

10119189 - X0C - XXXLF

LEAD-FREE DESIGNATION
ONLY WITH APPLICABLE
PLATING CODES

6-COLUMN
DIFFERENTIAL
SIGNAL

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

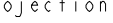
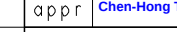
NUMBER	GUIDE PIN STYLE, HEIGHT
0	STANDARD GUIDE PIN MACHINED, 31.6mm
4	STANDARD GUIDE PIN MACHINED, 25.7mm

NUMBER	CONTACT MATING WIPE LENGTH		COMPLIANT PIN DRILL SIZE
	SIGNAL	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" PHILIPS PANHEAD W/SQ CONICAL WASHER	1.60 - 5.00
10091790-003LF	#2.56 X .500" PHILIPS PANHEAD W/SQ CONICAL WASHER	5.00 - 10.00

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 (ONE)										

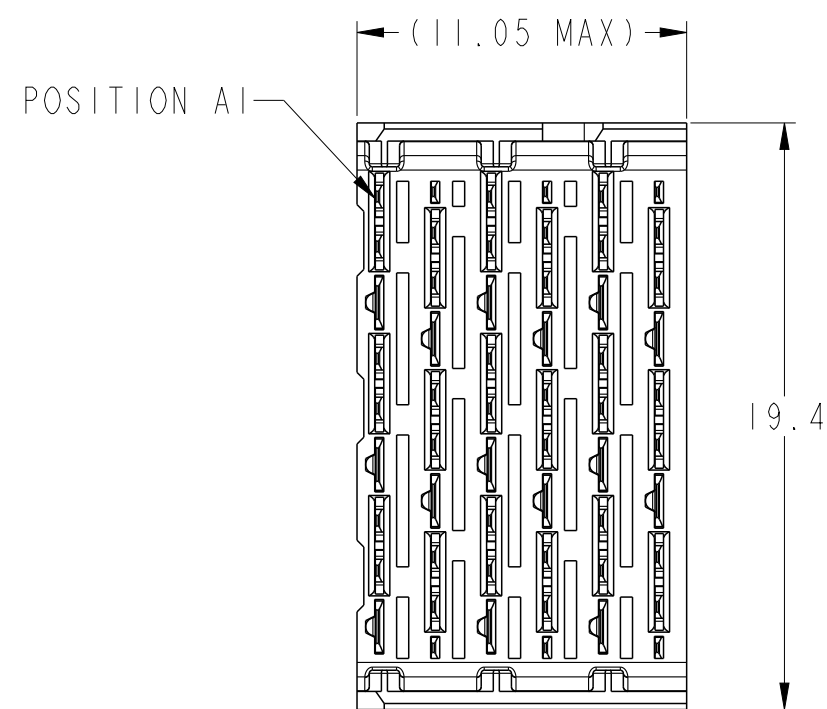
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tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Sandar Soe	2014/10/02			ecn no	ELX-S-18843-1			
ASME Y14.5		chr	-	-							
appr					Chen-Hong Tan	2014/12/10	product family		XCEDE	rel level	Released
surface 	linear	0.X	±0.2		title	MODULE ASSEMBLY	dwg no	10119189	rev	B	
		0.XX	±0.10								
		0.XXX	±0.050								
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw		sheet 1 of 8		

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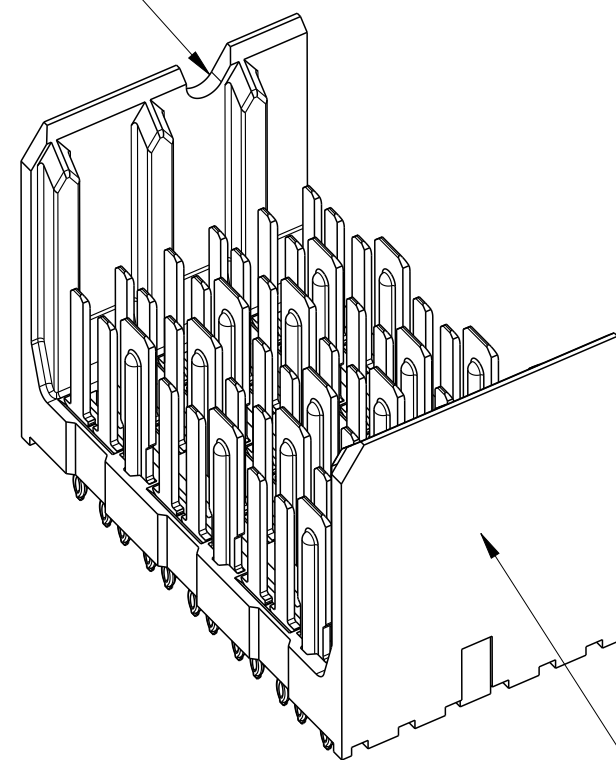
STATUS:Released

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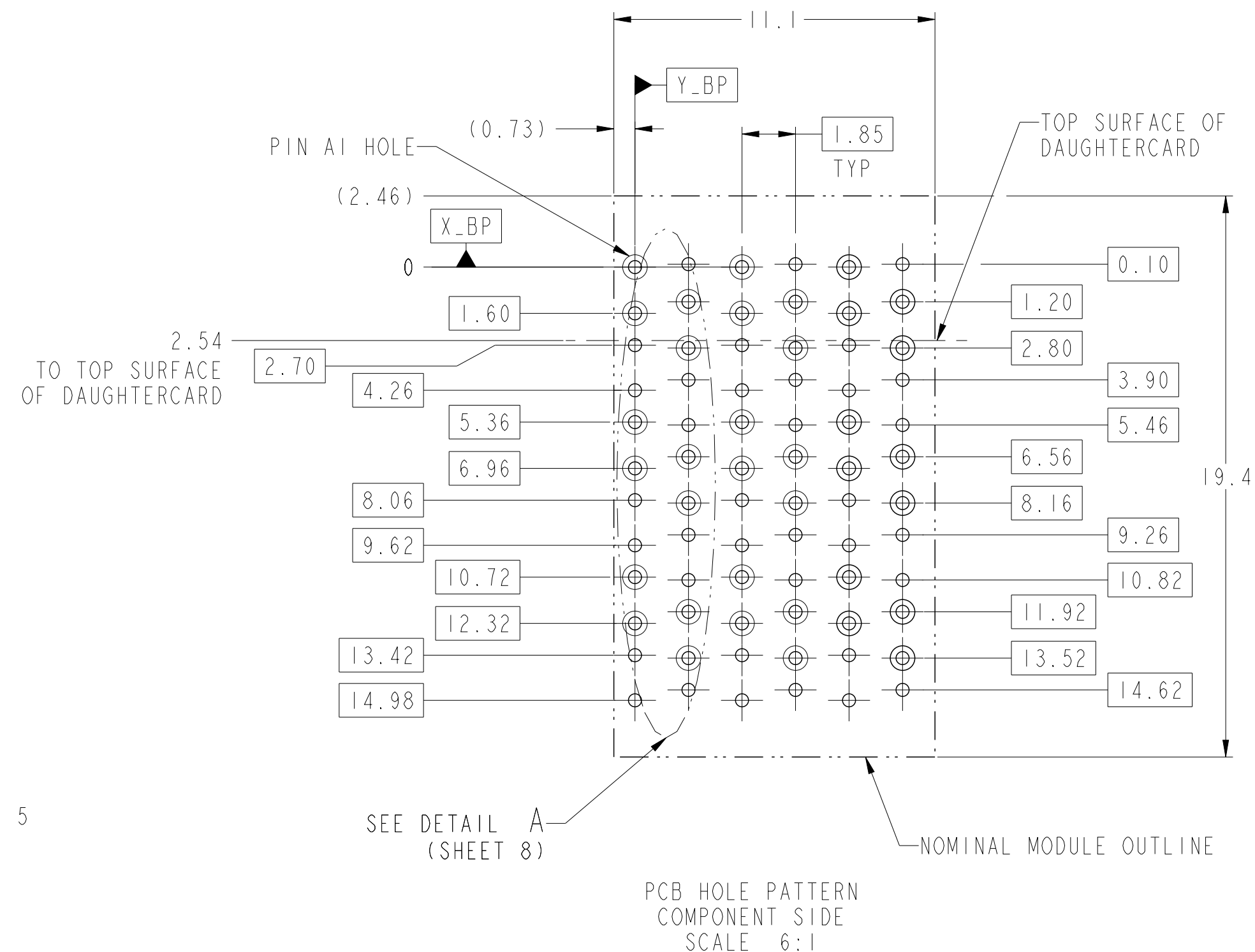
OPEN (2- WALL) MODULE



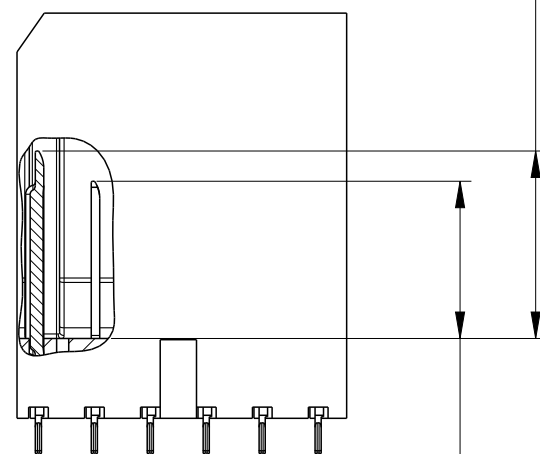
SEE NOTE 8



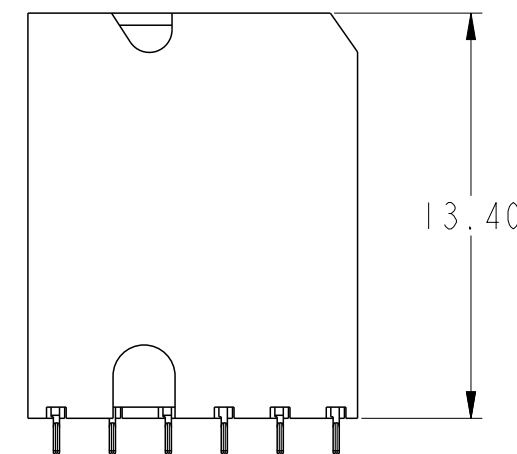
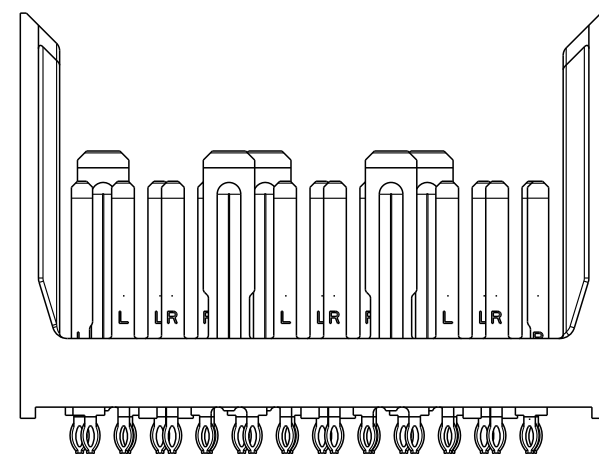
SEE NOTE 5



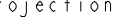
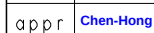
6.2 (4MM WIPE WIDE GROUNDS)
5.2 (3MM WIPE WIDE GROUNDS)



5.2 (3MM SMALL END GROUNDS)
5.2 (3MM WIPE SIGNALS)
4.2 (2MM WIPE SIGNALS)
SEE P/N TREE



TAIL LENGTH
SEE NOTE 12

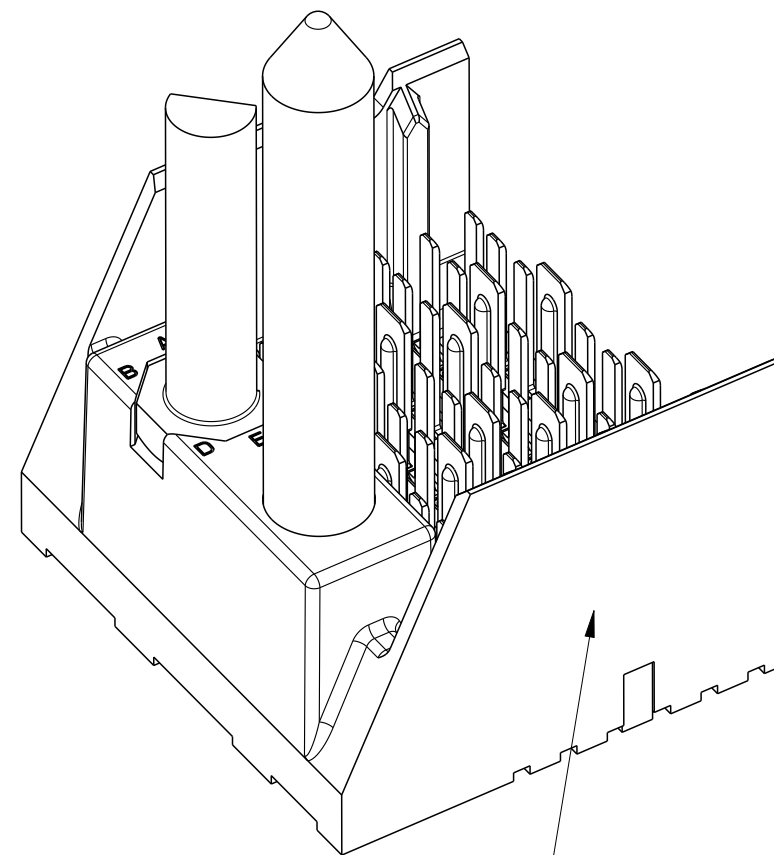
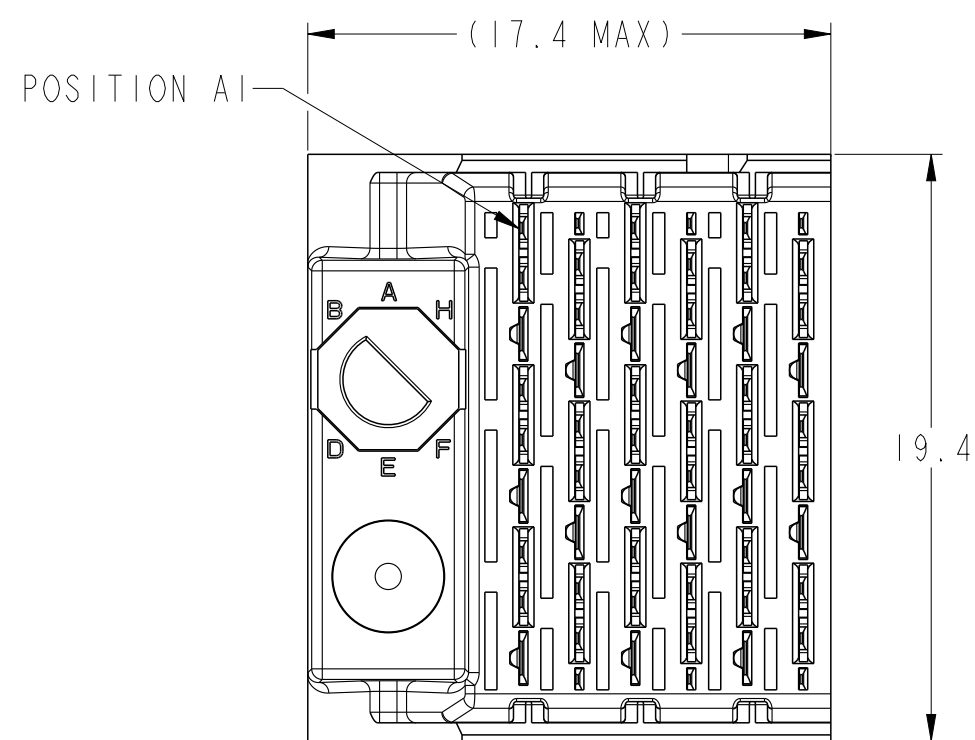
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tolerance std		-	eng		Sandar Soe	2014/10/02					ecn no	ELX-S-18843-1			
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED	chr		-	-					rel level			Released	
			appr		Chen-Hong Tan	2014/12/10	product family		XCEDE						
surface		linear	0.X	±0.2		title	MODULE ASSEMBLY				dwg no	10119189		rev	B
			0.XX	±0.10											
			0.XXX	±0.050											
ASME Y14.5		angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw				sheet 2 of 8			

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LEFT POLARIZING/GUIDE MODULE



SEE NOTE 5

2.54
TO TOP SURFACE
OF DAUGHTERCARD

PIN AI HOLE

(2.46)

X_BP

0

1.60

2.70

4.26

5.36

6.96

8.06

9.62

10.72

11.495

12.32

13.42

14.98

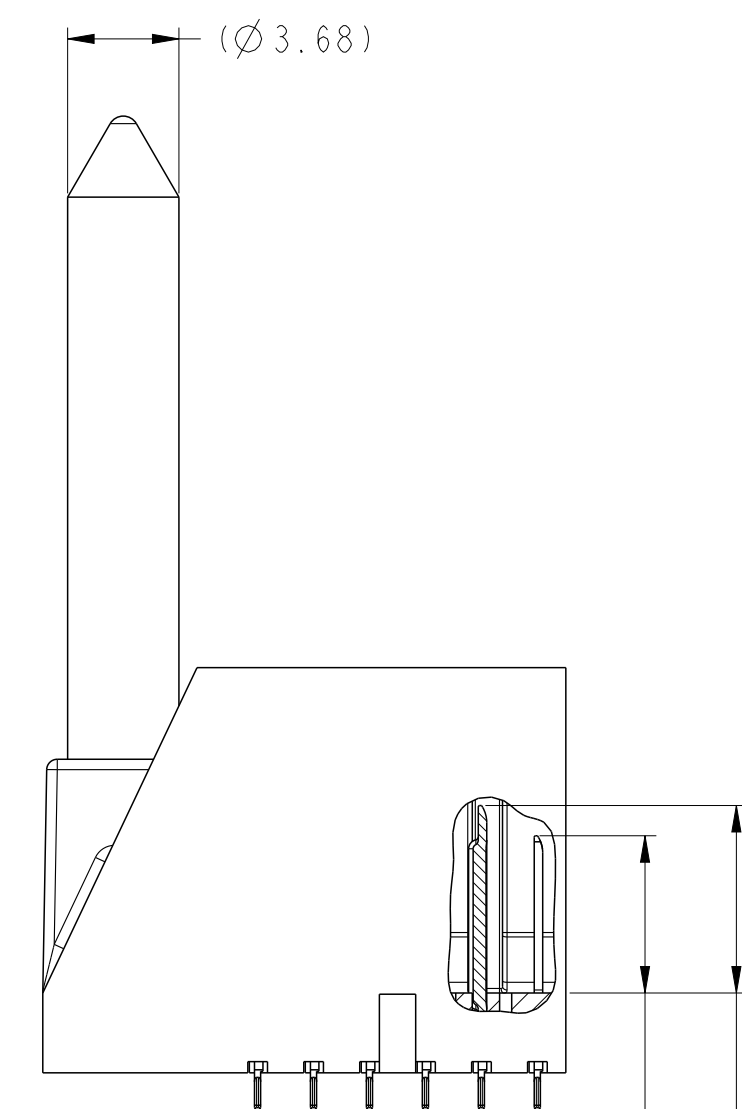
Ø 2.55
2.35

SEE NOTE 11 & TABLE 1

SEE DETAIL A
(SHEET 8)

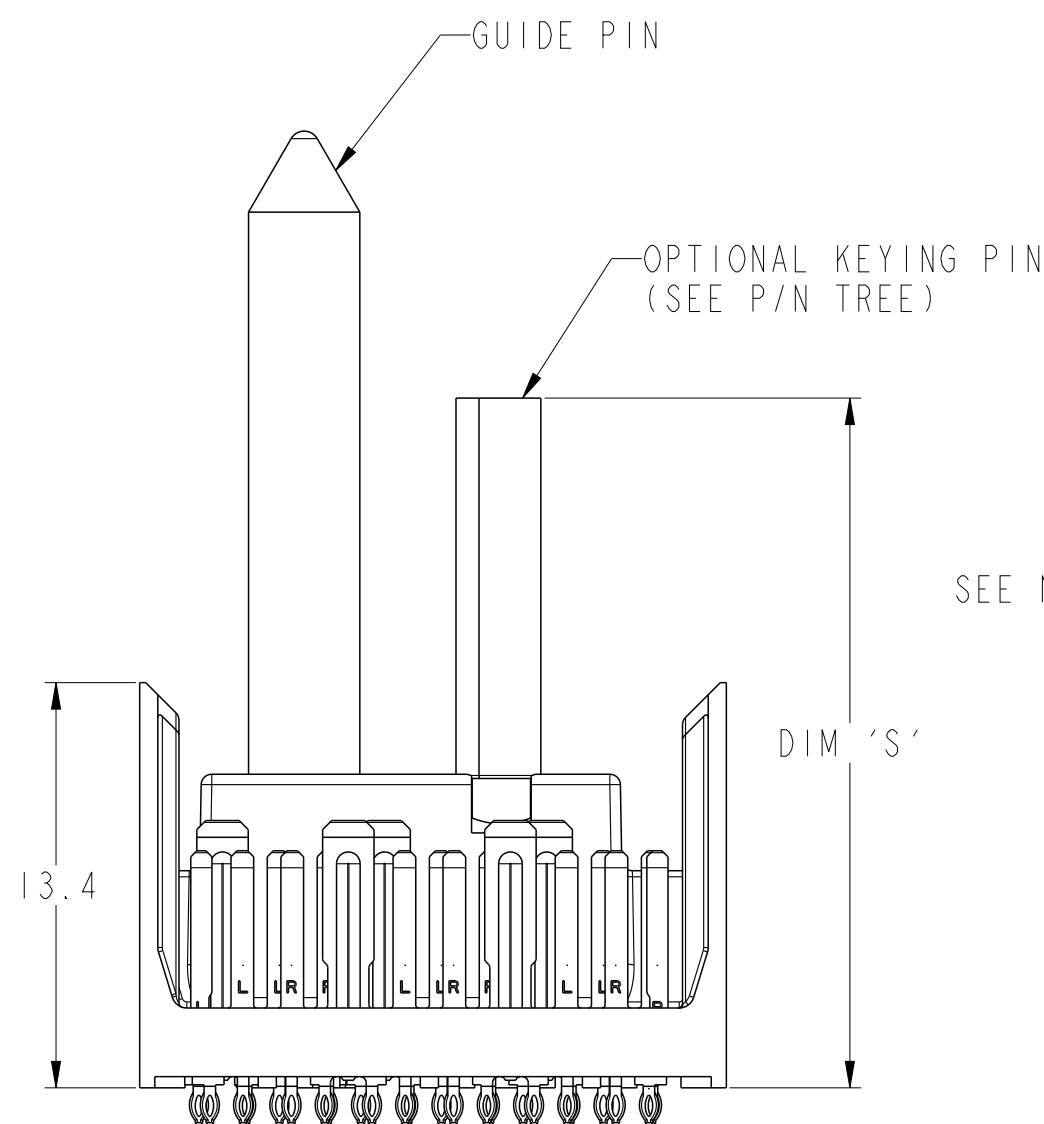
PCB HOLE PATTERN
COMPONENT SIDE
SCALE 6:1

NOMINAL MODULE OUTLINE



5.2 (3MM SMALL END GROUNDS)
5.2 (3MM WIPE SIGNALS)
4.2 (2MM WIPE SIGNALS)
SEE P/N TREE

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



SEE NOTE 8

DIM 'R'

TAIL LENGTH
SEE NOTE 12

ASSEMBLY BASE CONFIGURATION END DASH NO.	GUIDE PIN	POLARIZING KEY
	DIM 'R'	DIM 'S'
-X0X	31.6mm	22.8mm
-X4X	25.7mm	20.0mm

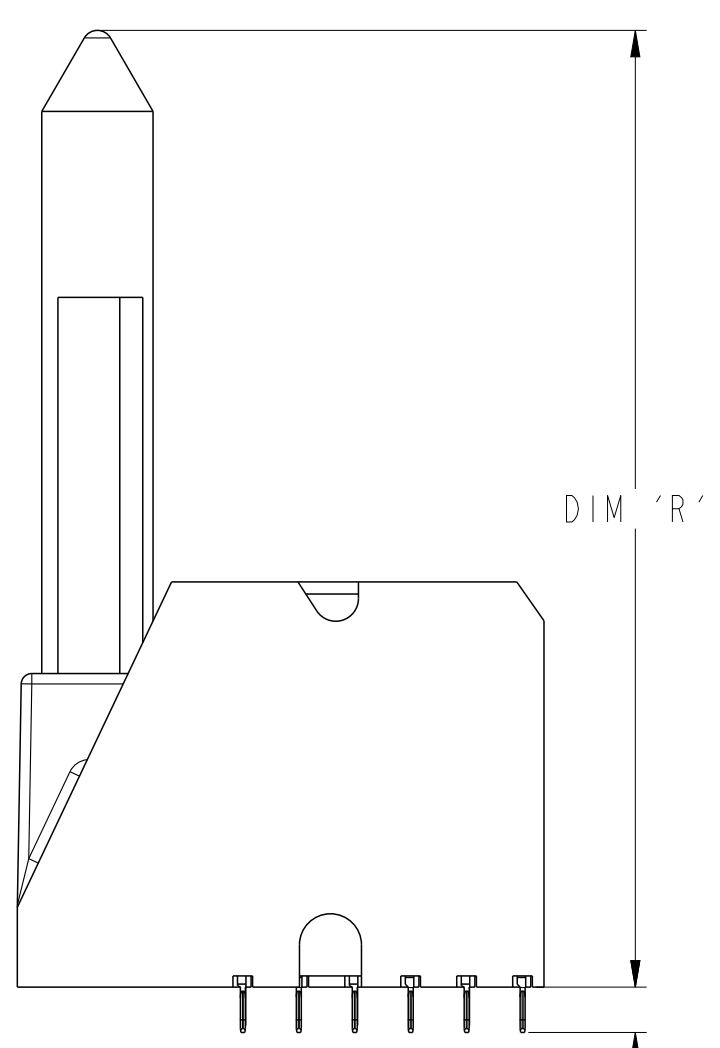
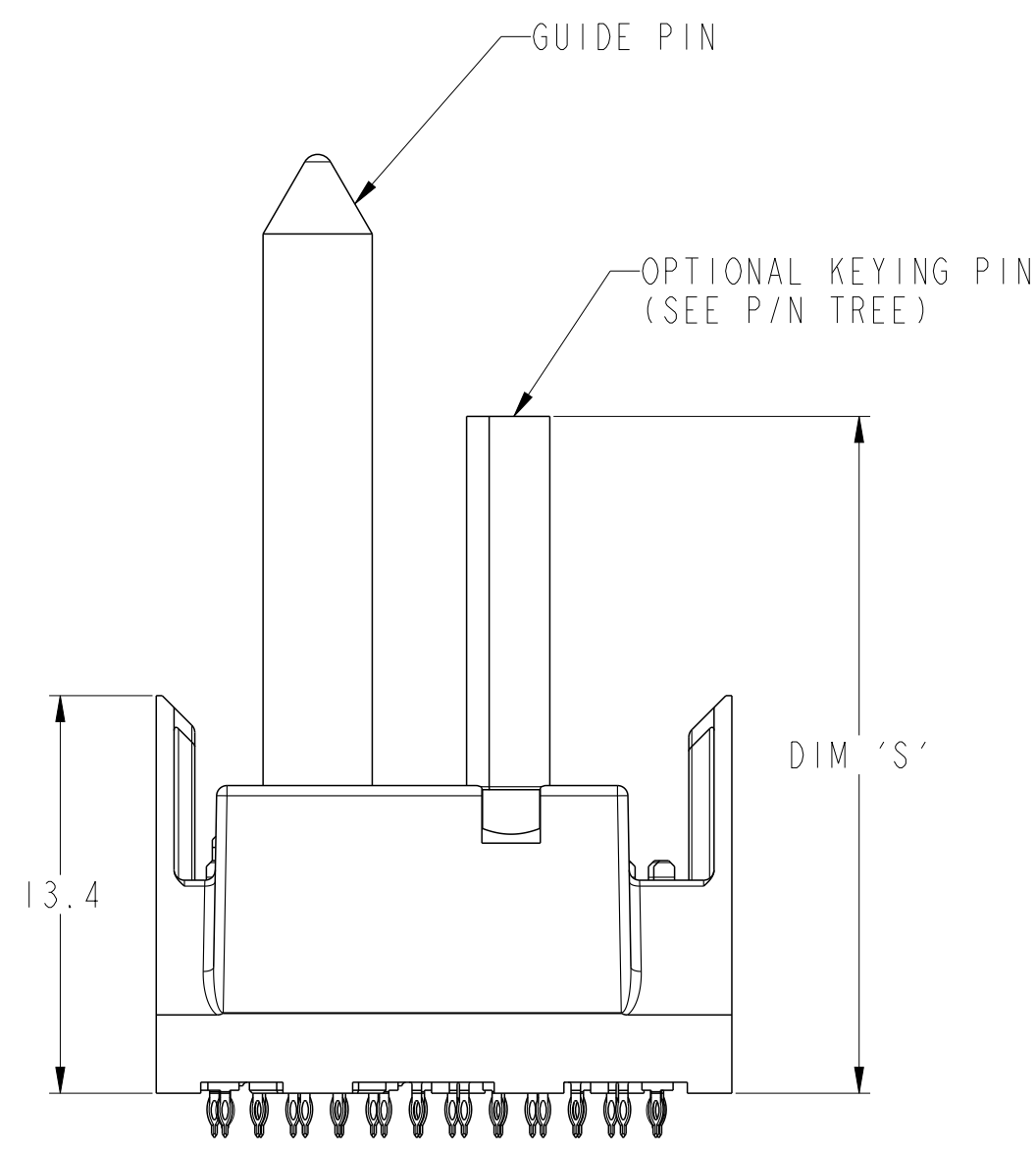
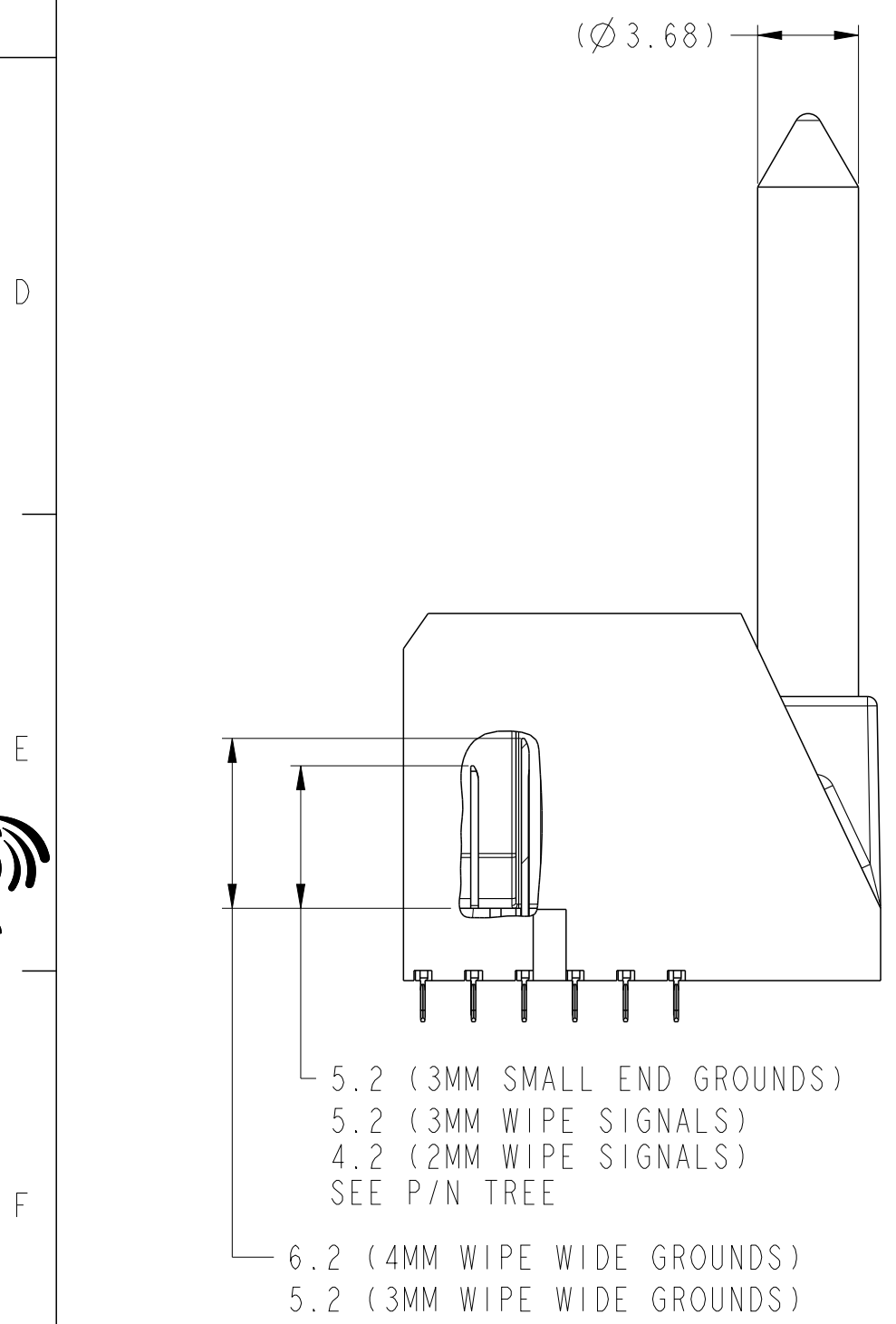
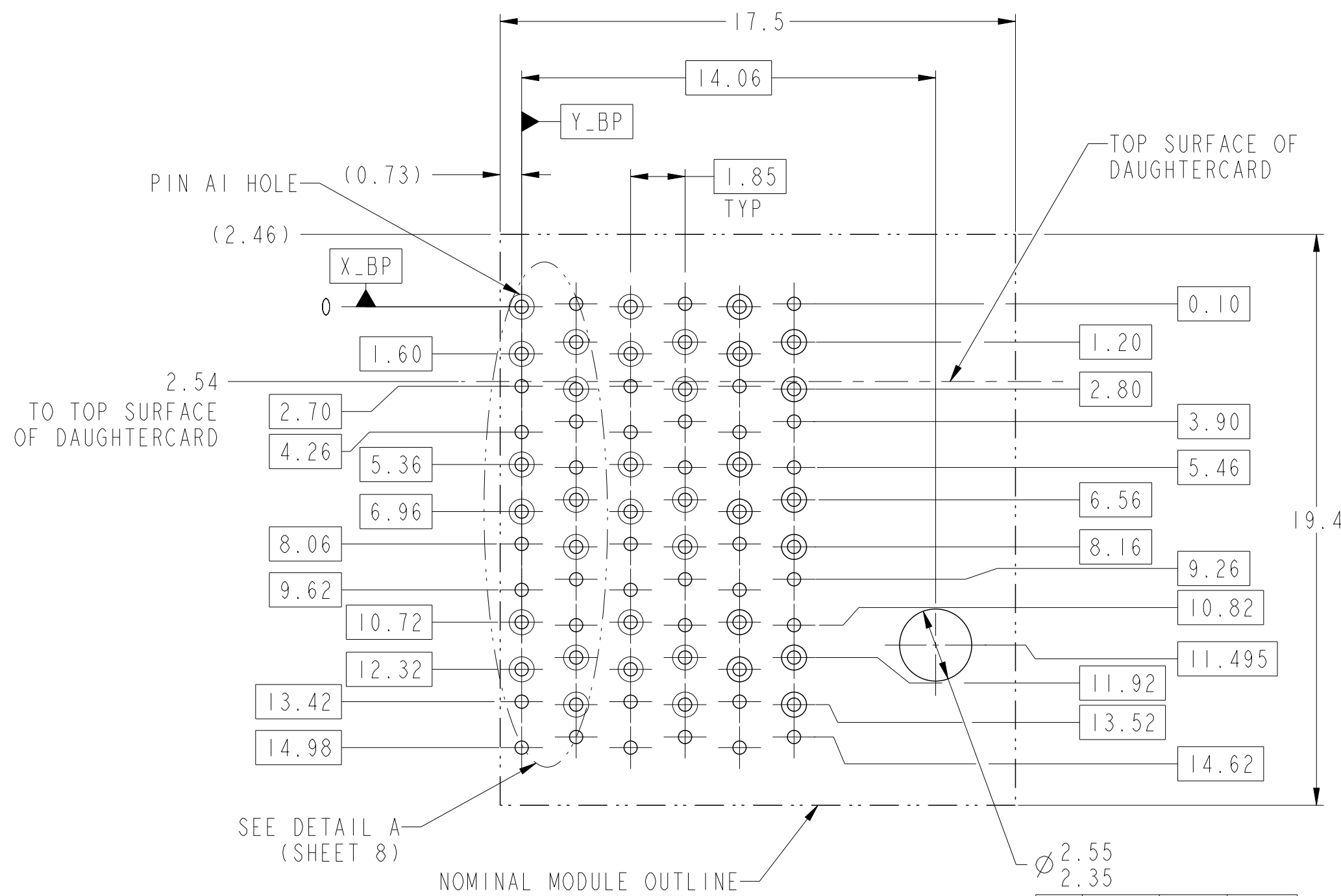
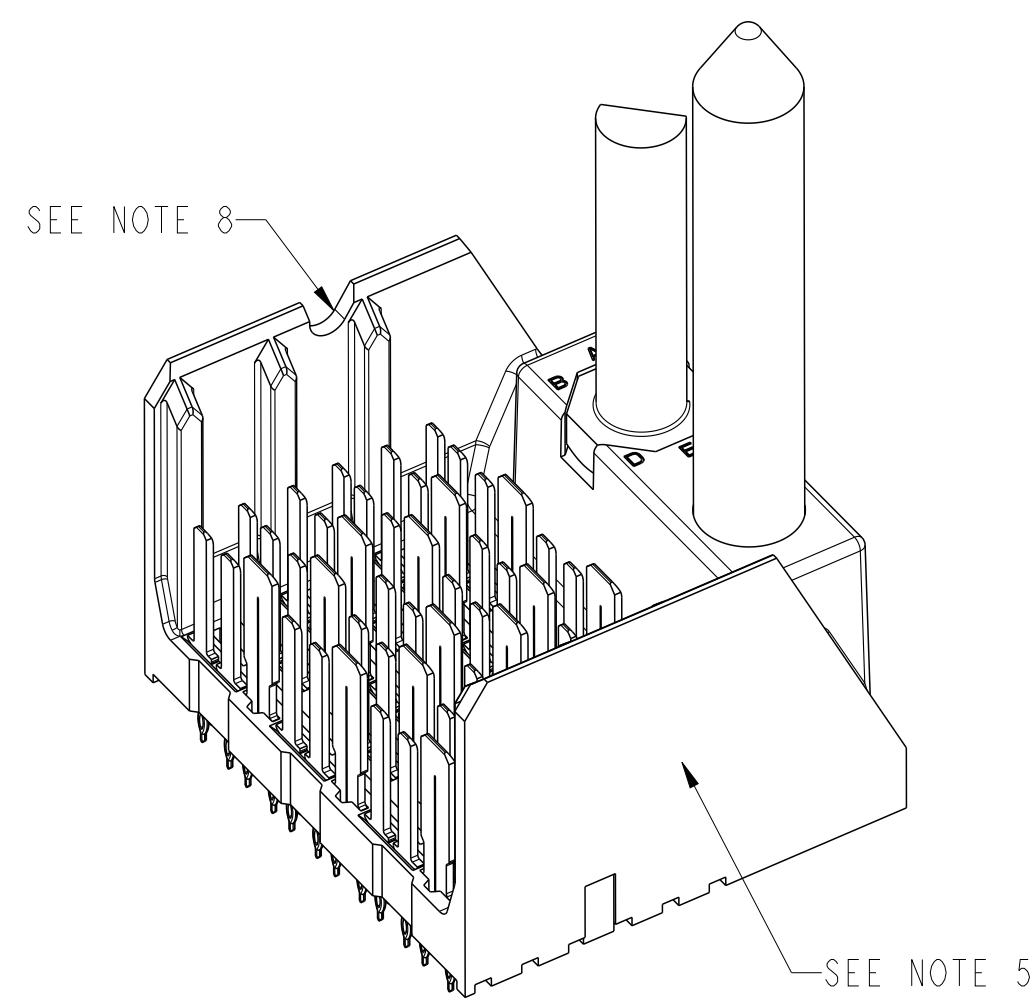
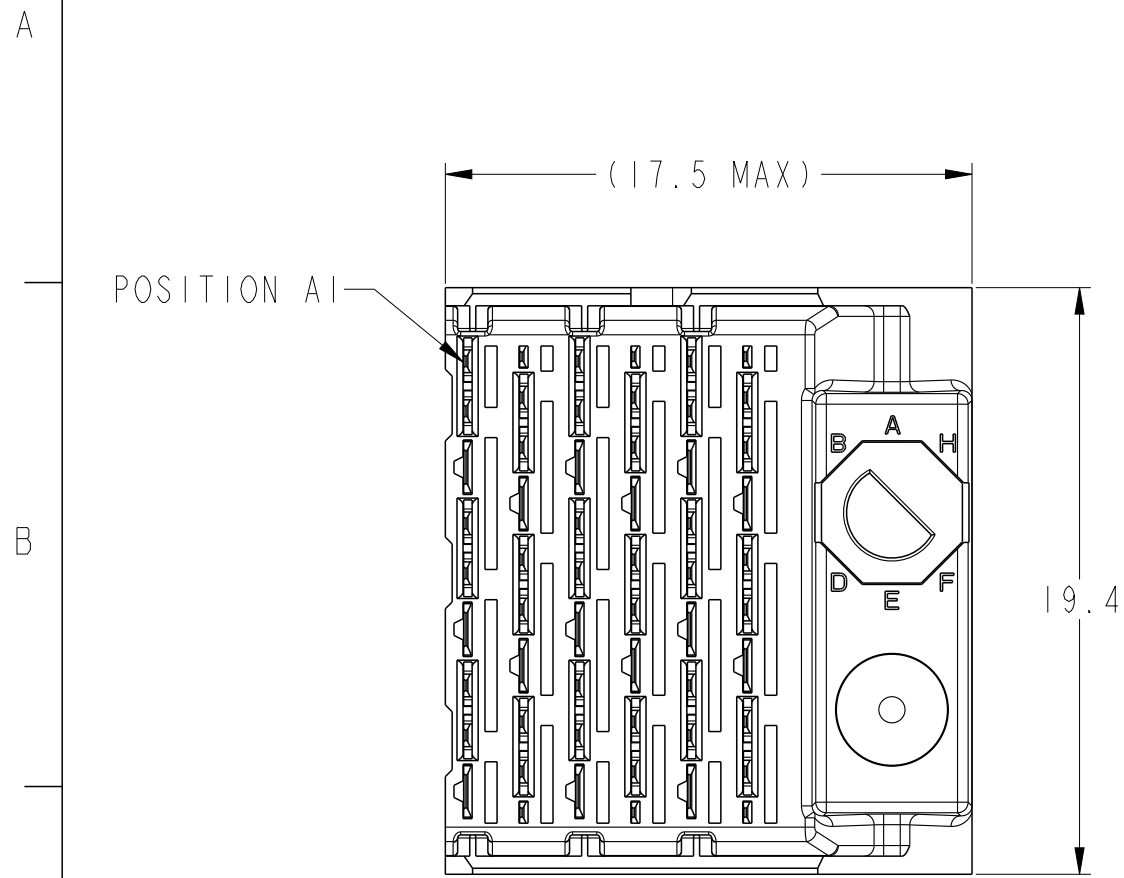
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tolerance std		-		eng		Sandar Soe		2014/10/02						ecn no		ELX-S-18843-1		rel level		Released	
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		-													
				appr		Chen-Hong Tan		2014/12/10		product family		XCEDE									
surface		✓		linear				title		MODULE ASSEMBLY		dwg no		10119189		rev		B			
		0.X		±0.2																	
		0.XX		±0.10																	
ASME Y14.5				0.XXX		±0.050															
		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw				sheet 3 of 8			

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RIGHT POLARIZING/GUIDE MODULE



ASSEMBLY BASE CONFIGURATION END DASH NO.	GUIDE PIN	POLARIZING KEY
	DIM 'R'	DIM 'S'
-X0X	31.6mm	22.8mm
-X4X	25.7mm	20.0mm

spec ref		-		dr		Roger Ng		2011/11/22		projection		MM		size		A2		scale		4:1					
tolerance std		-		eng		Sandar Soe		2014/10/02						ecn no		ELX-S-18843-1		rel level		Released					
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		-																	
				appr		Chen-Hong Tan		2014/12/10														product family		XCEDE	
surface		✓		linear		0.X		±0.2				title		MODULE ASSEMBLY		dwg no		10119189		rev		B			
				0.XX		±0.10		0.XXX																±0.050	
ASME Y14.5		angular		0°		±2°																			
				www.fci.com				cat. no.		-		Product - Customer Drw						sheet 4 of 8							

LEFT WALL MODULE

A

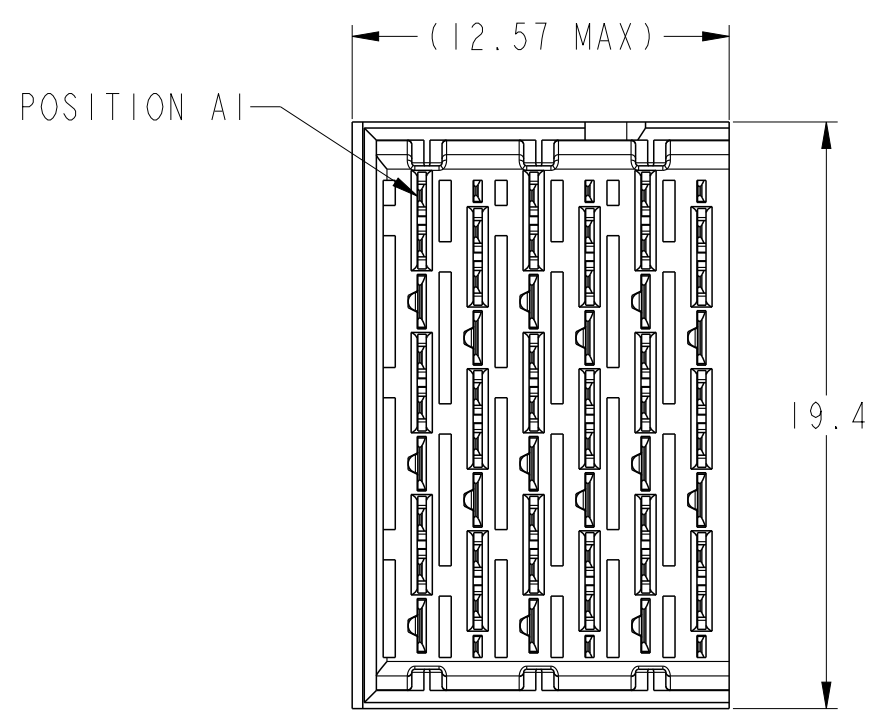
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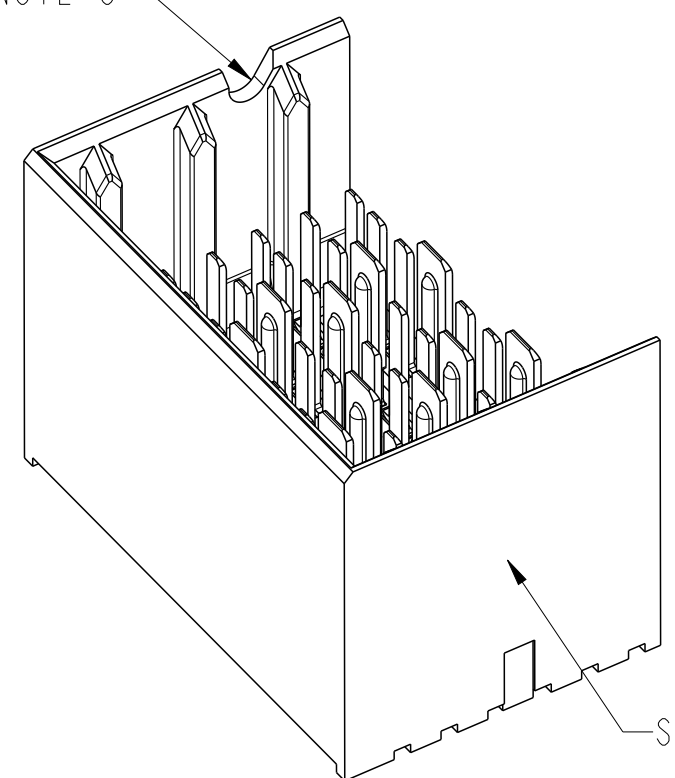
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E

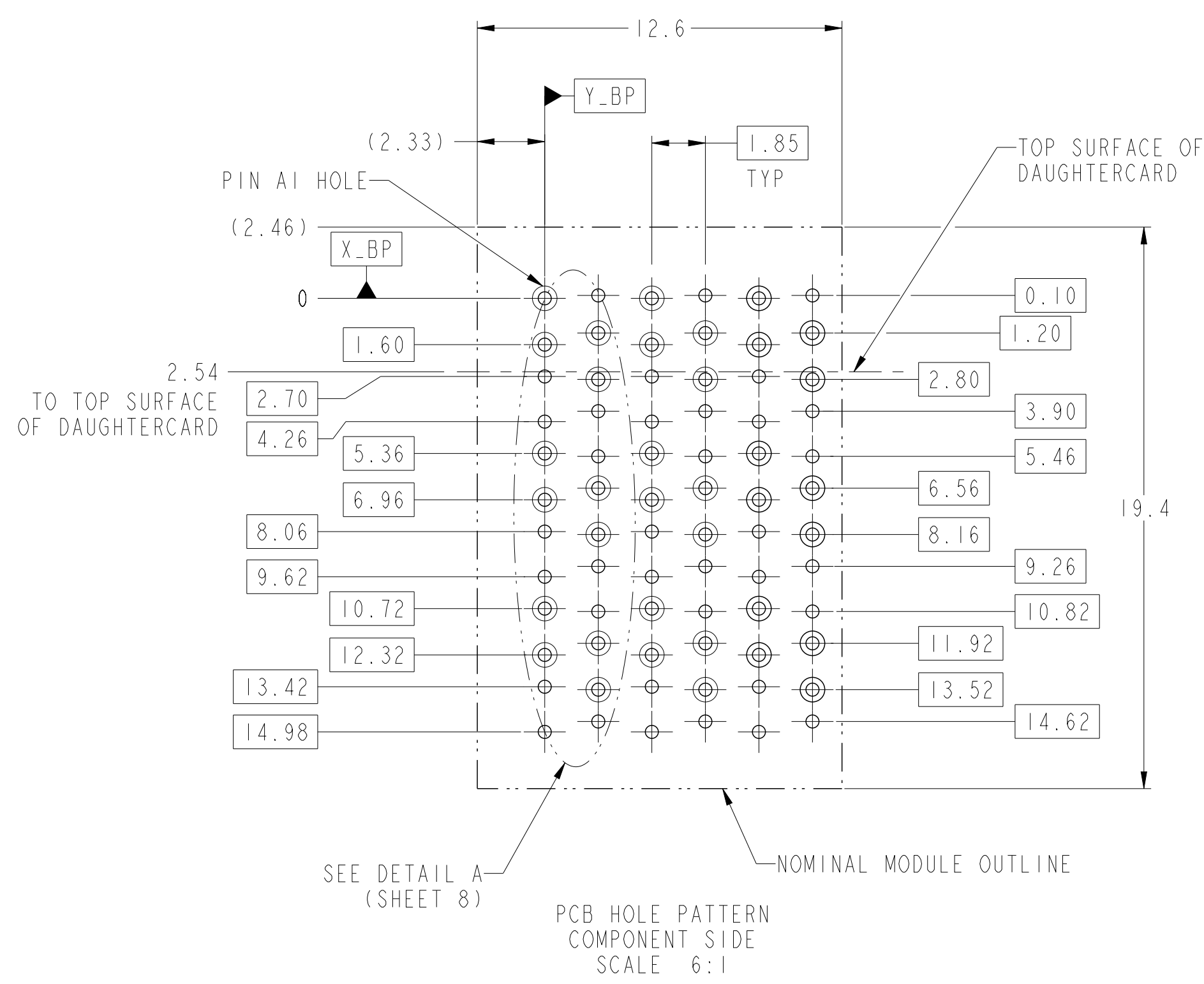
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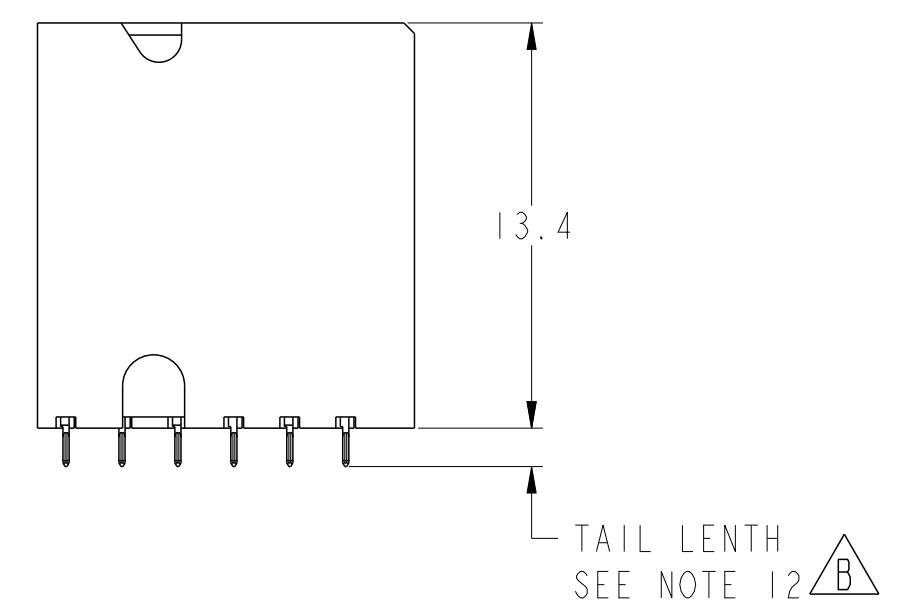
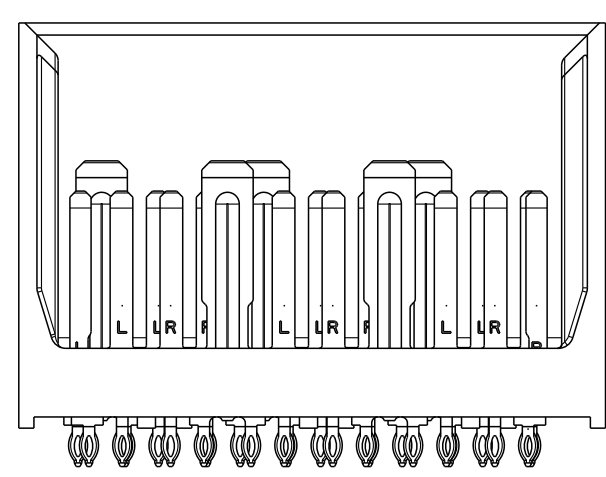
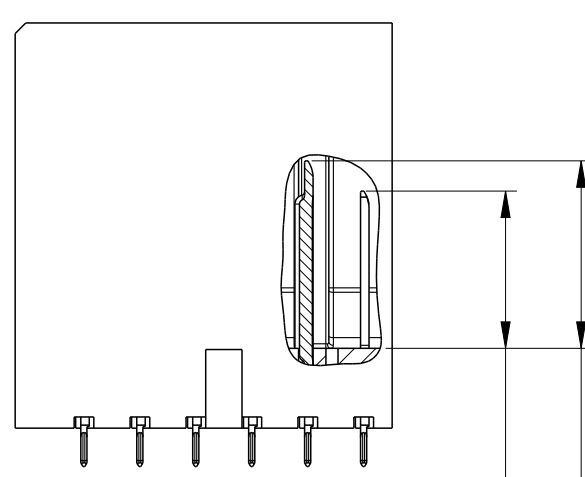
SEE NOTE 8

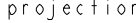


SEE NOTE 5



5.2 (3MM SMALL END GROUNDS)
5.2 (3MM WIPE SIGNALS)
4.2 (2MM WIPE SIGNALS)
SEE P/N TREE
6.2 (4MM WIPE WIDE GROUNDS)
5.2 (3MM WIPE WIDE GROUNDS)



spec ref		-		dr		Roger Ng		2011/11/22		projection				MM				size		A2		scale		4:1	
tolerance std		-		eng		Sandar Soe		2014/10/02								ecn no		ELX-S-18843-1							
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		-								rel level		Released							
				appr		Chen-Hong Tan		2014/12/10								product family		XCEDE							
surface		✓		linear		0.X		±0.2				title		MODULE ASSEMBLY		dwg no		10119189		rev		B			
				0.XX		±0.10																			
				0.XXX		±0.050																			
ASME Y14.5		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 5 of 8									

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A

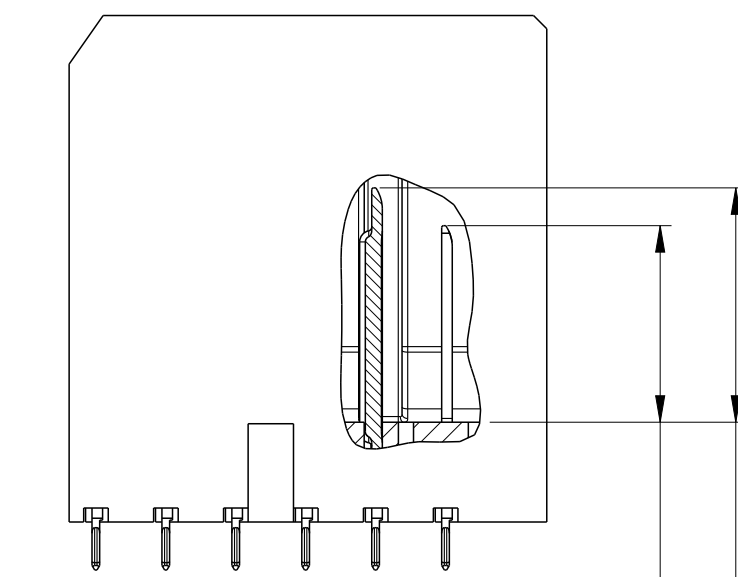
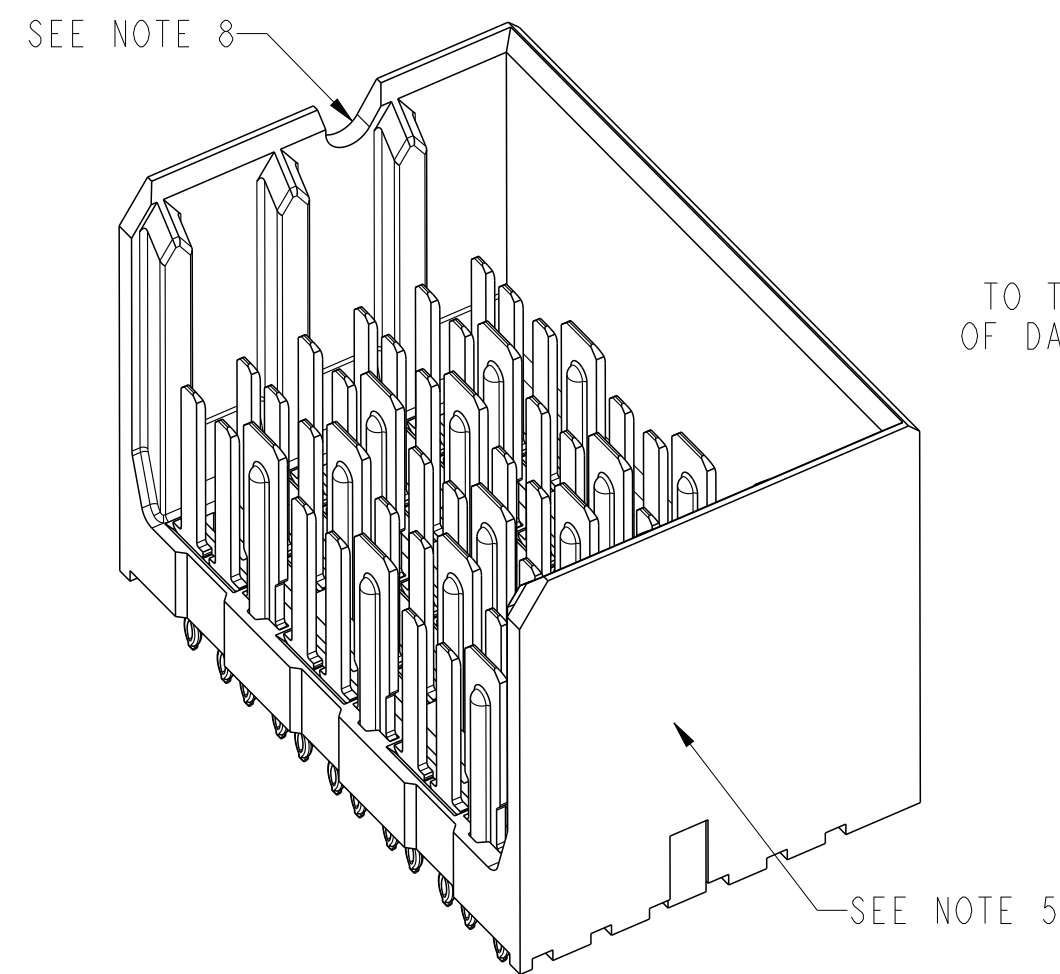
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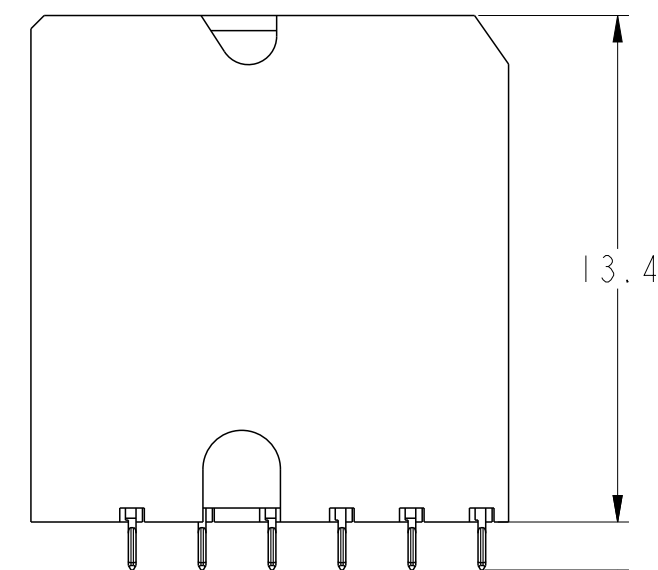
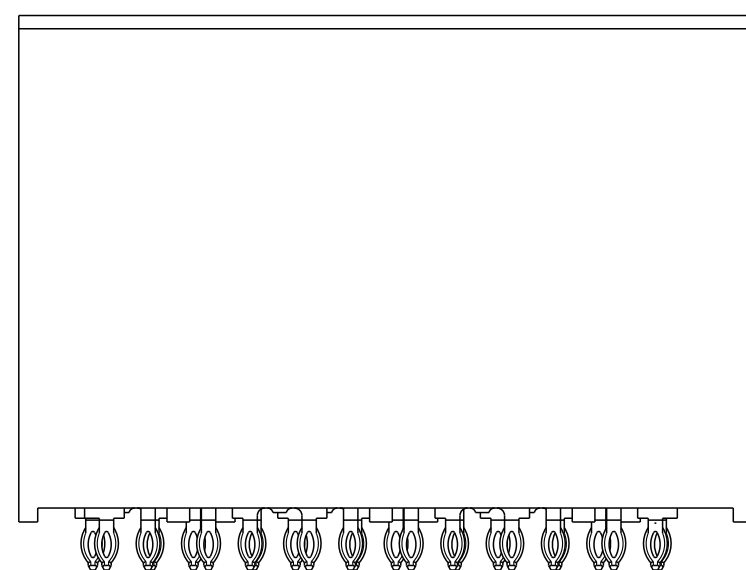
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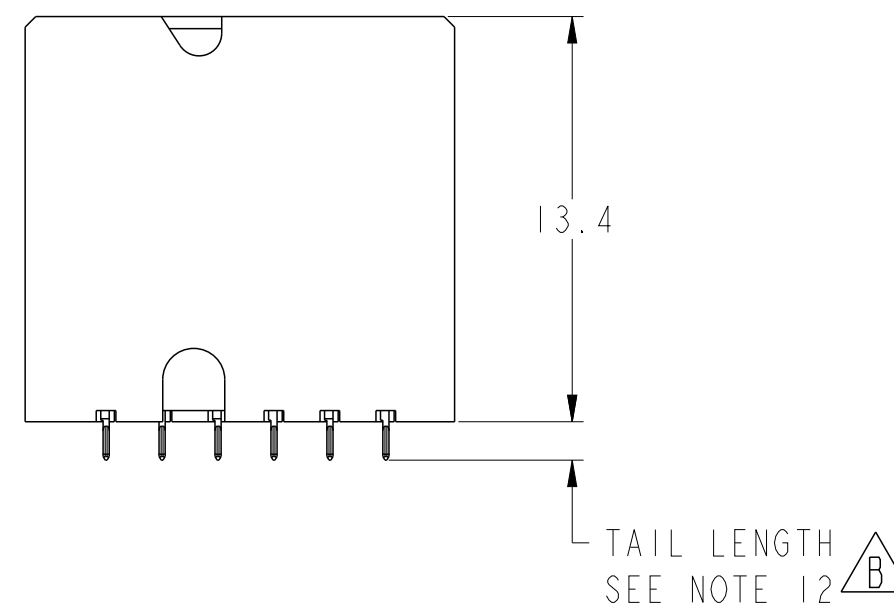
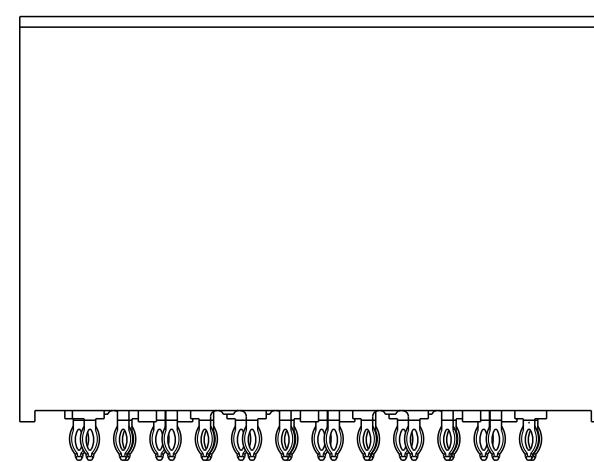
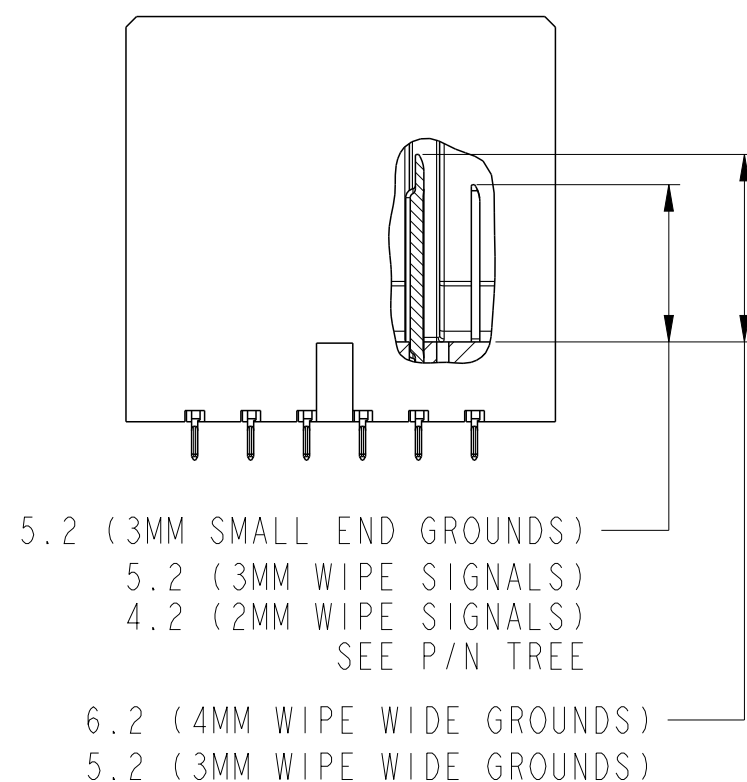
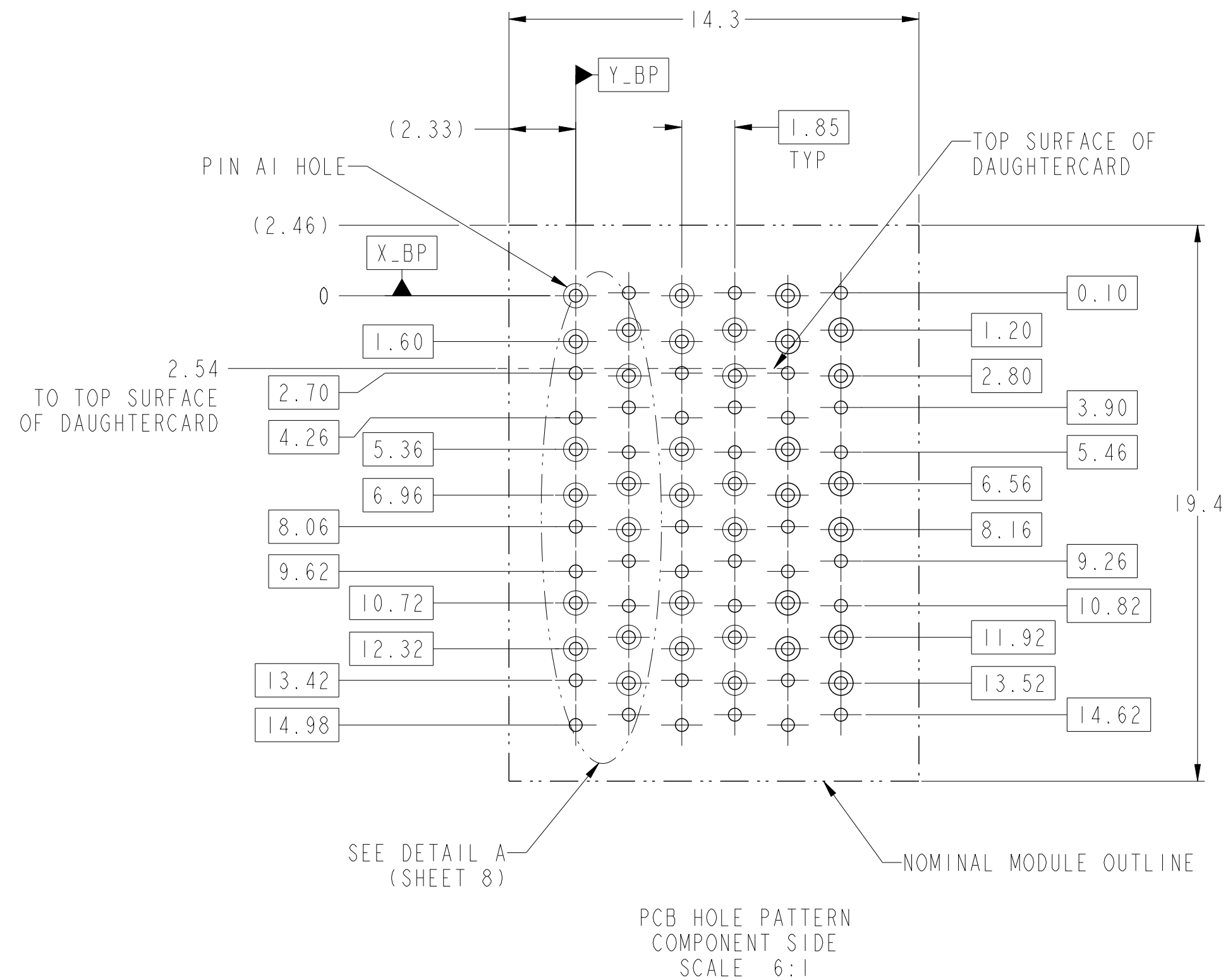
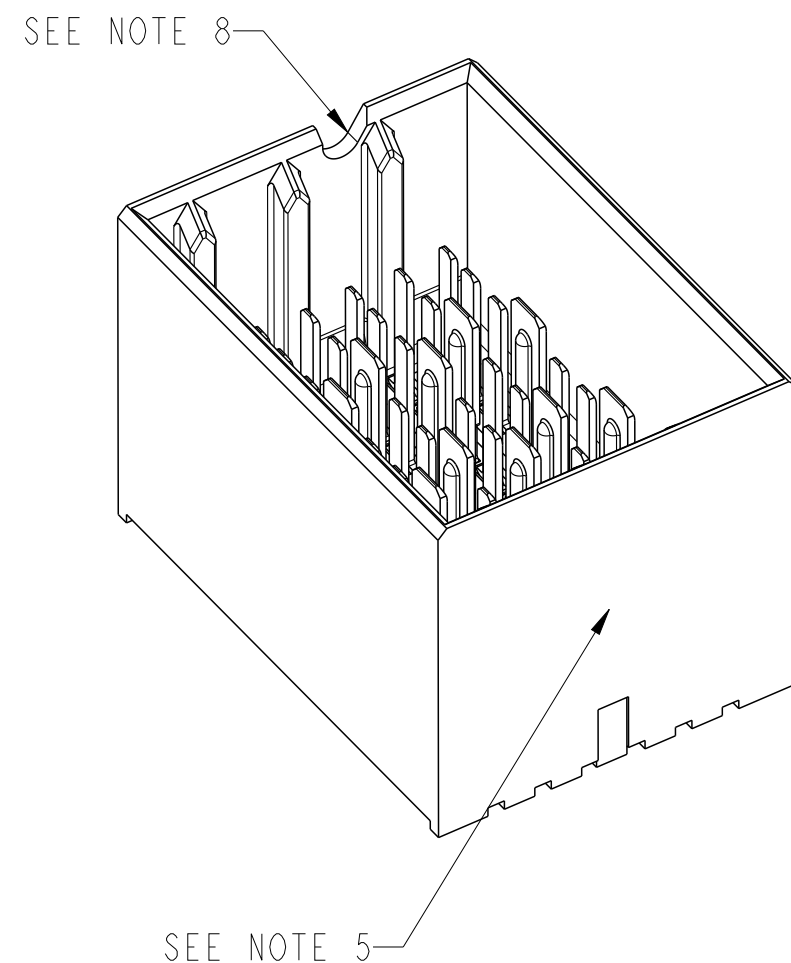
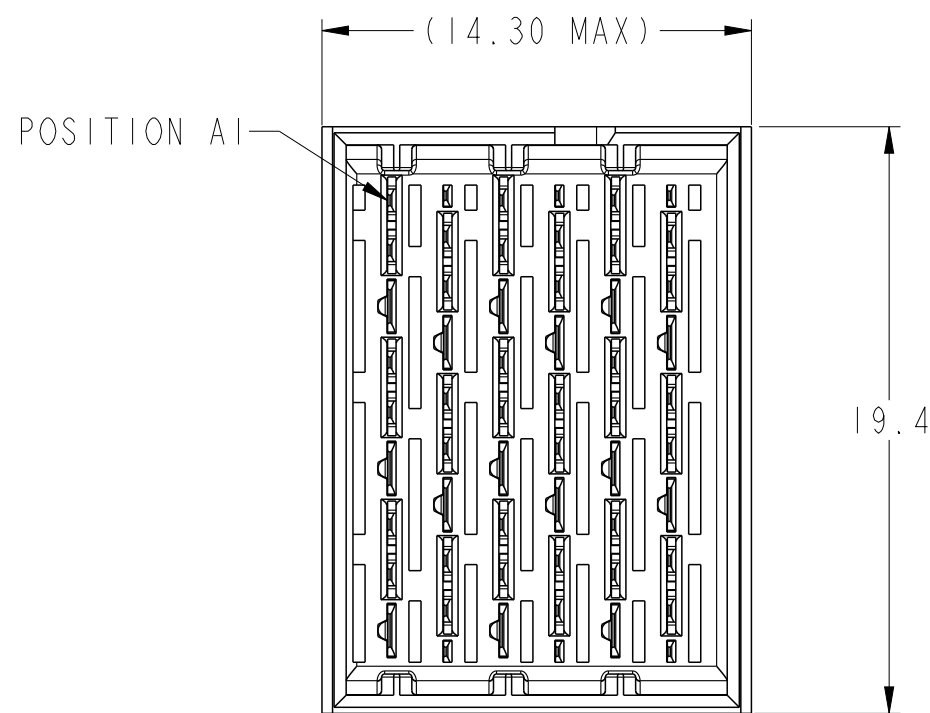
6.2 (4MM WIPE WIDE GROUNDS)
5.2 (3MM WIPE WIDE GROUNDS)



- TAIL LENGTH SEE NOTE 12 

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tolerance std -		eng Sandar Soe		2014/01/02						ecn no		ELX-S-18843-1	
ASME Y14.5		chr -		-									
TOLERANCES UNLESS OTHERWISE SPECIFIED		appr Chen-Hong Tan		2014/12/10		product family		XCEDE		rel level		Released	
surface ✓		linear		0.X ±0.2				title MODULE ASSEMBLY VERTICAL HEADER, 6 COLUMN, 3 PAIR		dwg no 10119189		rev B	
				0.XX ±0.10									
				0.XXX ±0.050									
ASME Y14.5		angular 0°		±2°		www.fci.com		cat. no. -		Product - Customer Drw		sheet 6 of 8	

FOUR WALL MODULE



spec ref	-	dr	Roger Ng	2011/11/22	projection	MM	size	A2	scale	4:1
tolerance std	-	eng	Sandar Soe	2014/10/02	chr	-	ecn no	ELX-S-18843-1	rel level	Released
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	appr	Chen-Hong Tan	2014/12/10	product family	XCEDE	rel level	Released	rev	B
surface	linear	0.X	±0.2	FCI	title	MODULE ASSEMBLY	dwg no	10119189	rev	B
ASME Y14.5	0.XX	±0.10	0.XXX	±0.050	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 7 of 8	
	angular	0°	±2°							

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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 THE 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 (LF), OR TIN-LEAD ALLOY OVER NICKEL (NON-LF). SEE P/N TREE.
- PRODUCT SPECIFICATION: GS-12-588
- APPLCATION SPECIFICATION: GS-20-121
- PRODUCT MARKING (PART NUMBER AND LOT CODE) ON THESE SURFACES.
- HOUSING MUST WITHSAND 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.
- OPTINAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE-PIN SUPPORT. SEE TABLE 1 ON SHEET 1 FOR ADDITIONAL DETAILS.
- B

 TAIL LENGTH=1.3mm FOR $\varnothing 0.55[0.0217"]$ COMPLIANT PIN DRILL
TAIL LENGTH=1.5mm FOR $\varnothing 0.45[0.0177"]$ COMPLIANT PIN DRILL
- A

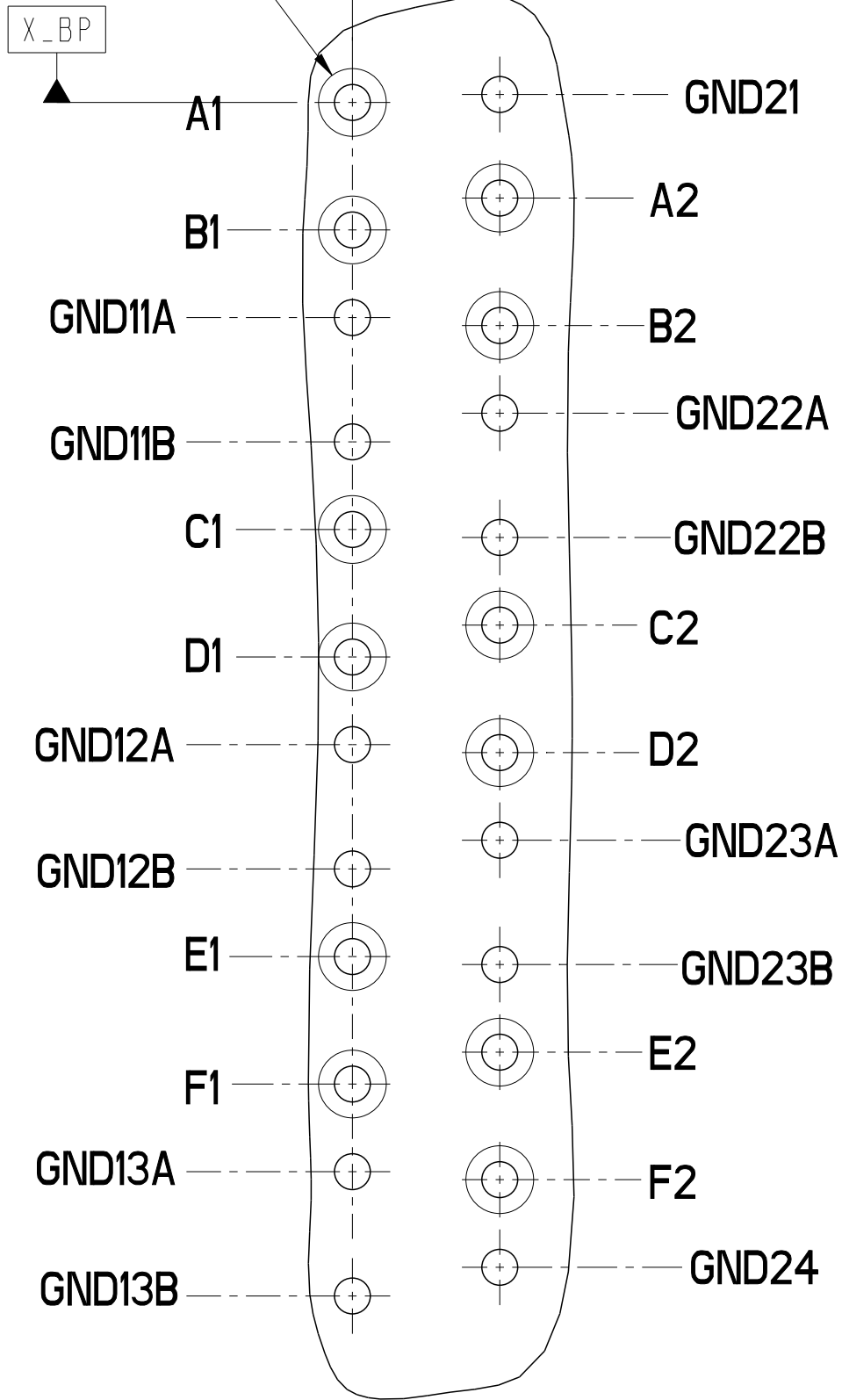
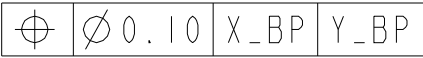
B

 SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE THAT HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

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

COMPLIANT PIN DRILL	PTH	PAD
$\varnothing 0.55 [0.0217"]$	$\varnothing 0.45\pm 0.05$	$\varnothing 0.85$
$\varnothing 0.45 [0.0177"]$	$\varnothing 0.36\pm 0.05$	$\varnothing 0.75$

REFER TO TABLE 3 FOR PTH, DRILL & PAD SIZES



DETAIL A
SCALE 12:1

spec ref -				dr Roger Ng		2011/11/22		projection		MM		size A2		scale 4:1					
tolerance std -				eng Sandar Soe		2014/10/02						ecn no ELX-S-18843-1		Released					
ASME Y14.5				chr -		2014/12/10													
				appr Chen-Hong Tan		2014/12/10													
								product family				XCEDE				rel level			
surface ✓				linear		0.X ±0.2				MODULE ASSEMBLY		dwg no 10119189		rev B					
				0.XX ±0.10															
				0.XXX ±0.050															
ASME Y14.5				angular 0° ±2°		www.fci.com		cat. no. -		Product - Customer Drw		sheet 8 of 8							

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Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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