION: GS-20-0338

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

6. PACKAGING MEETS FCI SPECIFICATION GS-14-937.

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 2.20±0.05 FOR SOLDER TAILS

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TOLERANCES UNLESS OTHERWISE SPECIFIED		-		chr	Daniel Xiao	2013-08-02			rel level In Work			
surface			linear	0.X	±0.3	product family		HPCE		cat. no		
ASME Y14.5			angular	0°	±2°	www.fci.com		R/A HEADER 36P-24S WITH GUIDE (HP2/BTB)		10119040		rev
								Product - Customer Drw		sheet 4 of 4		