

1 0 1 1 3 9 4 9 - X X E - X 0 X L F											
8-COLUMN DIFFERENTIAL SIGNAL LEAD-FREE DESIGNATION ONLY WITH APPLICABLE PLATING CODES 0: GENERAL LABEL E: CUSTOMIZED LABEL											
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										

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

NUMBER	CONTACT MATING WIPE LENGTH		COMPLIANT PIN DRILL SIZE
	SIGNAL	WIDE GROUND	
1	2	4	Ø0.55 [0.0217"]
2	3	4	Ø0.55 [0.0217"]
3	2	4	Ø0.45 [0.0177"]
4	3	4	Ø0.45 [0.0177"]
5	2	3	Ø0.55 [0.0217"]
6	3	3	Ø0.55 [0.0217"]
7	2	3	Ø0.45 [0.0177"]
8	3	3	Ø0.45 [0.0177"]

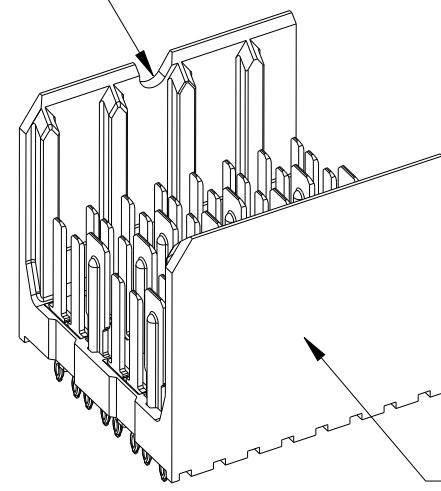
TABLE 1: OPTIONAL PCB HOLE SIZE (SEE NOTE 11)		
	GROUNDED	UNGROUNDED
FINISHED	Ø2.35-2.55	Ø2.35-2.55
PAD	Ø5.50	N/A
PLATED	YES	NO
DRILL (mm/in)	2.58 /.1015	2.44 /.096

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

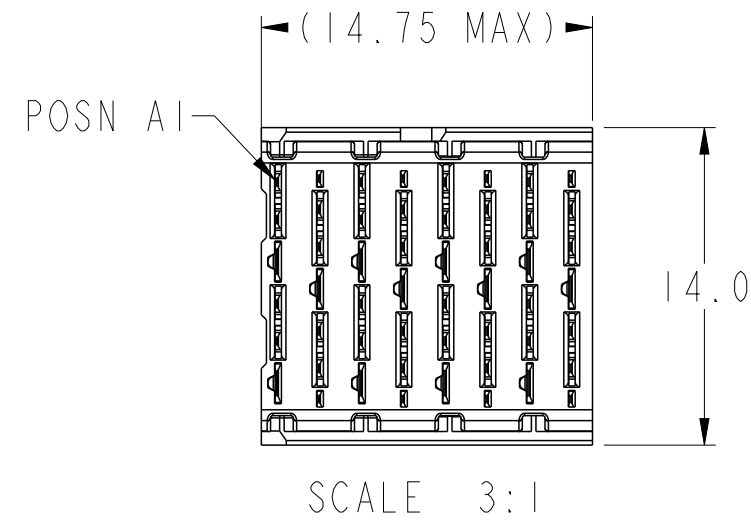
spec ref	SEE NOTES				dr	Kok-Hoe Lee	2010/06/25	projection 	MM 	size	A2	scale	6:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED				eng	Michael Song	2017/05/24			ecn no	ELX-DG-27080-1			
ASME Y14.5					chr	Stone Li	2017/06/05			rel level	Released			
					appr	Heaven Cen	2017/06/05	product family		-				
surface ✓	linear	0.X	±0.2	Amphenol FCi	title	MODULE ASSEMBLY VERTICAL HEADER, 8-COLUMN, 2-PAIR				dwg no	10113949		rev H	
		0.XX	±0.10											
		0.XXX	±0.050											
	ASME Y14.5	angular	0°											±°

OPEN (2-WALL) MODULE

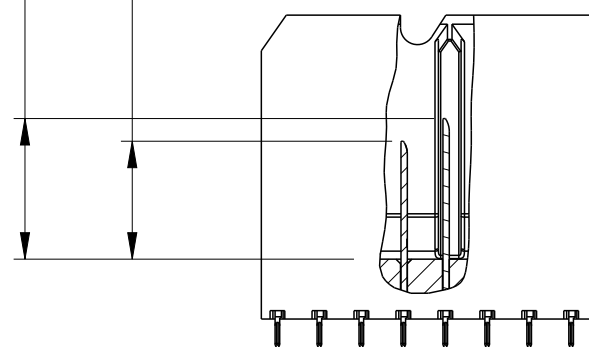
SEE NOTE 8



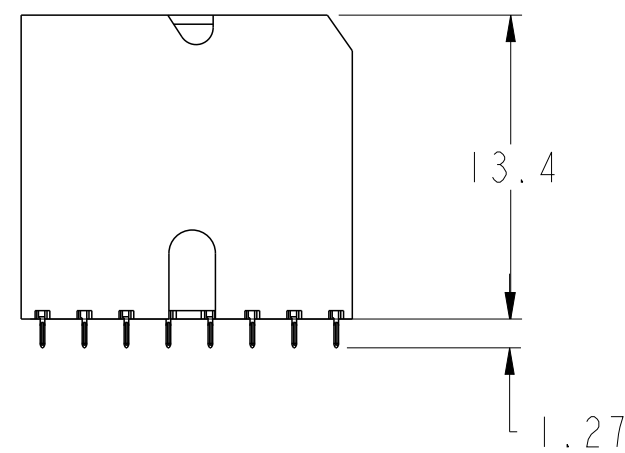
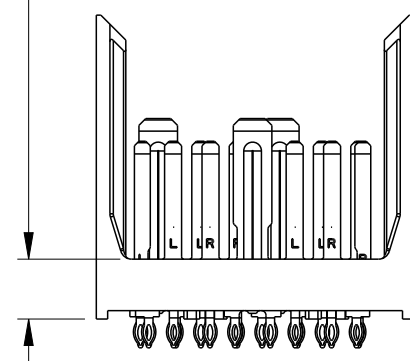
SEE NOTE 5



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



X_BP

(0.73)

(2.43)

0

2.06

TO TOP SURFACE
OF DAUGHTERCARD

1.60

2.70

4.26

5.36

6.96

8.06

9.62

Y_BP

14.8

1.85
TYP

TOP SURFACE OF
DAUGHTERCARD

0.10

1.20

2.80

3.90

5.46

6.56

8.16

9.26

14.0

SEE DETAIL A
(SHEET 8)

PCB HOLE PATTERN
COMPONENT SIDE
SCALE 10:1

NOMINAL MODULE OUTLINE

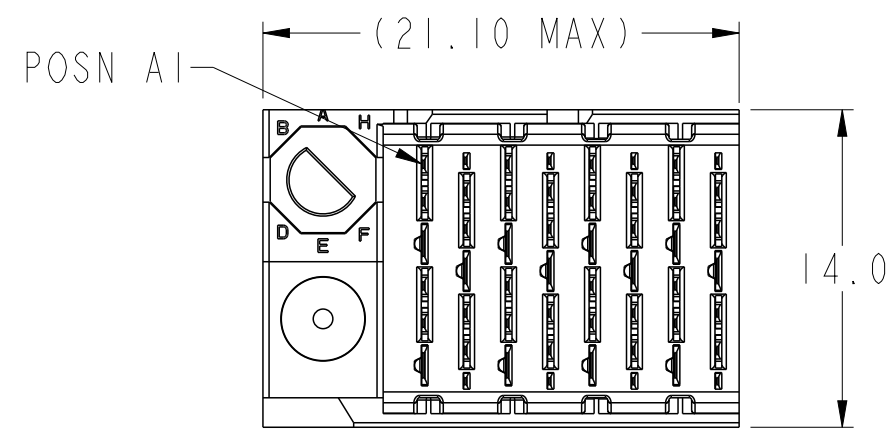
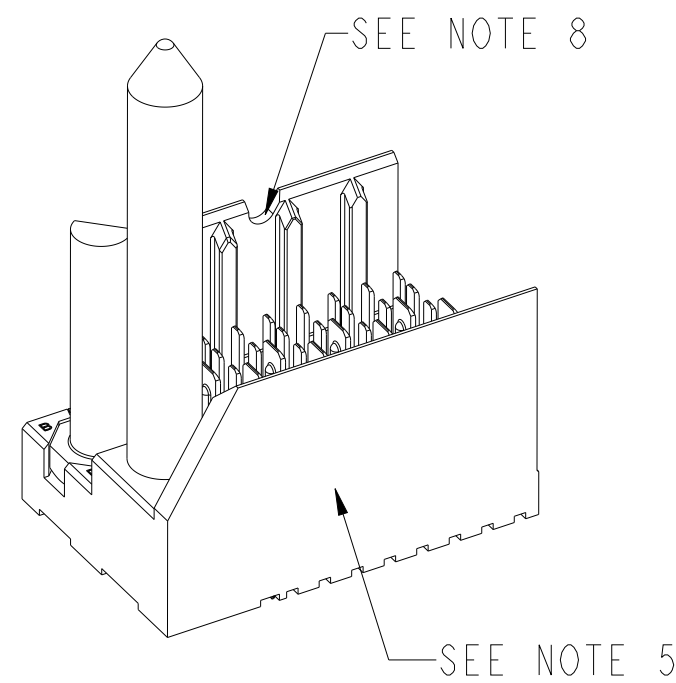
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tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Michael Song		2017/05/24						ecn no		ELX-DG-27080-1		-		product family		-	
ASME Y14.5					chr		Stone Li		2017/06/05								rel level							
		appr		Heaven Cen		2017/06/05																		
surface		linear		0.X		±0.2		Amphenol FCi		title		MODULE ASSEMBLY		dwg no		10113949		rev		H				
		0.XX		±0.10																				
		0.XXX		±0.050																				
ASME Y14.5		angular		0°		±°																		
								cat. no.				SEE P/N TREE				Product - Customer Drw				sheet 2 of 8				

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STATUS:Released

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LEFT POLARIZING/GUIDE MODULE

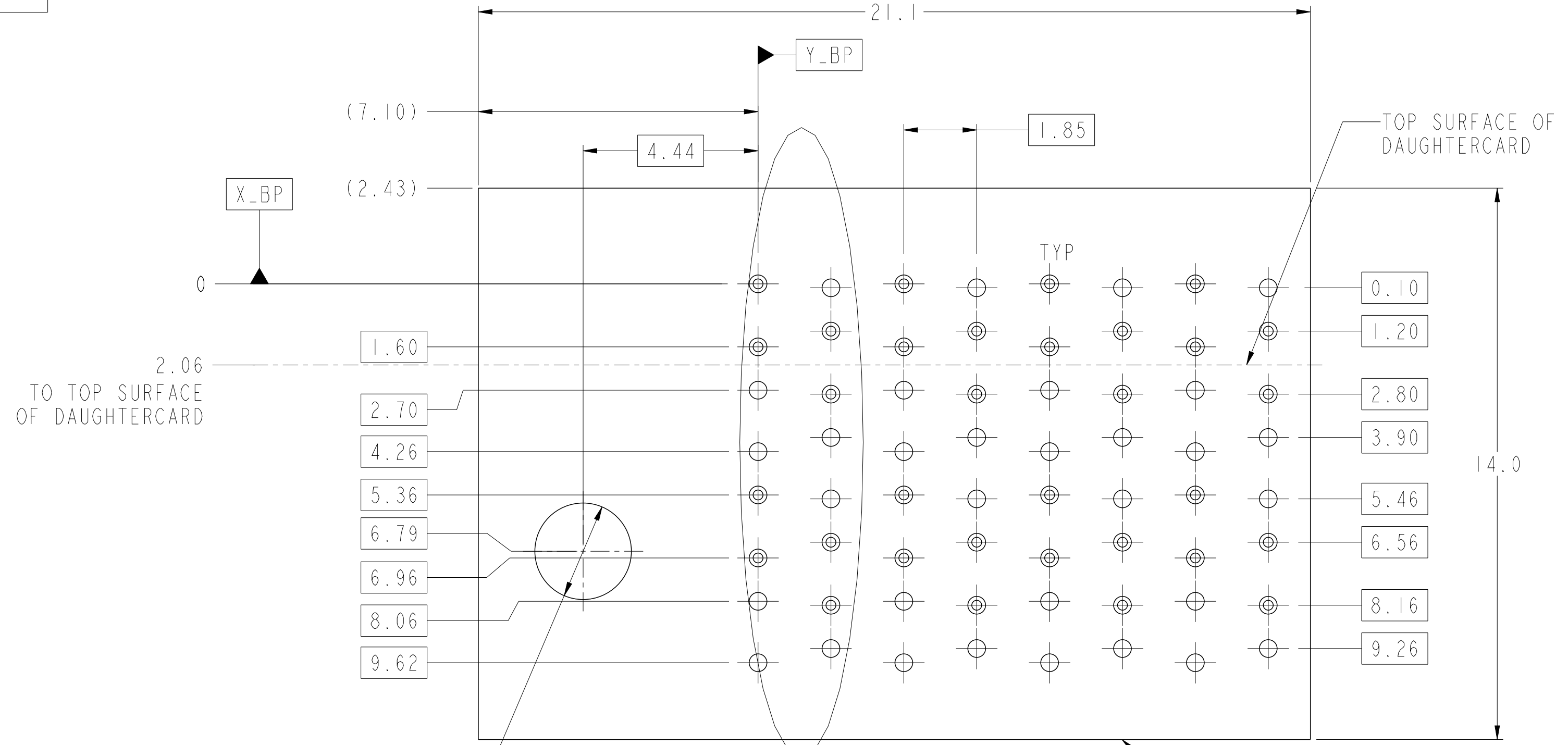
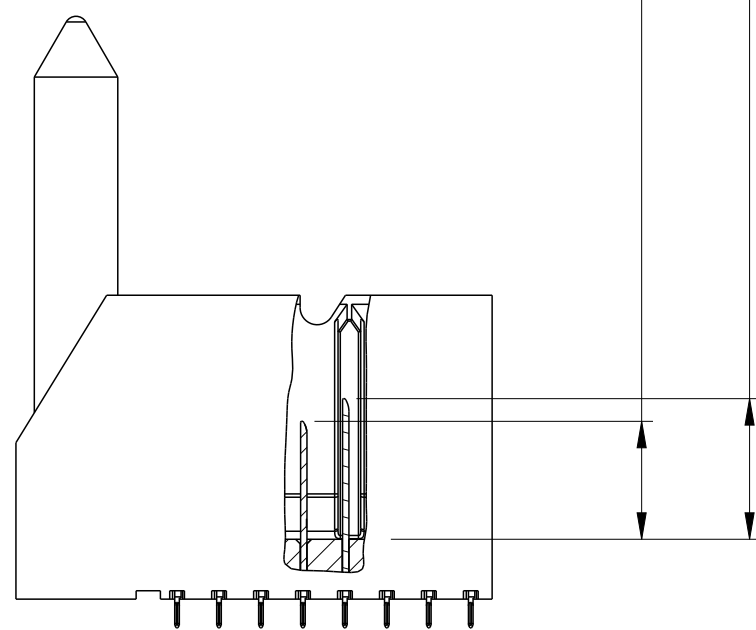


SCALE 3:1

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)



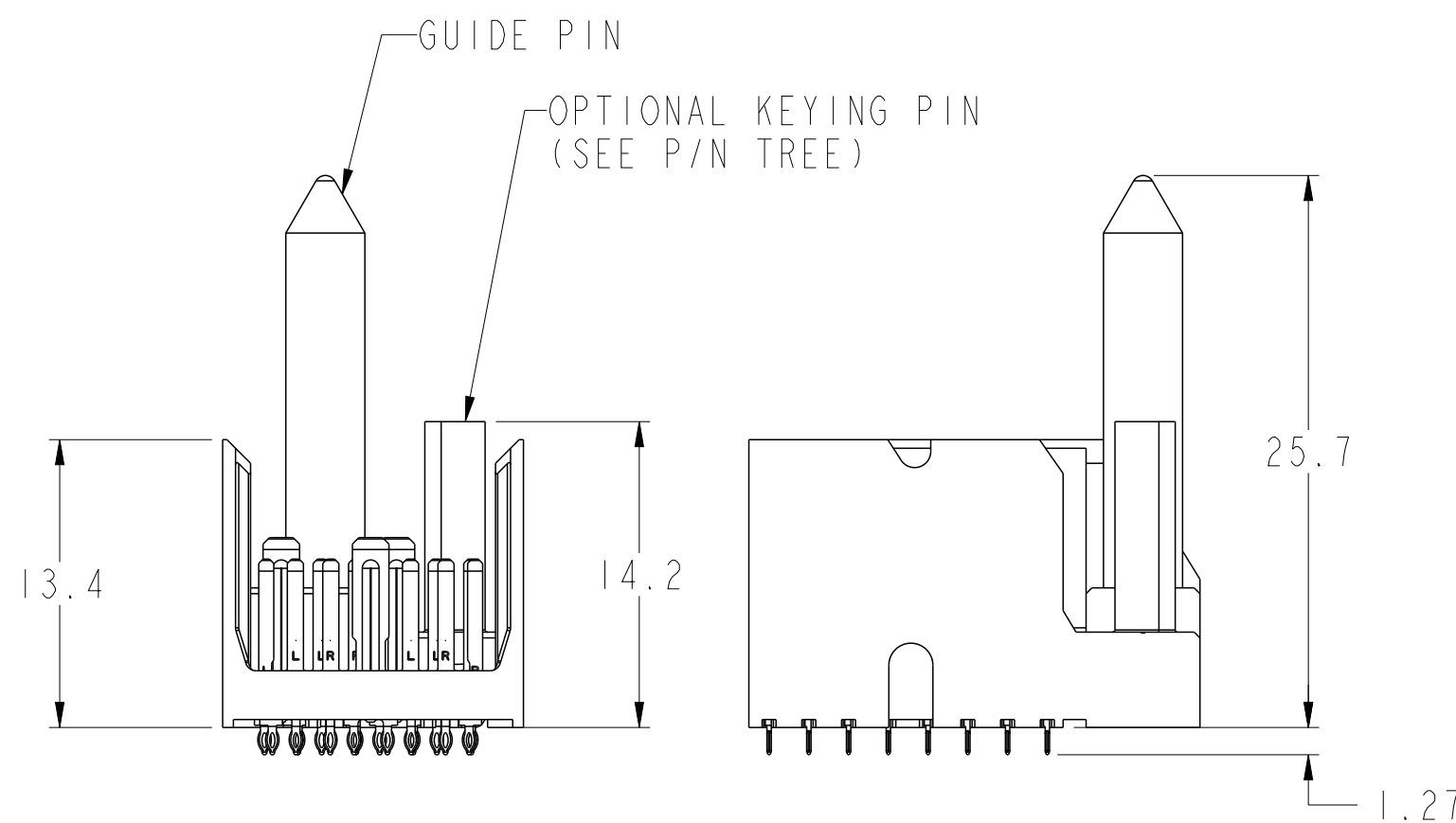
$\varnothing$	0.10	X_BP	Y_BP
---------------	------	------	------

SEE NOTE 11 & TABLE 1

SEE DETAIL A
(SHEET 8)

PCB HOLE PATTERN
COMPONENT SIDE
SCALE 10:1

NOMINAL MODULE OUTLINE



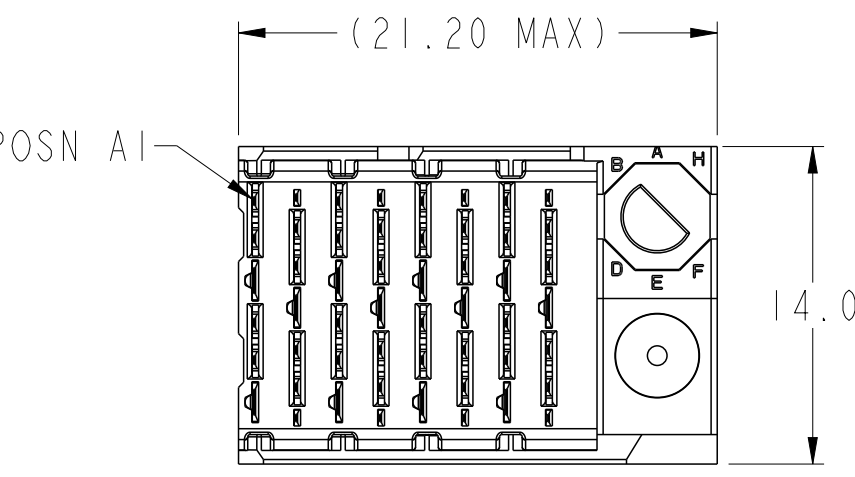
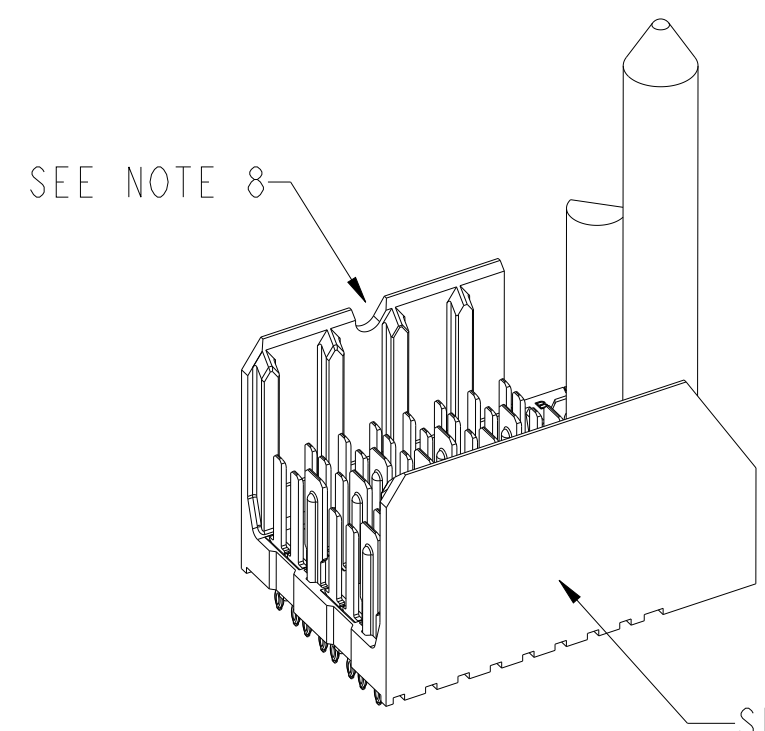
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tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Michael Song		2017/05/24						ecn no		ELX-DG-27080-1																		
ASME Y14.5					chr		Stone Li		2017/06/05						rel level		Released																		
		appr		Heaven Cen		2017/06/05		product family																											
surface		✓		linear		0.X		±0.2		Amphenol FCI		title		MODULE ASSEMBLY										dwg no		10113949		rev		H					
																																0.XX		±0.10	
																																0.XXX		±0.050	
ASME Y14.5		angular		0°		±°						cat. no.		SEE P/N TREE		Product - Customer Drw										sheet 3 of 8									

PDS: Rev :H

STATUS:Released

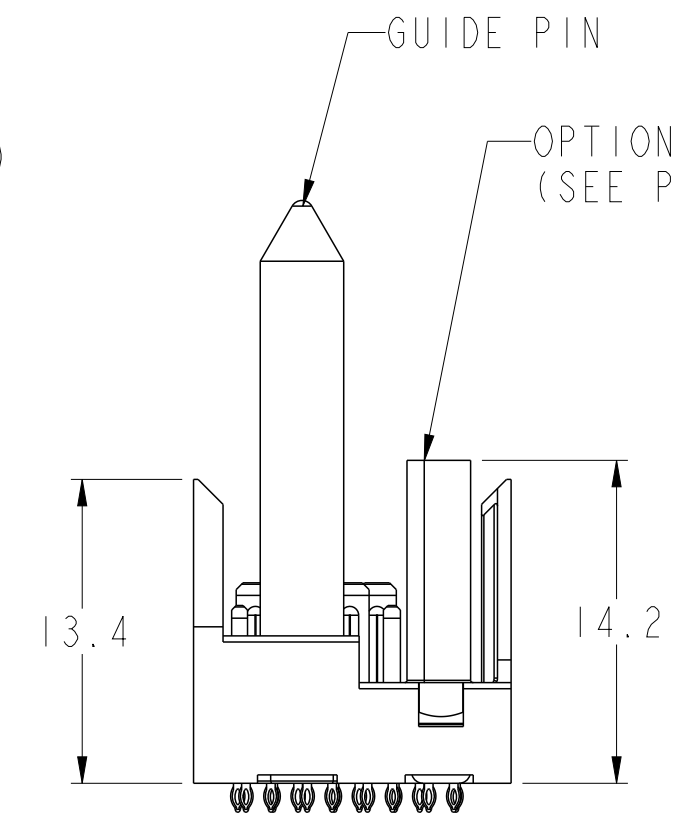
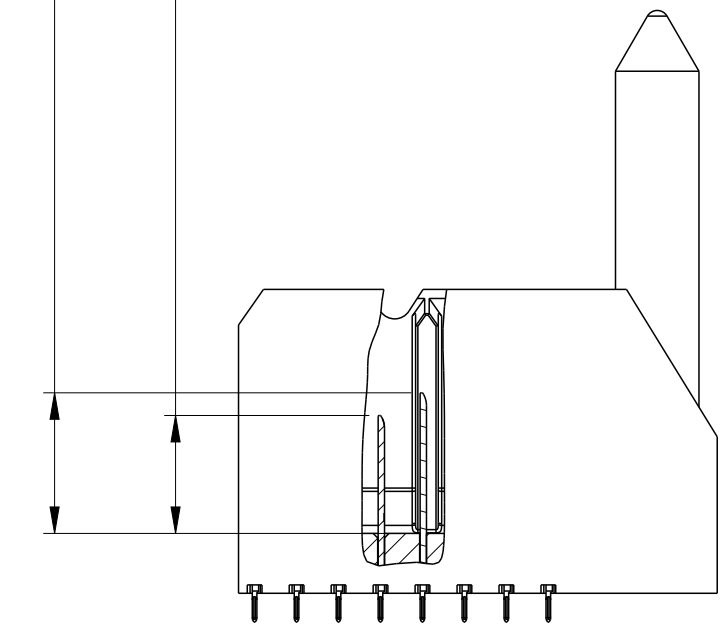
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RIGHT POLARIZING/GUIDE MODULE



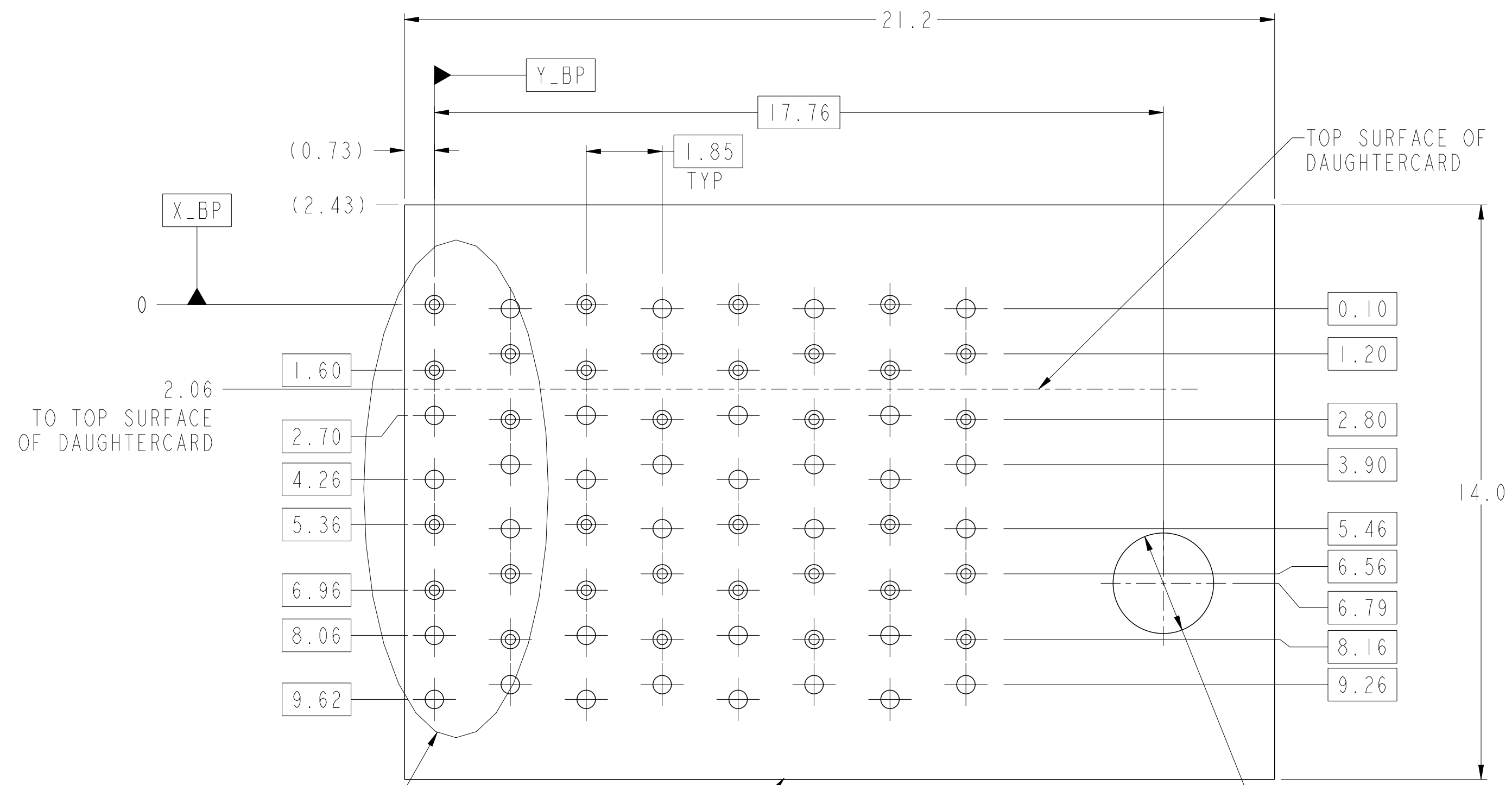
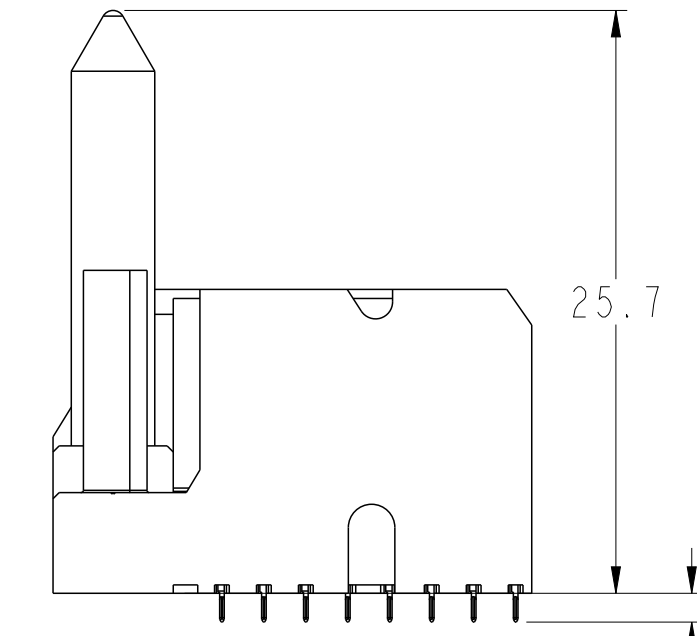
SCALE 3:1

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)



GUIDE PIN

OPTIONAL KEYING PIN
(SEE P/N TREE)



SEE DETAIL A
(SHEET 8)

NOMINAL MODULE OUTLINE

PCB HOLE PATTERN
COMPONENT SIDE
SCALE 10:1

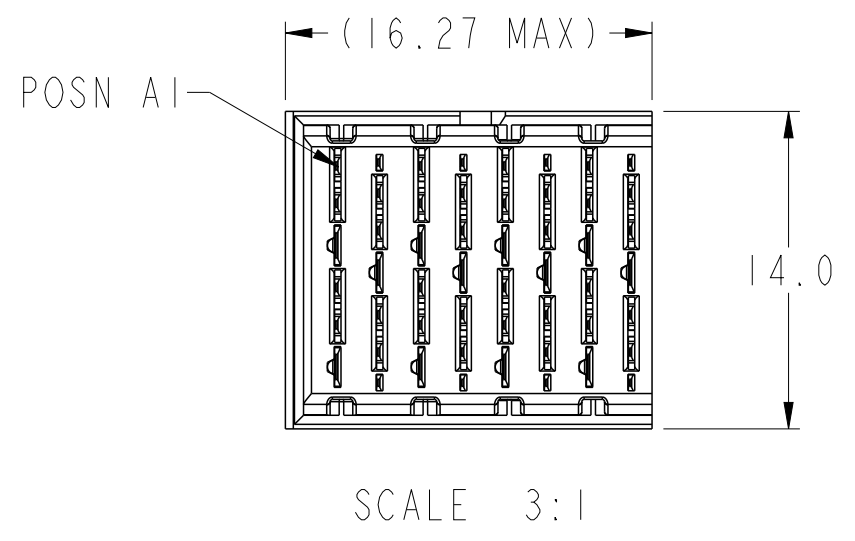
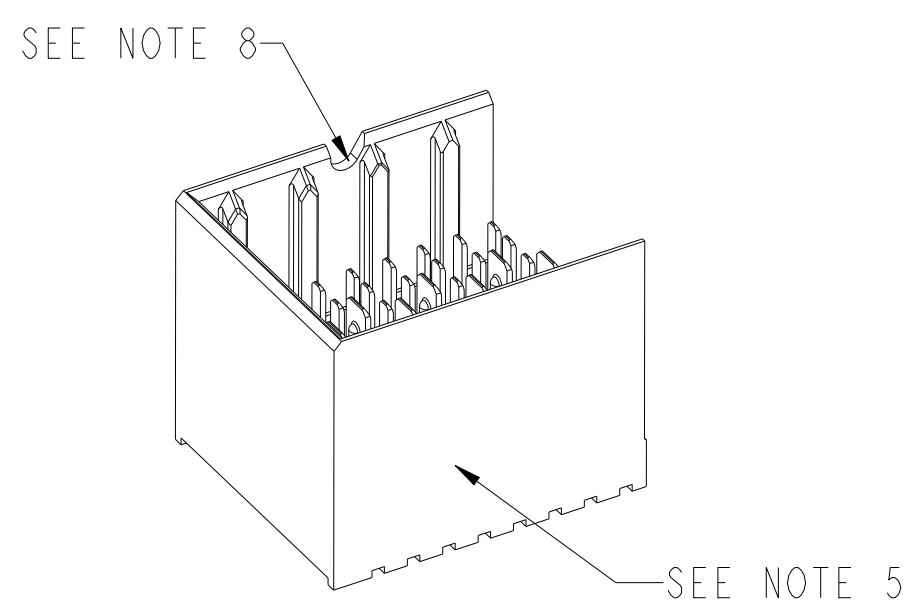
SEE NOTE 11 & TABLE 1

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tolerance std	ASME Y14.5	eng	Michael Song	2017/05/24	chr	Stone Li	2017/06/05	ecn no	ELX-DG-27080-1	
		appr	Heaven Cen	2017/06/05	product family	-	rel level	Released		
surface	linear	0.X	±0.2	0.XX	±0.10	0.XXX	±0.050	angular	0°	±°
ASME Y14.5										
Amphenol FCI		MODULE ASSEMBLY		VERTICAL HEADER, 8-COLUMN, 2-PAIR		cat. no.		SEE P/N TREE		Product - Customer Drw
PDS: Rev :H		STATUS:Released		Printed: Jun 05, 2017		sheet 4 of 8				

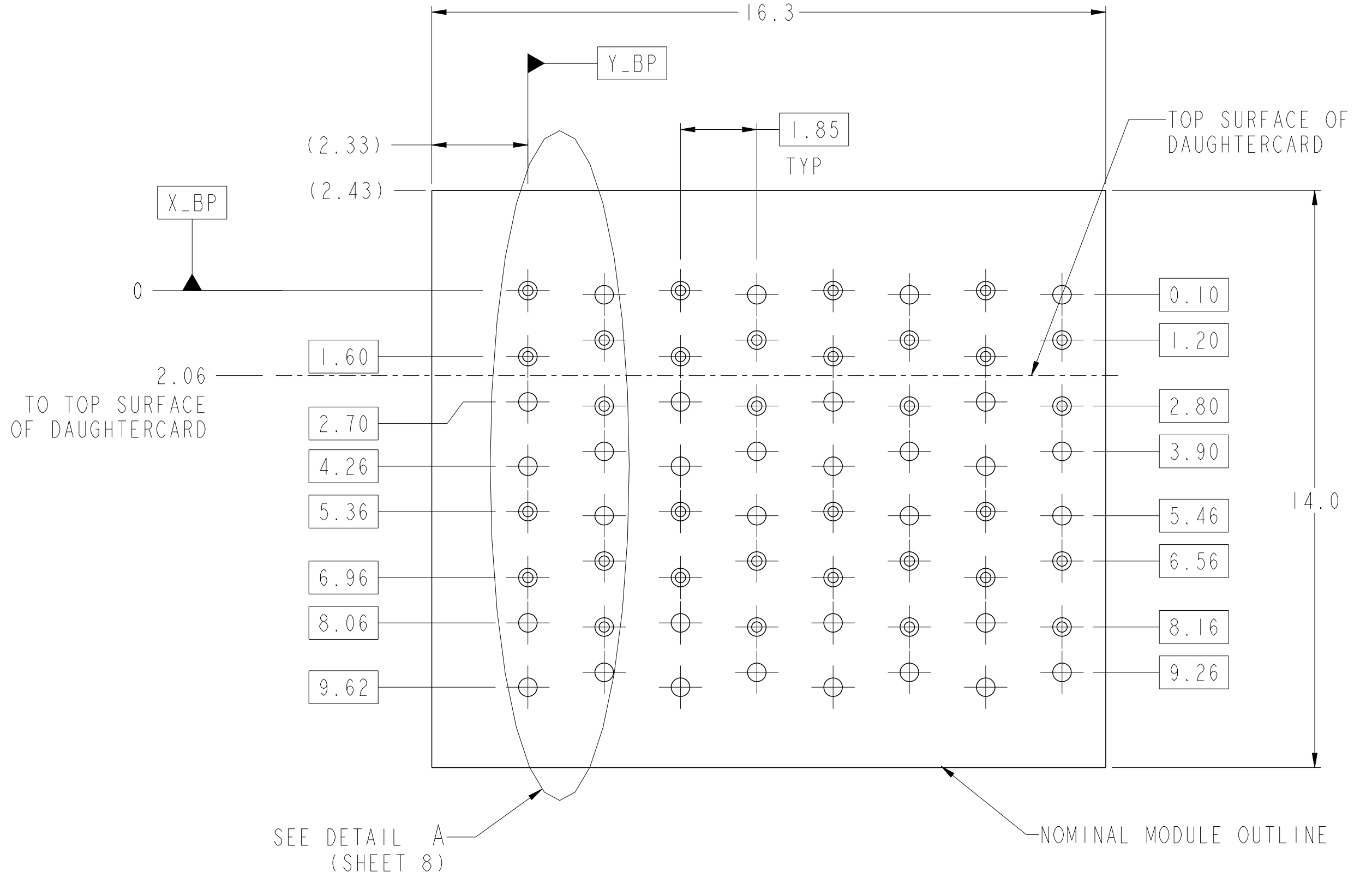
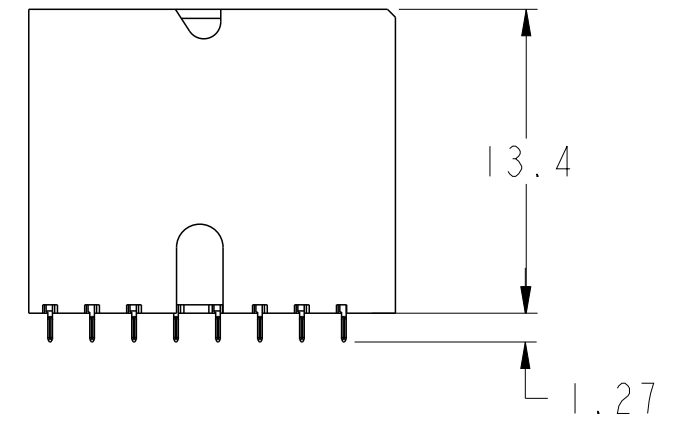
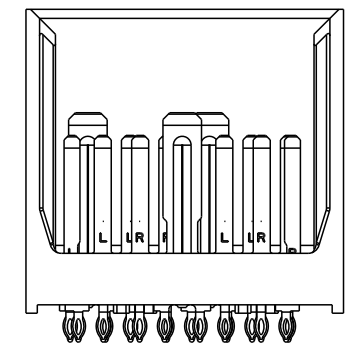
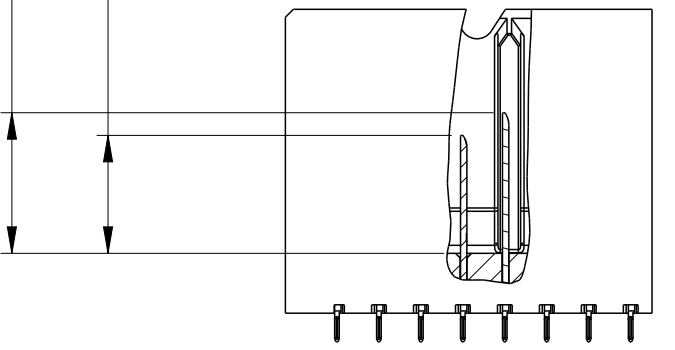
Amphenol FCI

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LEFT WALL MODULE



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)



SEE DETAIL A (SHEET 8)

PCB HOLE PATTERN
COMPONENT SIDE
SCALE 10:1

spec ref		SEE NOTES			dr		Kok-Hoe Lee		2010/06/25		projection		MM		size		A2		scale		6:1										
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Michael Song		2017/05/24						ecn no		ELX-DG-27080-1														
ASME Y14.5					chr		Stone Li		2017/06/05						rel level		Released														
					appr		Heaven Cen		2017/06/05						product family																
surface		linear		0.X		±0.2		Amphenol FCI		title		MODULE ASSEMBLY										dwg no		10113949						rev	
				0.XX		±0.10																VERTICAL HEADER, 8-COLUMN, 2-PAIR									
ASME Y14.5		angular		0°		±°																									
</																															

PDS: Rev :H

STATUS:Released

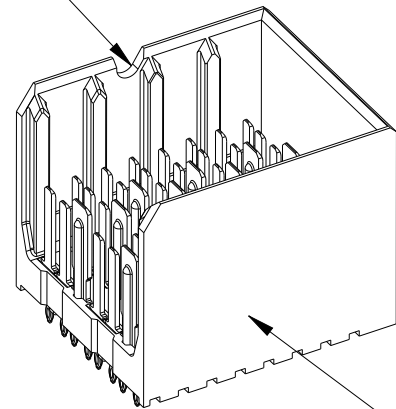
Printed: Jun 05, 2017

Amphenol FCI

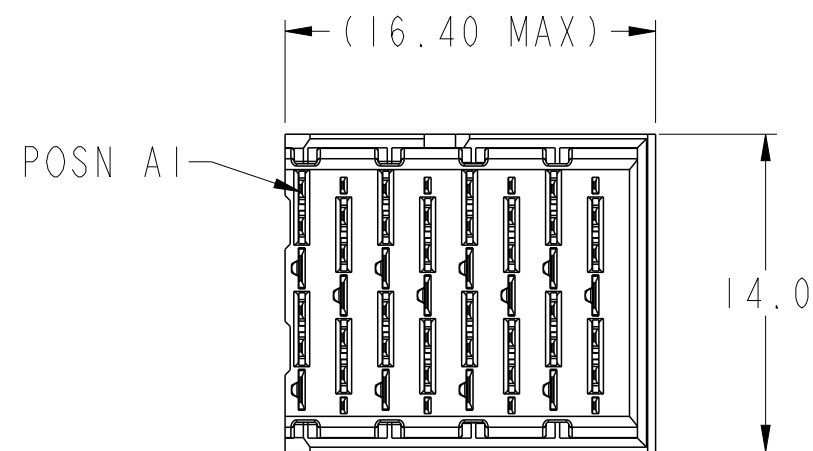
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RIGHT WALL MODULE

SEE NOTE 8



SEE NOTE 5

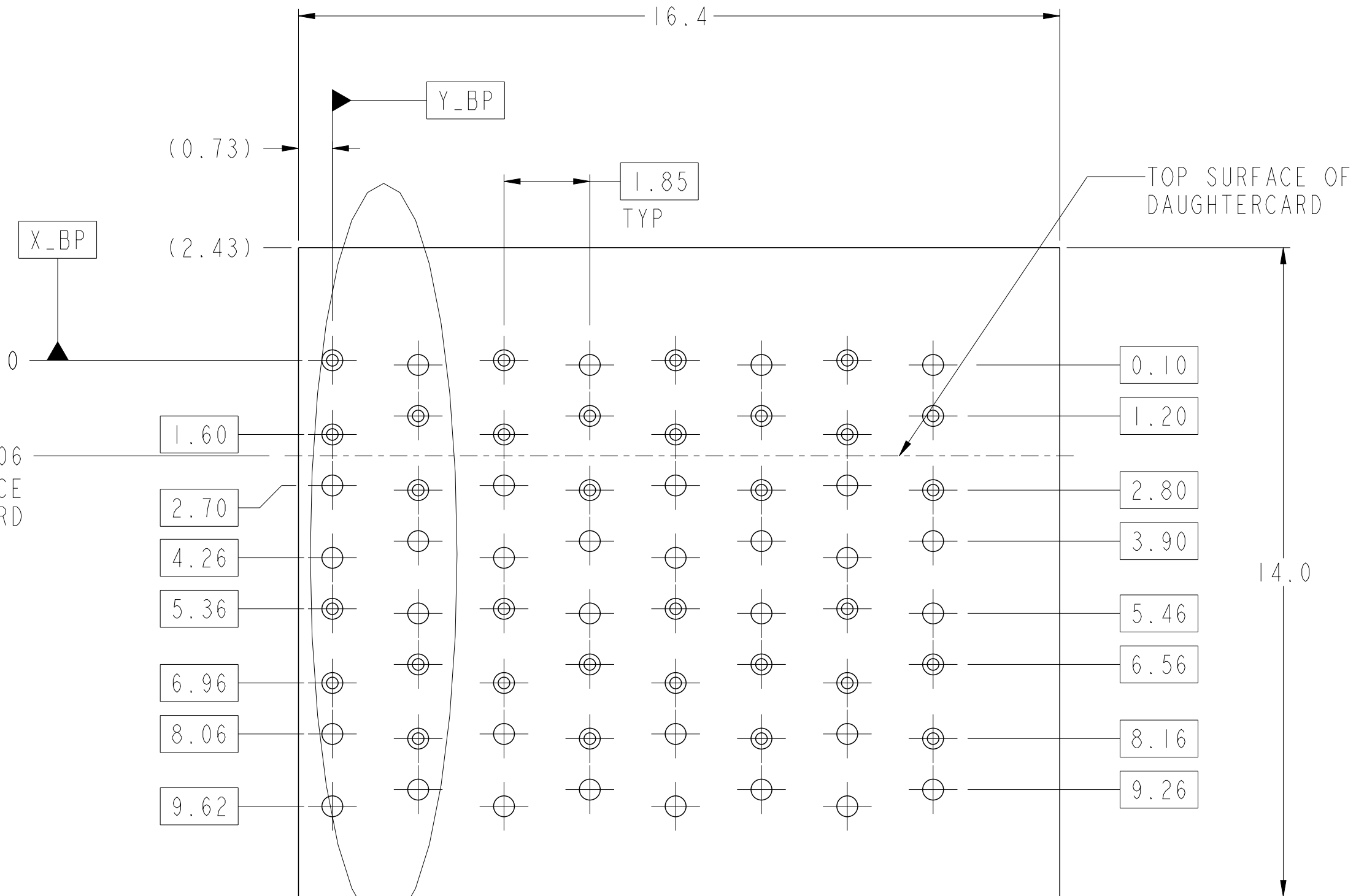
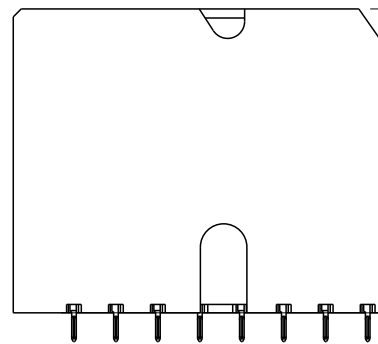
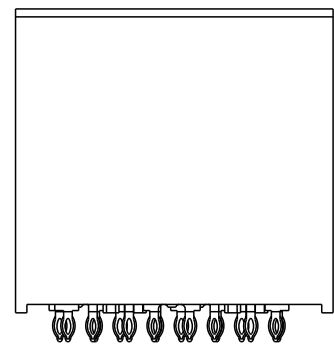
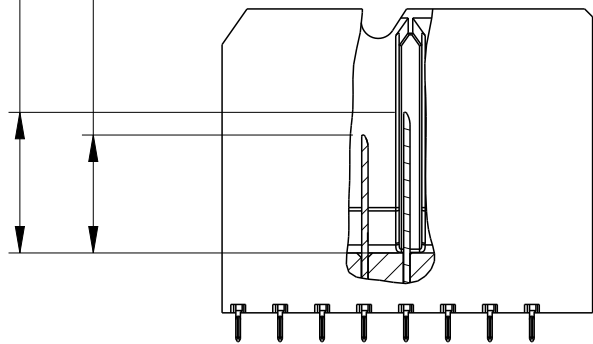


SCALE 3:1

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)



SEE DETAIL A
(SHEET 8)

PCB HOLE PATTERN
COMPONENT SIDE
SCALE 10:1

NOMINAL MODULE OUTLINE

spec ref		SEE NOTES		dr	Kok-Hoe Lee	2010/06/25	projection	MM	size	A2	scale	6:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Michael Song	2017/05/24					ecn no	ELX-DG-27080-1	
ASME Y14.5				chr	Stone Li	2017/06/05	product family	-			rel level	Released	
				appr	Heaven Cen	2017/06/05							
surface	linear	0.X	±0.2	Amphenol FCI	title	MODULE ASSEMBLY			dwg no	10113949		rev	H
		0.XX	±0.10										
		0.XXX	±0.050										
ASME Y14.5	angular	0°	±0°		cat. no.	SEE P/N TREE	Product - Customer Drw			sheet 6 of 8			

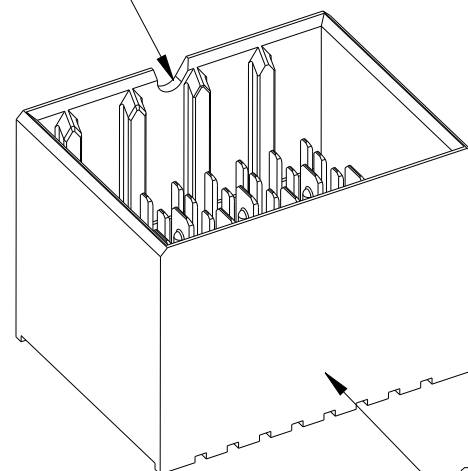
PDS: Rev :H

STATUS:Released

Printed: Jun 05, 2017

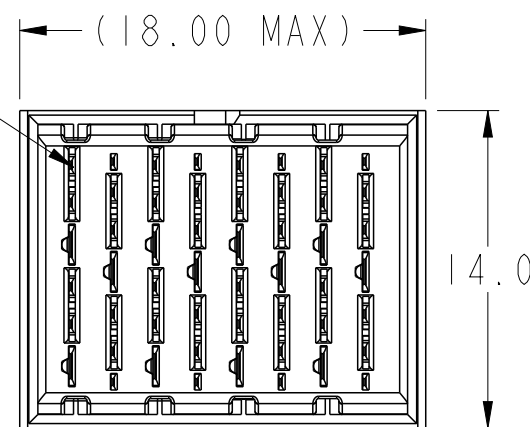
FOUR WALL MODULE

SEE NOTE 8



SEE NOTE 5

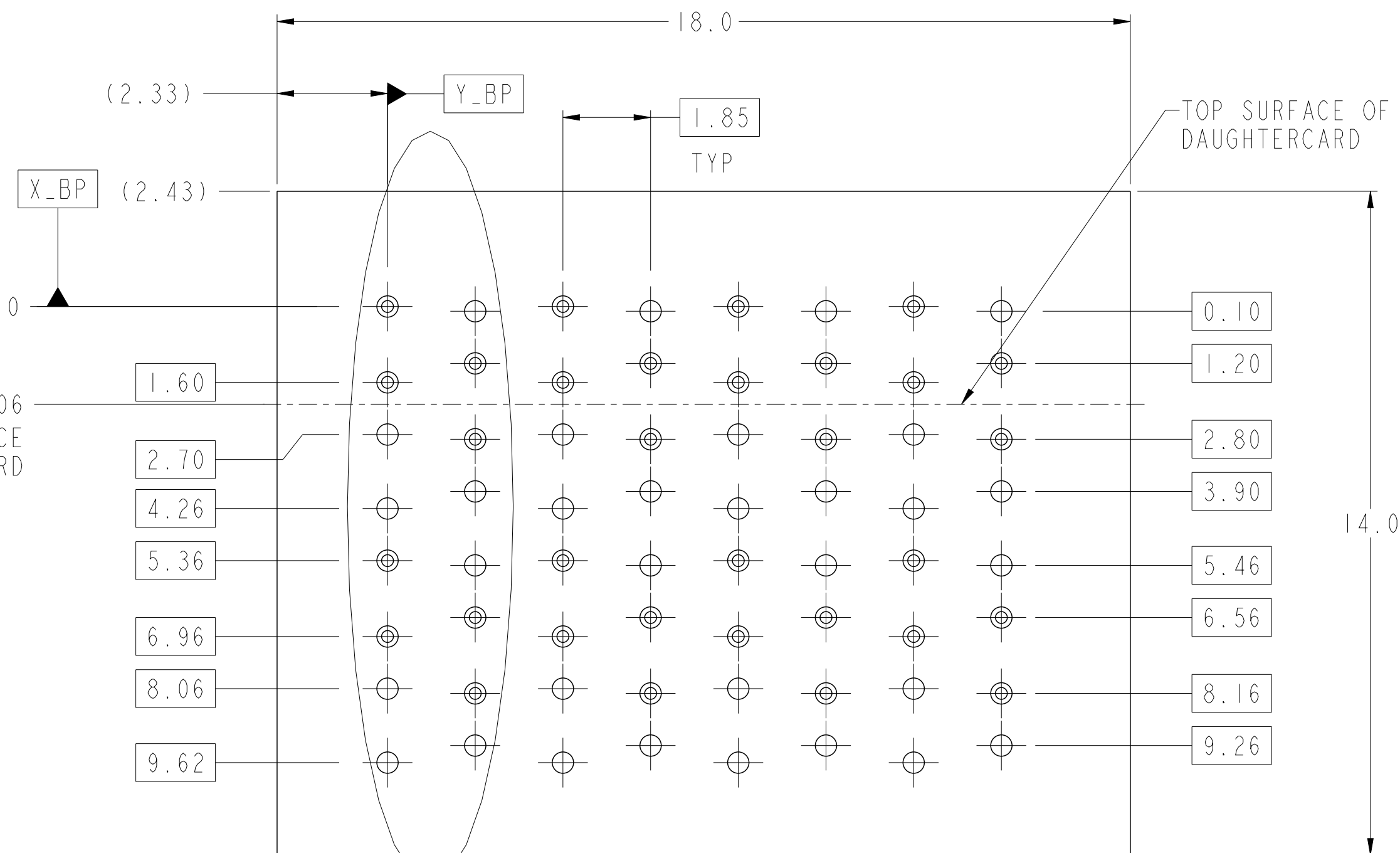
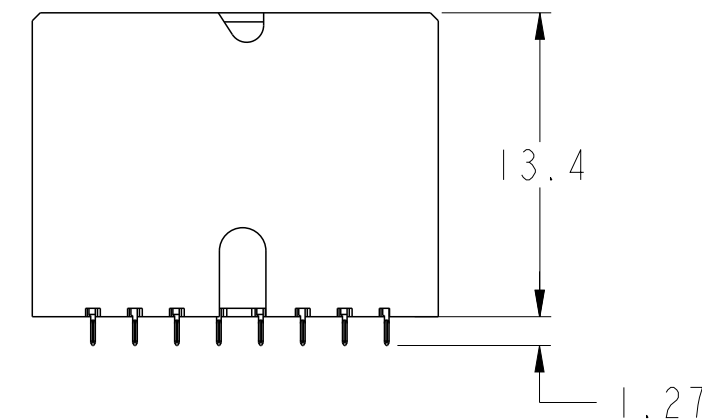
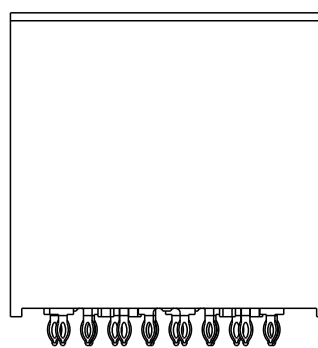
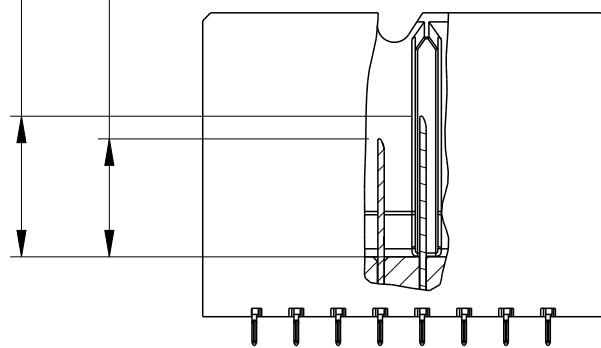
POSN A1



SCALE 3:1

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)



SEE DETAIL A
(SHEET 8)

PCB HOLE PATTERN
COMPONENT SIDE
SCALE 10:1

NOMINAL MODULE OUTLINE

spec ref		SEE NOTES		dr		Kok-Hoe Lee		2010/06/25		projection		MM		size		A2		scale		5:1			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Michael Song		2017/05/24						ecn no		ELX-DG-27080-1							
ASME Y14.5				chr		Stone Li		2017/06/05						product family		-						rel level	
				appr		Heaven Cen		2017/06/05															
surface		linear		0.X		±0.2		Amphenol FCI		title		MODULE ASSEMBLY						dwg no		10113949		rev	
				0.XX		±0.10																	
				0.XXX		±0.050																	
ASME Y14.5		angular		0°		±°						VERTICAL HEADER, 8-COLUMN, 2-PAIR										H	
										cat. no.		SEE P/N TREE		Product - Customer Drw								sheet 7 of 8	

NOTES:

- CONNECTOR MATERIALS
SHROUD: HIGH-TEMP THERMOPLASTIC, GRAY, UL94V-0
CONTACTS: HIGH PERFORMANCE COPPER ALLOY
- 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 (CO) OR UNCONTROLLED ENVIRONMENT (UE) TEST SEQUENCE AS NOTED IN P/N TREE.

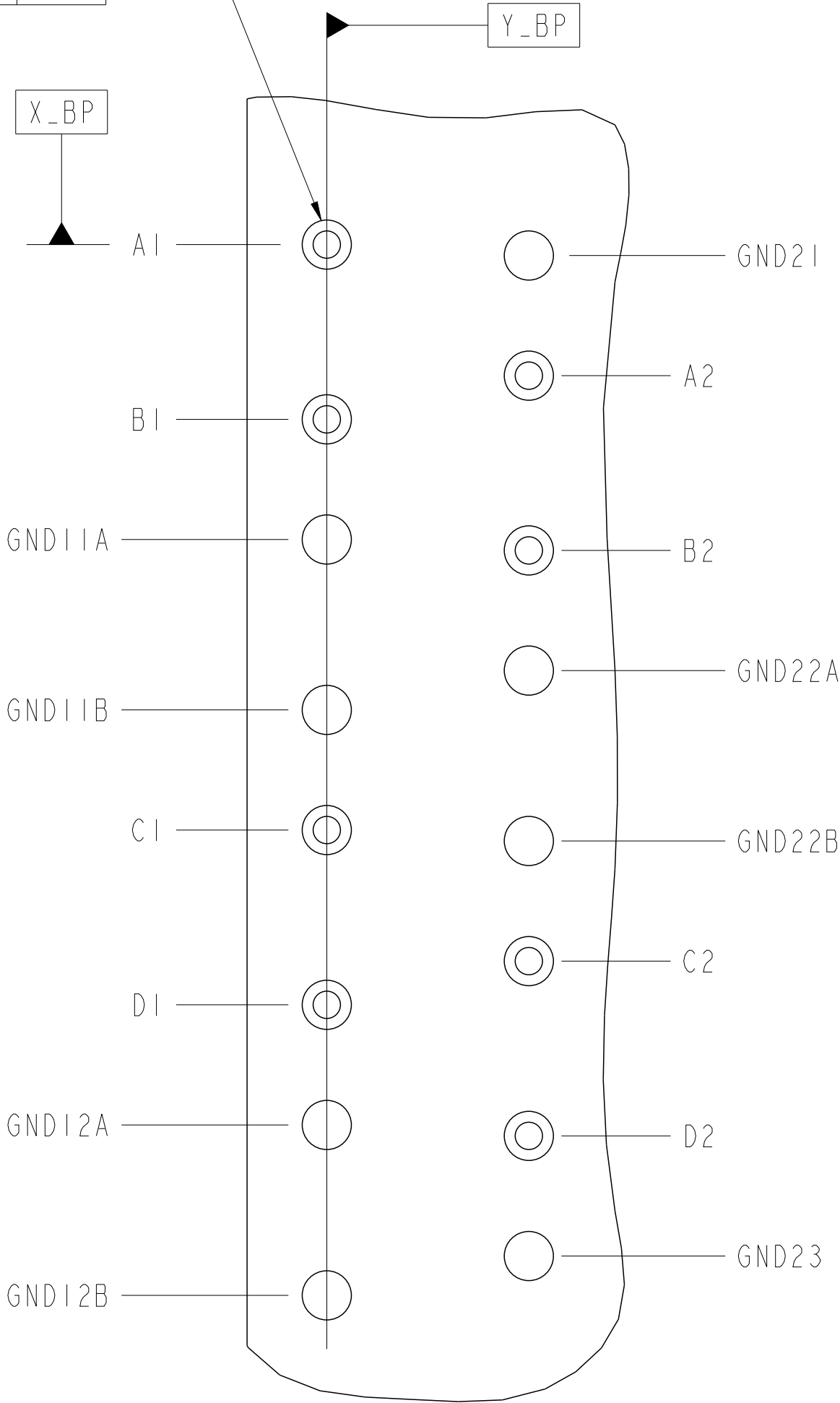
PRESS-FIT TAILS: TIN OVER NICKEL, OR TIN-LEAD ALLOY OVER NICKEL. SEE P/N TREE.
- PRODUCT SPECIFICATION: GS-12-588
- APPLICATION SPECIFICATION: GS-20-121
- PRODUCT MARKING (PART NUMBER AND LOT CODE) ON THESE SURFACES.
- HOUSING MUST WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 40 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR-PHASE REFLOW OVEN.
- PACKAGING MEETS GS-14-920 LEAD-FREE LABELING SPECIFICATION.
- NOTCH INDICATES "ROW A" SIDE OF CONNECTOR.
- SEE APPLICATION SPECIFICATION FOR ROUTING GUIDELINES, ADDITIONAL PTH GUIDELINES, MATED DIMENSIONS, GUIDE PN SELECTION, ETC.
- SCREW IS OPTIONAL AND ENGAGES WITH BOTTOM OF GUIDE-PIN FROM BENEATH THE PCB FOR ADDITIONAL GUIDE-PIN SUPPORT.
- OPTIONAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE-PIN SUPPORT. SEE TABLE 1 ON SHEET 1 FOR ADDITIONAL DETAILS.

TABLE 3: PTH AND PAD SIZES WITH REFERENCE TO COMPLIANT PIN DRILL

COMPLIANT PIN DRILL	PTH	PAD
Ø0.55 [0.0217"]	Ø0.45±0.05	Ø0.85
Ø0.45 [0.0177"]	Ø0.36±0.05	Ø0.75

REFER TABLE 3
FOR PTH, DRILL & PAD SIZES

Ø	Ø0.10	X_BP	Y_BP
---	-------	------	------



DETAIL A
SCALE 20:1

spec ref		SEE NOTES		dr		Kok-Hoe Lee	2010/06/25	projection		MM		size	A2	scale	6:1				
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Michael Song	2017/05/24					ecn no		ELX-DG-27080-1					
ASME Y14.5				chr		Stone Li	2017/06/05							rel level		Released			
				appr		Heaven Cen	2017/06/05							product family		XCede			
surface		linear				title		MODULE ASSEMBLY VERTICAL HEADER, 8-COLUMN, 2-PAIR				dwg no		10113949		rev H			
		0.X																±0.2	
		0.XX																±0.10	
ASME Y14.5		angular		0°		±°		www.fci.com				cat. no.		SEE P/N TREE		Product - Customer Drw		sheet 8 of 8	