

A	1 0 1 1 3 9 4 9 - X X E - X 0 X L F									
B										
C										
D										
E										
F										

8-COLUMN
DIFFERENTIAL
SIGNAL

LEAD-FREE DESIGNATION
ONLY WITH APPLICABLE
PLATING CODES

0: GENERAL LABEL
E: CUSTOMIZED LABEL

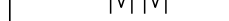
LETTER	PERFORMANCE-BASED PLATING (SEE NOTE 2)	
	TARGET APPLICATION	LEAD FREE (LF)
B	TELCORDIA CO	NO
C	TELCORDIA UE	NO
D	TELCORDIA CO	YES
E	TELCORDIA UE	YES

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"]

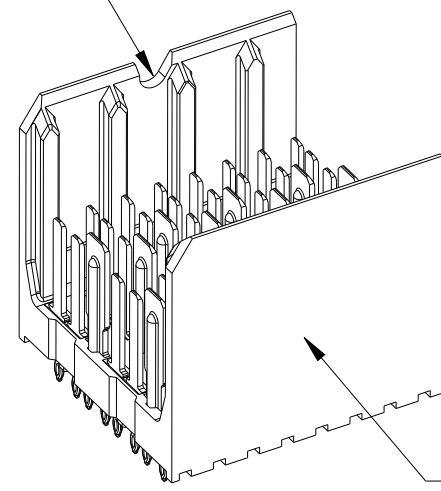
TABLE 1: OPTIONAL PCB HOLE SIZE (SEE NOTE 11)		
	GROUNDED	UNGROUNDED
FINISHED	Ø2.35-2.55	Ø2.35-2.55
PAD	Ø5.50	N/A
PLATED	YES	NO
DRILL (mm/in)	2.58 /.1015	2.44 /.096

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

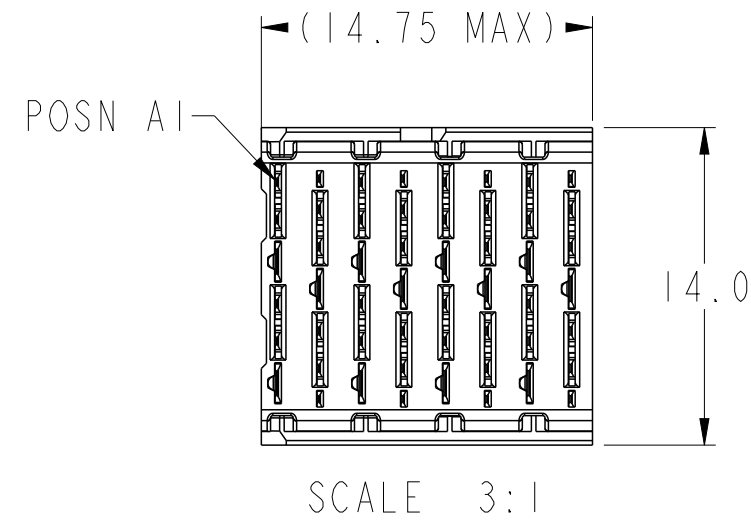
spec ref	SEE NOTES					dr	Kok-Hoe Lee	2010/06/25	projection 	MM 	size	A2	scale	6:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED					eng	Michael Song	2017/05/24			ecn no	ELX-DG-27080-1		
ASME Y14.5						chr	Stone Li	2017/06/05						
						appr	Heaven Cen	2017/06/05						product family
surface	linear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

OPEN (2-WALL) MODULE

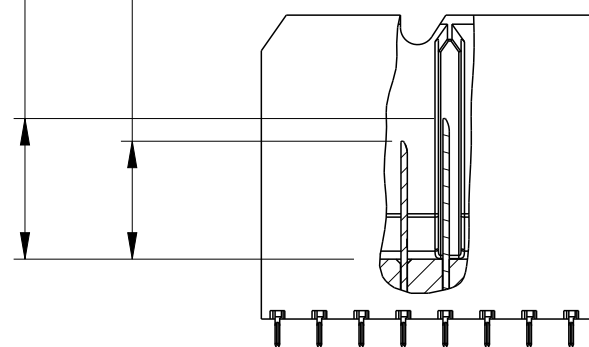
SEE NOTE 8



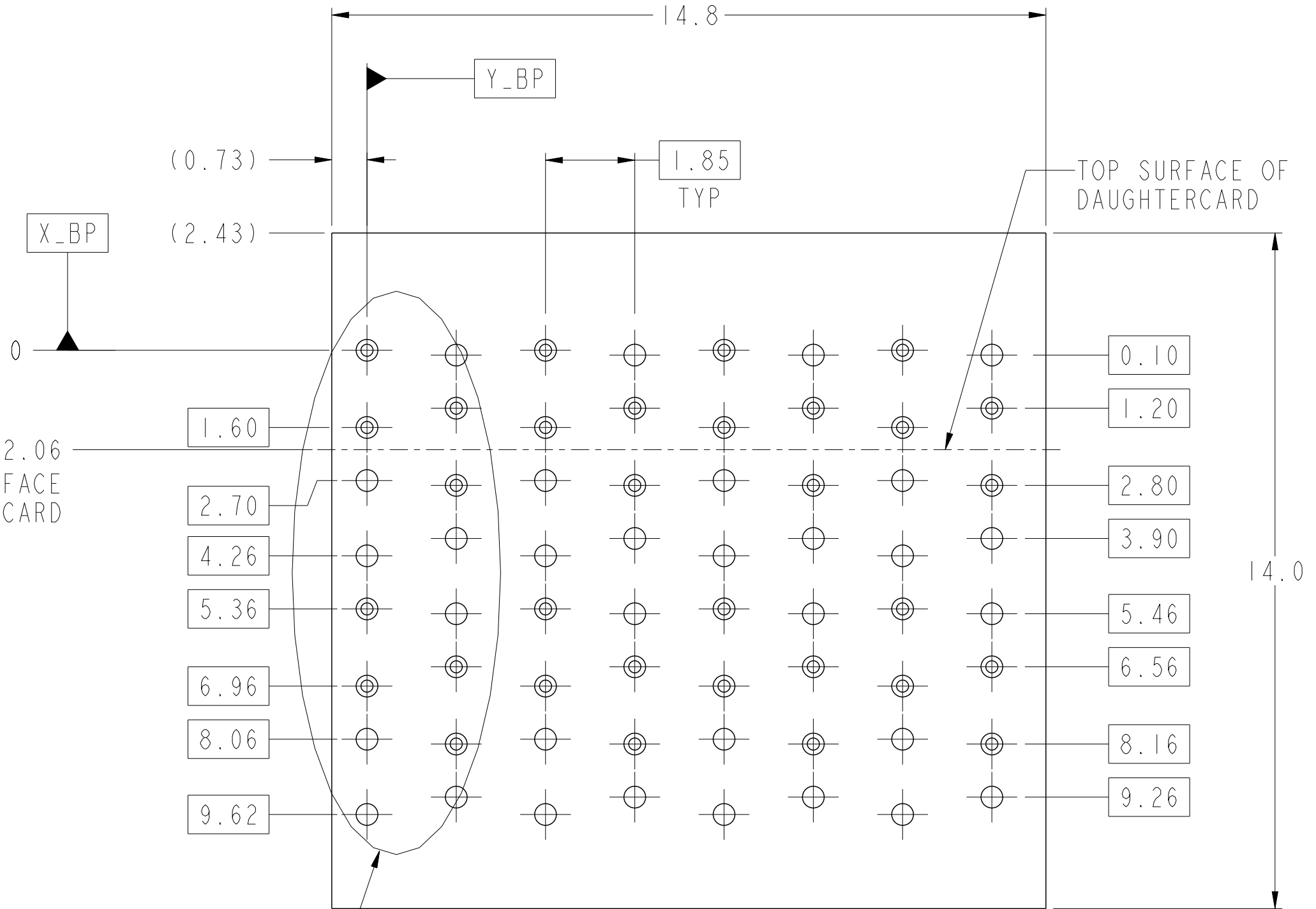
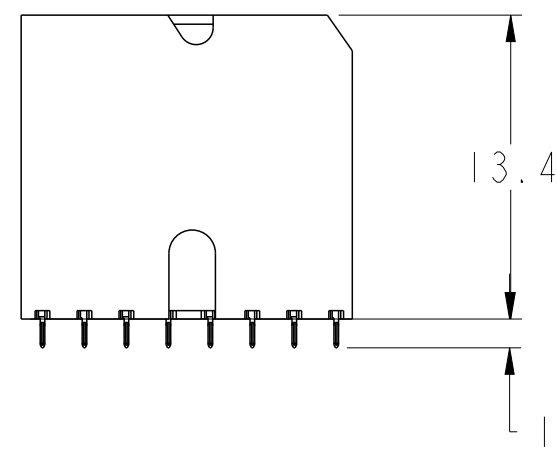
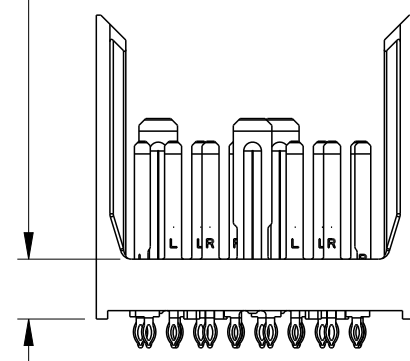
SEE NOTE 5



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)

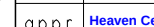


2.64±0.10 FROM STANDOFF
SURFACE TO MATING SURFACE



SEE DETAIL A
(SHEET 8)

PCB HOLE PATTERN
COMPONENT SIDE
SCALE 10:1

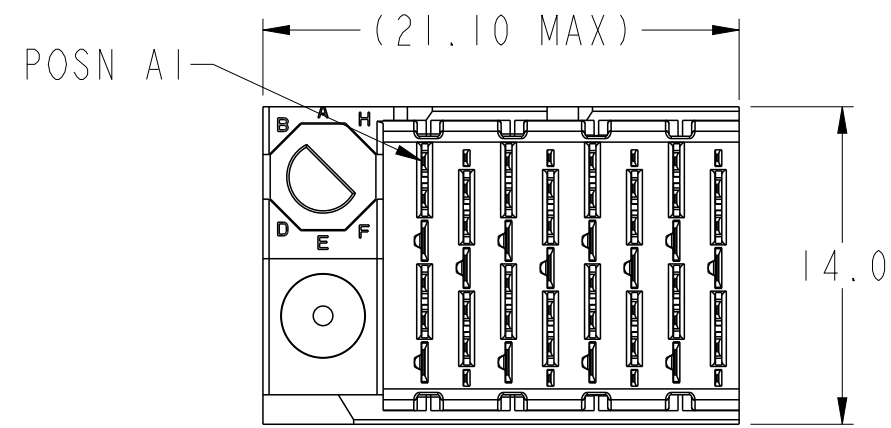
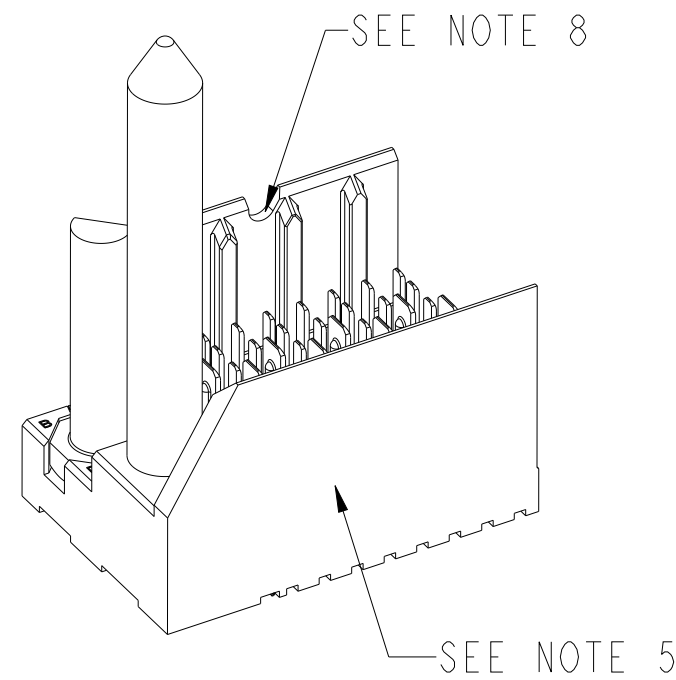
spec ref		SEE NOTES			dr		Kok-Hoe Lee		2010/06/25		projection						MM		size		A2		scale		6:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Michael Song		2017/05/24						ecn no		ELX-DG-27080-1		-		product family		rel level		Released		
ASME Y14.5					chr		Stone Li		2017/06/05								-		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

PDS: Rev :H

STATUS:Released

Printed: Jun 05, 2017

LEFT POLARIZING/GUIDE MODULE

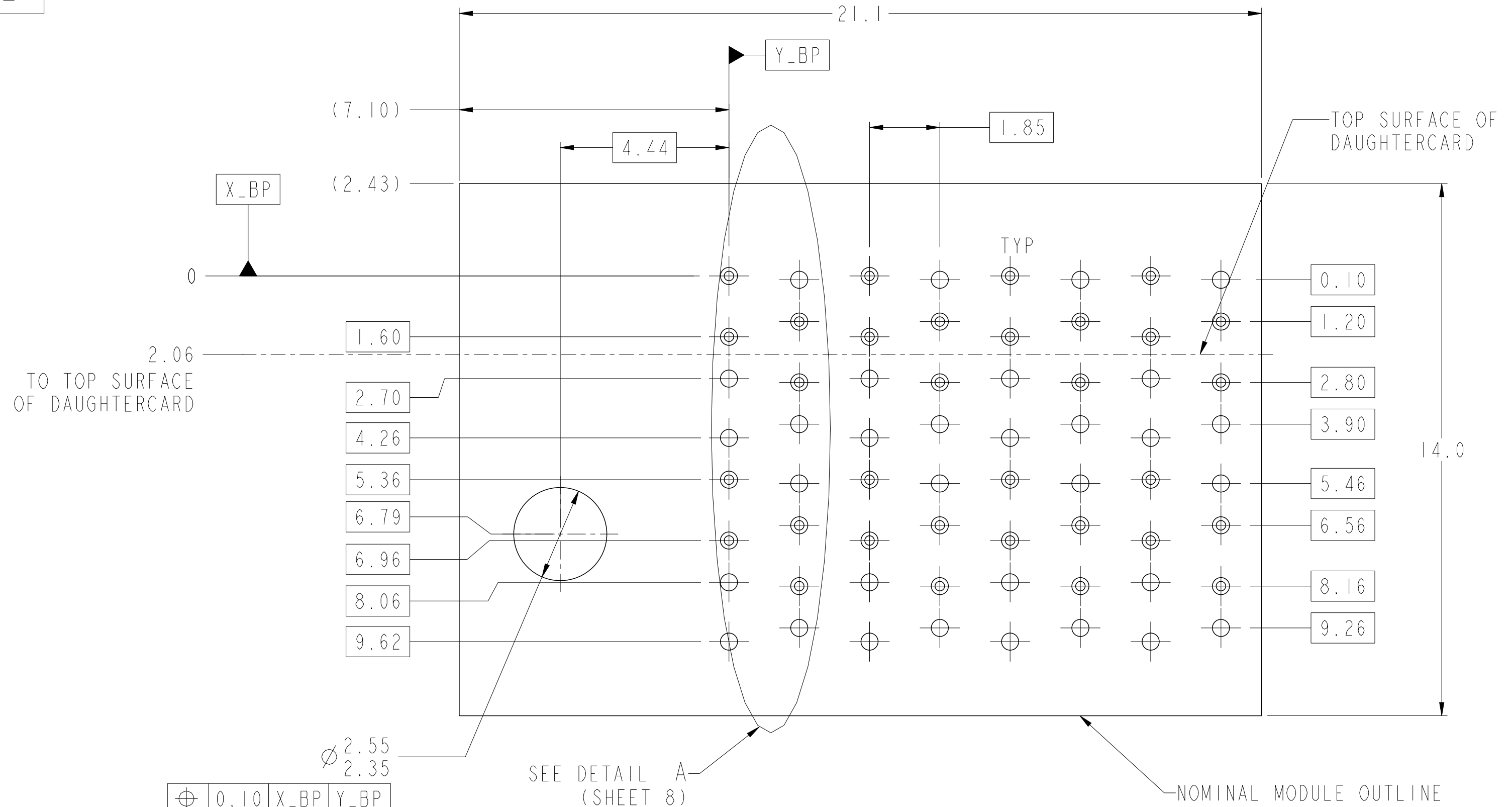
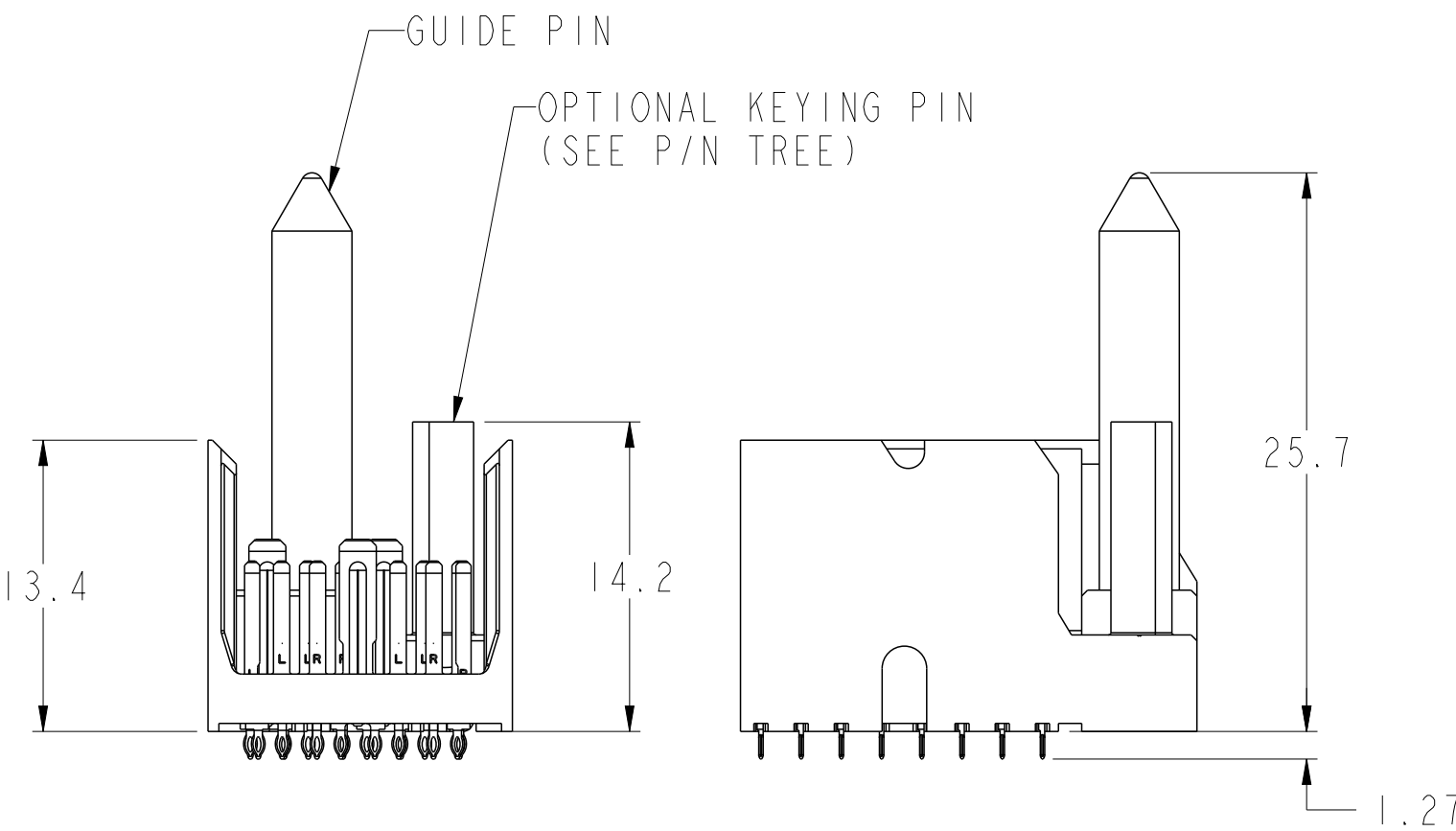
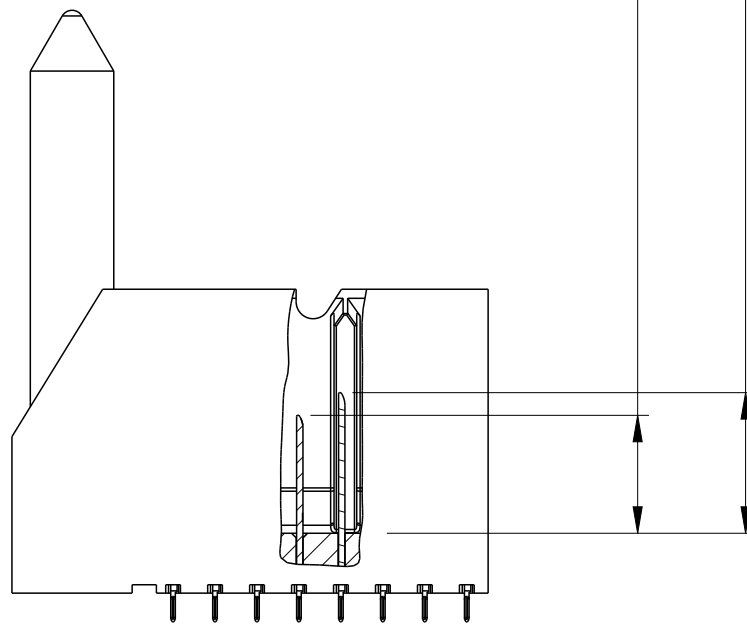


SCALE 3:1

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)



⊕	0.10	X_BP	Y_BP
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SEE NOTE 11 & TABLE 1

PCB HOLE PATTERN
COMPONENT SIDE
SCALE 10:1

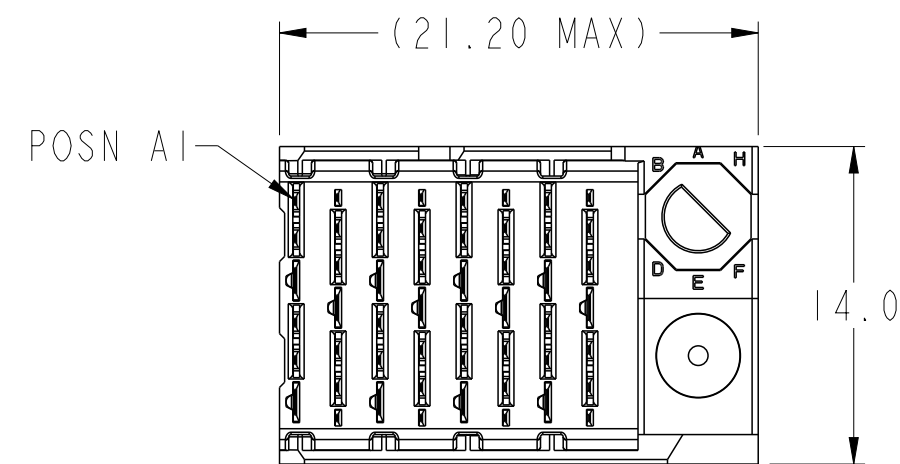
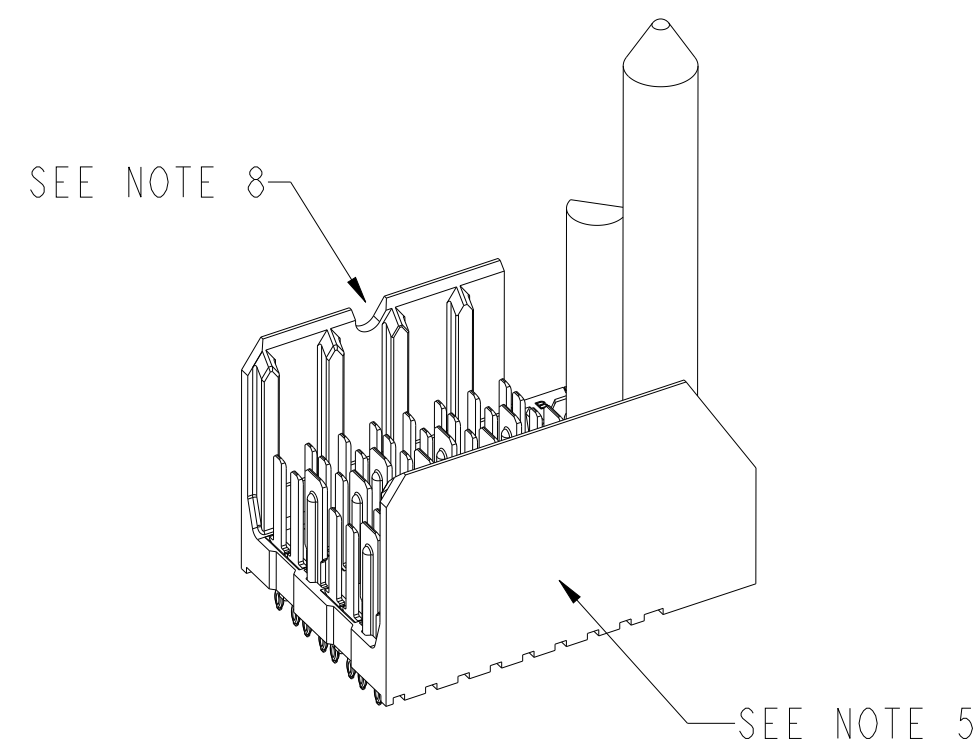
spec ref	SEE NOTES	dr	Kok-Hoe Lee	2010/06/25	projection	MM	size	A2	scale	4:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Michael Song	2017/05/24			ecn no	ELX-DG-27080-1		
ASME Y14.5		chr	Stone Li	2017/06/05			rel level	Released		
		appr	Heaven Cen	2017/06/05	product family					
surface	linear	0.X	±0.2		Amphenol FCi		MODULE ASSEMBLY VERTICAL HEADER, 8-COLUMN, 2-PAIR		dwg no 10113949	
		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	rev H

PDS: Rev :H

STATUS:Released

Printed: Jun 05, 2017

RIGHT POLARIZING/GUIDE MODULE

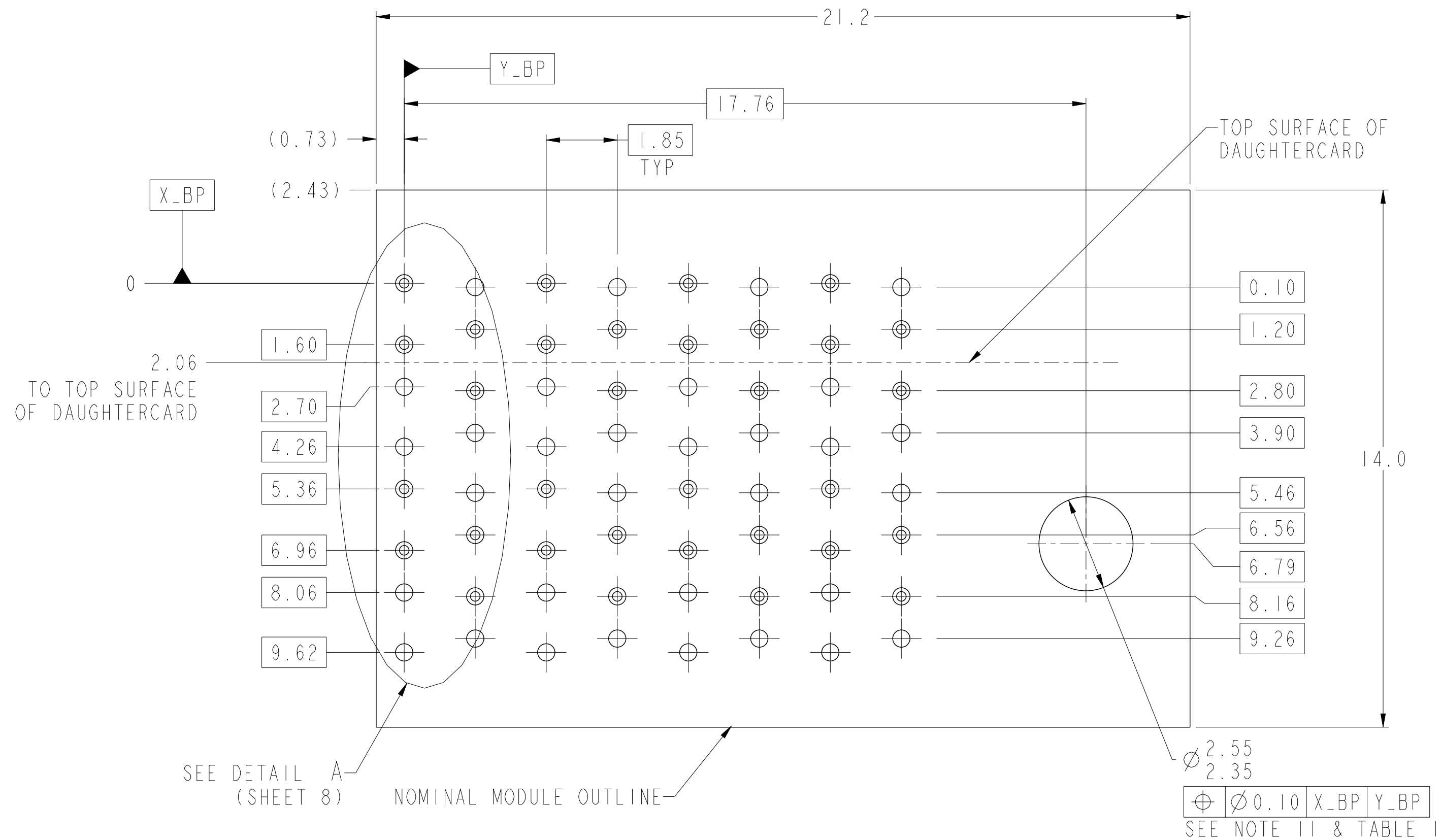
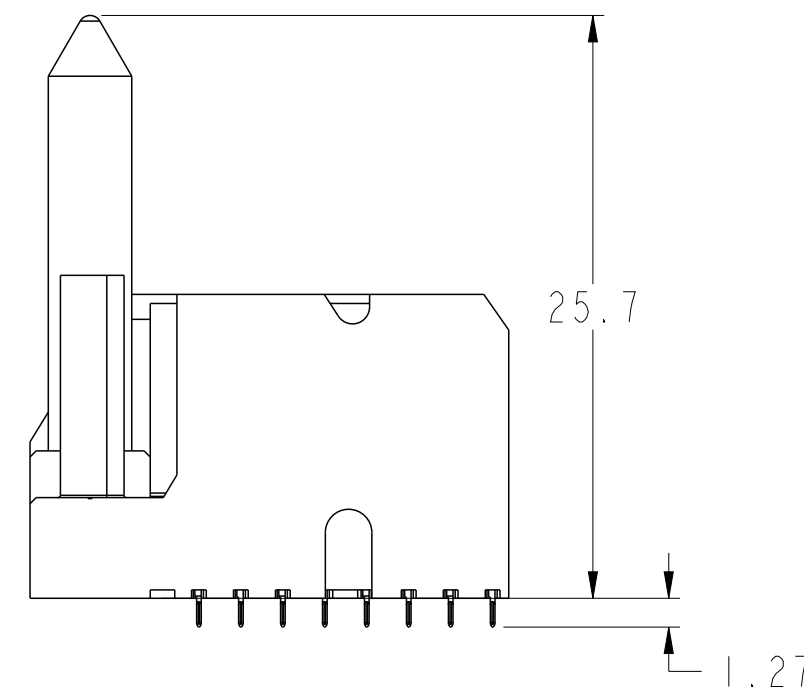
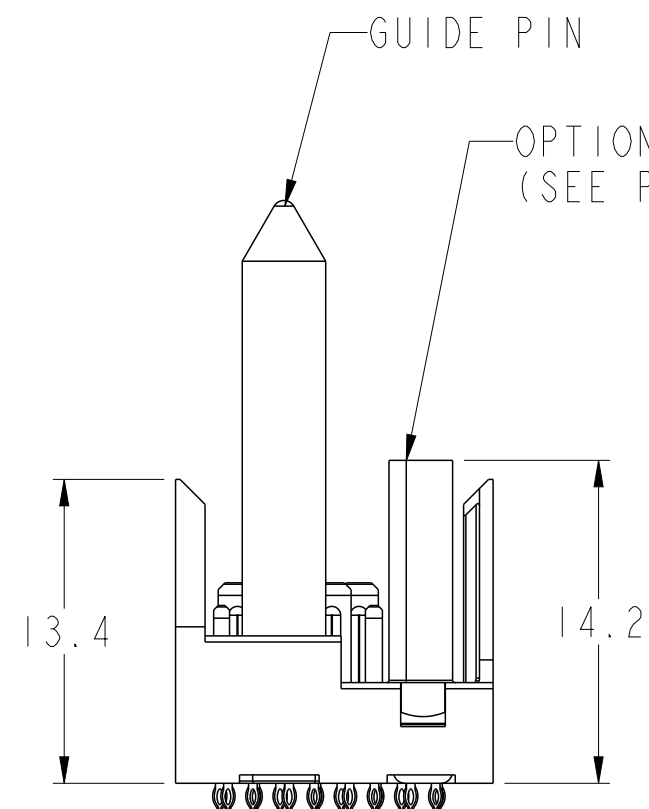
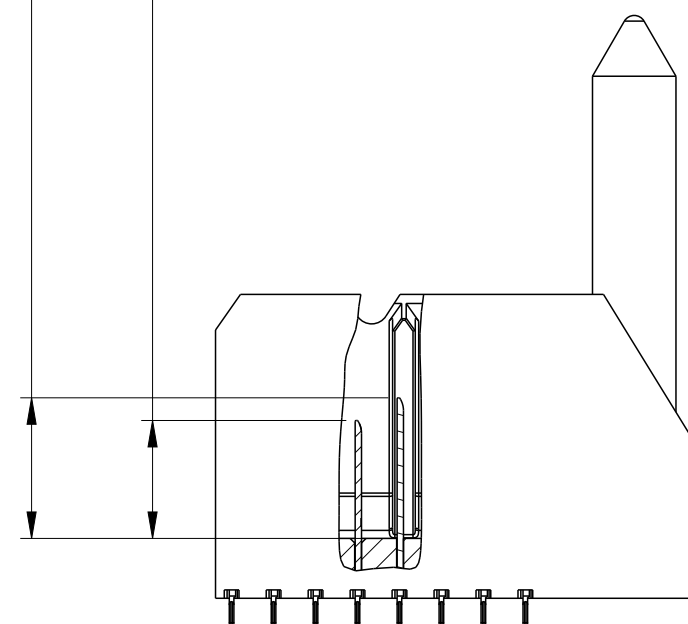


SCALE 3:1

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)



PCB HOLE PATTERN
COMPONENT SIDE
SCALE 10:1

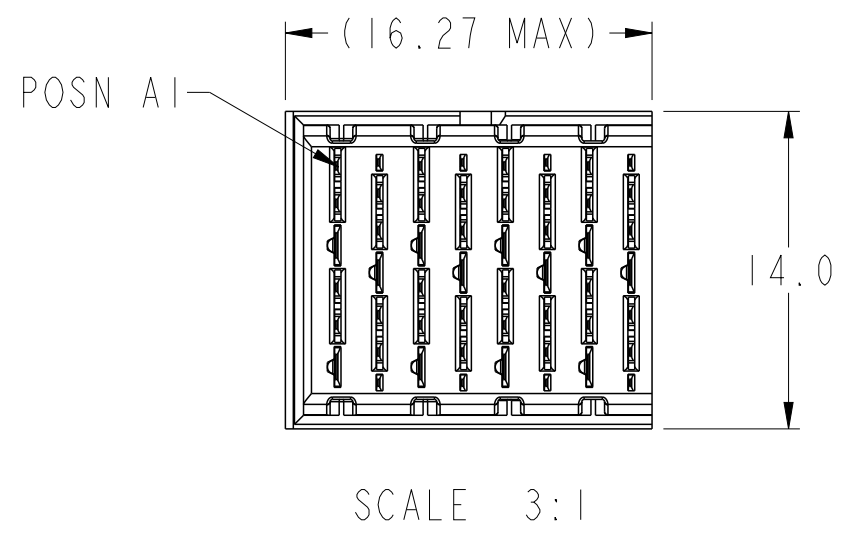
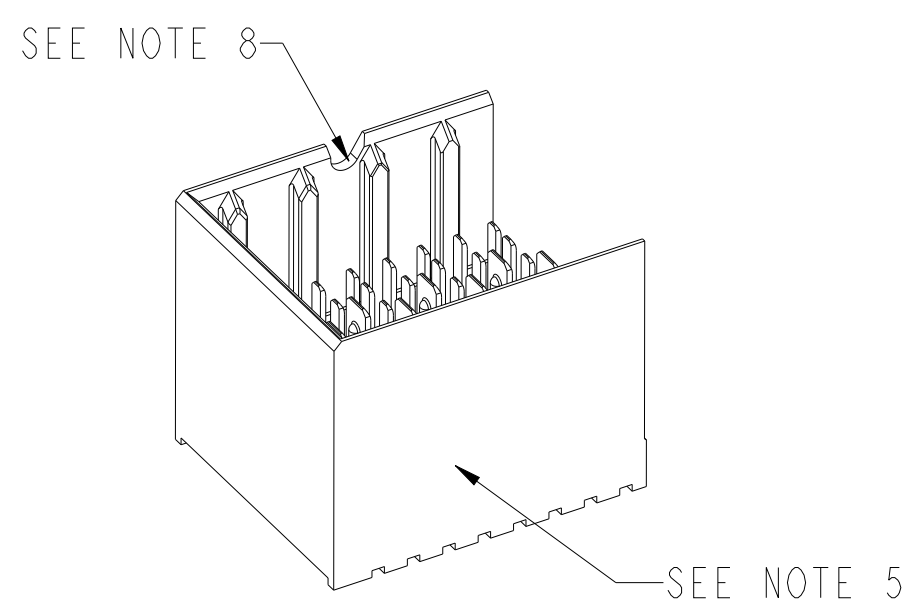
spec ref		SEE NOTES		dr		Kok-Hoe Lee		2010/06/25		projection				size		A2		scale		4:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Michael Song		2017/05/24						ecn no		ELX-DG-27080-1					
ASME Y14.5				chr		Stone Li		2017/06/05						rel level		Released					
				appr		Heaven Cen		2017/06/05		product family		-									
surface		linear		Ampheon FCI		title		MODULE ASSEMBLY				dwg no		10113949		rev		H			
		0.X																		±0.2	
		0.XX																		±0.10	
ASME Y14.5		angular						cat. no.		SEE P/N TREE		Product - Customer Drw		sheet 4 of 8							

PDS: Rev :H

STATUS:Released

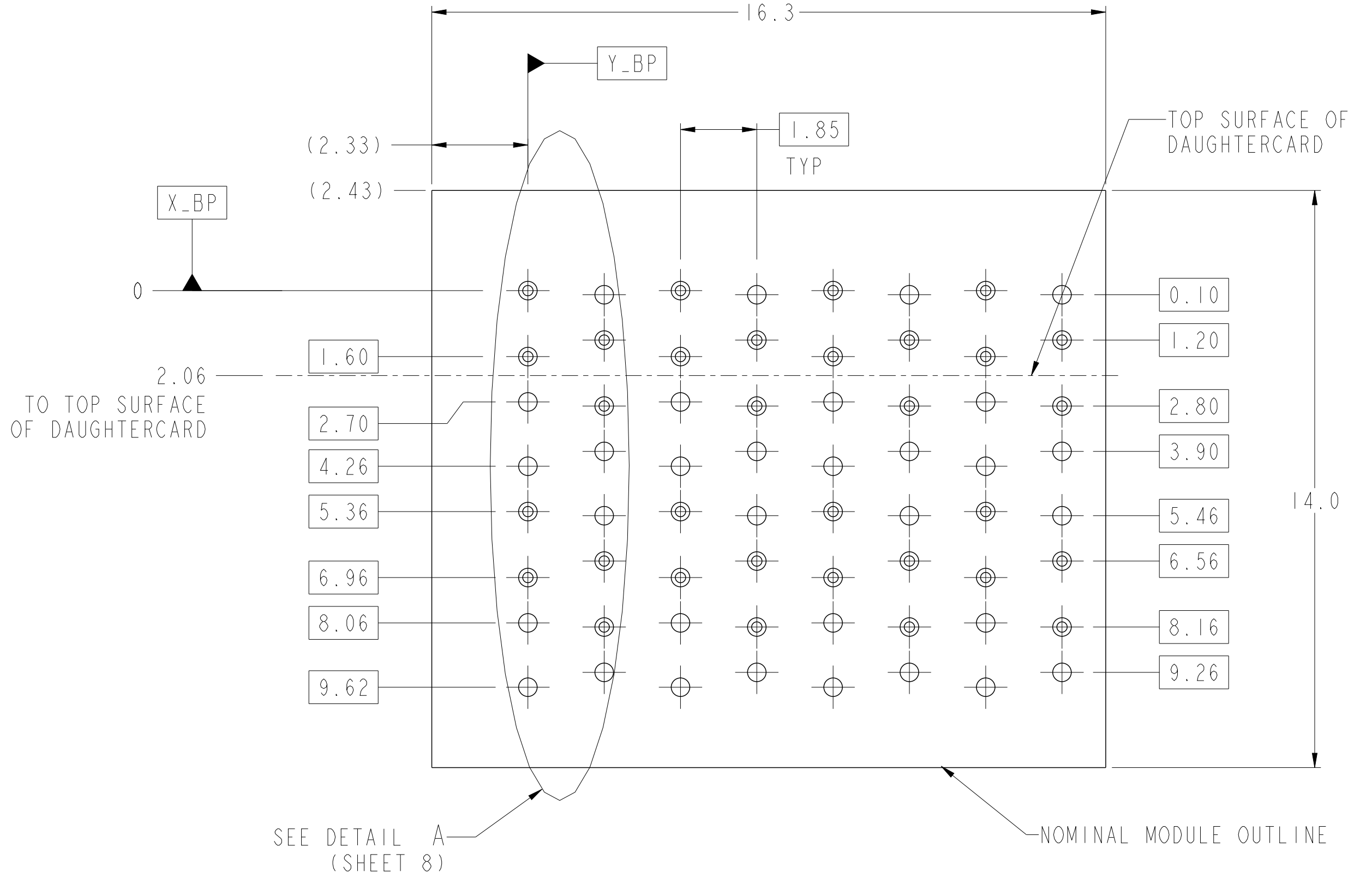
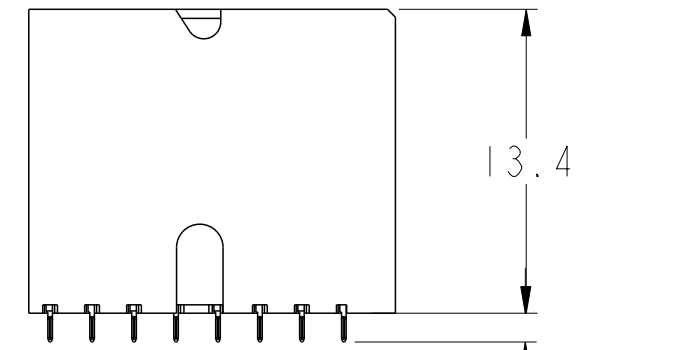
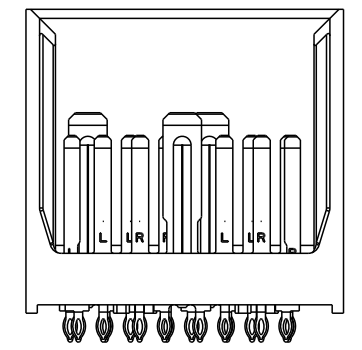
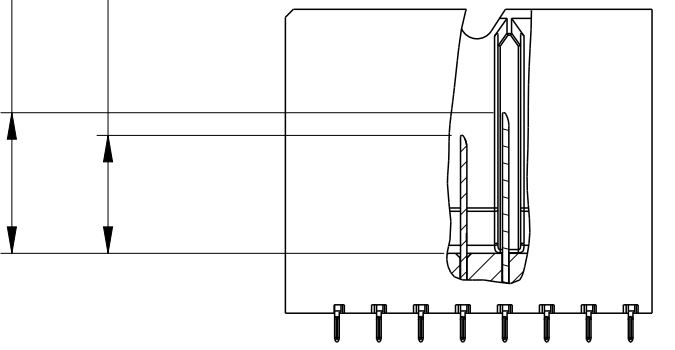
Printed: Jun 05, 2017

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)

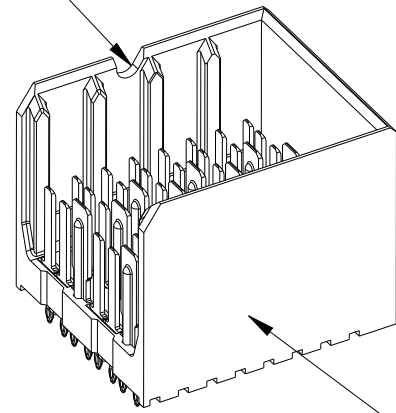
(SEE P/N TREE FOR
ALL COMBINATIONS AVAILABLE)



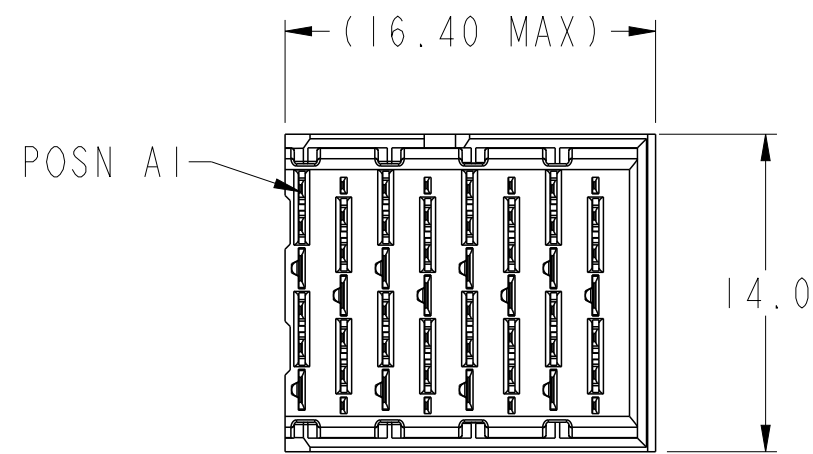
spec ref	SEE NOTES	dr	Kok-Hoe Lee	2010/06/25	projection	MM	size	A2	scale	6:1
tolerance std	ASME Y14.5	eng	Michael Song	2017/05/24	chr	Stone Li	2017/06/05	ecn no	ELX-DG-27080-1	
		appr	Heaven Cen	2017/06/05	product family	-	rel level	Released		
surface	linear	0.X	±0.2	0.XX	±0.10	0.XXX	±0.050	angular	0°	±°
ASME Y14.5										
MODULE ASSEMBLY		title		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 5 of 8				

RIGHT WALL MODULE

SEE NOTE 8



SEE NOTE 5

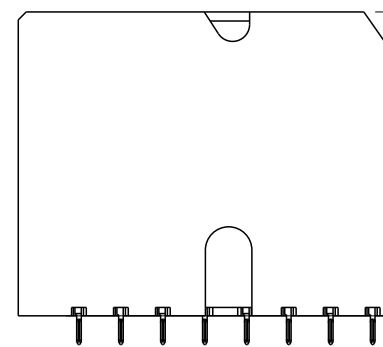
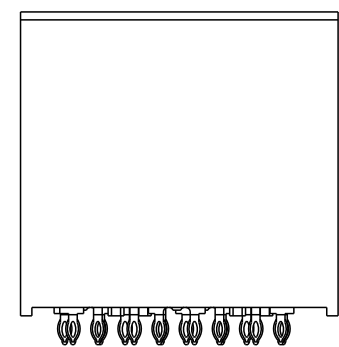
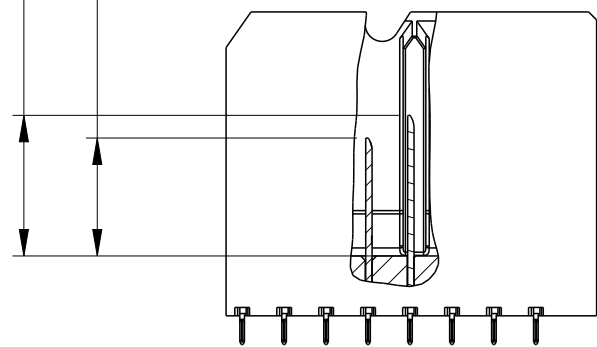


SCALE 3:1

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

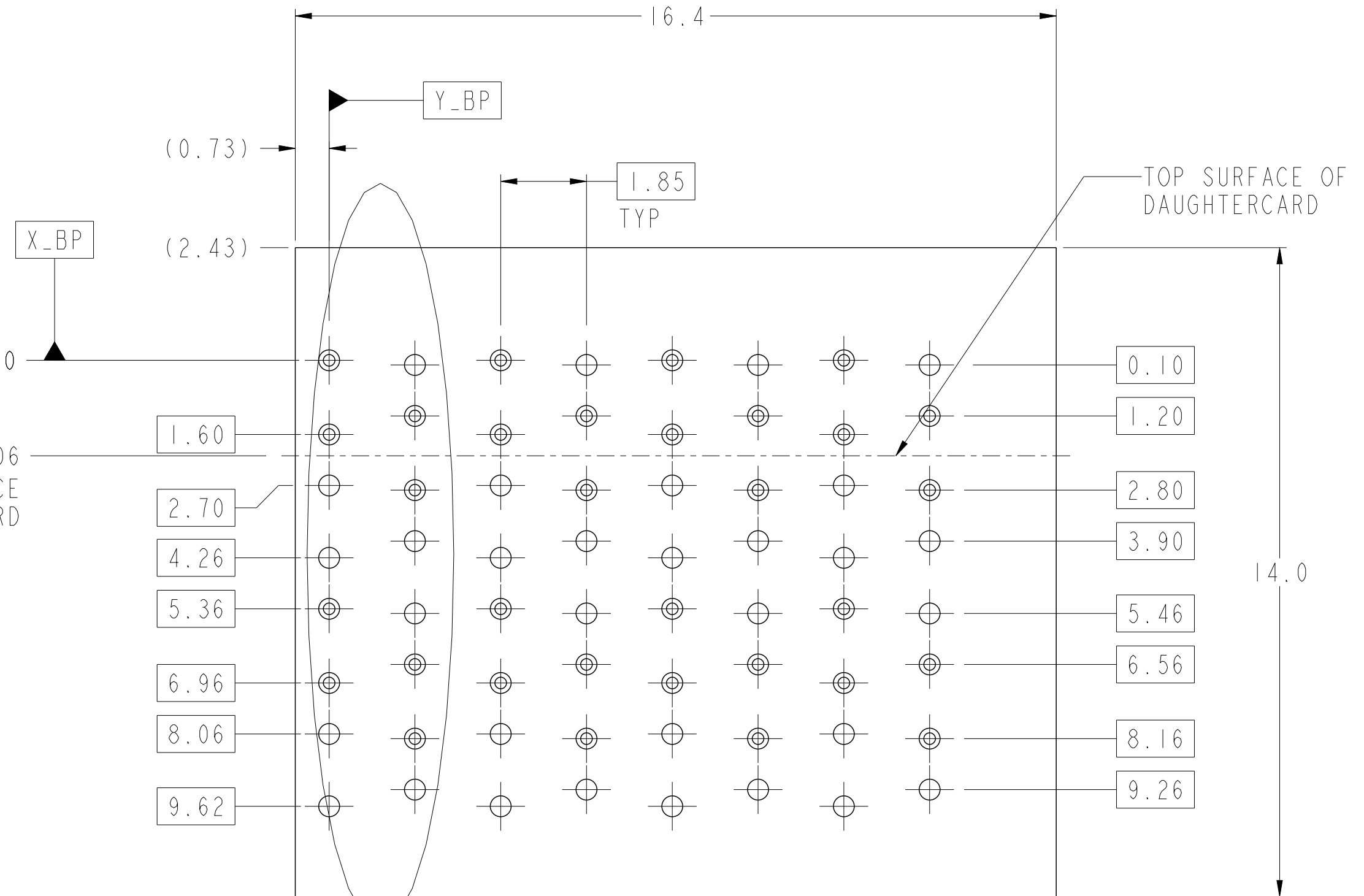
5.2 (3MM SMALL END GROUNDS)
5.2 (3MM WIPE SIGNALS)
4.2 (2MM WIPE SIGNALS)

(SEE P/N TREE FOR
ALL COMBINATIONS AVAILABLE)



13.4

1.27



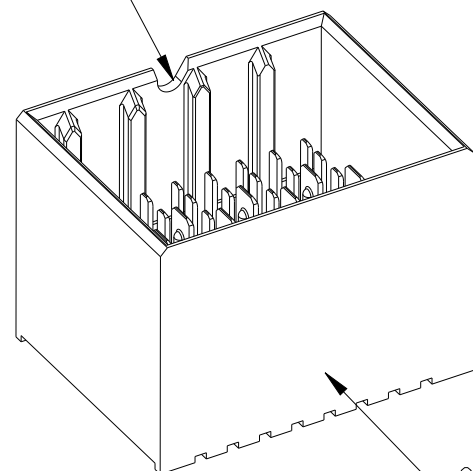
SEE DETAIL A
(SHEET 8)

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								
			appr	Heaven Cen	2017/06/05	product family		-	rel level	Released			
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		

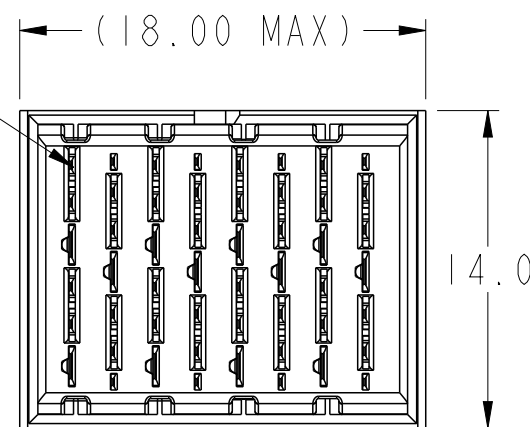
FOUR WALL MODULE

SEE NOTE 8



SEE NOTE 5

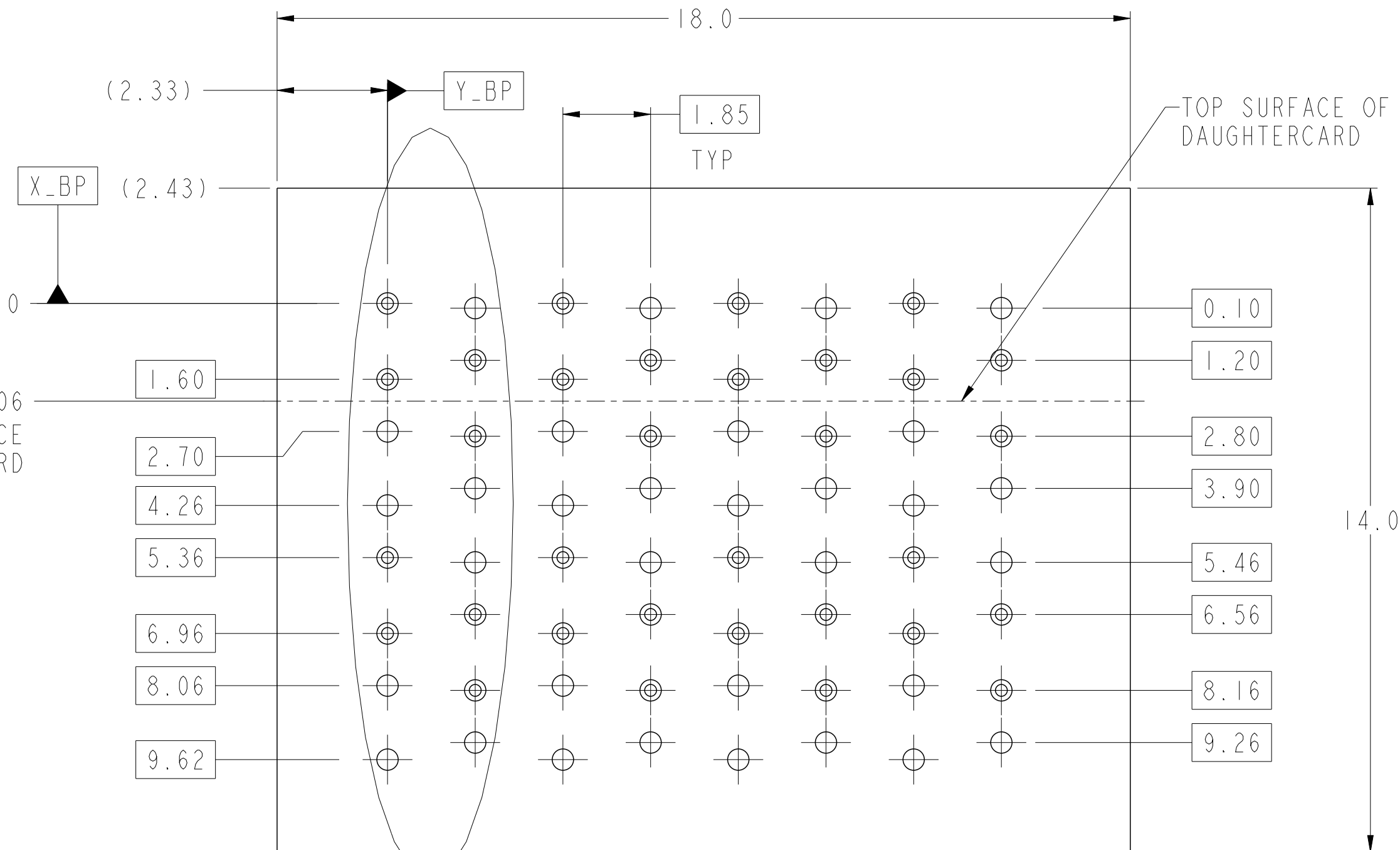
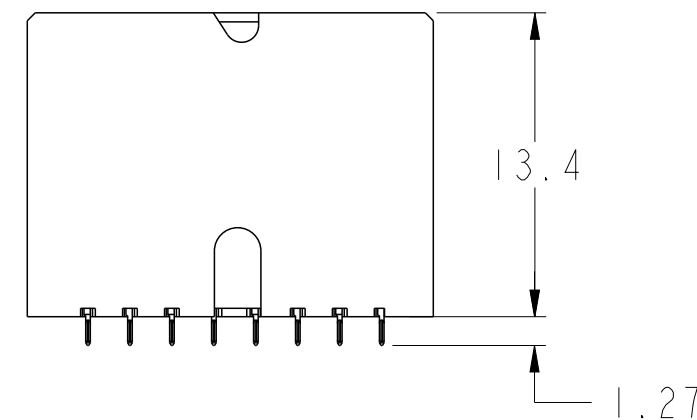
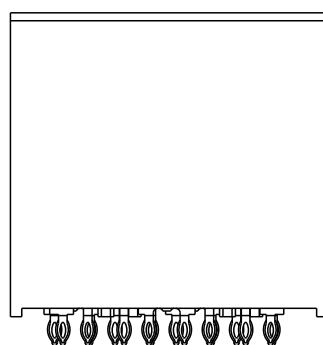
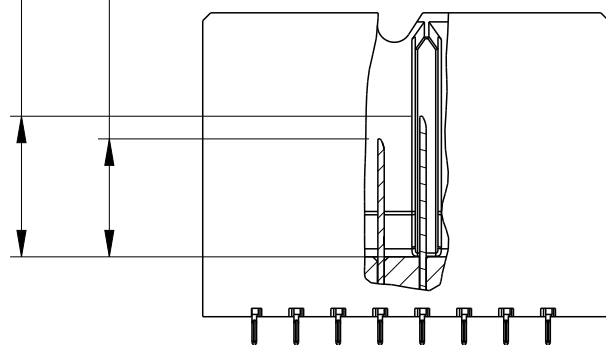
POSN A1



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		Released	
				appr		Heaven Cen		2017/06/05																	
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°		±0°				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.

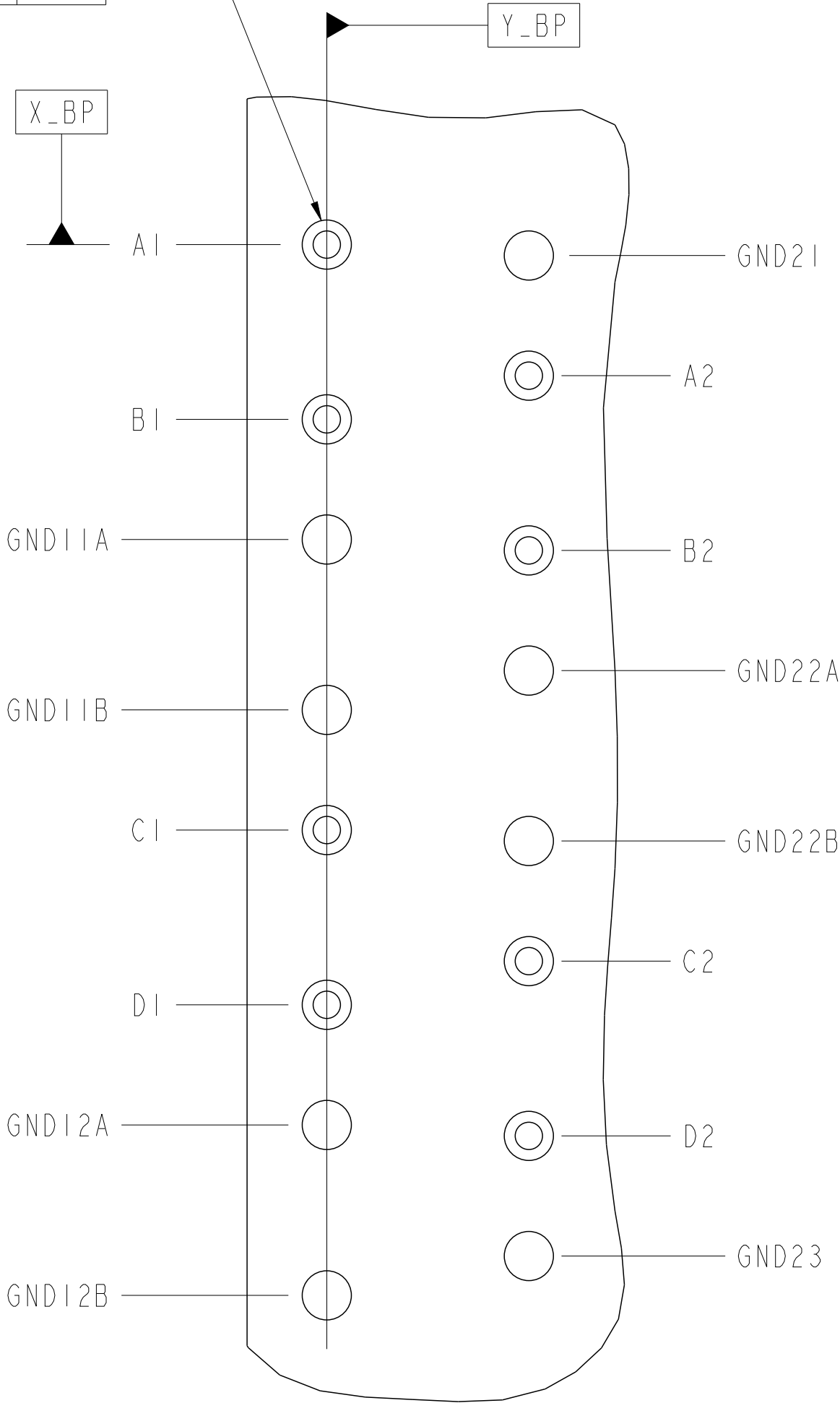
PRESS-FIT TAILS: TIN OVER NICKEL, OR TIN-LEAD ALLOY OVER NICKEL. SEE P/N TREE.
- PRODUCT SPECIFICATION: GS-12-588
- APPLICATION SPECIFICATION: GS-20-121
- PRODUCT MARKING (PART NUMBER AND LOT CODE) ON THESE SURFACES.
- HOUSING MUST WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 40 SECONDS IN A CONVECTION, 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			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	0.X	±0.2		title	MODULE ASSEMBLY VERTICAL HEADER, 8-COLUMN, 2-PAIR			dwg no	10113949		rev
		0.XX	±0.10									
		0.XXX	±0.050									
ASME Y14.5	angular	0°	±°	www.fci.com	cat. no.	SEE P/N TREE	Product - Customer Drw			sheet 8 of 8		