

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

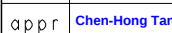
NUMBER	GUIDE PIN STYLE, HEIGHT	
0	STANDARD GUIDE PIN MACHINED, 31.6mm	
4	STANDARD GUIDE PIN MACHINED, 25.7mm	

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"]

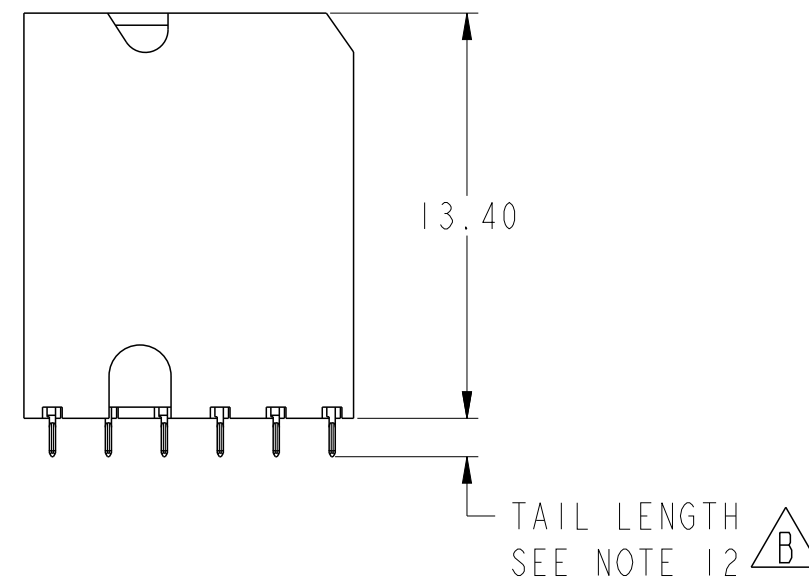
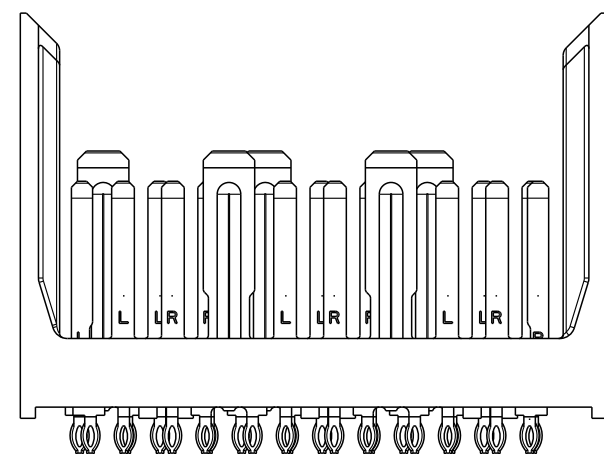
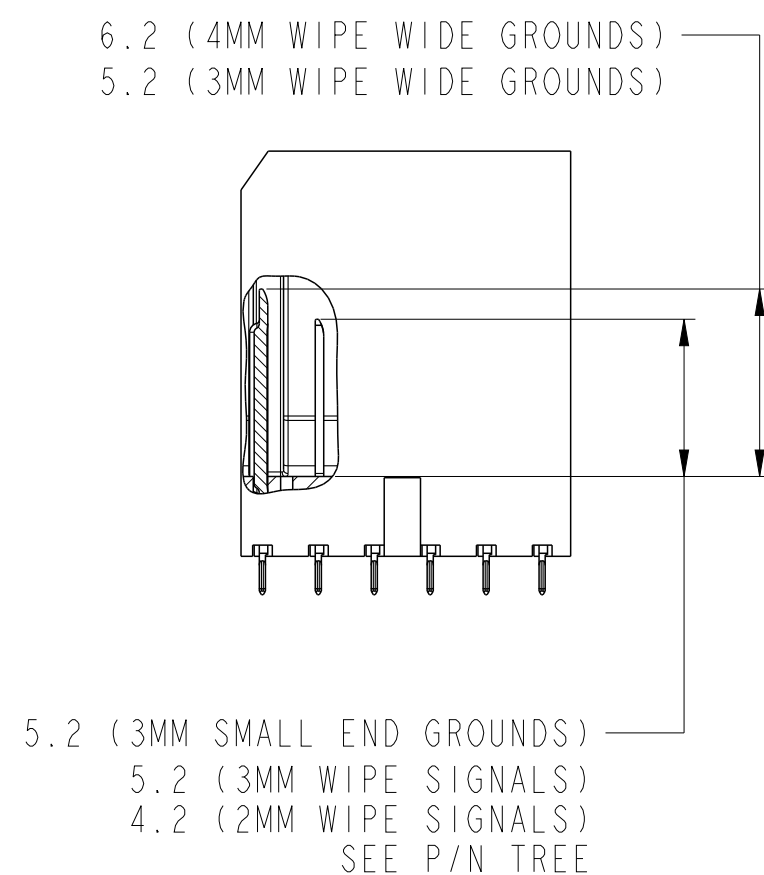
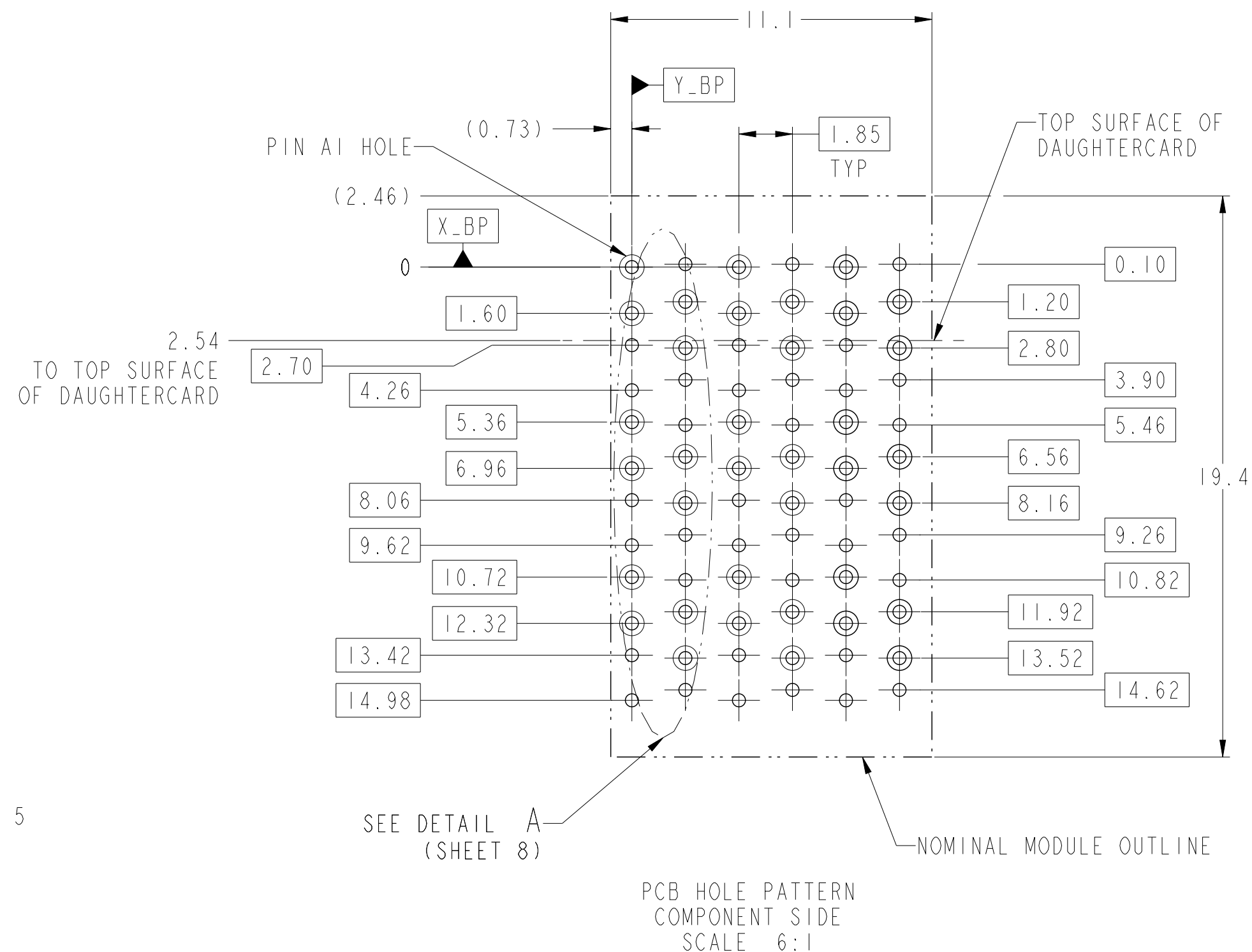
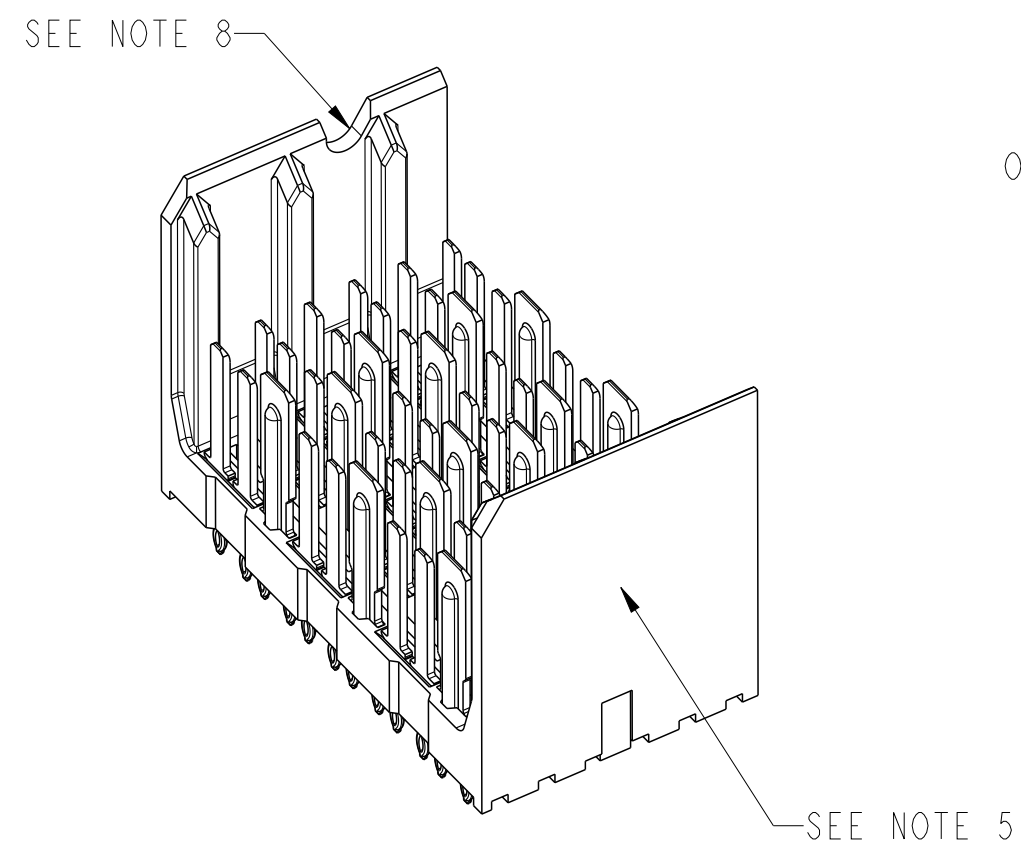
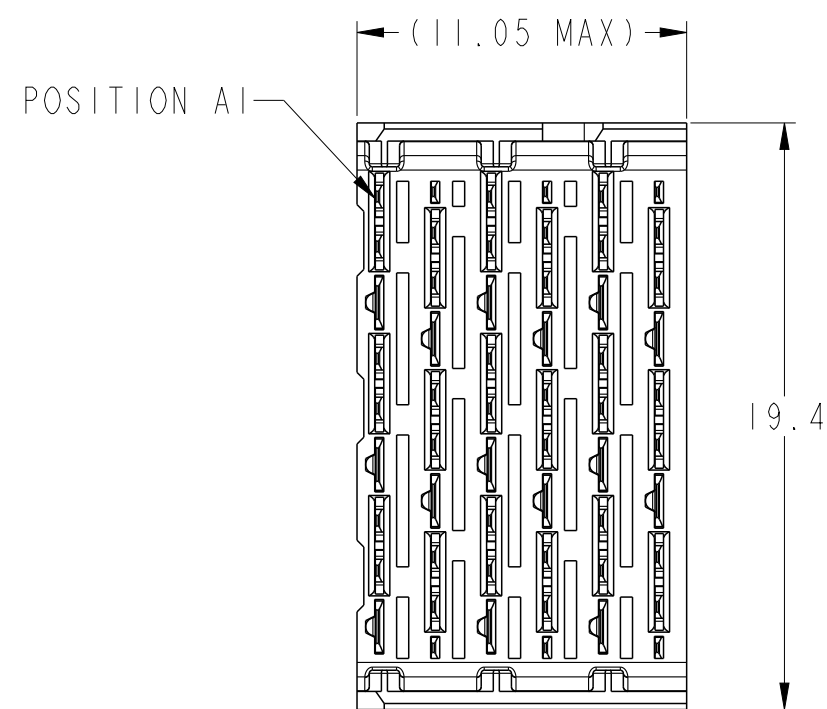
TABLE 1: OPTIONAL PCB HOLE SIZE (SEE NOTE 11)		
	GROUNDED	UNGROUNDED
FINISHED	Ø2.35-2.55	Ø2.35-2.55
PAD	Ø5.50	N/A
PLATED	YES	NO
DRILL (mm/in)	2.58/.1015	2.44/.096

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)	I (ONE)										

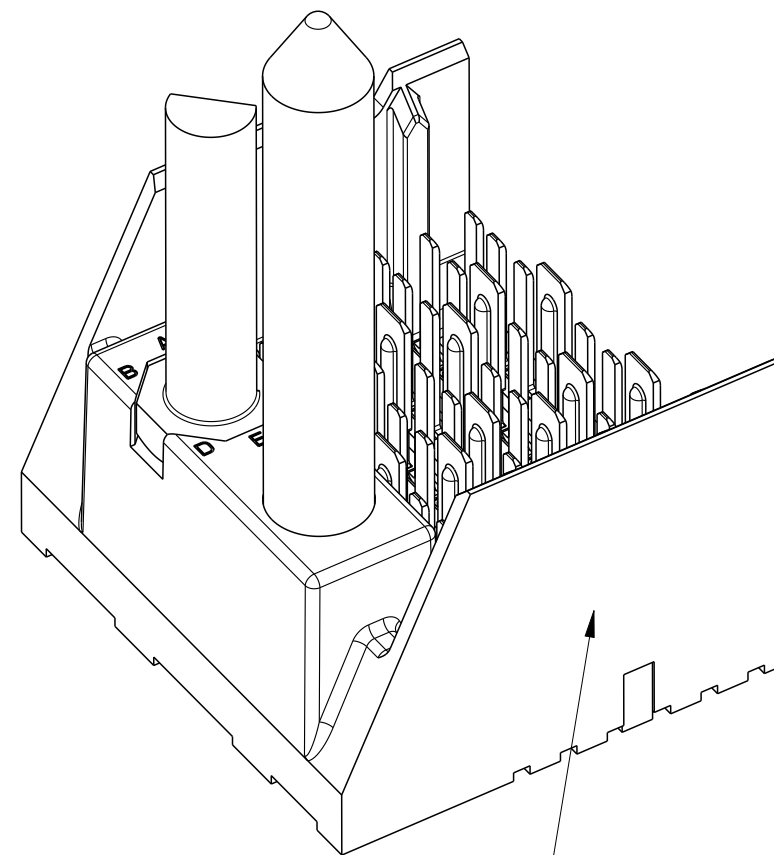
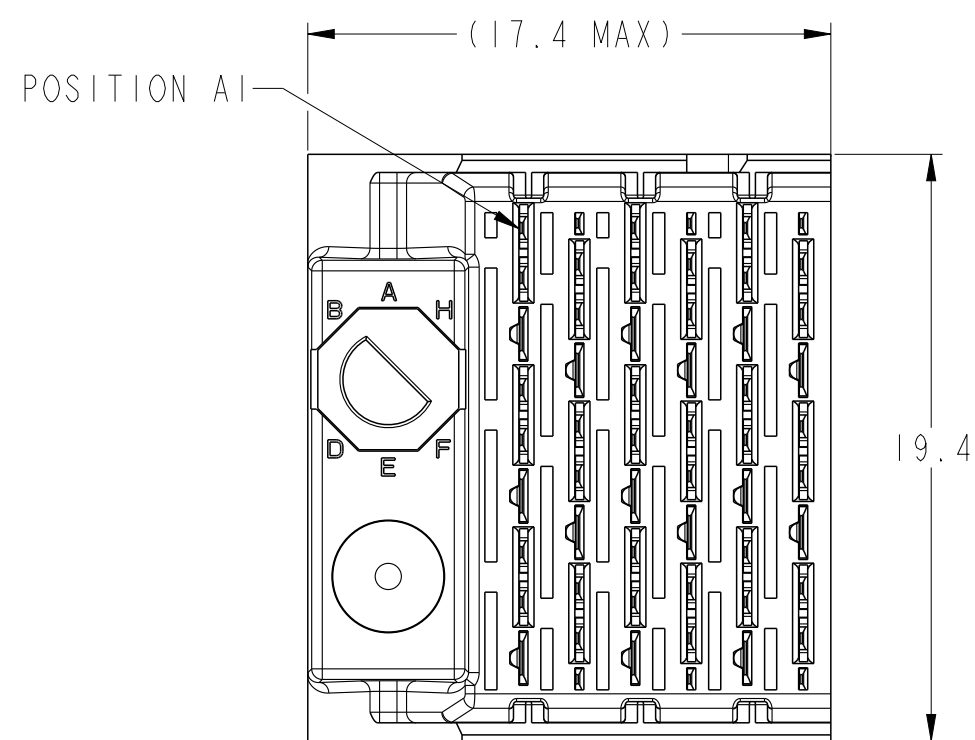
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tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Sandar Soe	2014/10/02			ecn no	ELX-S-18843-1					
ASME Y14.5		chr	-	-									
appr					Chen-Hong Tan	2014/12/10	product family		XCEDE	rel level	Released		
surface		linear	0.X	±0.2		title	MODULE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

OPEN (2- 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	0.XX	±0.10	0.XXX	±0.050	angular	0°	±2°
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 2 of 8		

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

Y_BP

(7.10)

4.44

1.85
TYP

TOP SURFACE OF
DAUGHTERCARD

0.10

1.20

2.80

3.90

5.46

6.56

8.16

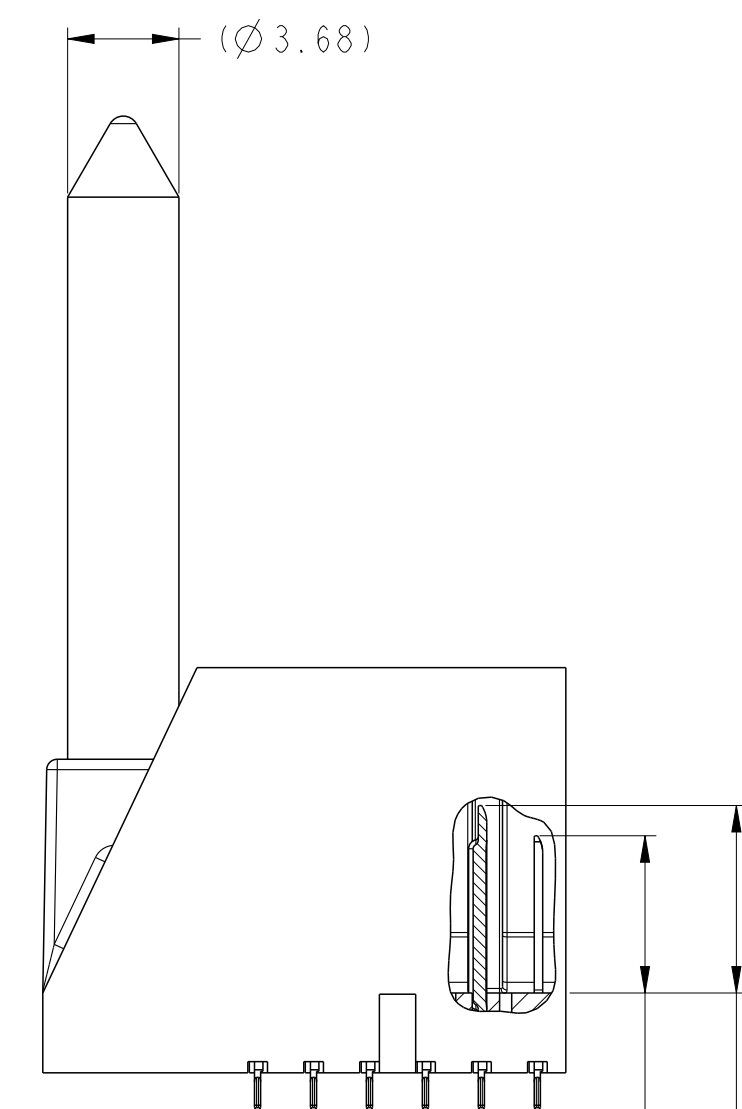
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10.82

11.92

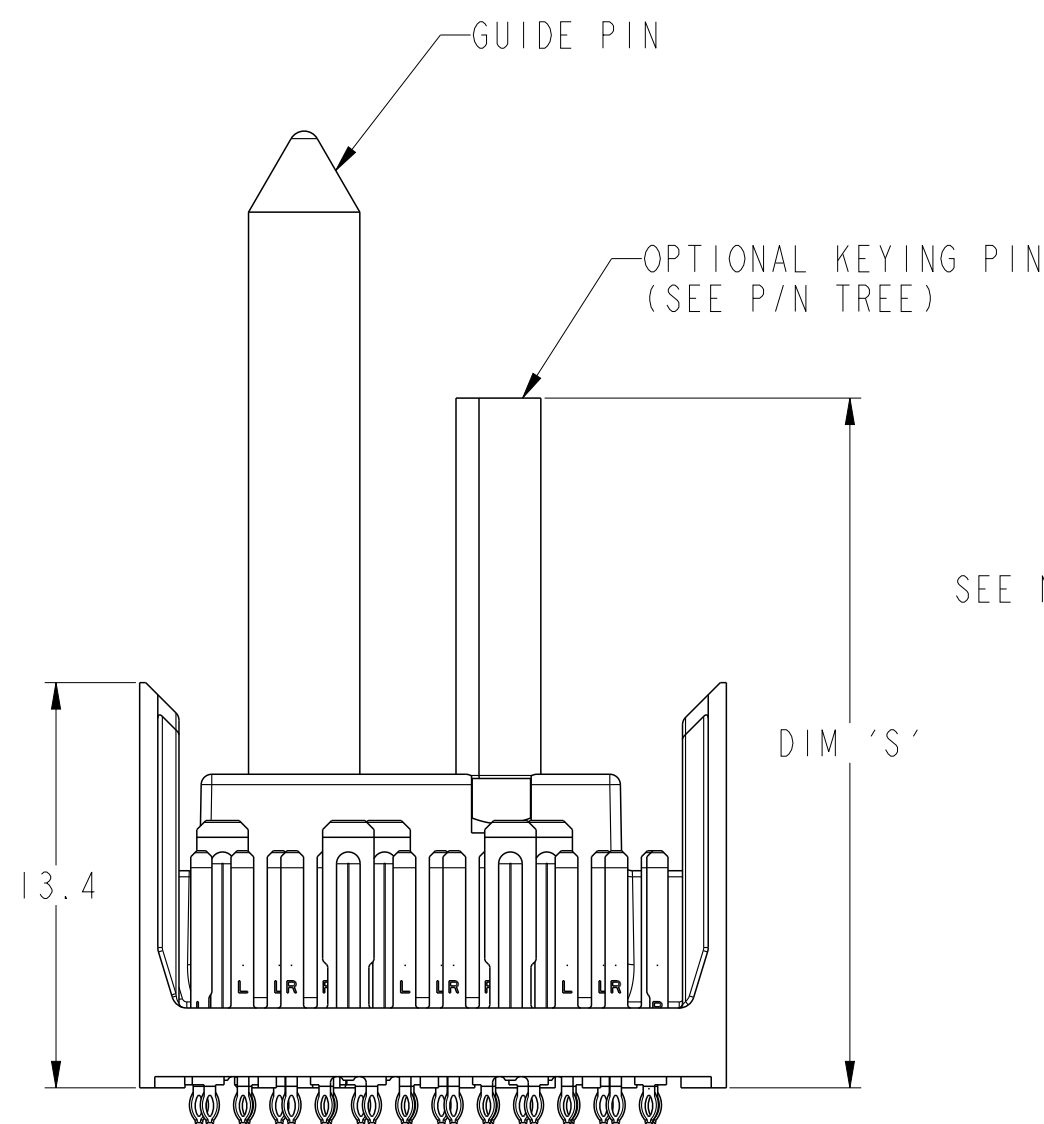
13.52

14.62



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

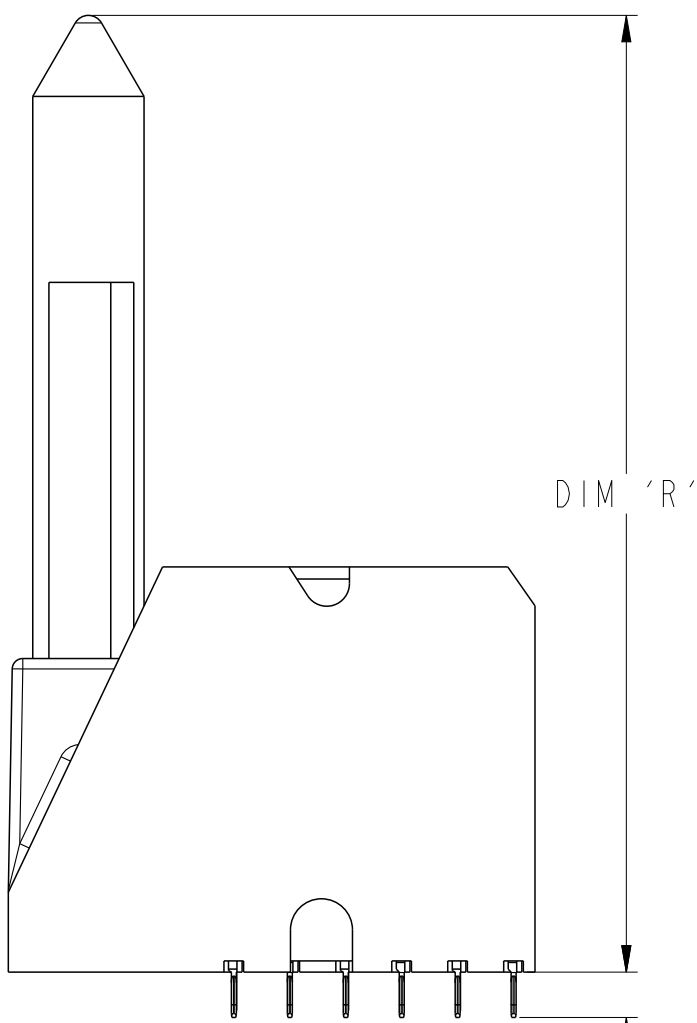
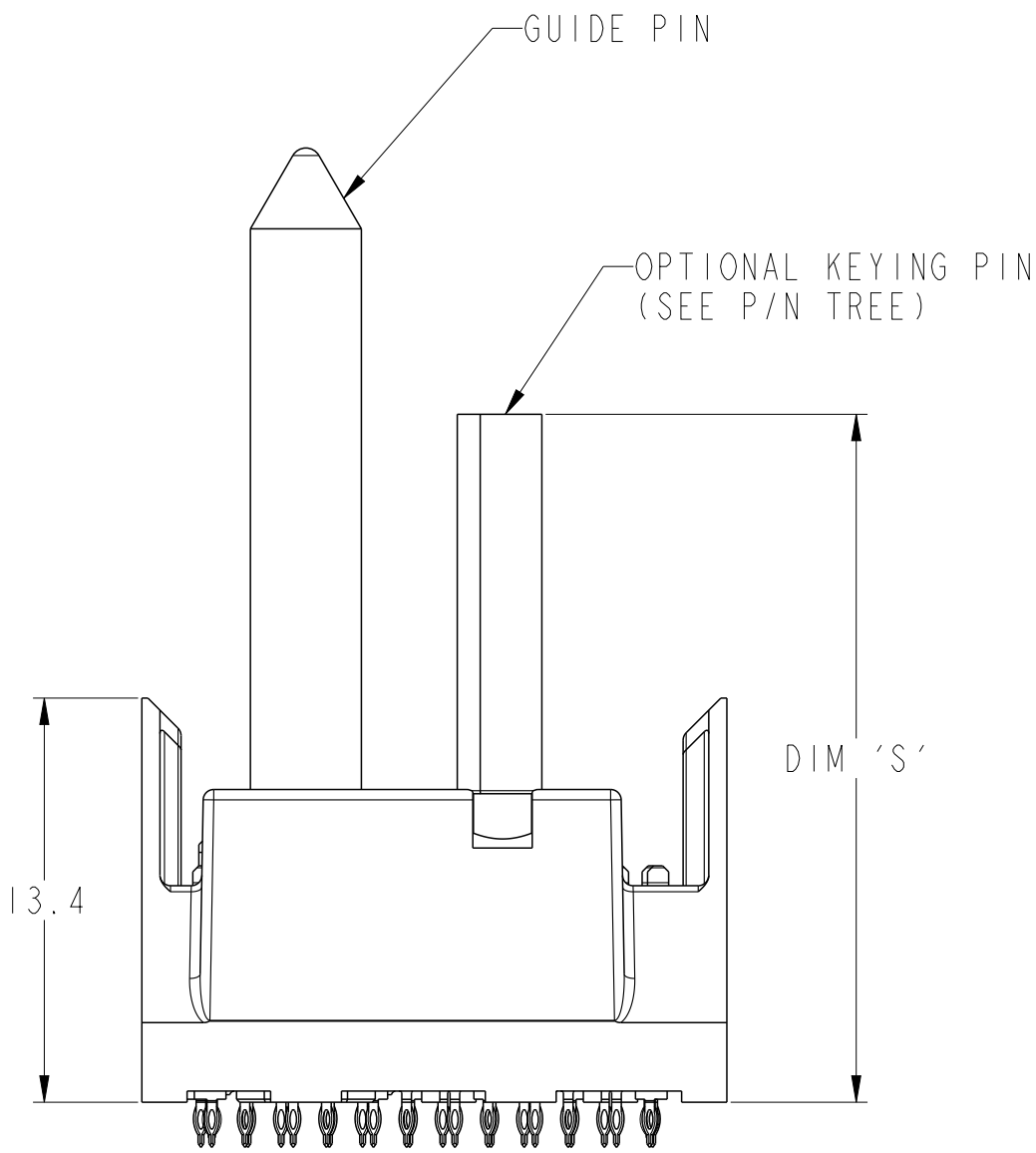
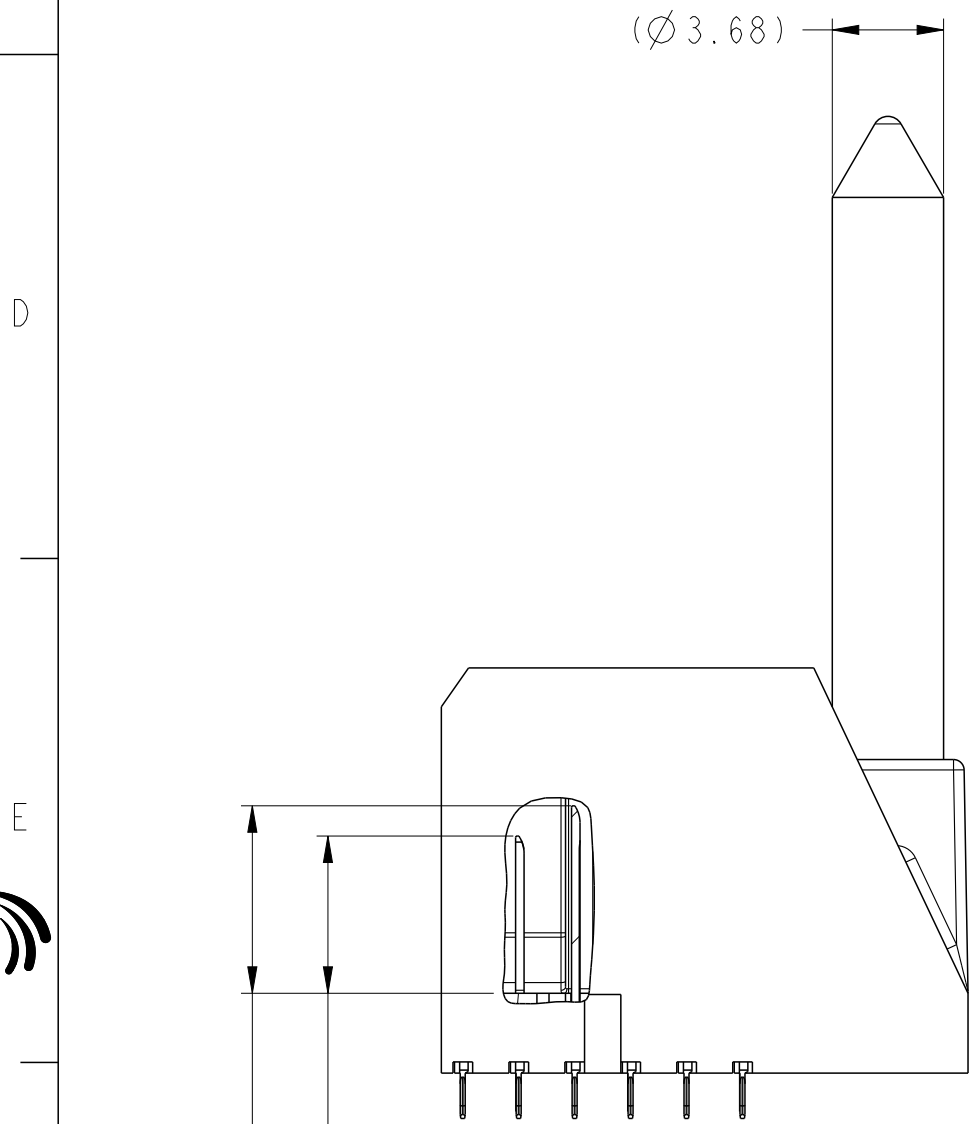
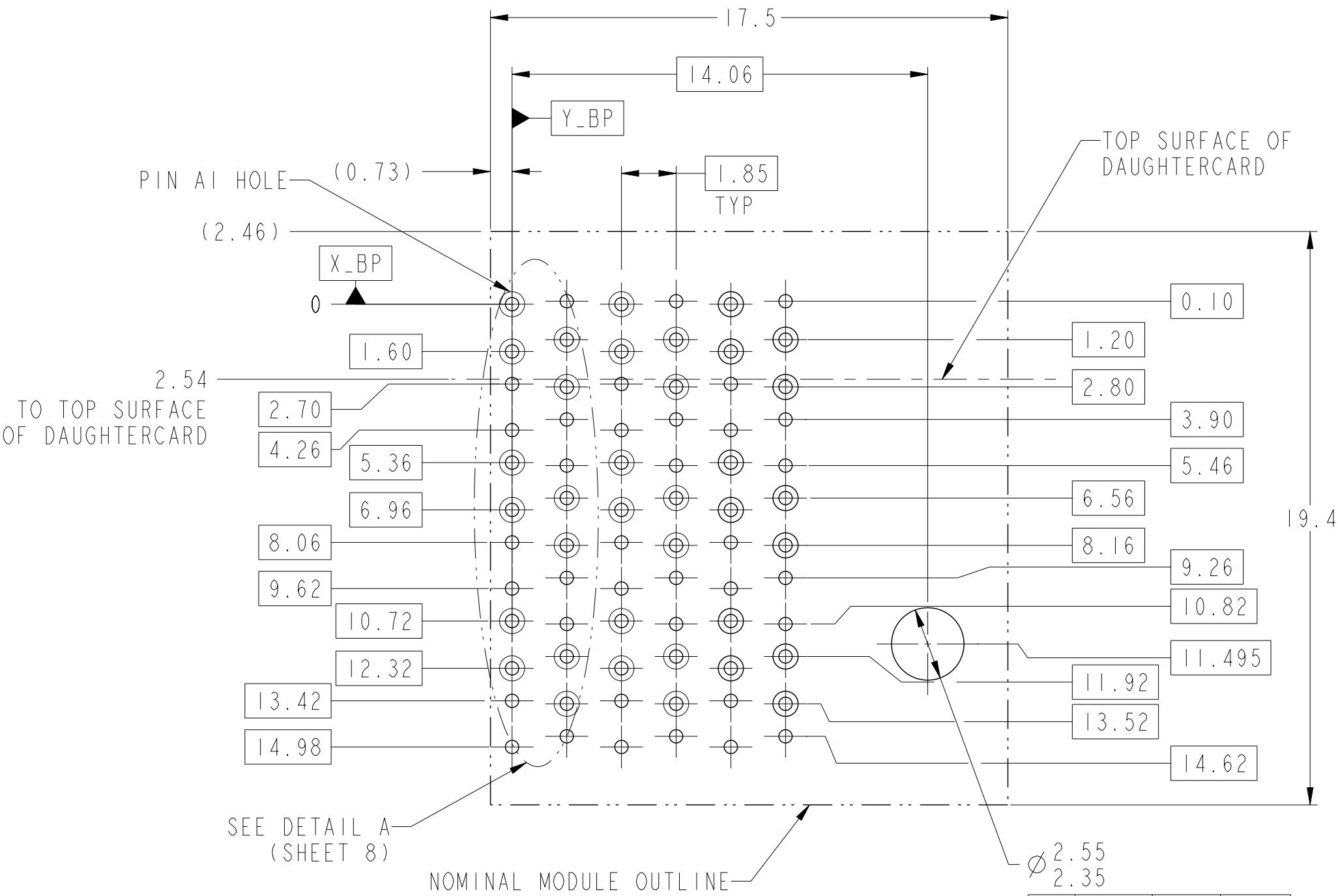
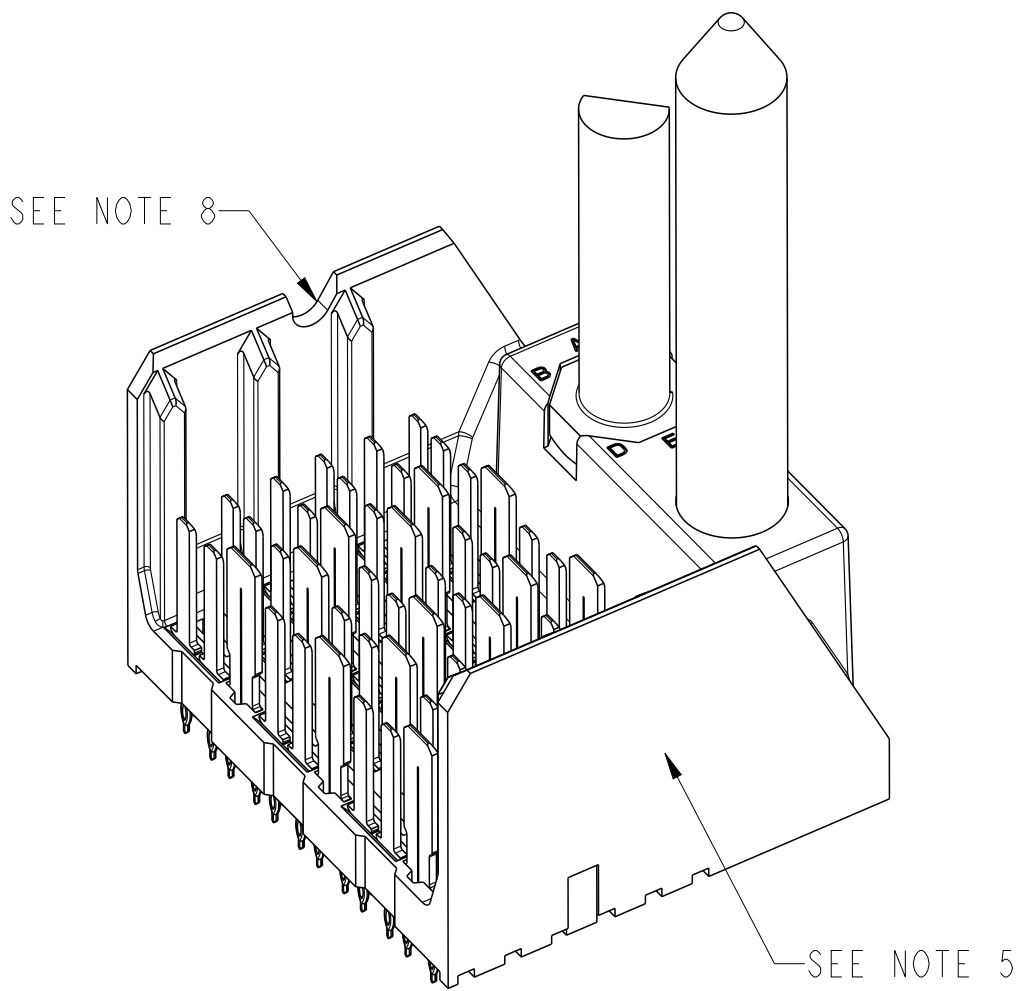
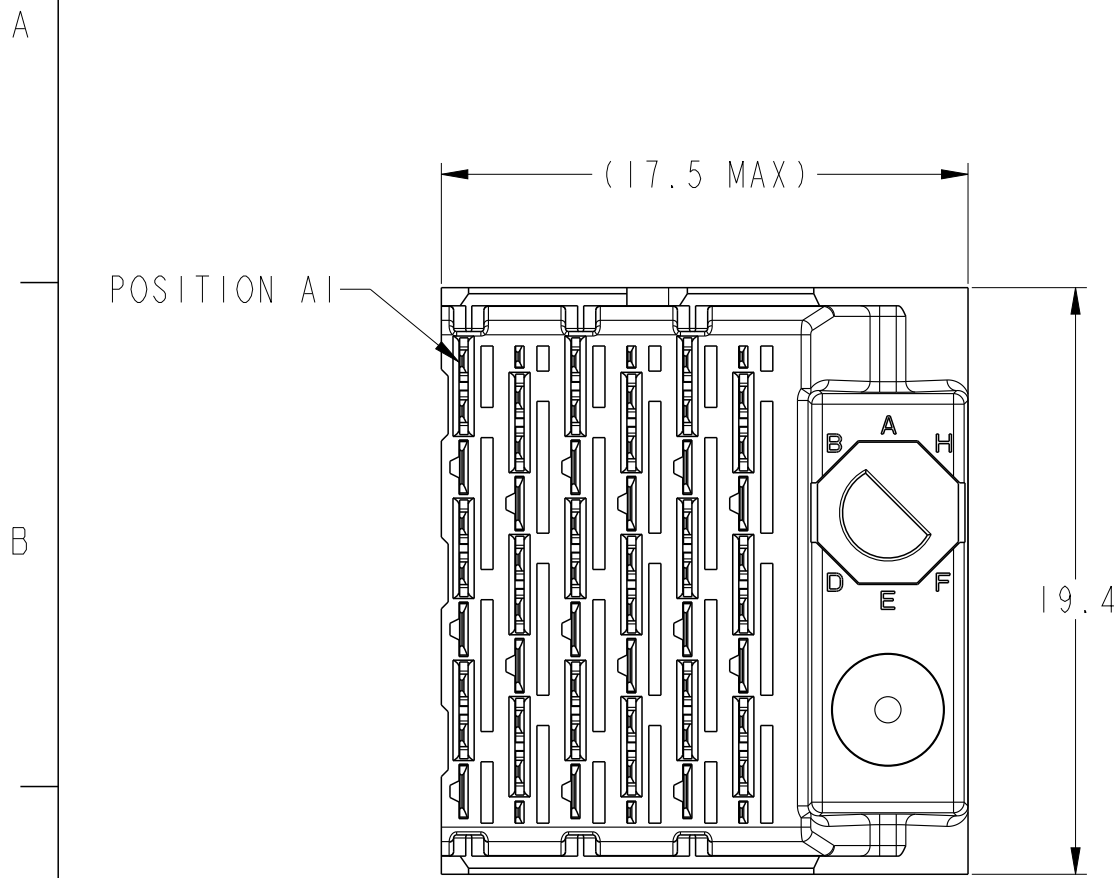
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ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		appr		Chen-Hong Tan		2014/12/10		product family		XCEDE		rel level									
surface		✓		linear		0.X		±0.2		0.XX		±0.10		0.XXX		±0.050		angular		0°		±2°	
ASME Y14.5				www.fci.com		cat. no.		-		Product - Customer Drw		sheet 3 of 8											

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STATUS:Released

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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

TAIL LENGTH
SEE NOTE 12



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	
surface				linear		0.X		±0.2				title		MODULE ASSEMBLY		VERTICAL HEADER, 6 COLUMN, 3 PAIR		dwg no		10119189		rev		B	
ASME Y14.5		0.XX		±0.10		0.XXX		±0.050																	
angular		0°		±2°																					
						www.fci.com		cat. no.		-		Product - Customer Drw		sheet 4 of 8											



MODULE ASSEMBLY
VERTICAL HEADER, 6 COLUMN, 3 PAIR

10119189

B

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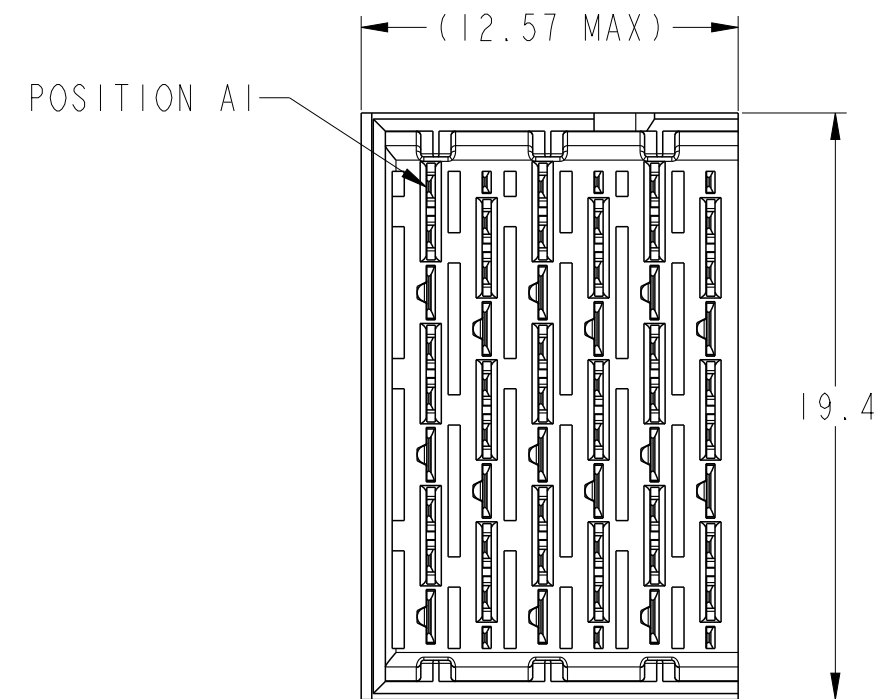
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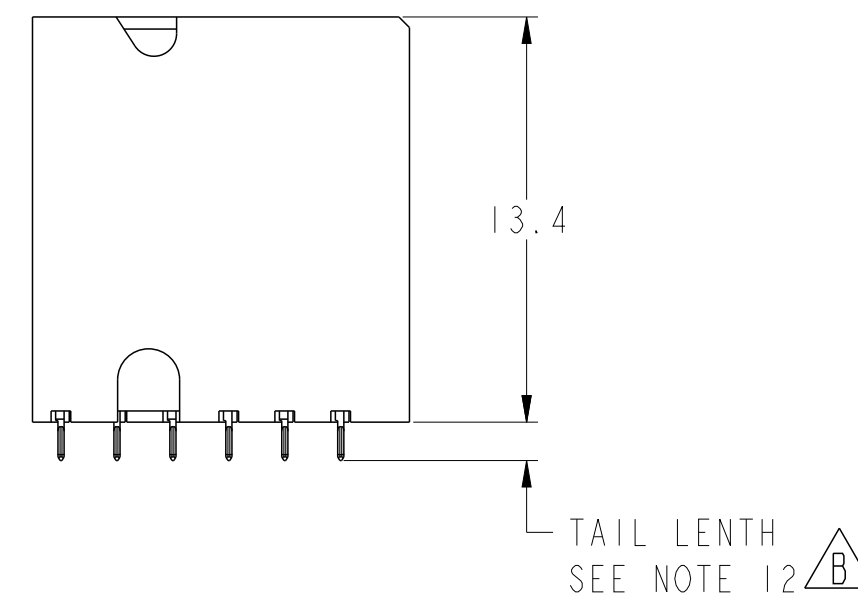
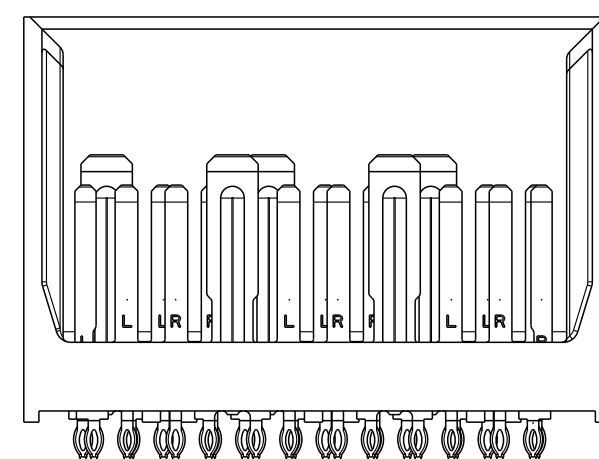
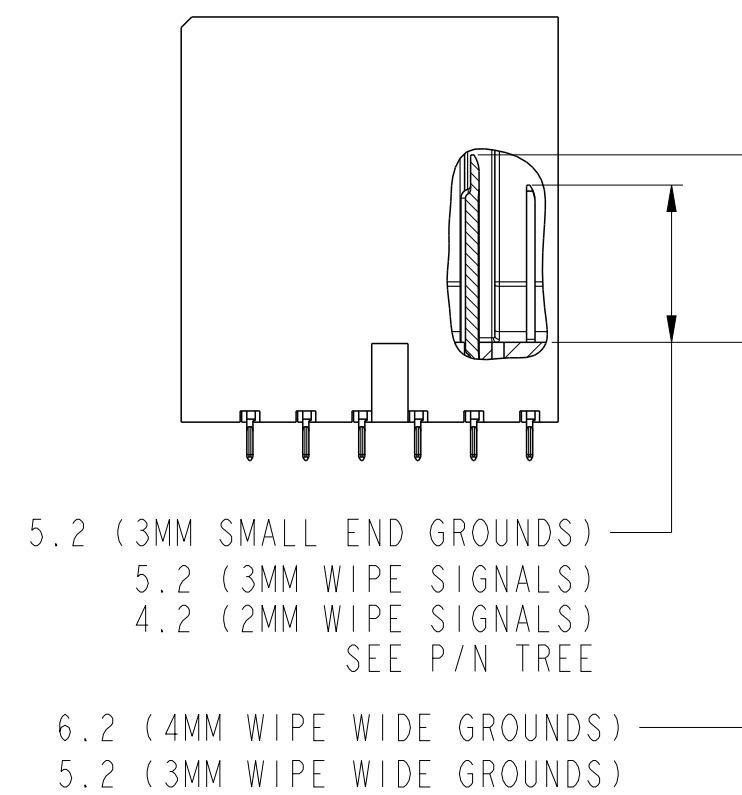
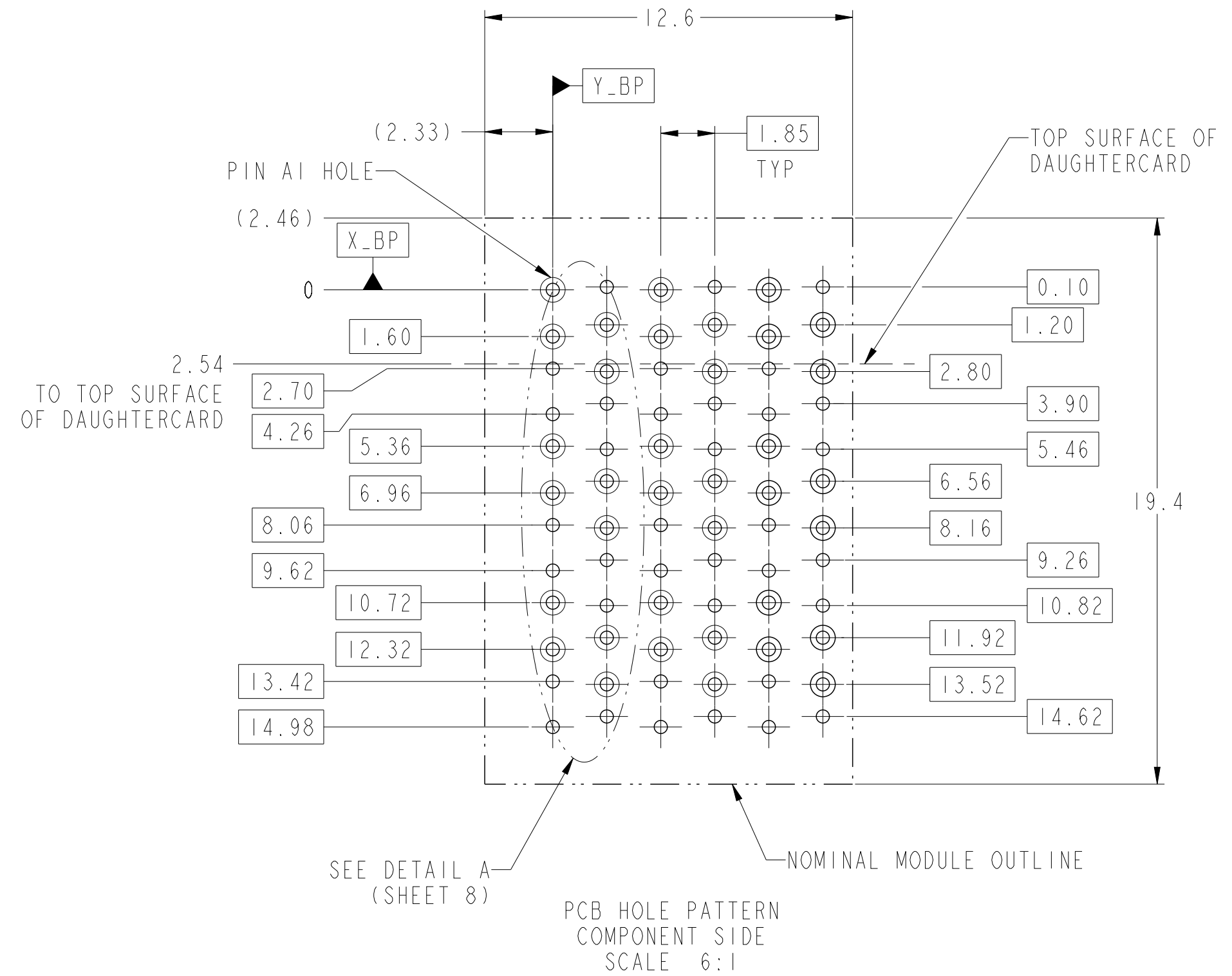
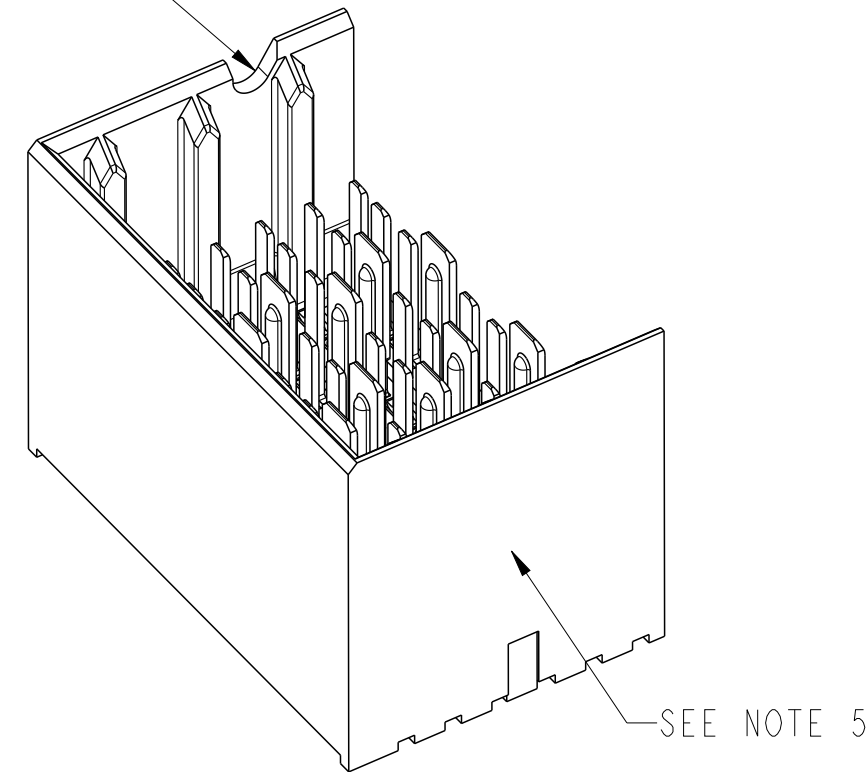


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LEFT WALL MODULE



SEE NOTE 8



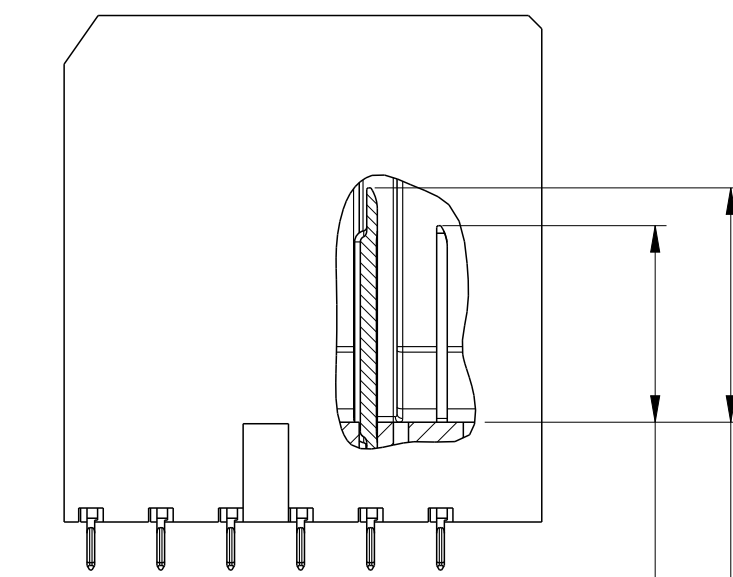
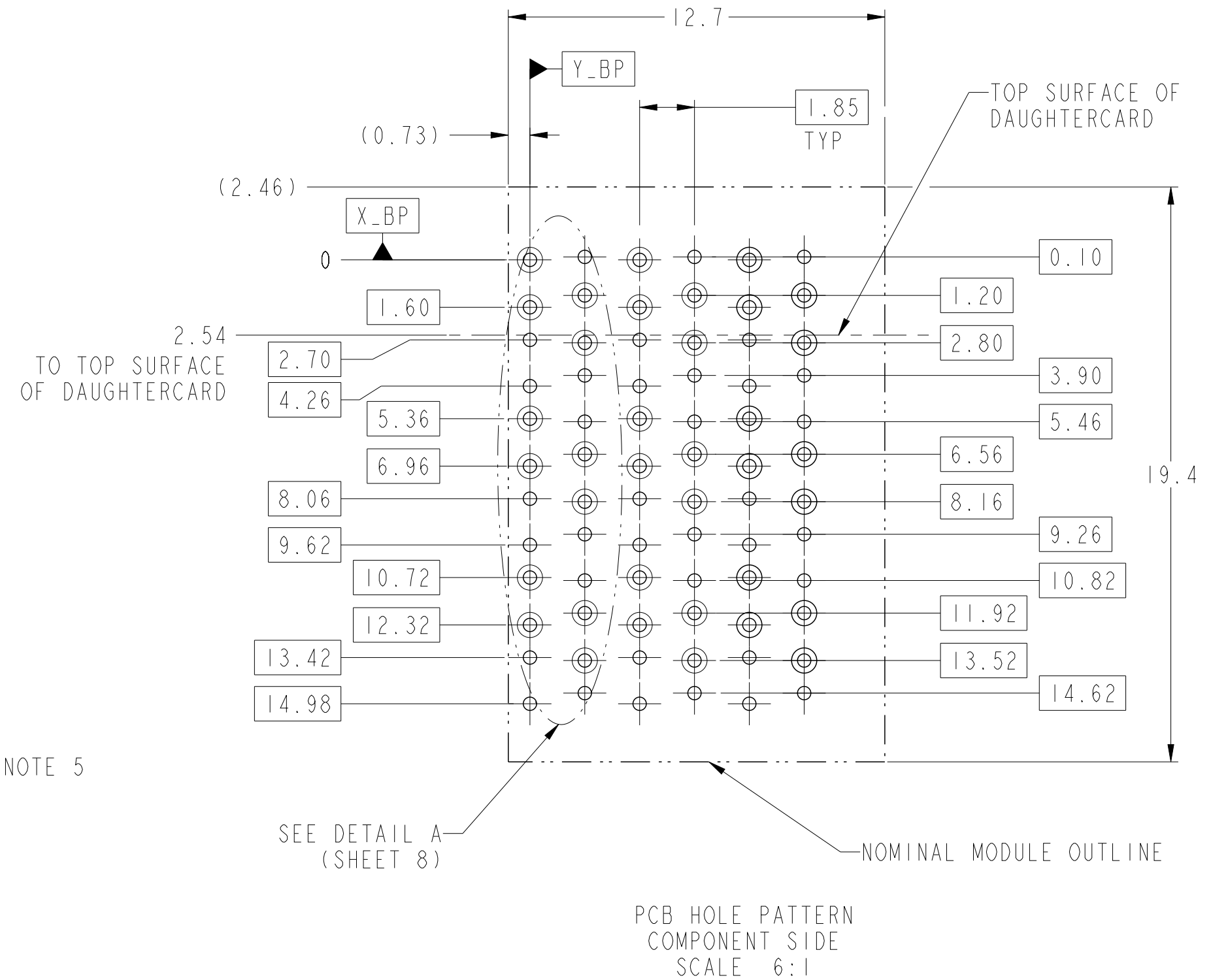
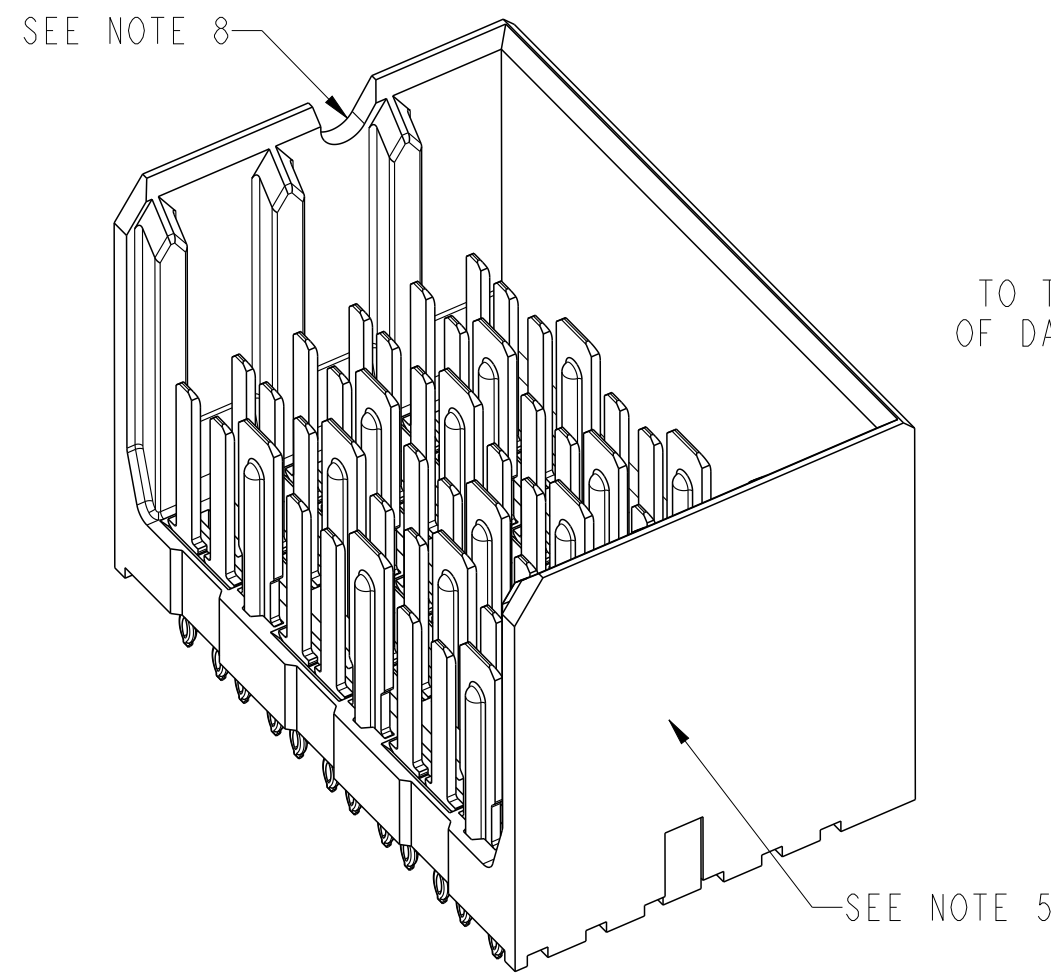
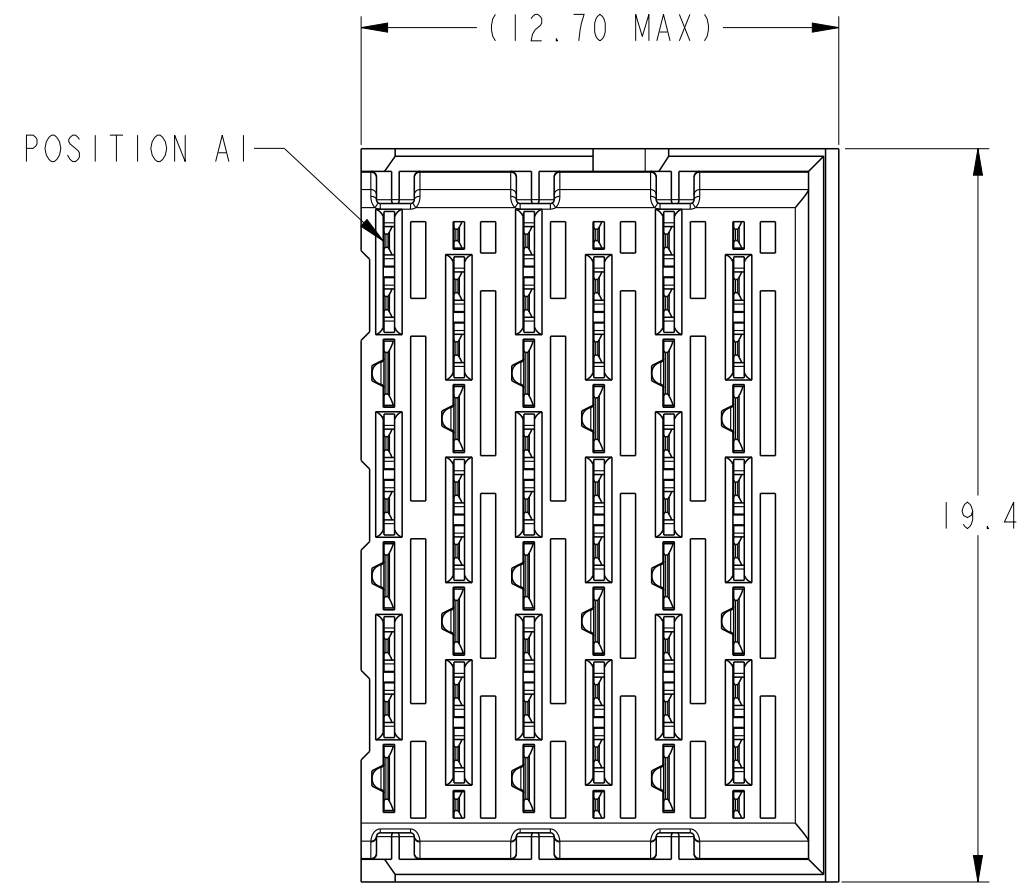
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ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		-						rel level		Released									
surface				appr		Chen-Hong Tan		2014/12/10						dwg no		10119189		rev		B					
ASME Y14.5		linear		0.X		±0.2		FCI		file		MODULE ASSEMBLY		cat. no.		-		Product - Customer Drw		sheet 5 of 8					
		0.XX		±0.10		www.fci.com				VERTICAL HEADER, 6 COLUMN, 3 PAIR															
		0.XXX		±0.050																					
		angular		0°		±2°																			

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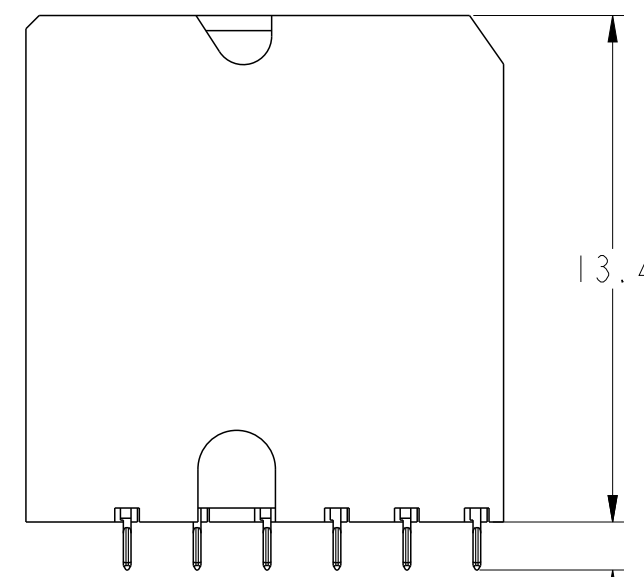
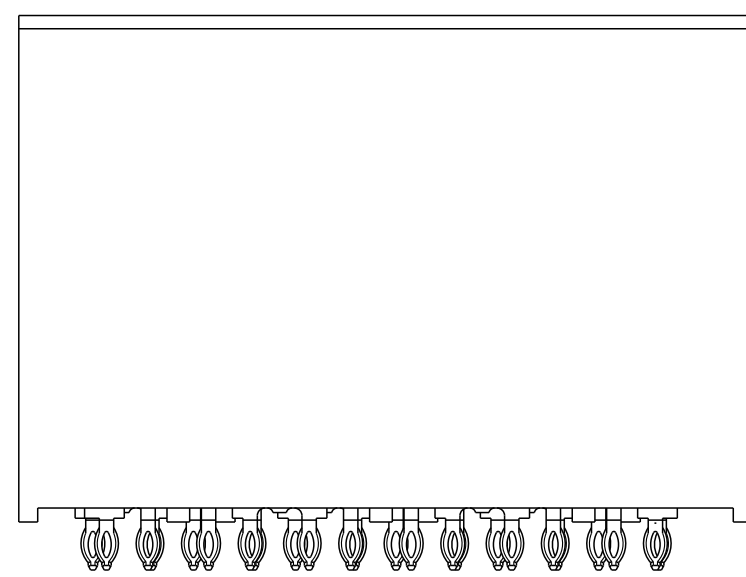
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RIGHT WALL MODULE



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)



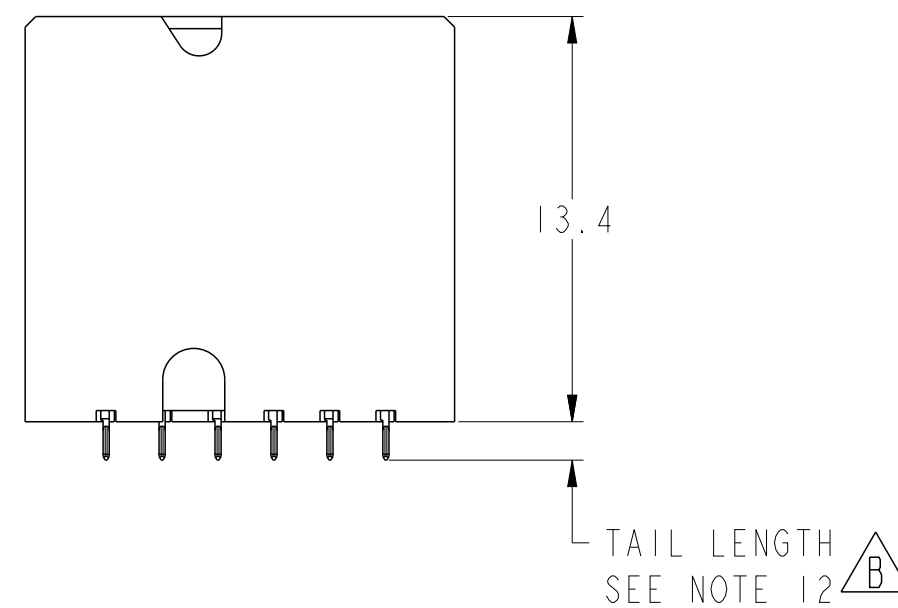
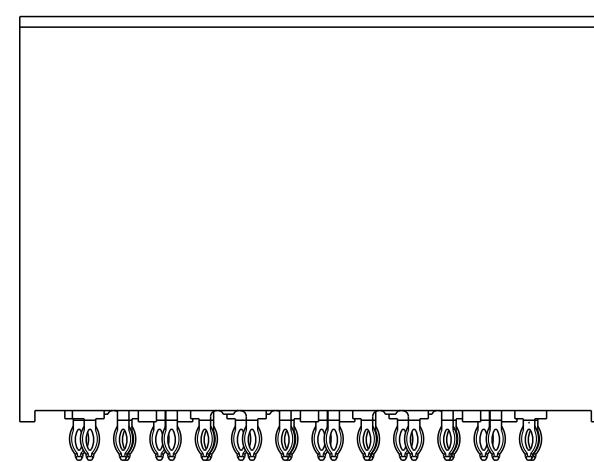
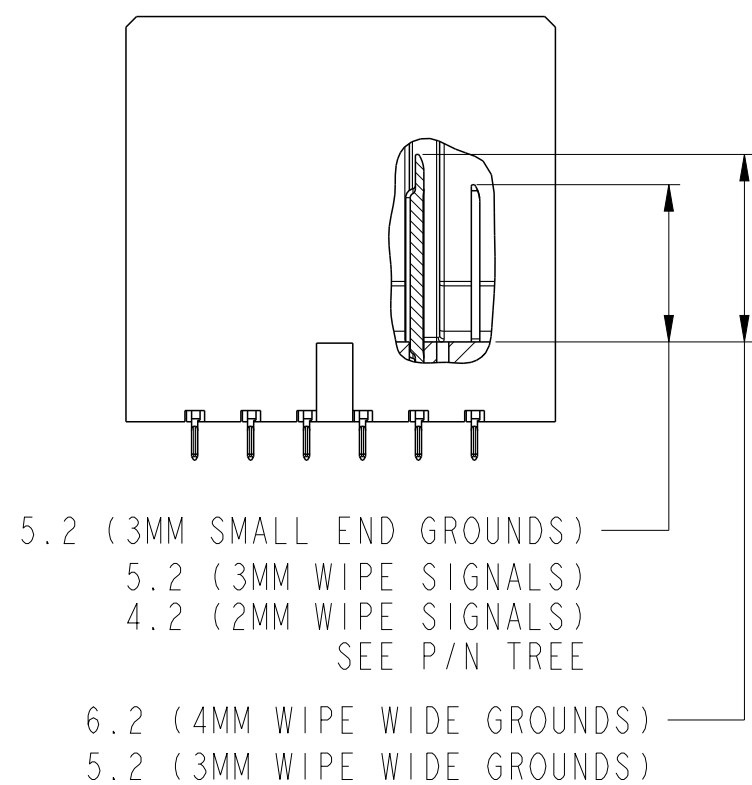
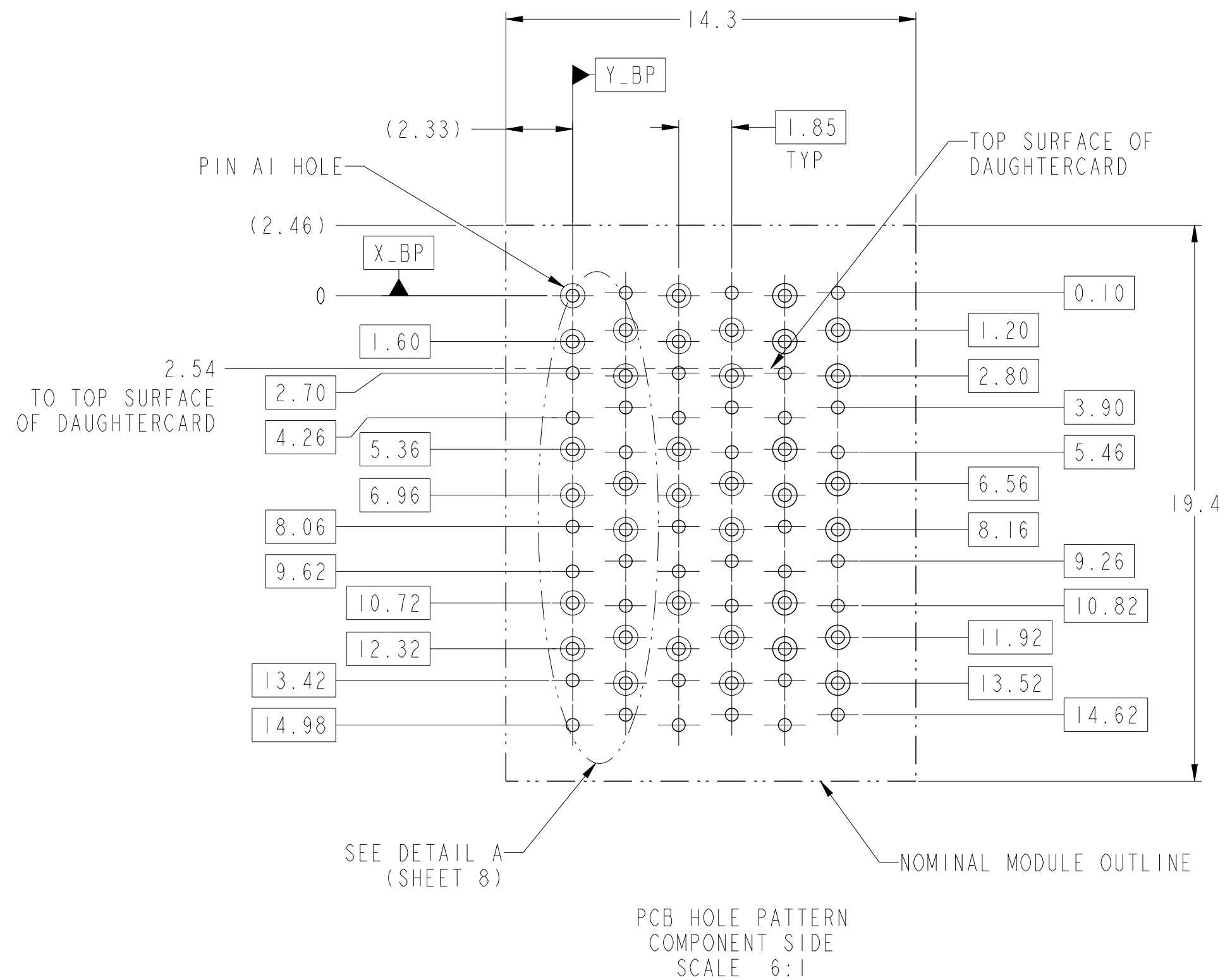
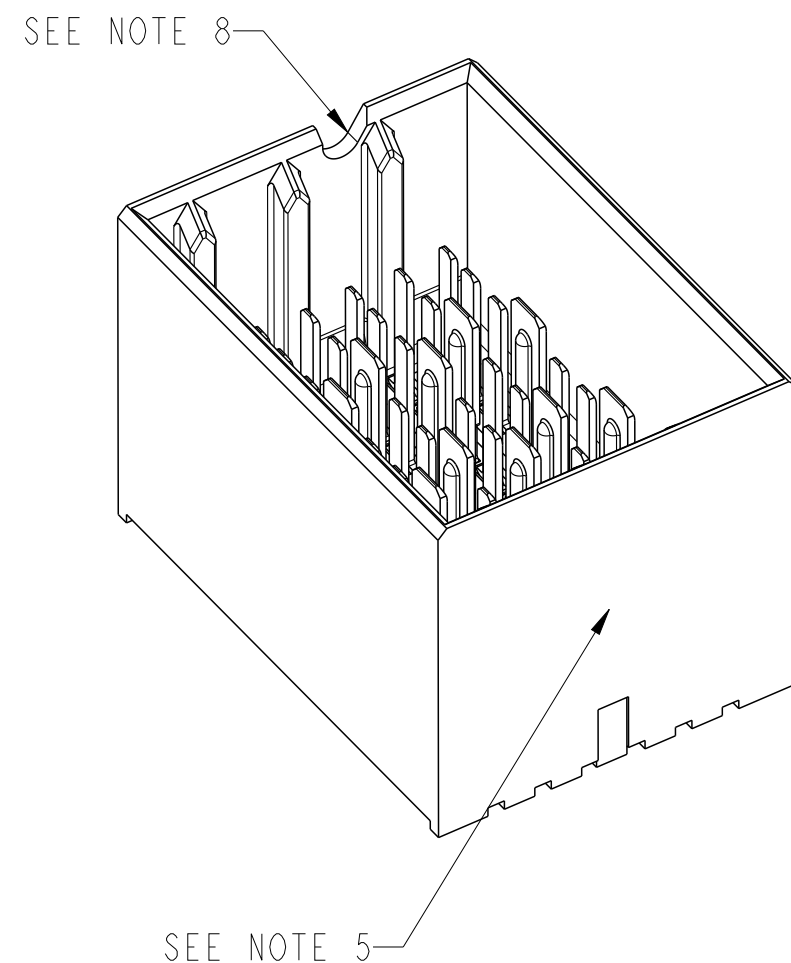
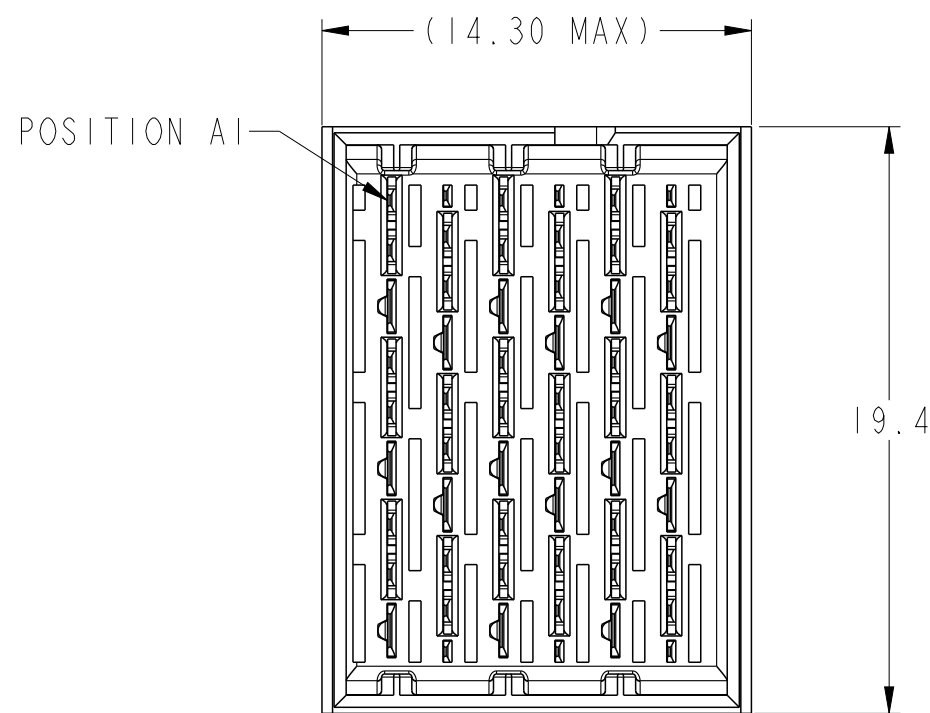
TAIL LENGTH
SEE NOTE 12

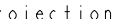
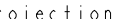
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				appr		Chen-Hong Tan		2014/12/10		product family		XCEDE		rel level	
														Released	
surface		✓		linear				title		MODULE ASSEMBLY		dwg no		10119189	
										VERTICAL HEADER, 6 COLUMN, 3 PAIR				rev	
ASME Y14.5				angular		0°		±2°		www.fci.com		cat. no.		-	
										Product - Customer Drw		sheet 6 of 8		B	



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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				ecm 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		title	MODULE ASSEMBLY				dwg no	10119189		rev
				VERTICAL HEADER, 6 COLUMN, 3 PAIR							
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw			sheet 7 of 8	

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STATUS:Released

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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 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.
3. PRODUCT SPECIFICATION: GS-12-588
4. APPLCATION SPECIFICATION: GS-20-121
5. PRODUCT MARKING (PART NUMBER AND LOT CODE) ON THESE SURFACES.
6. HOUSING MUST WITHSAND 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. OPTINAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE-PIN SUPPORT. SEE TABLE 1 ON SHEET 1 FOR ADDITIONAL DETAILS.
- B

12. TAIL LENGTH=1.3mm FOR Ø0.55[0.0217"]COMPLIANT PIN DRILL
TAIL LENGTH=1.5mm FOR Ø0.45[0.0177"]COMPLIANT PIN DRILL
13. A

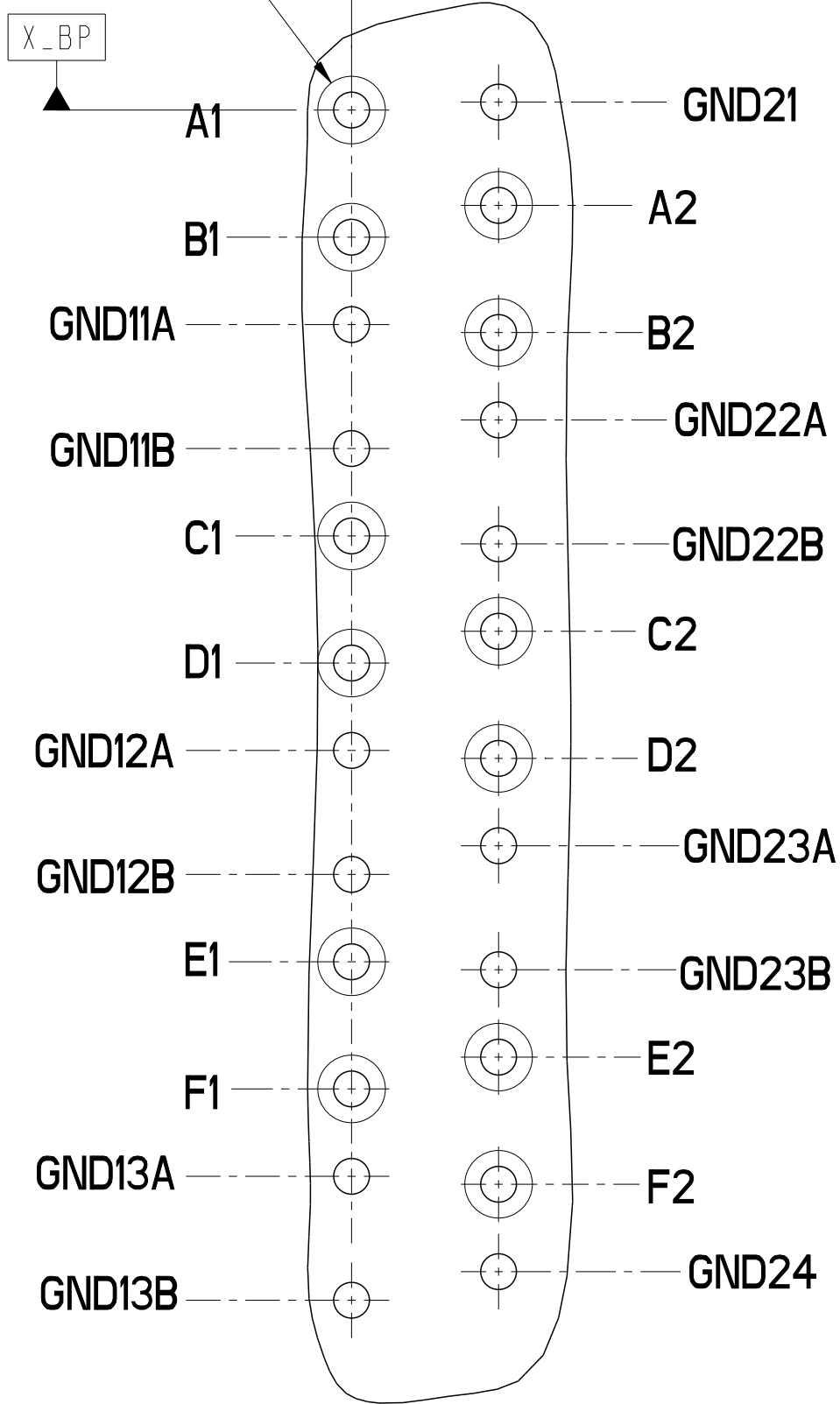
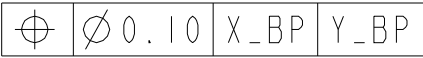
B

 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
Ø0.55 [0.0217"]	Ø0.45±0.05	Ø0.85
Ø0.45 [0.0177"]	Ø0.36±0.05	Ø0.75

REFER TO TABLE 3 FOR PTH, DRILL & PAD SIZES



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							

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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