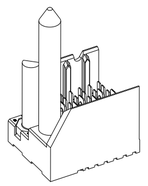
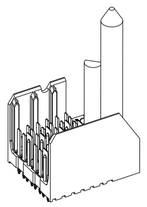
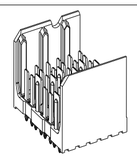
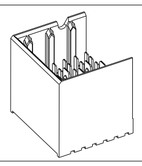
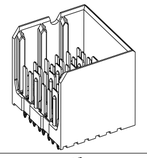
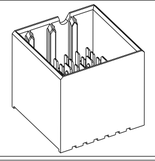
10113947 - X 0 C - X 0 X L F

- 6-COLUMN DIFFERENTIAL SIGNAL
- LEAD-FREE DESIGNATION ONLY WITH APPLICABLE PLATING CODES

LETTER	PERFORMANCE-BASED PLATING (SEE NOTE 2)	
	TARGET APPLICATION	LEAD FREE (LF)
B	TELCORDIA CO	NO
C	TELCORDIA UE	NO
D	TELCORDIA CO	YES
E	TELCORDIA UE	YES

NUMBER	PIN STYLE, HEIGHT
0	STANDARD GUIDE PIN MACHINED, 25.7mm

MODULE DESCRIPTION	LETTER DESIGNATION REPRESENTED IN DASH NUMBER									BASE MODULE
LEFT POLARIZING GUIDANCE MODULE (SEE SHEET 3)	J	A	B	C	D	E	F	G	H	
RIGHT POLARIZING GUIDANCE MODULE (SEE SHEET 4)	Y	P	Q	R	S	T	U	V	W	
OPEN MODULE (TWO WALL) (SEE SHEET 2)	0 (ZERO)									
LEFT WALL MODULE (SEE SHEET 5)	L									
RIGHT WALL MODULE (SEE SHEET 6)	M									
FOUR WALL MODULE (SEE SHEET 7)	1									

NUMBER	CONTACT MATING WIPE LENGTH		COMPLIANT PIN DRILL SIZE
	SIGNAL	WIDE GROUND	
1	2	4	∅0.55 [0.0217"]
2	3	4	∅0.55 [0.0217"]
3	2	4	∅0.45 [0.0177"]
4	3	4	∅0.45 [0.0177"]
5	2	3	∅0.55 [0.0217"]
6	3	3	∅0.55 [0.0217"]
7	2	3	∅0.45 [0.0177"]
8	3	3	∅0.45 [0.0177"]

TABLE 1: OPTIONAL PCB HOLE SIZE (SEE NOTE 11)

	GROUNDED	UNGROUNDED
FINISHED	∅2.35-2.55	∅2.35-2.55
PAD	∅5.50	N/A
PLATED	YES	NO
DRILL (mm/in)	2.58 /.1015	2.44 /.096

TABLE 2: OPTIONAL SCREW TYPE (SEE NOTE 10)

SCREW P/N	DESCRIPTION	BOARD THICKNESS
10091790-002LF	#2-56 X .375" PHILLIPS PANHEAD W/SQ CONICAL WASHER	1.60 - 5.00
10091790-003LF	#2-56 X .500" PHILLIPS PANHEAD W/SQ CONICAL WASHER	5.00 - 10.00

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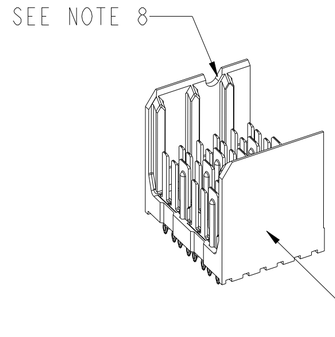
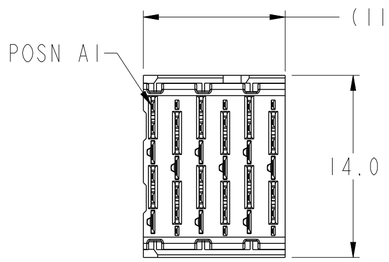
spec ref	SEE NOTES	dr	Kok-Hoe Lee	2010/06/28	projection	MM	size A2 / scale 3:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Michael Song	2016/06/03			
		chr	Heaven Cen	2016/06/08			ecn no ELX-DG-24191-1
		appr	Pei-Ming Zheng	2016/06/15	product family -		rel level Released
surface - ASME Y14.5	linear 0.X ±0.2; 0.XX ±0.10; 0.XXX ±0.050	Amphenol FCi	title: MODULE ASSEMBLY, VERTICAL HEADER, 6-COLUMN, 2-PAIR		dwg no 10113947		rev G
	angular 0° ±-°		cat. no. SEE P/N TREE	Product - Customer Drw			sheet 1 of 8

OPEN (2-WALL) MODULE





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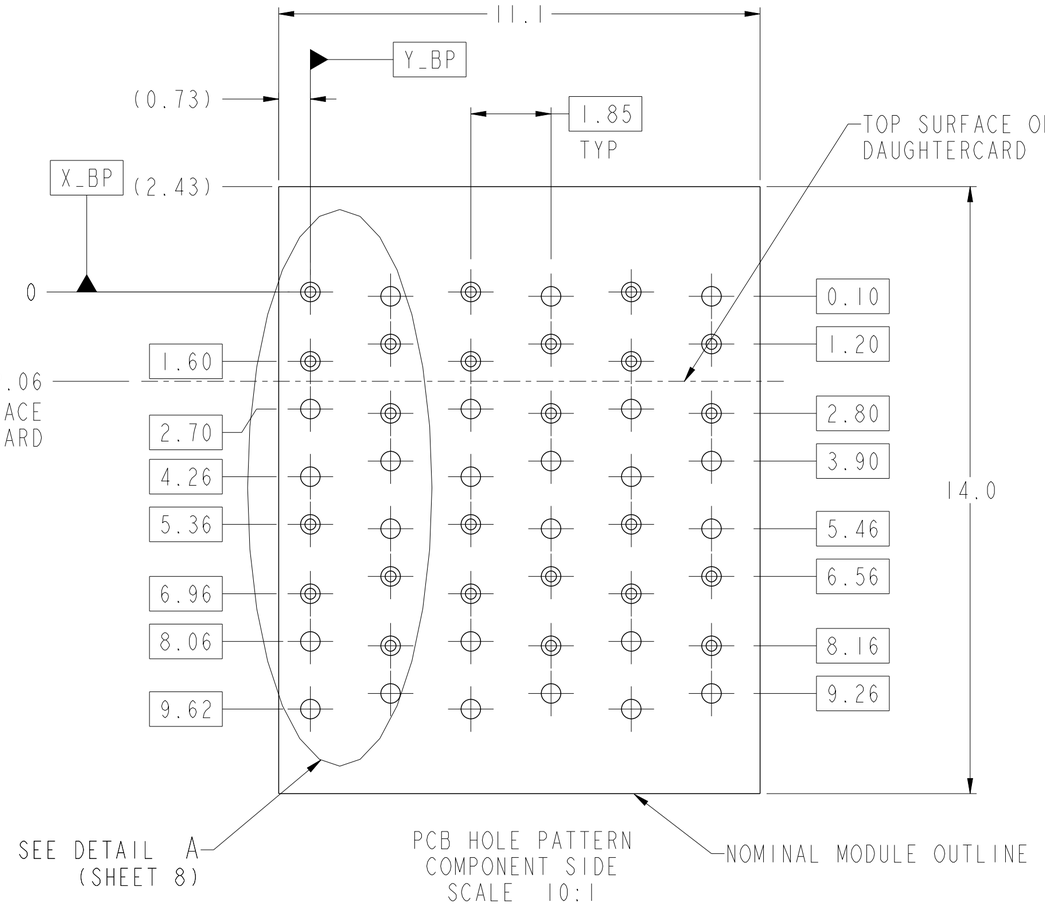
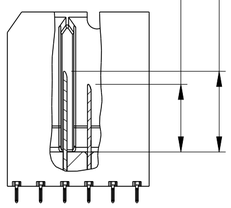


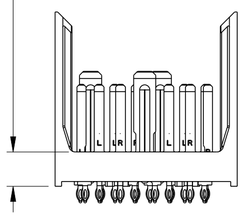
6.2 (4MM WIPE WIDE GROUNDS)
5.2 (3MM WIPE WIDE GROUNDS)

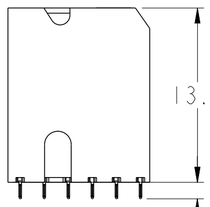
5.2 (3MM SMALL END GROUNDS)
5.2 (3MM WIPE SIGNALS)
4.2 (2MM WIPE SIGNALS)

(SEE P/N TREE FOR
ALL COMBINATIONS AVAILABLE)



2.64±0.10 FROM STANDOFF
SURFACE TO MATING SURFACE





spec ref	SEE NOTES			dr	Kok-Hoe Lee	2010/06/28	projection	MM	size A2 / scale 3:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2016/06/03			ecn no ELX-DG-24191-1
				chr	Heaven Cen	2016/06/08			
				appr	Pei-Ming Zheng	2016/06/15	product family -		rel level Released
surface - ASME Y14.5	linear	0.X	±0.2	Amphenol FCi	title: MODULE ASSEMBLY VERTICAL HEADER, 6-COLUMN, 2-PAIR		dwg no 10113947		rev G
		0.XX	±0.10						
		0.XXX	±0.050						
	angular	0°	±-°		cat. no. SEE P/N TREE	Product - Customer Drw			sheet 2 of 8

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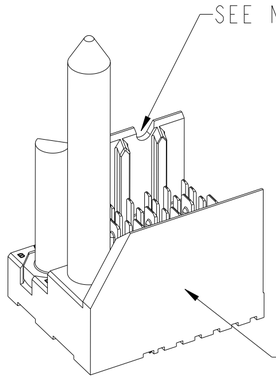
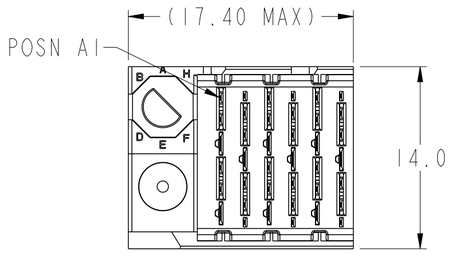
LEFT POLARIZING/GUIDE MODULE





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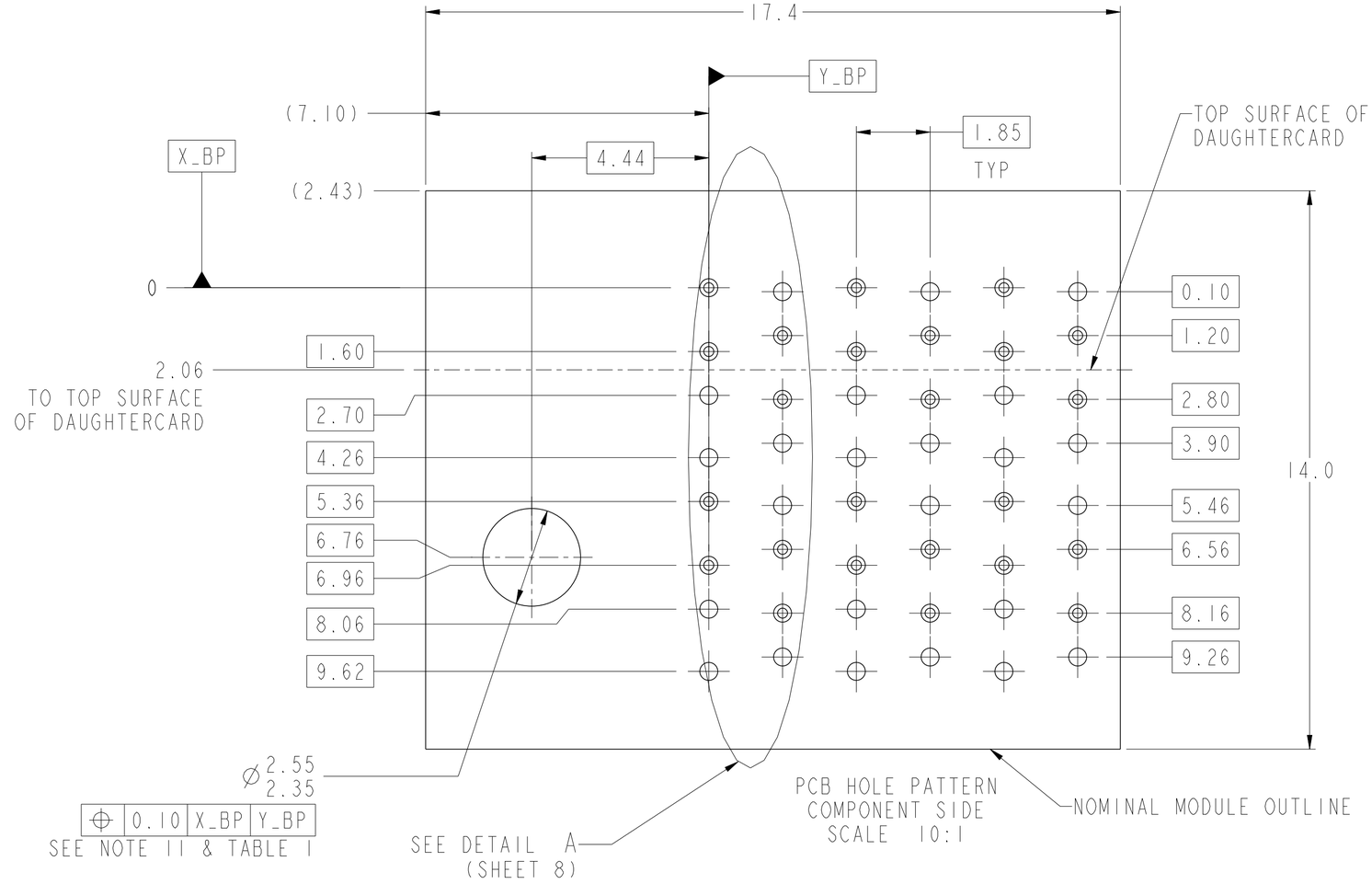

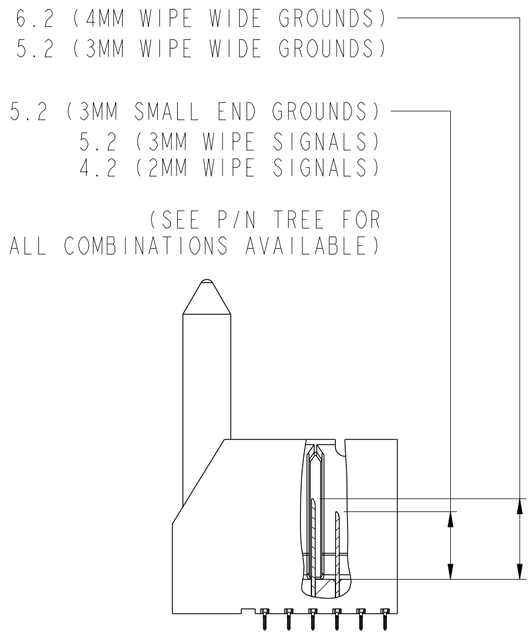

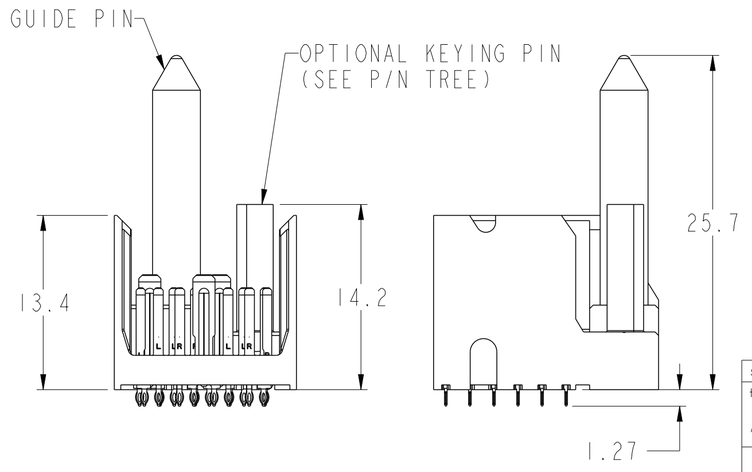

spec ref	SEE NOTES			dr	Kok-Hoe Lee	2010/06/28	projection	MM	size A2 / scale 3:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2016/06/03			ecn no ELX-DG-24191-1
				chr	Heaven Cen	2016/06/08			
				appr	Pei-Ming Zheng	2016/06/15	product family -		rel level Released
surface - ASME Y14.5	linear	0.X	±0.2	Amphenol FCi	title	MODULE ASSEMBLY	dwg no 10113947		rev G
		0.XX	±0.10			VERTICAL HEADER, 6-COLUMN, 2-PAIR			
		0.XXX	±0.050						
	angular	0°	±-°			cat. no. SEE P/N TREE	Product - Customer Drw		sheet 3 of 8

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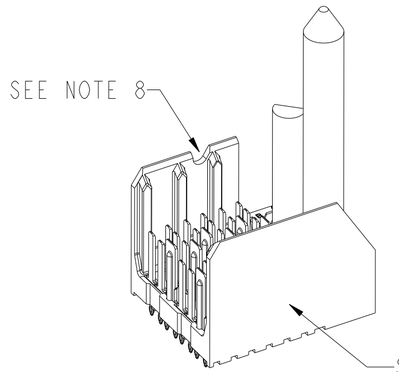
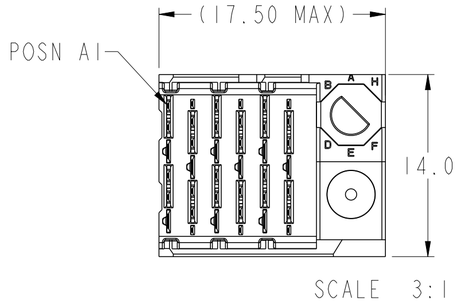
RIGHT POLARIZING/GUIDE MODULE





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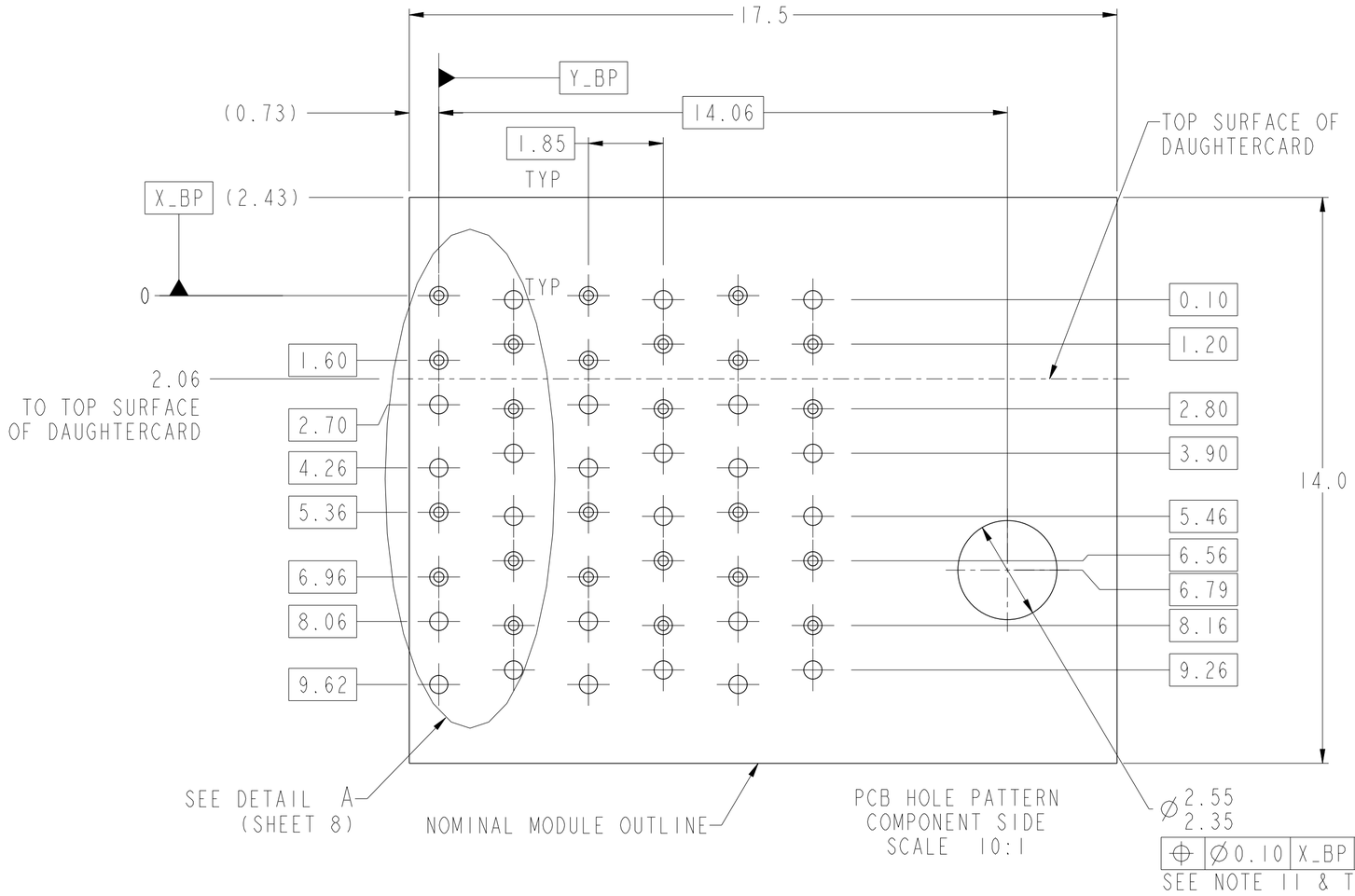

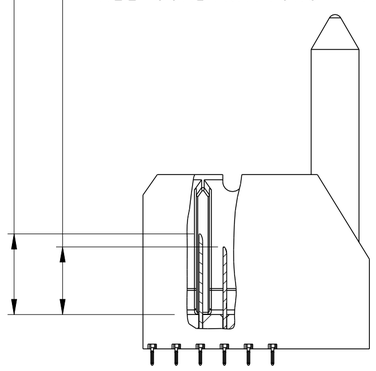

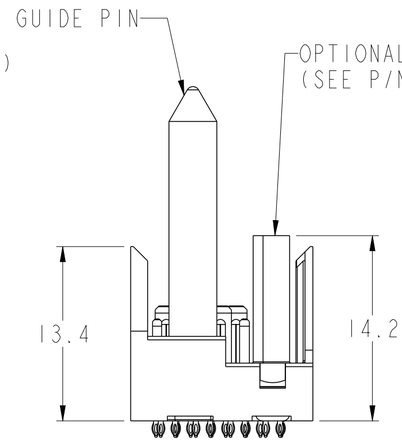

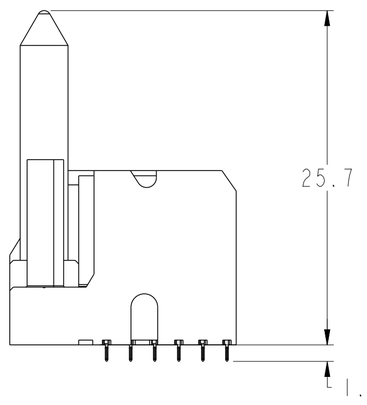

spec ref	SEE NOTES		dr	Kok-Hoe Lee	2010/06/28	projection	MM
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Michael Song	2016/06/03		
			chr	Heaven Cen	2016/06/08	size A2	scale 3:1
			appr	Pei-Ming Zheng	2016/06/15	product family -	ecn no ELX-DG-24191-1
surface - ASME Y14.5	linear	0.X ±0.2	Amphenol FCi	title	MODULE ASSEMBLY	dwg no 10113947	rel level Released
		0.XX ±0.10			VERTICAL HEADER, 6-COLUMN, 2-PAIR		rev G
		0.XXX ±0.050			cat. no. SEE P/N TREE	Product - Customer Drw	sheet 4 of 8
	angular	0° ±-°					

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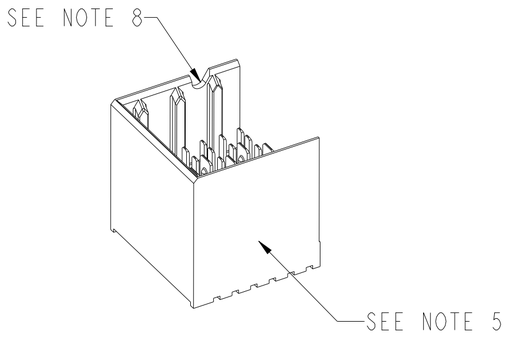
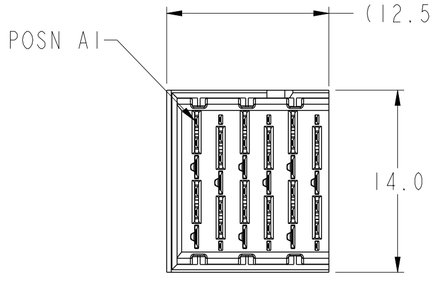
PDS: Rev :G STATUS: Released Printed: Jun 15, 2016

LEFT WALL MODULE





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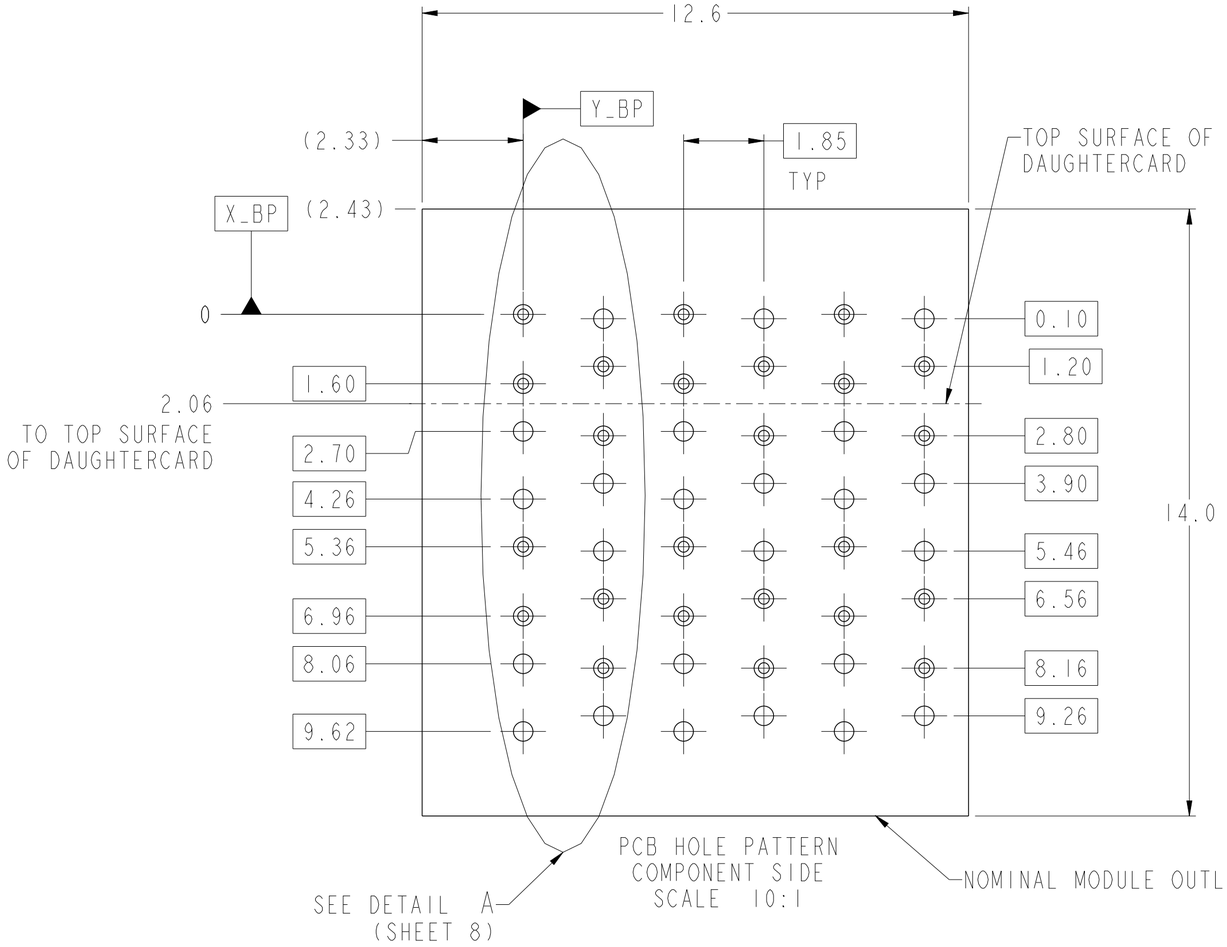

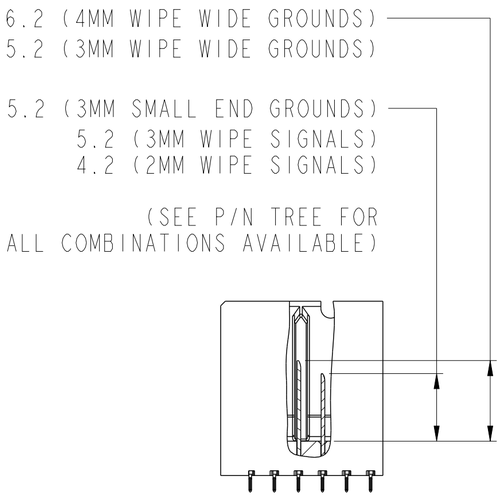

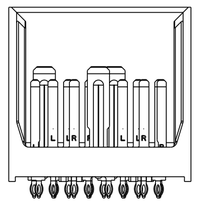

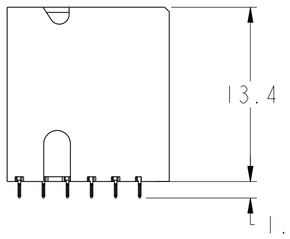

spec ref	SEE NOTES			dr	Kok-Hoe Lee	2010/06/28	projection	MM	size A2 / scale 7:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2016/06/03			
				chr	Heaven Cen	2016/06/08			ecn no ELX-DG-24191-1
				appr	Pei-Ming Zheng	2016/06/15	product family -		rel level Released
surface - ASME Y14.5	linear	0.X	±0.2	Amphenol FCi	title: MODULE ASSEMBLY VERTICAL HEADER, 6-COLUMN, 2-PAIR		dwg no 10113947		rev G
		0.XX	±0.10						
		0.XXX	±0.050						
	angular	0°	±-°		cat. no. SEE P/N TREE	Product - Customer Drw			sheet 5 of 8

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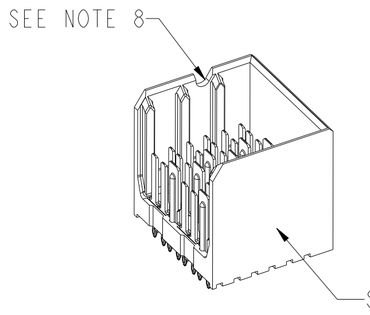
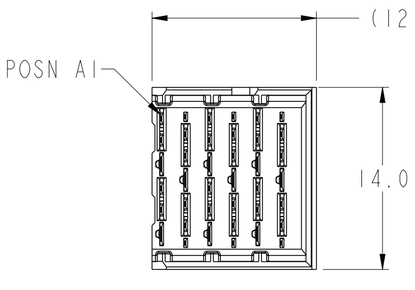
RIGHT WALL MODULE





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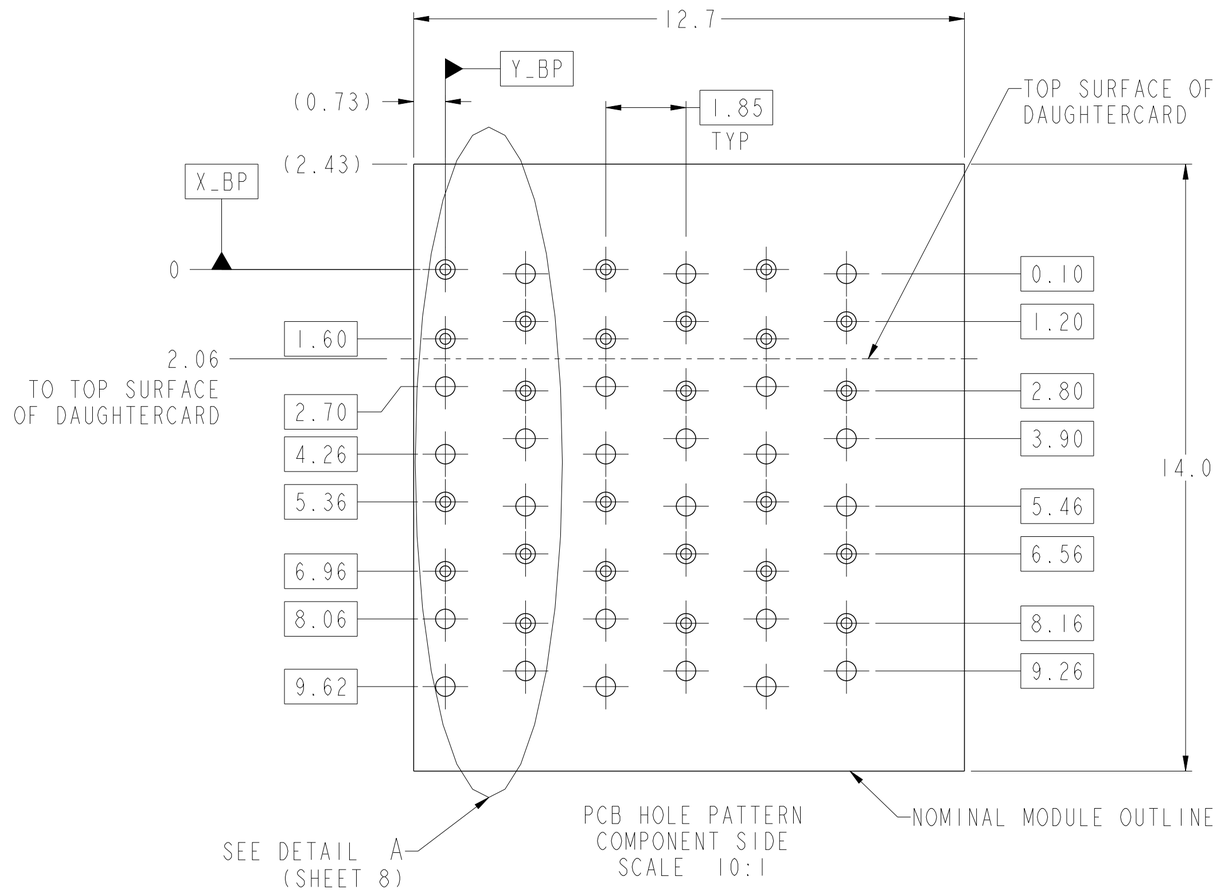

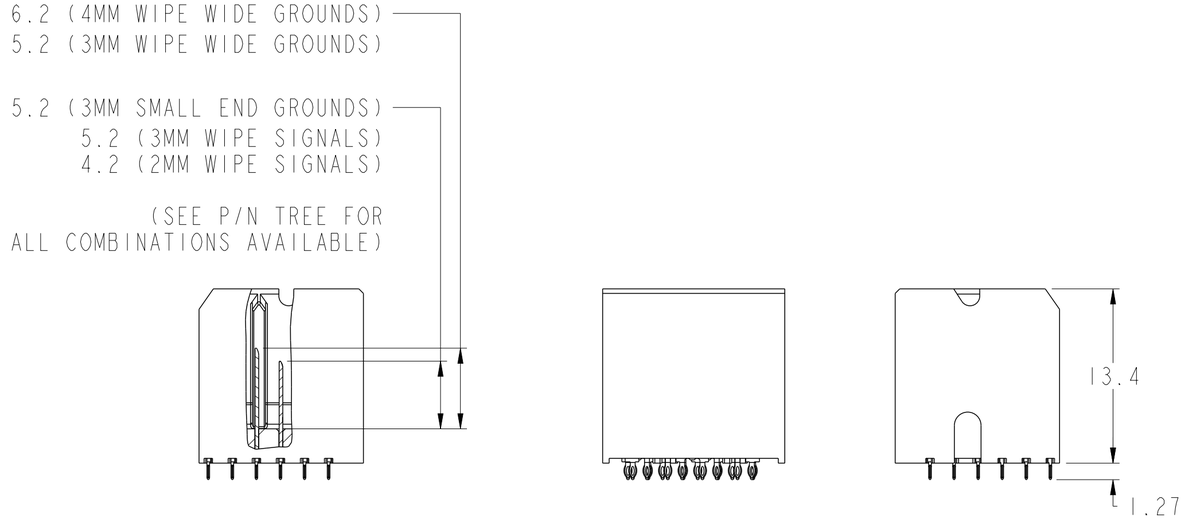

spec ref	SEE NOTES			dr	Kok-Hoe Lee	2010/06/28	projection	MM	size A2 / scale 7:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2016/06/03			ecn no ELX-DG-24191-1
				chr	Heaven Cen	2016/06/08			
				appr	Pei-Ming Zheng	2016/06/15	product family -		rel level Released
surface - ASME Y14.5	linear	0.X	±0.2	Amphenol FCi	title: MODULE ASSEMBLY VERTICAL HEADER, 6-COLUMN, 2-PAIR		dwg no 10113947		rev G
		0.XX	±0.10						
		0.XXX	±0.050						
	angular	0°	±-°		cat. no. SEE P/N TREE		Product - Customer Drw		sheet 6 of 8

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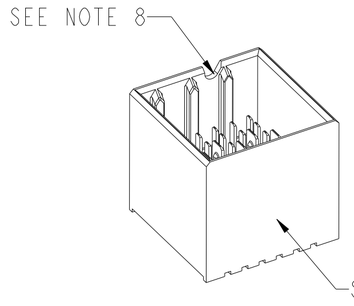
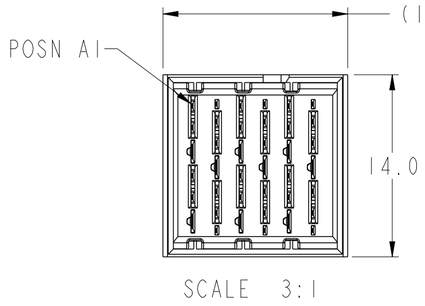
FOUR WALL MODULE





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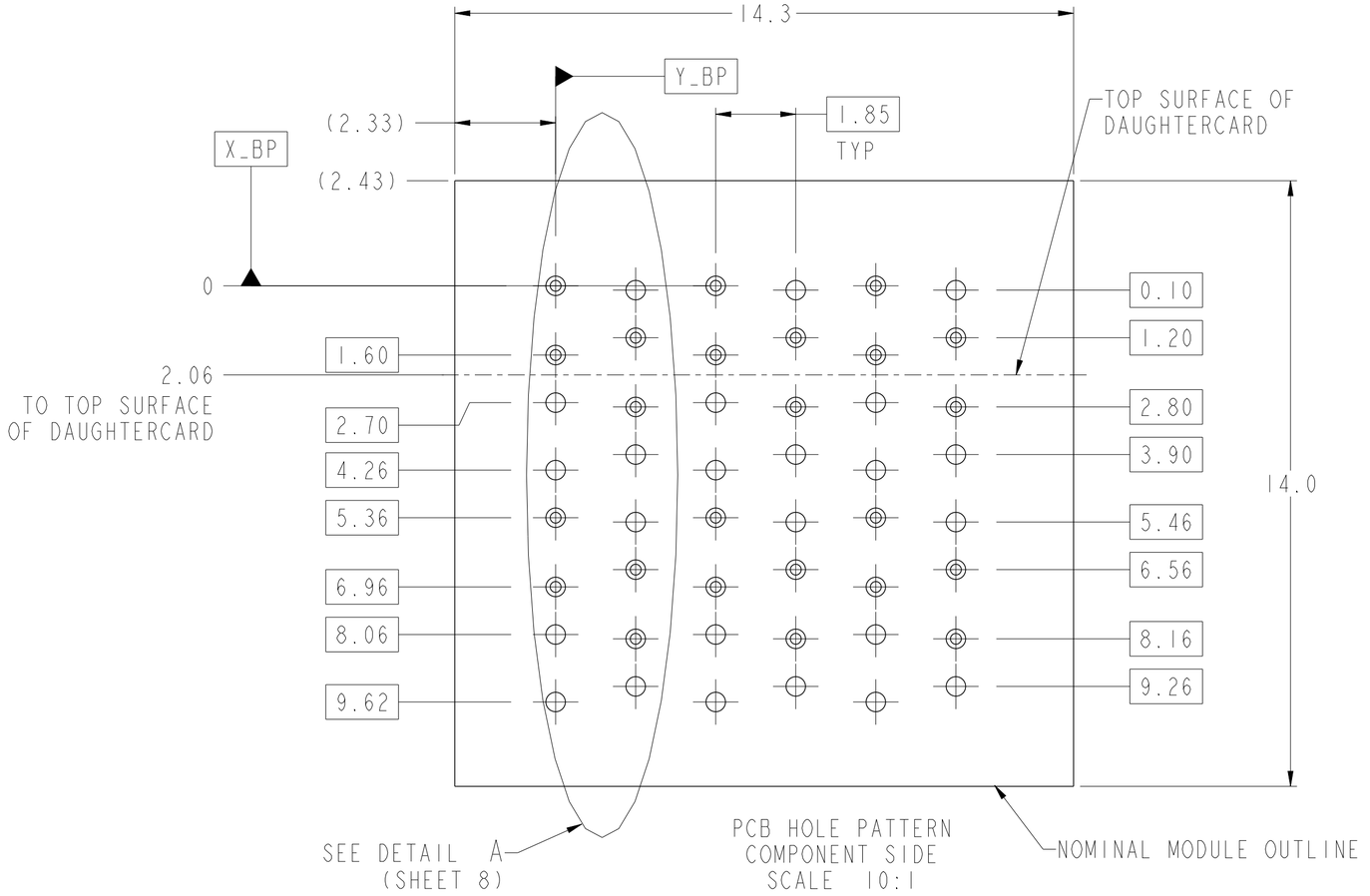

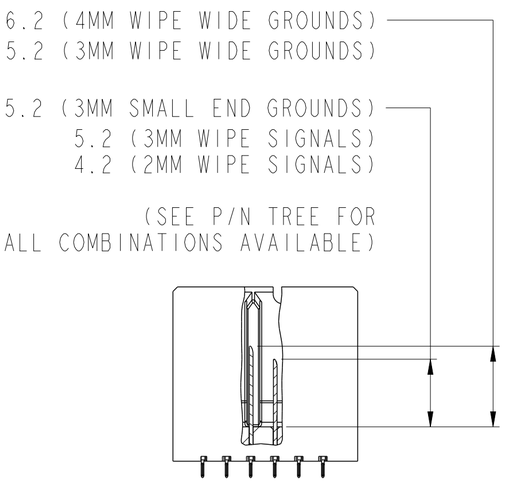

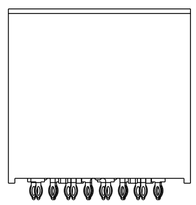

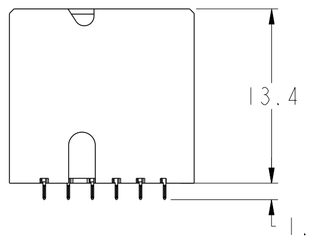

spec ref	SEE NOTES			dr	Kok-Hoe Lee	2010/06/28	projection	MM	size A2	scale 6:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2016/06/03				
				chr	Heaven Cen	2016/06/08			ecn no	ELX-DG-24191-1
				appr	Pei-Ming Zheng	2016/06/15	product family	-	rel level	Released
surface - ASME Y14.5	linear	0.X	±0.2	Amphenol FCi	title	MODULE ASSEMBLY	dwg no	10113947	rev	G
		0.XX	±0.10			VERTICAL HEADER, 6-COLUMN, 2-PAIR				
		0.XXX	±0.050							
	angular	0°	±-°			cat. no. SEE P/N TREE	Product - Customer Drw		sheet 7 of 8	

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Creo File - REV E - 2016-02-12

PDS: Rev :G | STATUS: Released | Printed: Jun 15, 2016

TABLE 3: PTH AND PAD SIZES WITH REFERENCE TO COMPLIANT PIN DRILL		
COMPLIANT PIN DRILL	PTH	PAD
∅0.55 [0.0217"]	∅0.45±0.05	∅0.85
∅0.45 [0.0177"]	∅0.36±0.05	∅0.75

NOTES:

1. CONNECTOR MATERIALS
   SHROUD: HIGH-TEMP THERMOPLASTIC, GRAY, UL94V-0
   CONTACTS: HIGH PERFORMANCE COPPER ALLOY

2. CONTACT PLATING:

   SEPARABLE INTERFACE: PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-588, INCLUDING TELCORDIA GR-1217-CORE (NOVEMBER 1995) CENTRAL OFFICE TEST (CO) OR UNCONTROLLED ENVIRONMENT TEST SEQUENCE AS NOTED IN P/N TREE.

   PRESS-FIT TAILS: TIN OVER NICKEL, OR TIN-LEAD ALLOY OVER NICKEL. SEE P/N TREE.

3. PRODUCT SPECIFICATION: GS-12-588

4. APPLICATION SPECIFICATION: GS-20-121

5. PRODUCT MARKING (PART NUMBER AND LOT CODE) ON THESE SURFACES.

6. HOUSING MUST WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 40 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR-PHASE REFLOW OVEN.

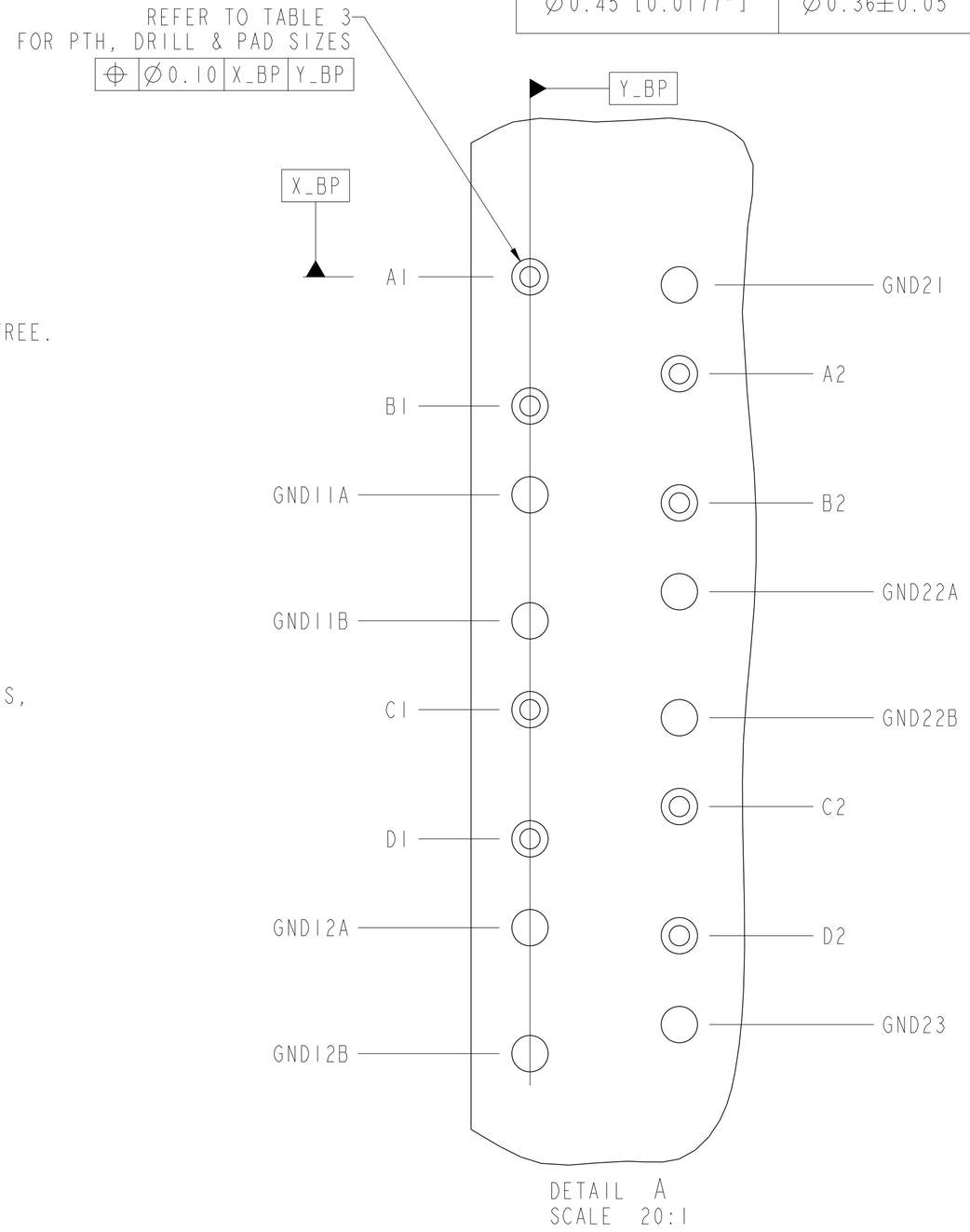
7. PACKAGING MEETS GS-14-920 LEAD-FREE LABELING SPECIFICATION.

8. NOTCH INDICATES "ROW A" SIDE OF CONNECTOR.

9. SEE APPLICATION SPECIFICATION FOR ROUTING GUIDELINES, ADDITIONAL PTH GUIDELINES, MATED DIMENSIONS, GUIDE PN SELECTION, ETC.

10. SCREW IS OPTIONAL AND ENGAGES WITH BOTTOM OF GUIDE-PIN FROM BENEATH THE PCB FOR ADDITIONAL GUIDE-PIN SUPPORT.

11. OPTIONAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE-PIN SUPPORT. SEE TABLE 1 ON SHEET 1 FOR ADDITIONAL DETAILS.



DETAIL A
SCALE 20:1

spec ref	SEE NOTES			dr	Kok-Hoe Lee	2010/06/28	projection	MM	size A2 / scale 3:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2016/06/03			
				chr	Heaven Cen	2016/06/08			ecn no ELX-DG-24191-1
				appr	Pei-Ming Zheng	2016/06/15	product family -		rel level Released
surface - ASME Y14.5	linear	0.X	±0.2	Amphenol FCi	title: MODULE ASSEMBLY, VERTICAL HEADER, 6-COLUMN, 2-PAIR		dwg no 10113947		rev G
		0.XX	±0.10						
		0.XXX	±0.050						
	angular	0°	±-°		cat. no. SEE P/N TREE	Product - Customer Drw			sheet 8 of 8

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10113947-00C-60B 10113947-00C-60DLF 10113947-00C-70B 10113947-00C-70DLF 10113947-00C-80B
10113947-00C-80DLF 10113947-10C-10B 10113947-10C-10DLF 10113947-10C-20B 10113947-10C-20DLF
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10113947-10C-80B 10113947-10C-80DLF 10113947-A0C-10B 10113947-A0C-10DLF 10113947-A0C-20B
10113947-A0C-20DLF 10113947-A0C-30B 10113947-A0C-30DLF 10113947-A0C-40B 10113947-A0C-40DLF
10113947-A0C-50B 10113947-A0C-50DLF 10113947-A0C-60B 10113947-A0C-60DLF 10113947-A0C-70B
10113947-A0C-70DLF 10113947-A0C-80B 10113947-A0C-80DLF 10113947-B0C-10B 10113947-B0C-10DLF
10113947-B0C-20B 10113947-B0C-20DLF 10113947-B0C-30B 10113947-B0C-30DLF 10113947-B0C-40B
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10113947-D0C-30DLF 10113947-D0C-40B 10113947-D0C-40DLF 10113947-D0C-50B 10113947-D0C-50DLF
10113947-D0C-60B 10113947-D0C-60DLF 10113947-D0C-70B 10113947-D0C-70DLF 10113947-D0C-80B
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