



10130104 - X0E - XXXLF

8-COLUMN
DIFFERENTIAL
SIGNAL

LEAD-FREE DESIGNATION
ONLY WITH APPLICABLE
PLATING CODES

LETTER	PERFORMANCE-BASED PLATING (SEE NOTE 2)	
	TARGET APPLICATION	LEAD FREE (LF)
K	TELCORDIA CO	NO
M	TELCORDIA CO	YES

NUMBER	GUIDE PIN STYLE (SEE NOTE 8)	NOT TOOLED
0	STANDARD GUIDE PIN, MACHINED	
1	STANDARD GUIDE PIN, ROLLED	

MODULE DESCRIPTION	LETTER DESIGNATION REPRESENTED IN DASH NUMBER										BASE MODULE
LEFT POLARIZING GUIDANCE MODULE (SEE SHEET 6)	N	J	A	B	C	D	E	F	G	H	
	NO KEY NO GUIDE PIN										
RIGHT POLARIZING GUIDANCE MODULE (SEE SHEET 7)	Z	Y	P	Q	R	S	T	U	V	W	
	NO KEY NO GUIDE PIN										
OPEN MODULE (TWO WALL) (SEE SHEET 2)	0 (ZERO)										
LEFT WALL MODULE (SEE SHEET 3)	L										
RIGHT WALL MODULE (SEE SHEET 4)	M										
FOUR WALL MODULE (SEE SHEET 5)	1 (ONE)										

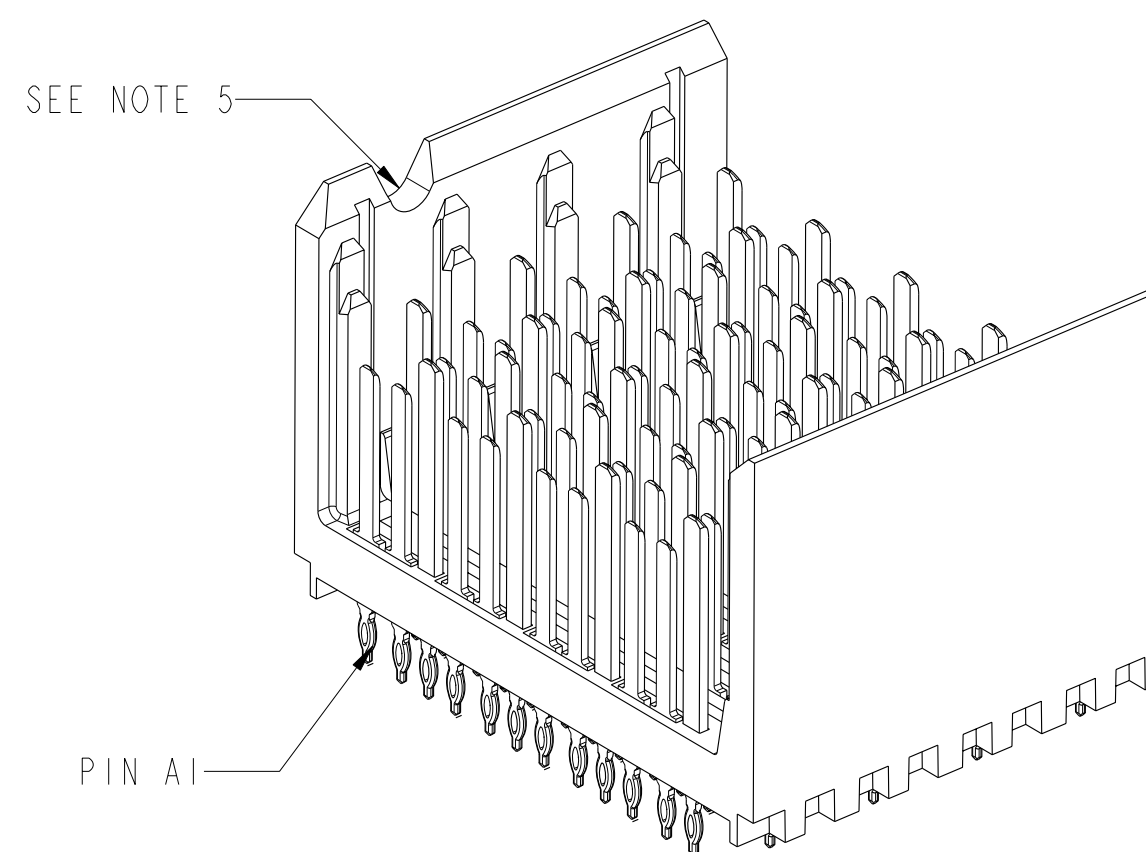
NUMBER	CONTACT MATING WIPE LENGTH		COMPLIANT TAIL TYPE (SEE NOTE 9)
	SIGNAL	GROUND	
1	2 MM	4 MM	0.55 (0.0217") DRILL
2	3 MM	4 MM	0.55 (0.0217") DRILL
3	2 MM	4 MM	0.45 MICRO (0.0177") DRILL
4	3 MM	4 MM	0.45 MICRO (0.0177") DRILL
5	2 MM	3 MM	0.55 (0.0217") DRILL
6	3 MM	3 MM	0.55 (0.0217") DRILL
7	2 MM	3 MM	0.45 MICRO (0.0177") DRILL
8	3 MM	3 MM	0.45 MICRO (0.0177") DRILL
FOR CUSTOM-LOADED MODULES, SEE INDIVIDUAL CUSTOM DRAWINGS WITH THE DRAWING-NUMBER FORMAT OF 10130104-XXXX, WHERE: "X" DENOTES MODULE TYPE PER CHART ON THIS SHEET "YYYY" IS A SEQUENTIAL NUMBER BEGINNING WITH "0001".			

TABLE 1 (SEE NOTE 11)		
	UNGROUNDED	GROUNDED
FHS	Ø2.35-Ø2.55	Ø2.35-Ø2.55
PAD	N/A	Ø5.50
PLATED	NO	YES
DRILL(mm)	2.44mm	2.58mm
DRILL(in)	0.096"	0.1015"

TABLE 2 (SEE NOTE 12)		
SCREW P/N	DESCRIPTION	BOARD THICKNESS
10091790-002LF	#2-56 X 0.375" LG. PHILIPS PANHEAD W/SQ CONICAL WASHER	1.60-5.00mm
10091790-003LF	#2-56 X 0.375" LG. PHILIPS PANHEAD W/SQ CONICAL WASHER	5.00-10.00mm

spec ref -			
tolerance std	ISO 406	TOLERANCES UNLESS OTHERWISE SPECIFIED	
	ISO 1101		
surface	linear	0.X	±0.3
		0.XX	±0.10
		0.XXX	±0.05
	ISO 1302	angular	0° ±2°

dr	Sander Soe	2014/05/16			size	A2	scale	1:1
eng	Sander Soe	2015/10/30			ecn no	ELX-S-18192-1		
chr	-	-			rel level			Released
appr	Chen-Hong Tan	2015/11/02	product family		-			
			title			MODULE ASSEMBLY, XCEDE HD		rev
			Veritcal Header, 4 Pair 8 Column			dwg no		B
www.fci.com			cat. no.			Product - Customer Drw		sheet 1 of 8



Pin 1 location diagram showing a 14-pin connector layout. The diagram includes dimensions and labels for the pins and their positions.

Dimensions:

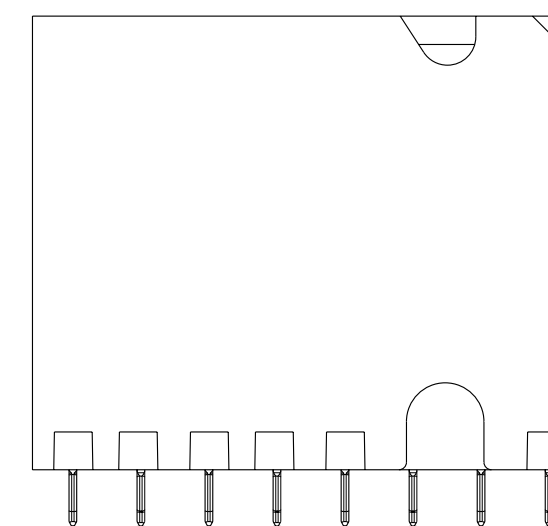
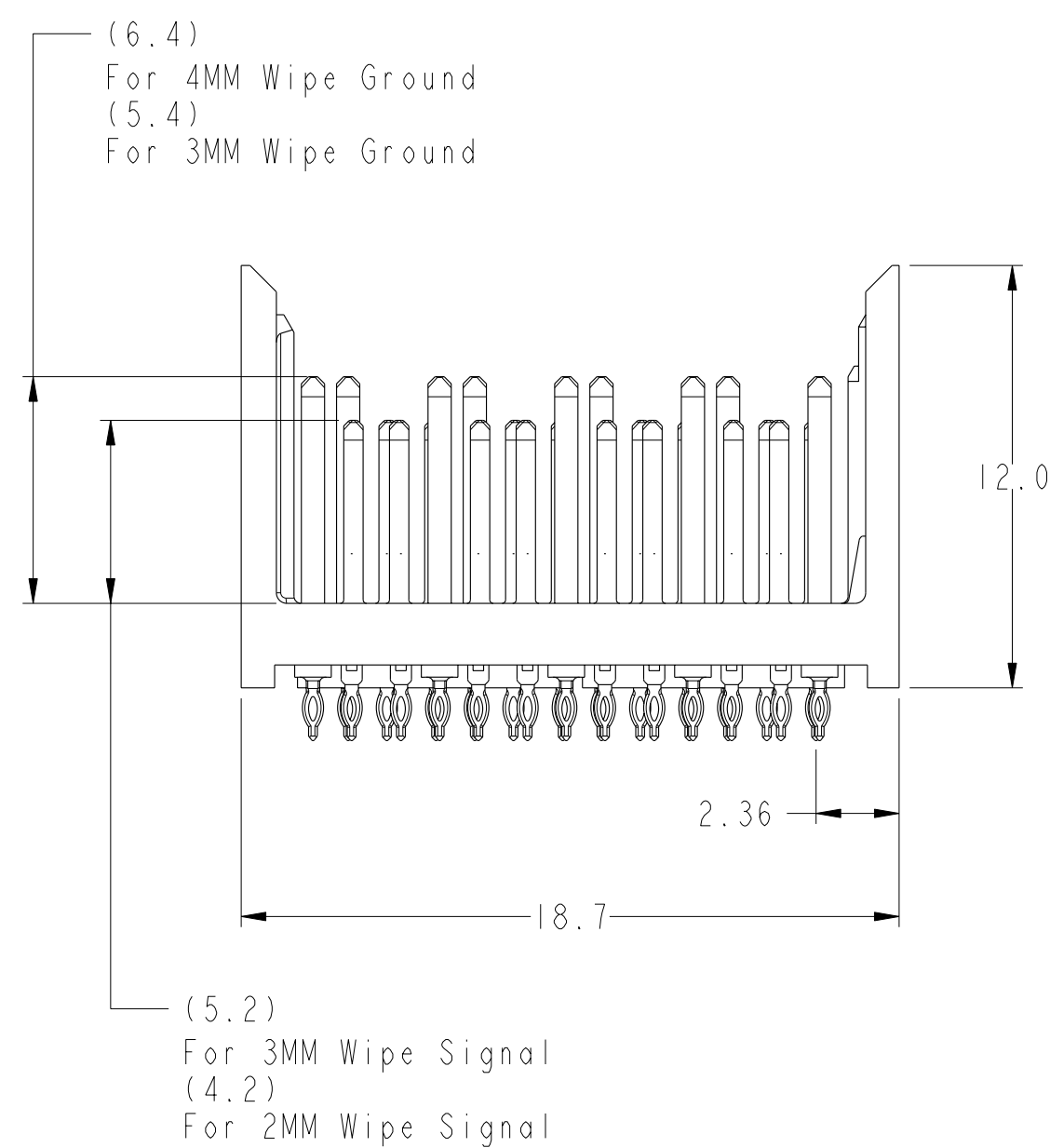
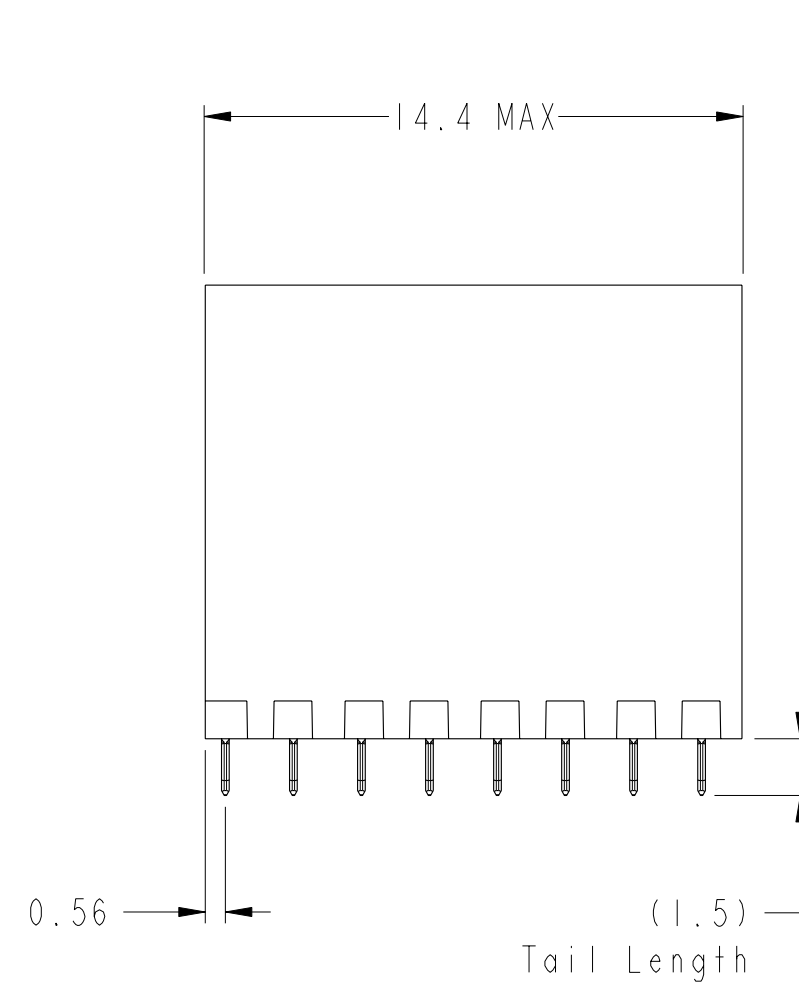
- Pin pitch: 0.56 (mm)
- Pin 1 to Pin 14 distance: 14.3 (mm)
- Pin 1 to Pin 14 distance (vertical): 18.7 (mm)
- Pin 1 to Pin 14 distance (horizontal): 2.36 (mm)

Pin Labels:

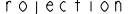
- Pin 1: A1
- Pin 2: B1
- Pin 3: GND11
- Pin 4: C1
- Pin 5: D1
- Pin 6: GND12
- Pin 7: E1
- Pin 8: F1
- Pin 9: GND13
- Pin 10: G1
- Pin 11: H1
- Pin 12: GND14
- Pin 13: I1
- Pin 14: J1

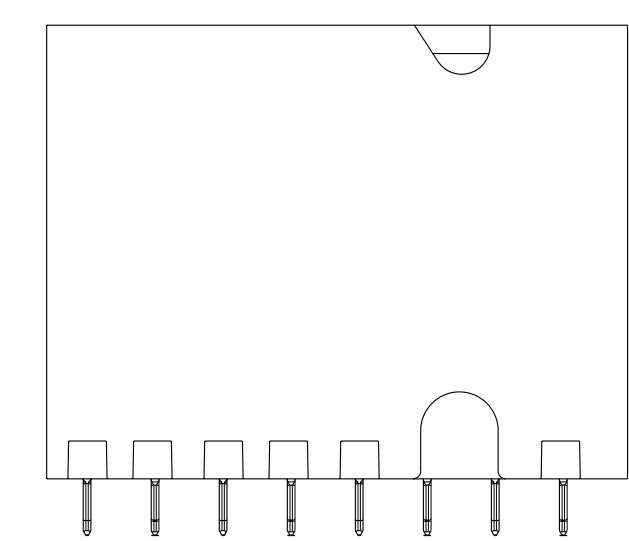
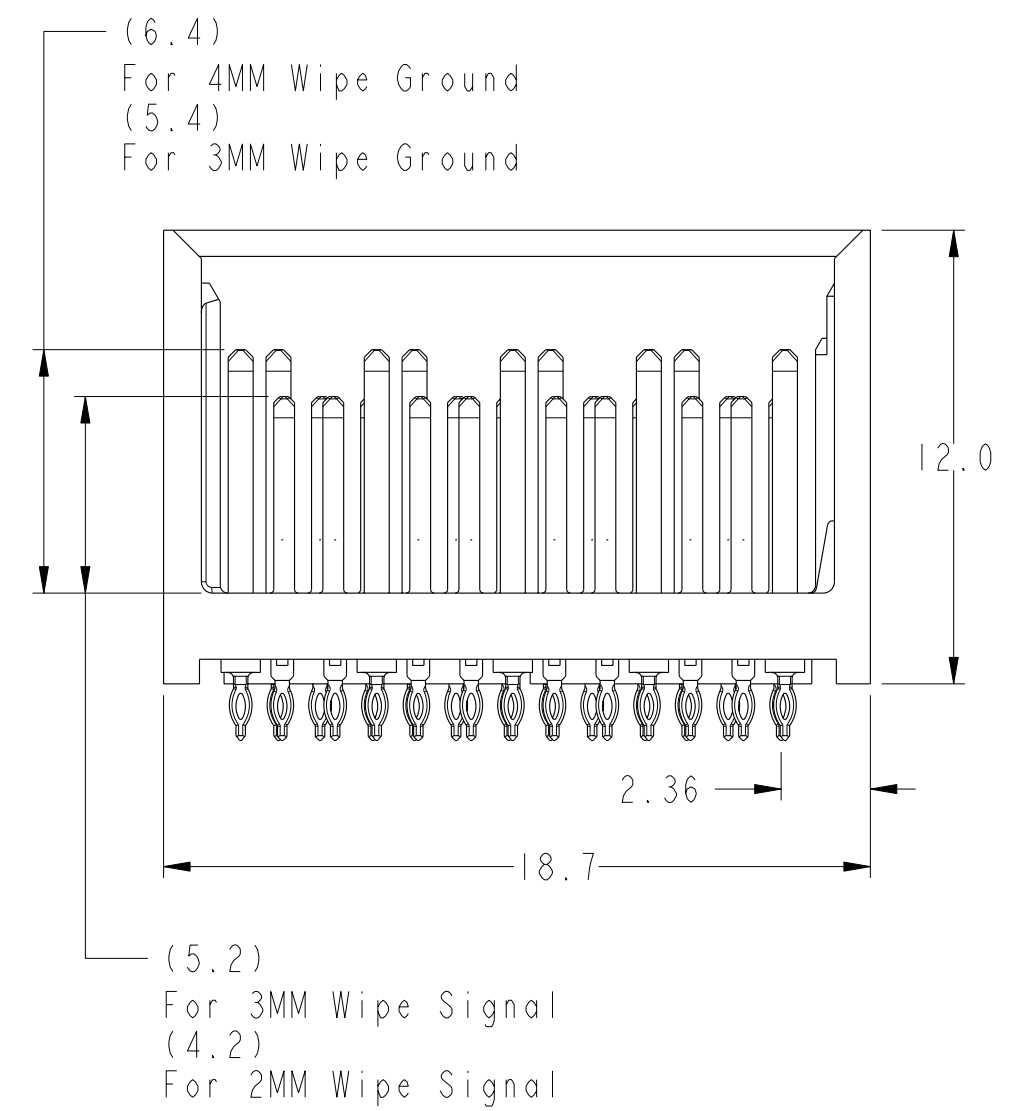
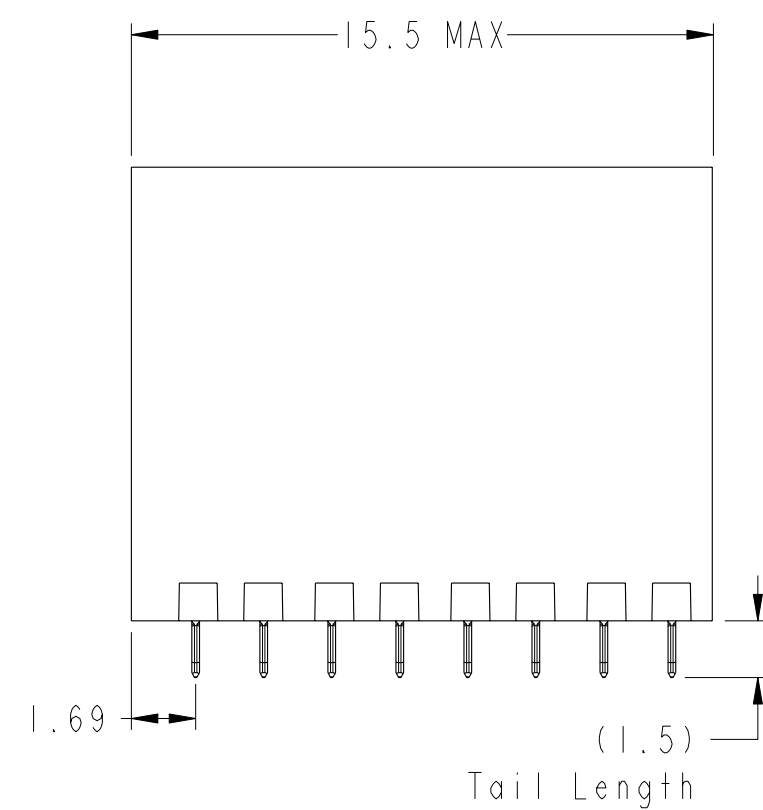
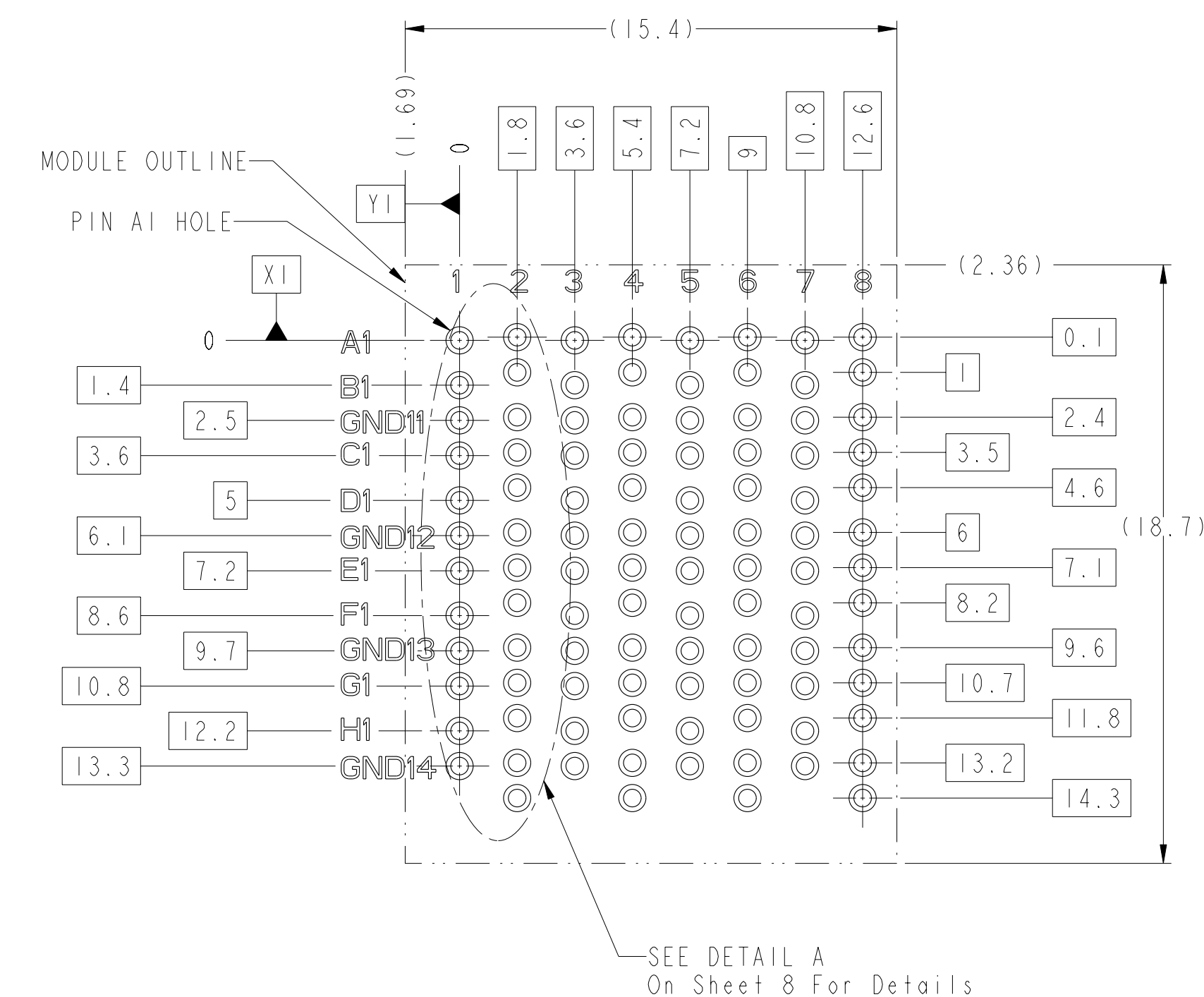
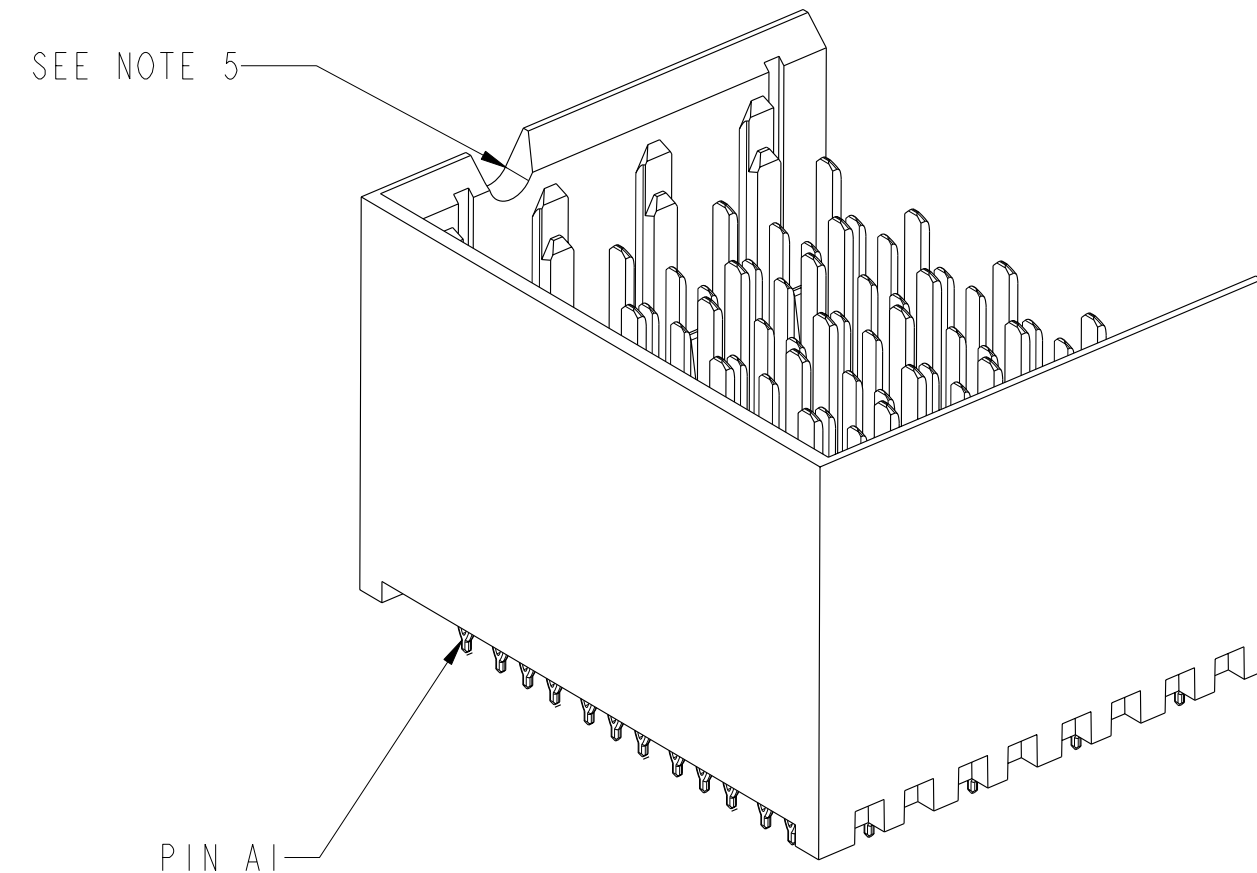
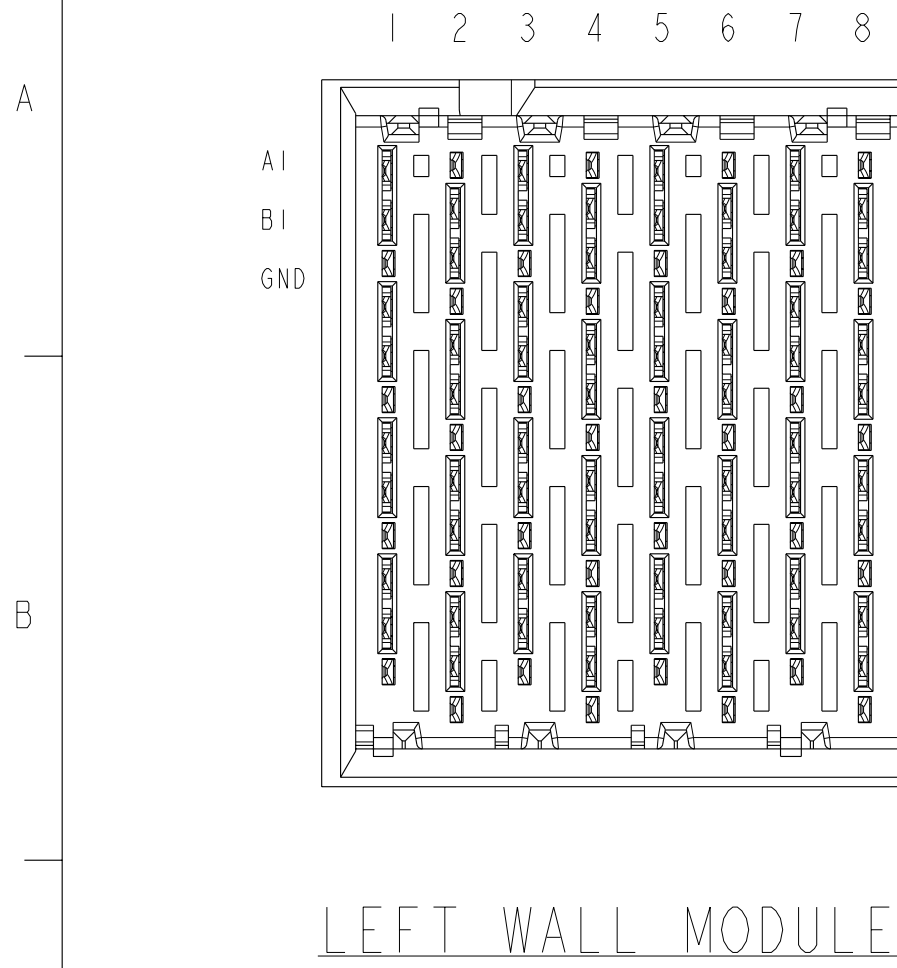
Other Labels:

- MODULE OUTLINE
- PIN AI HOLE
- Y1
- X1
- SEE DETAIL A On Sheet 8 For Details



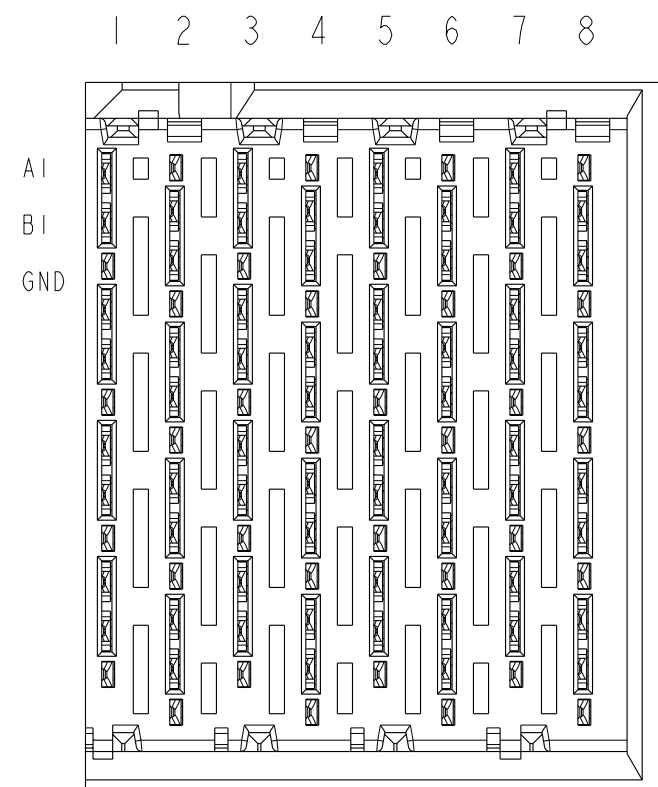
BP HOLE PATTERN COMPONENT SIDE
OPEN WALL MODULE BACKPLANE FOOTPRINT

spec ref		-		dr		Sander Soe		2014/05/16		projection		mm		size		A2		scale		1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Sander Soe		2015/10/30						ecn no		ELX-S-18192-1					
ISO 406				chr		-		-		product family		-		rel level		Released					
ISO 1101				appr		Chen-Hong Tan		2015/11/02													
surface				linear				title		MODULE ASSEMBLY, XCEDE HD		dwg no		10130104		rev		B			
		0.X		±0.3																	
		0.XX		±0.10																	
		0.XXX		±0.05																	
ISO 1302		angular		0°		±2°		www.fci.com		cat. no.		-		Product-		Customer Drw		sheet 2 of 8			

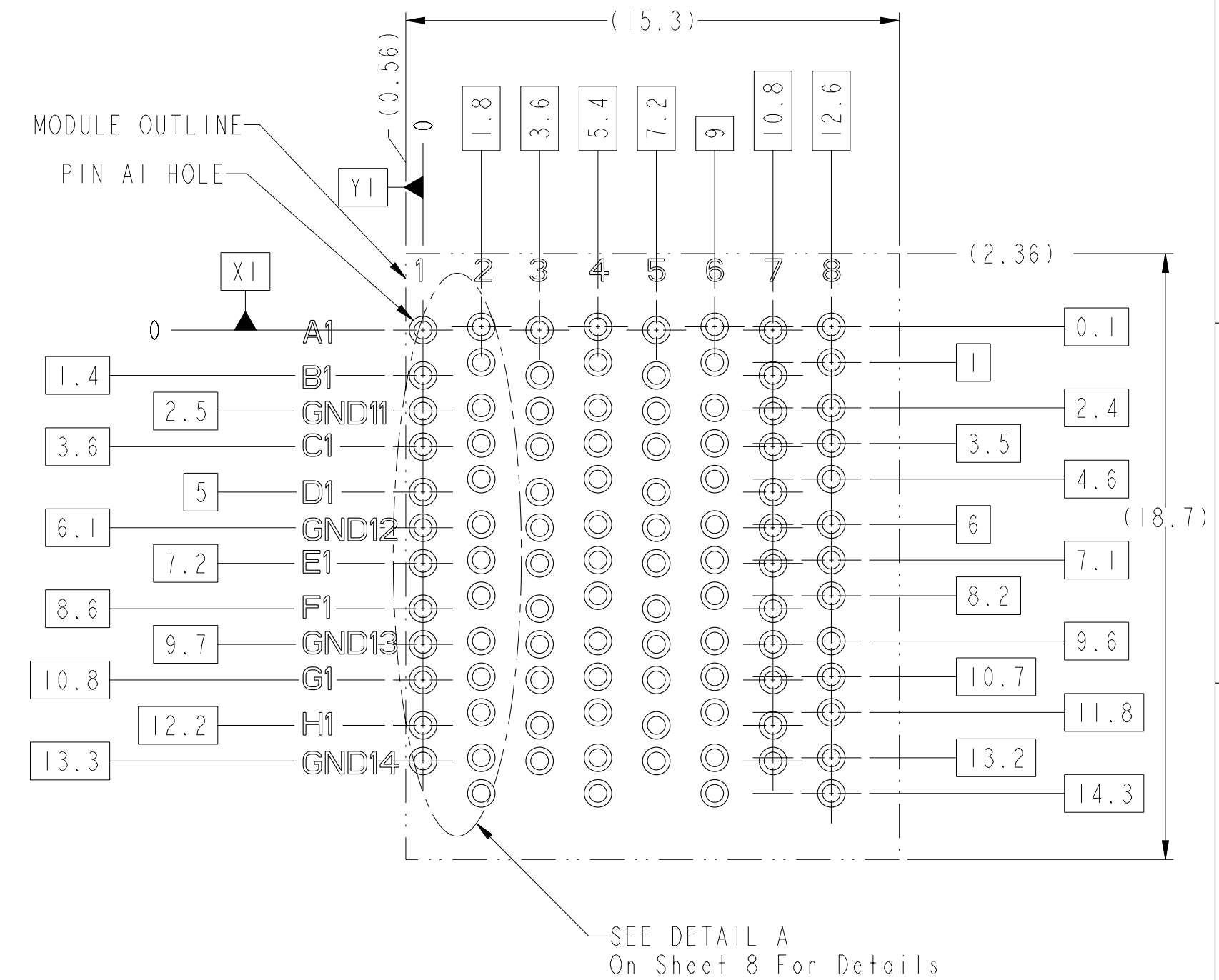
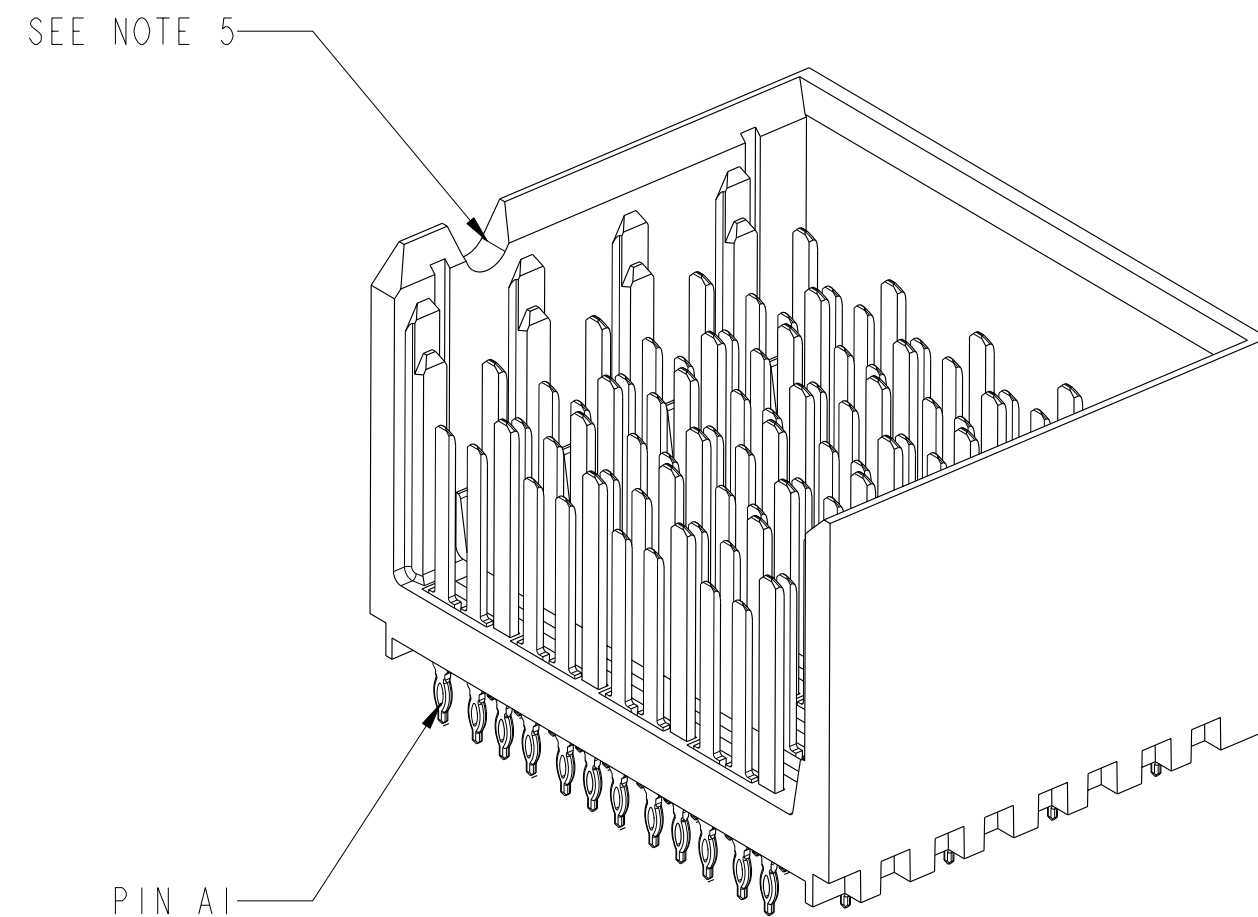


BP HOLE PATTERN COMPONENT SIDE
LEFT WALL MODULE BACKPLANE FOOTPRINT

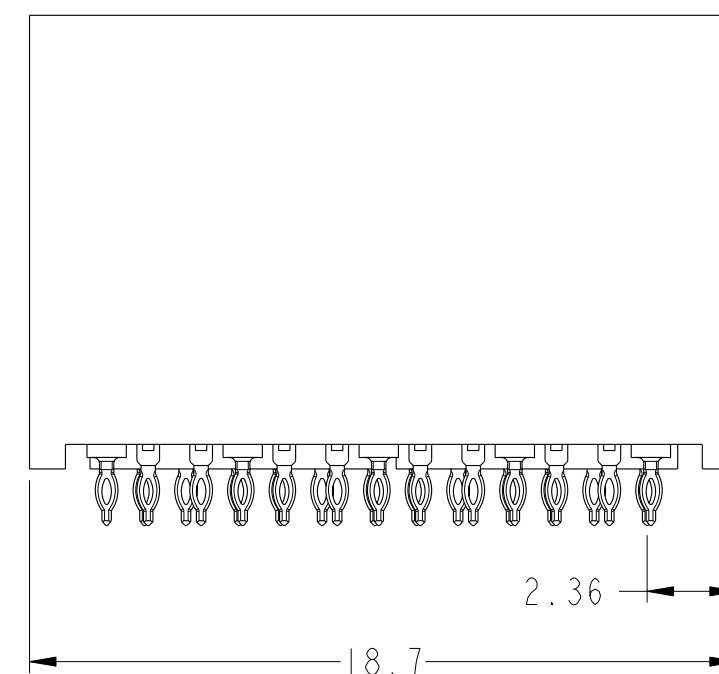
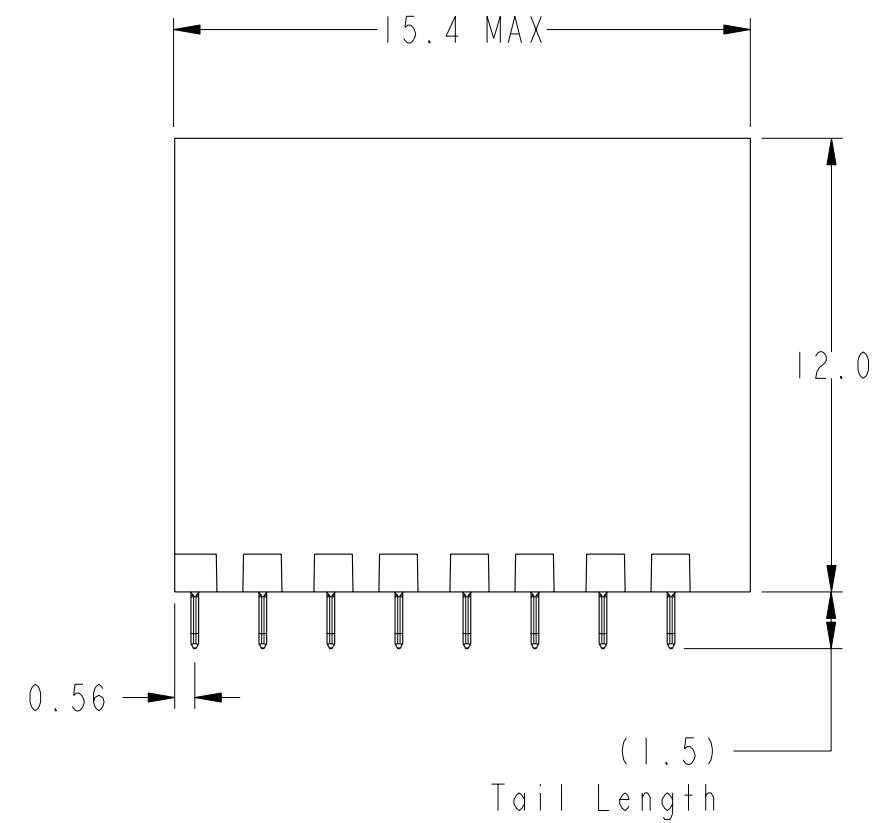
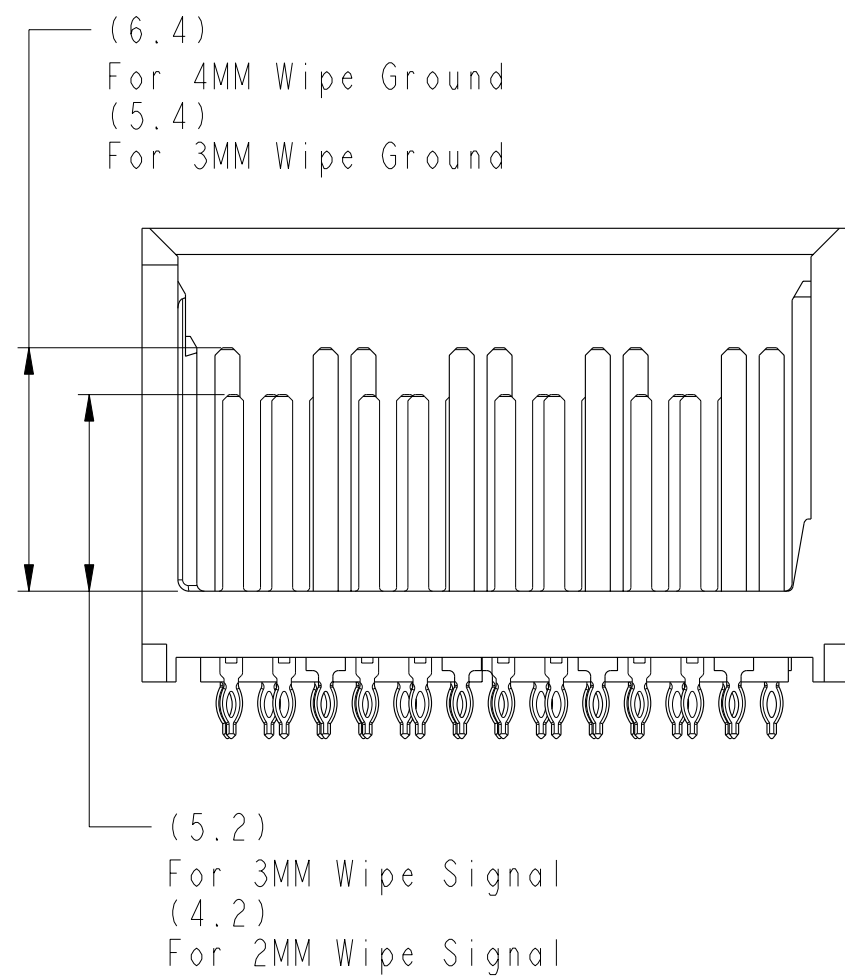
spec ref	-	dr	Sander Soe	2014/05/16	projection	mm	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sander Soe	2015/10/30	chr	-	ecn no	ELX-S-18192-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2015/11/02	product family	-	cat. no.	Product - Customer Drw	sheet 3 of 8	rev



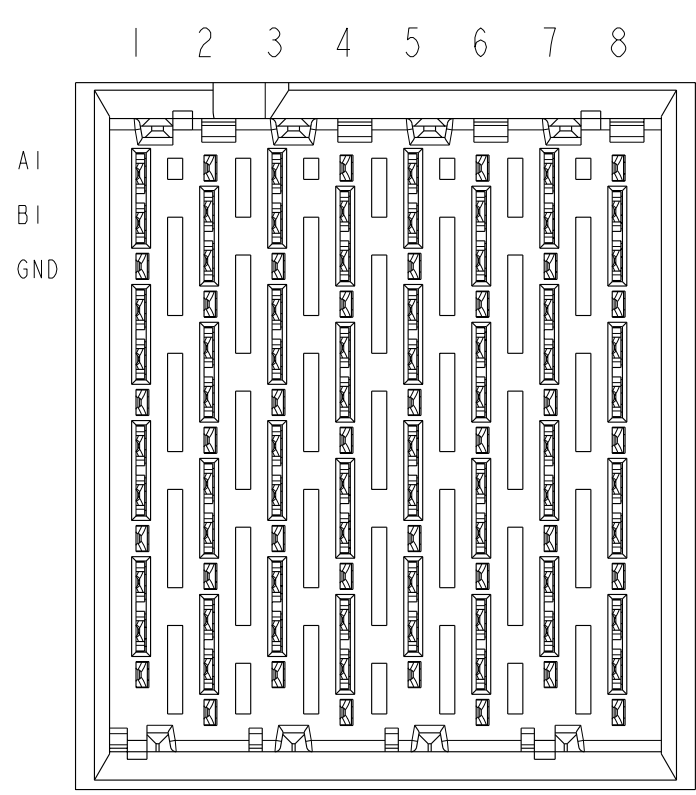
RIGHT WALL MODULE



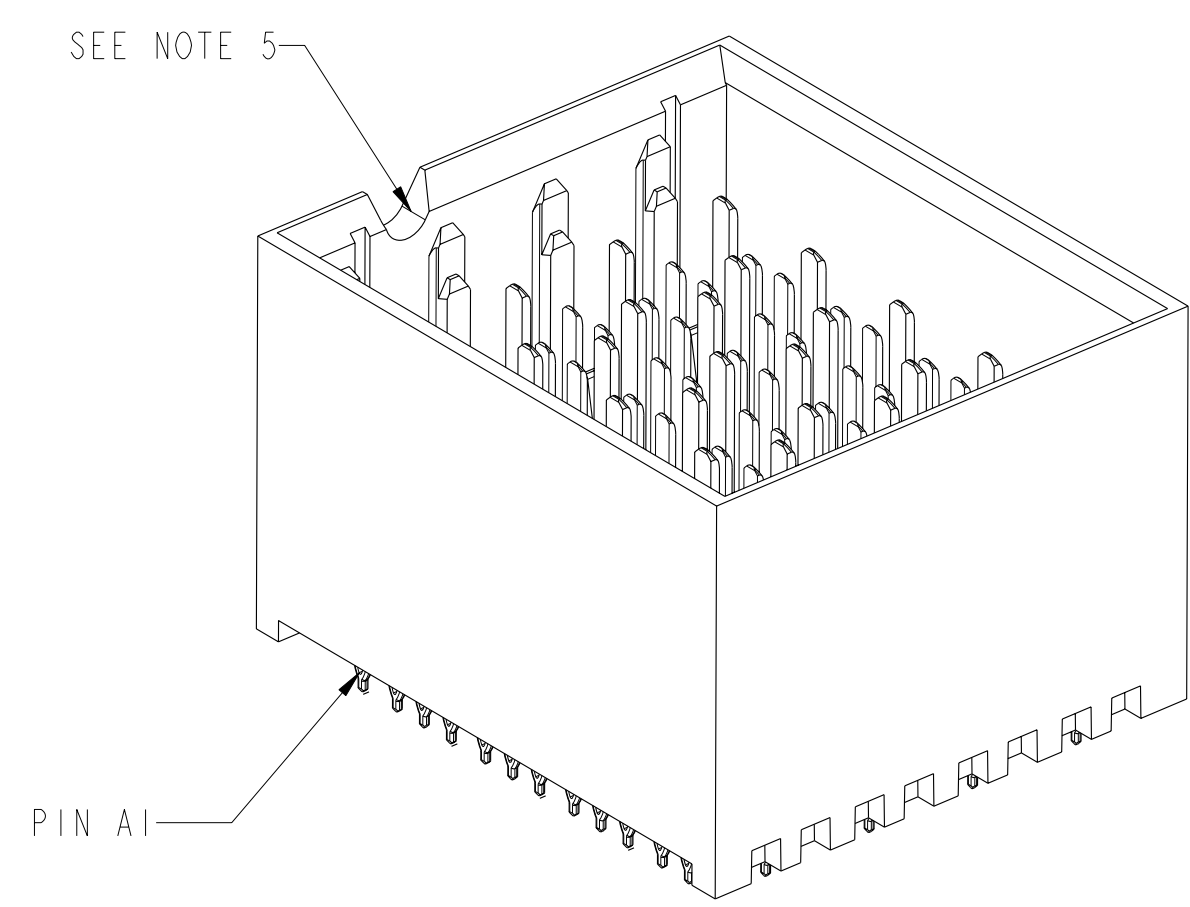
BP HOLE PATTERN COMPONENT SIDE
RIGHT WALL MODULE BACKPLANE FOOTPRINT



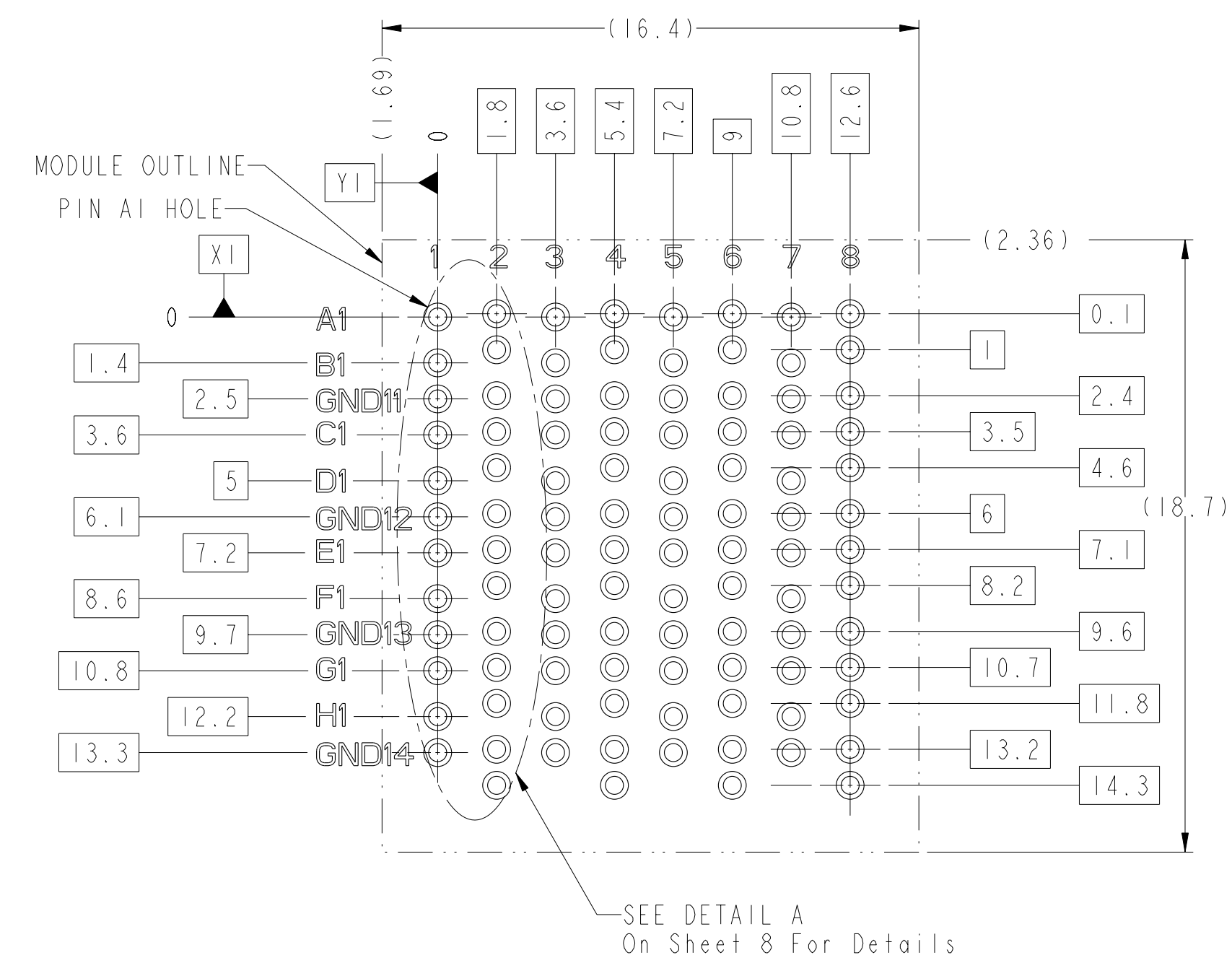
spec ref	-	dr	Sander Soe	2014/05/16	projection	mm	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sander Soe	2015/10/30	chr	-	ecn no	ELX-S-18192-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2015/11/02	product family	-	cat. no.	-	Product - Customer Drw	sheet 4 of 8
TOLERANCES UNLESS OTHERWISE SPECIFIED		FCI		MODULE ASSEMBLY, XCEDE HD		10130104		rev		B
linear		0.X		±0.3		0.XX		±0.10		
angular		0°		±2°		0.XXX		±0.05		



FOUR WALL MODULE

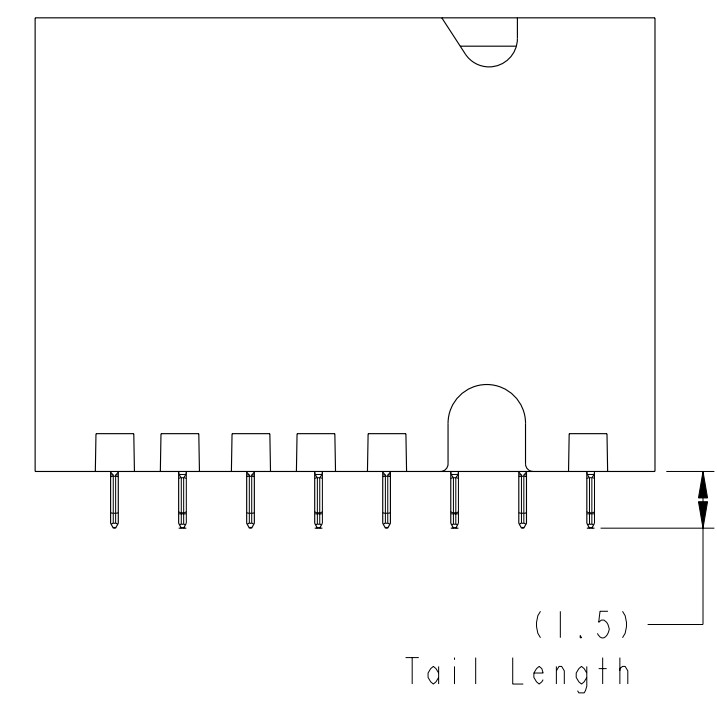
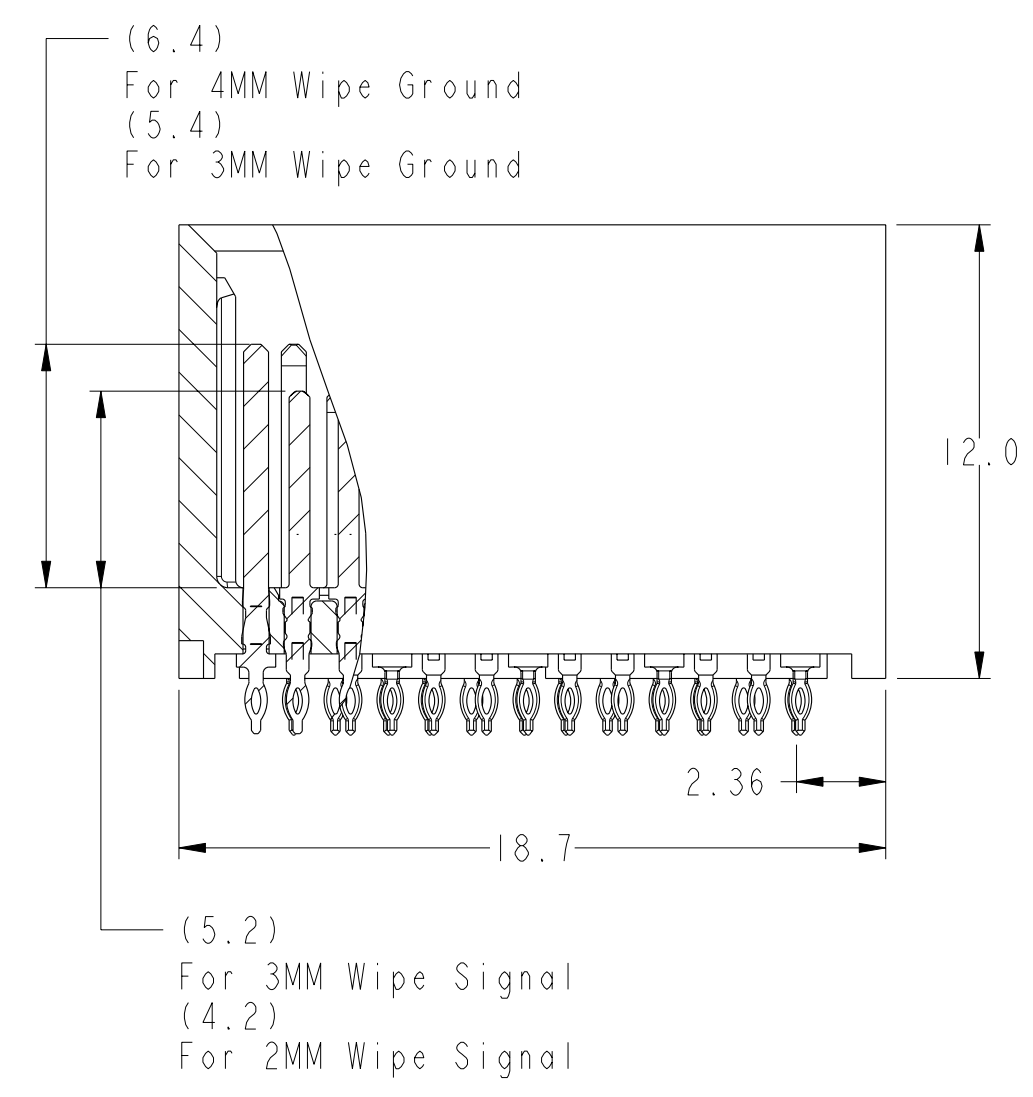
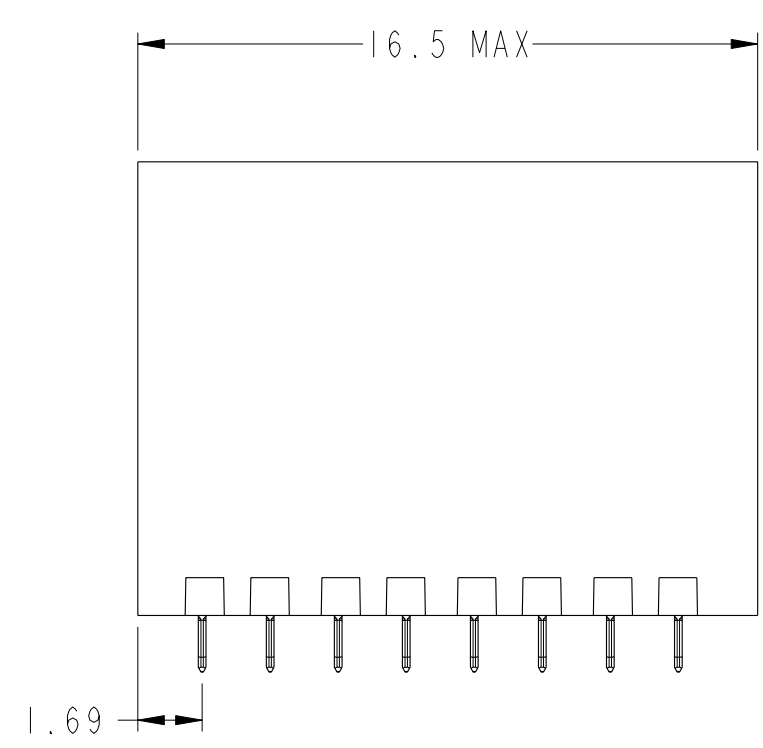


PIN A1



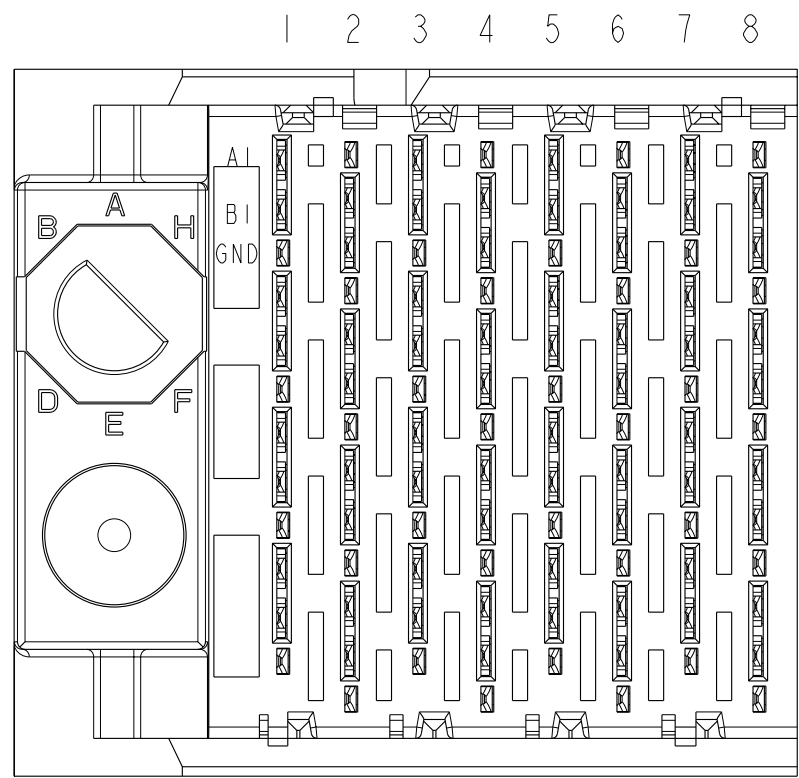
BP HOLE PATTERN COMPONENT SIDE

FOUR WALL MODULE BACKPLANE FOOTPRINT



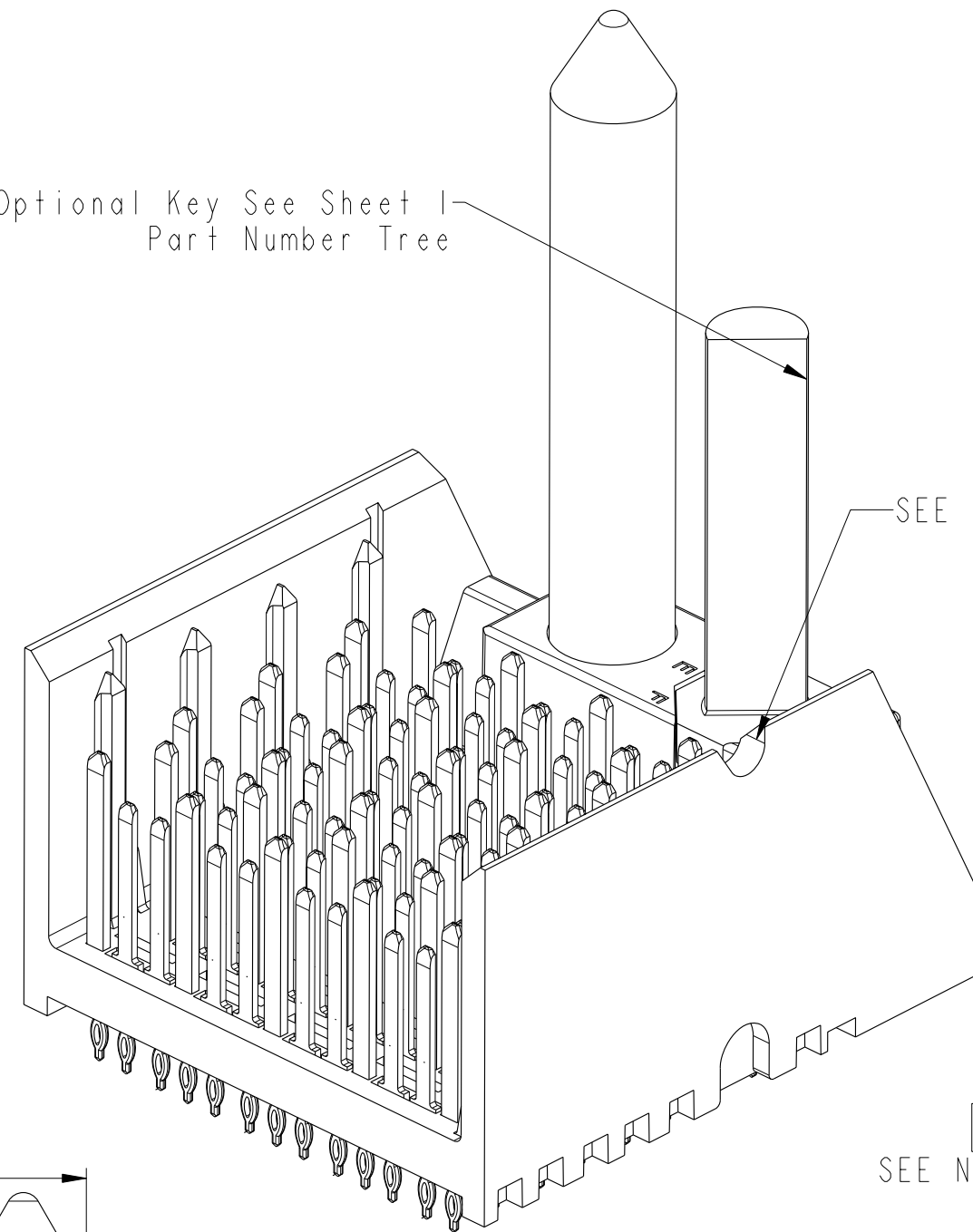
spec ref -				dr Sander Soe 2014/05/16		projection 	mm 	size A2	scale 1:1
tolerance std ISO 406 ISO 1101		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Sander Soe 2015/10/30				ecn no ELX-S-18192-1	rel level Released
				chr - -					
				appr Chen-Hong Tan 2015/11/02		product family -			
surface  ISO 1302		linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05		title MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 8 Column	dwg no 10130104	rev B		
		angular	0° ±2°						
www.fci.com				cat. no. -		Product - Customer Drw			sheet 5 of 8

A
B
C
D
E
F



LEFT POLARIZING/GUIDE MODULE

Optional Key See Sheet I
Part Number Tree

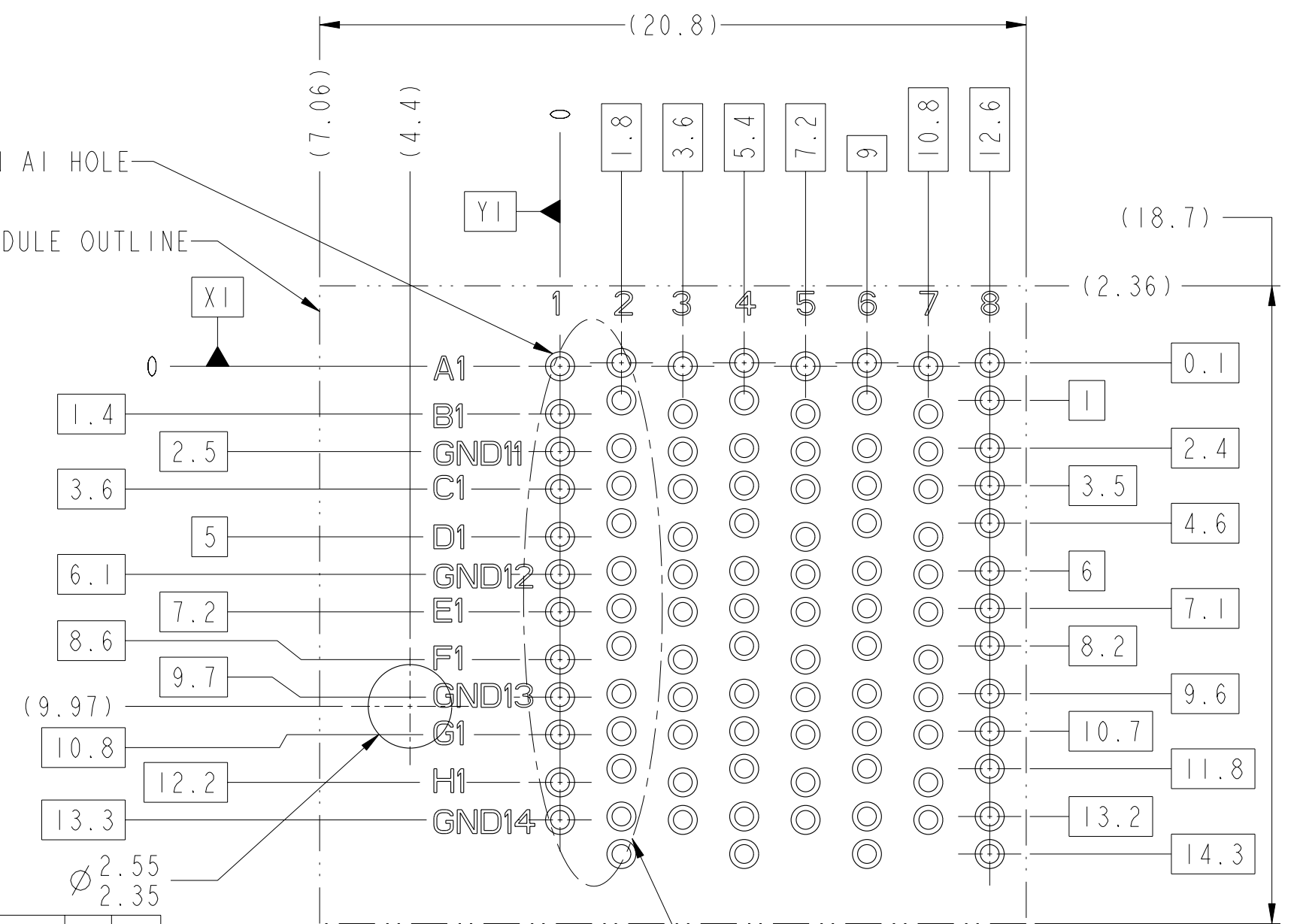


SEE NOTE 5

$\phi 0.15$ XI YI
SEE NOTE 11 & TABLE 1

PIN AI HOLE

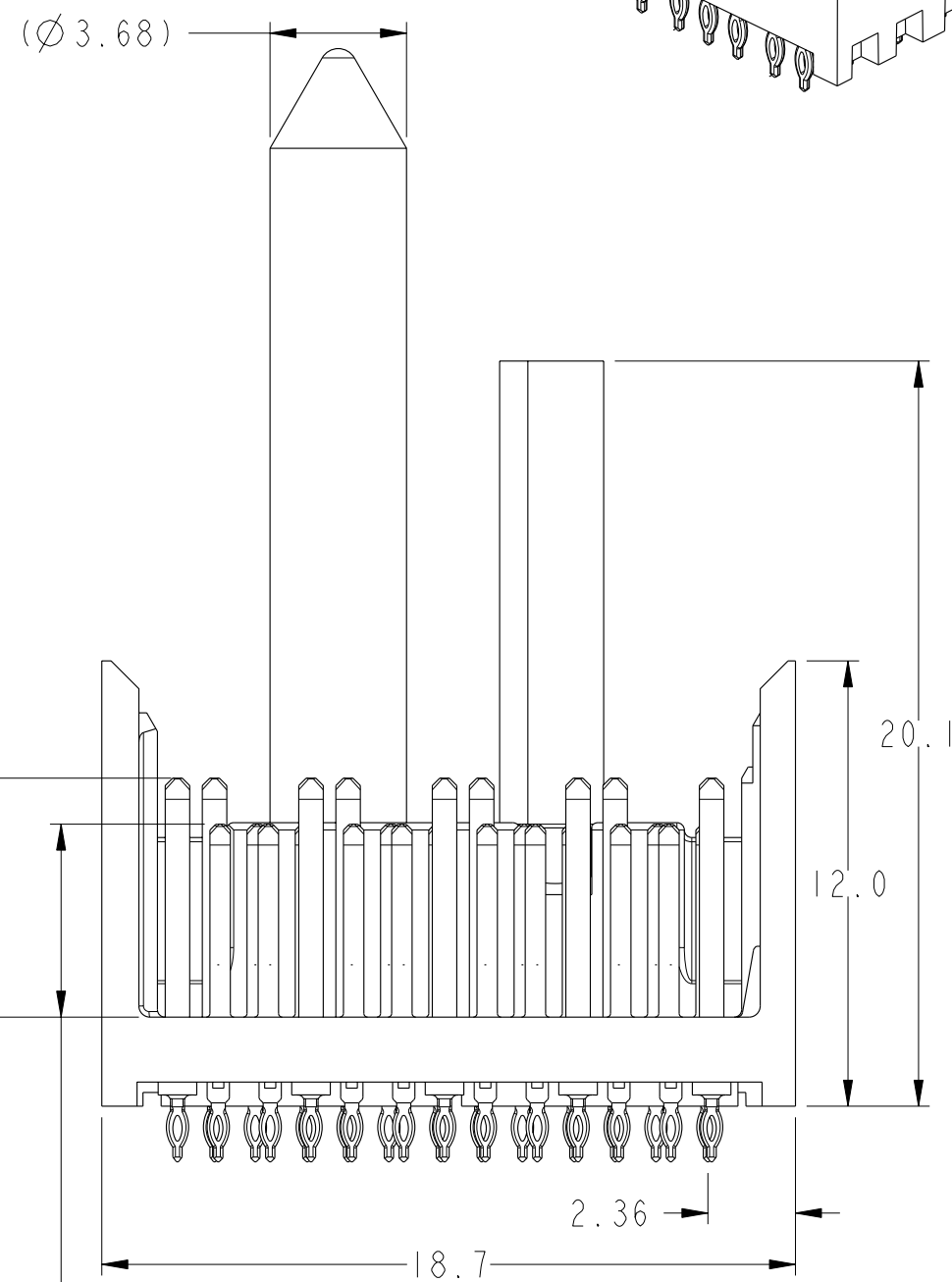
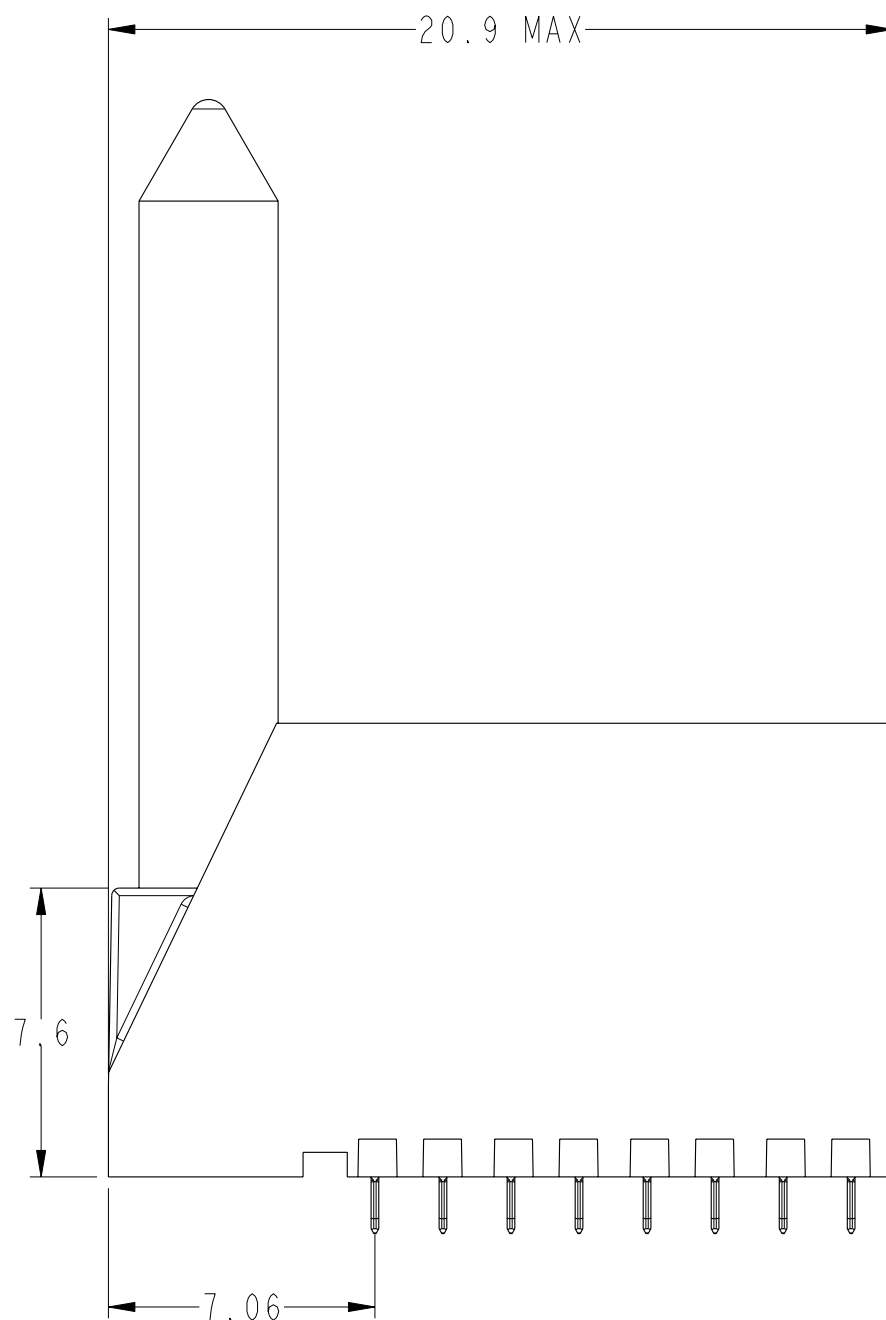
MODULE OUTLINE



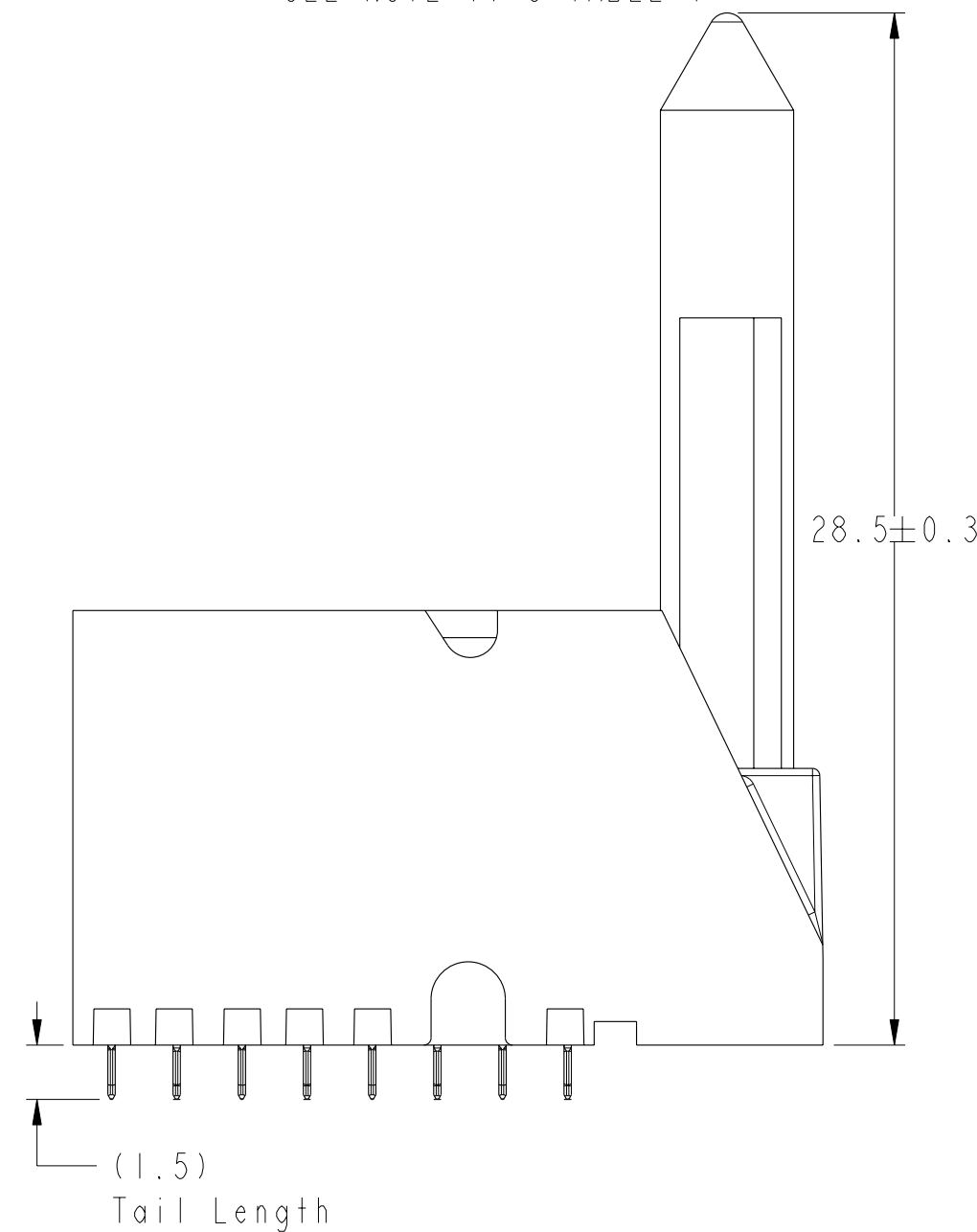
SEE DETAIL A
OnSheet 8 For Details

BP HOLE PATTERN COMPONENT SIDE

LEFT POLARIZING GUIDE MODULE
BACKPLANE FOOTPRINT



(5.2)
For 3MM Wipe Signal
(4.2)
For 2MM Wipe Signal
(6.4)
For 4MM Wipe Ground
(5.4)
For 3MM Wipe Ground

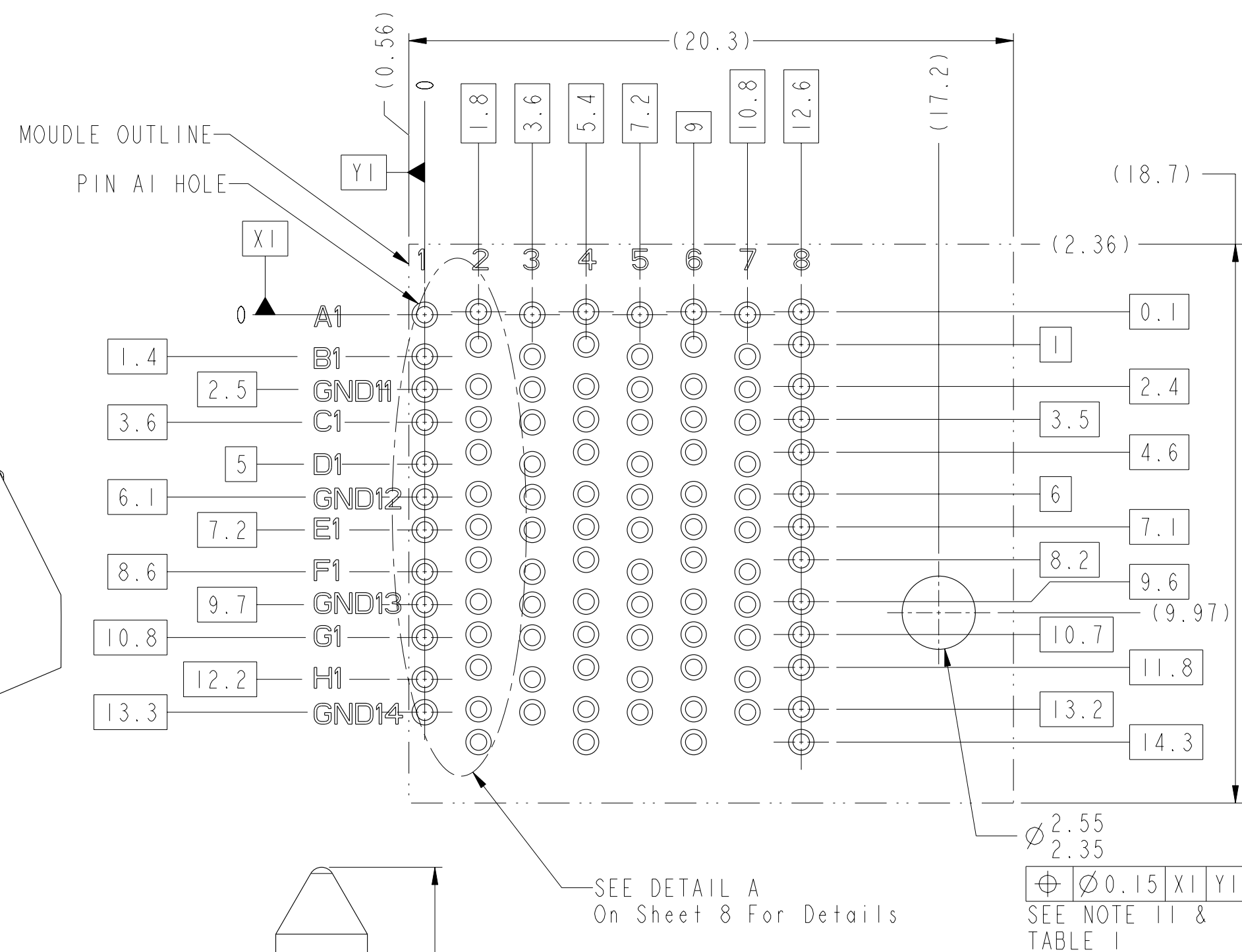
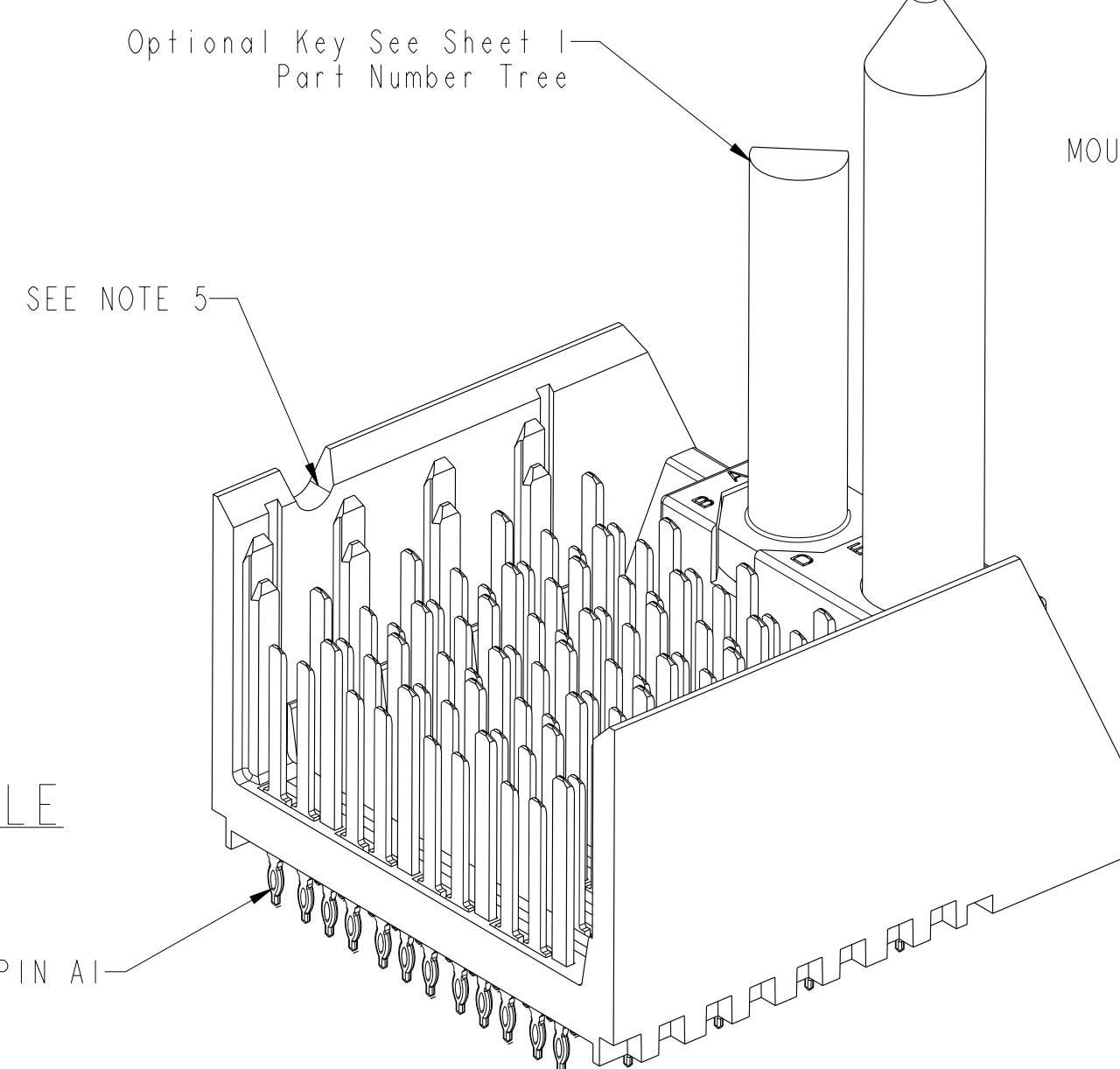
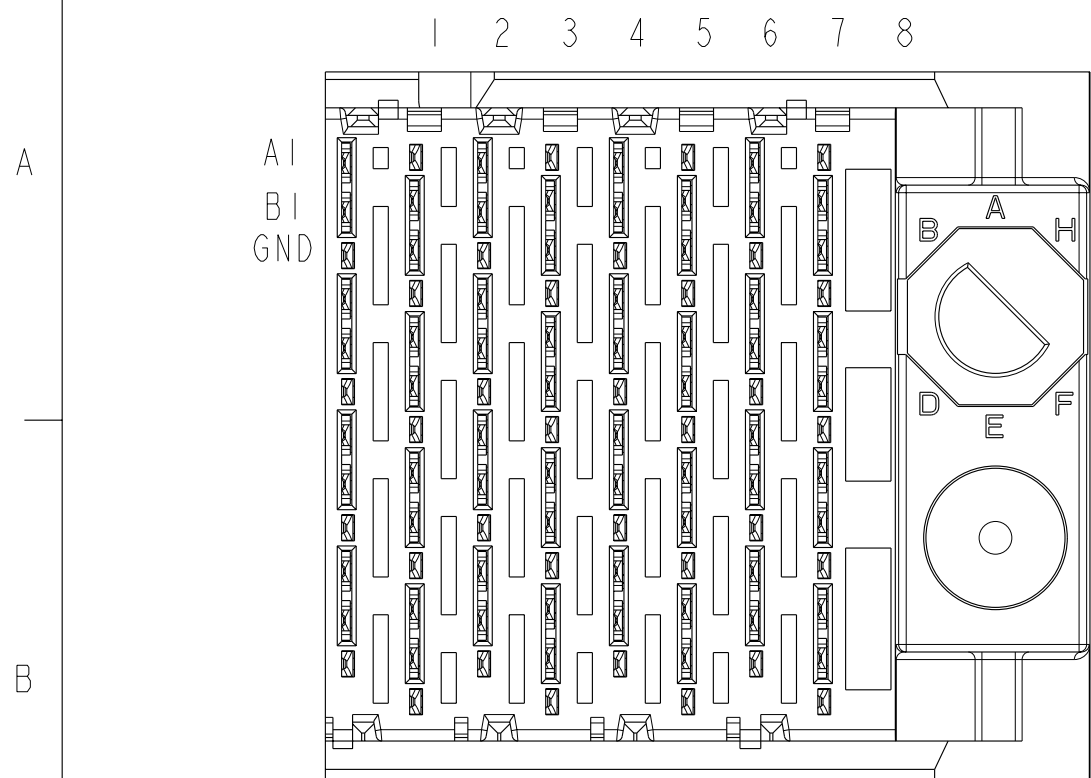


spec ref	-	dr	Sander Soe	2014/05/16	projection	mm	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sander Soe	2015/10/30	chr	-	ecn no	ELX-S-18192-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2015/11/02	product family	-	cat. no.	-	Product - Customer Drw	sheet 6 of 8
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	angular	0° ±2°	title	MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 8 Column	dwg no	10130104	rev	B	

PDS: Rev :B

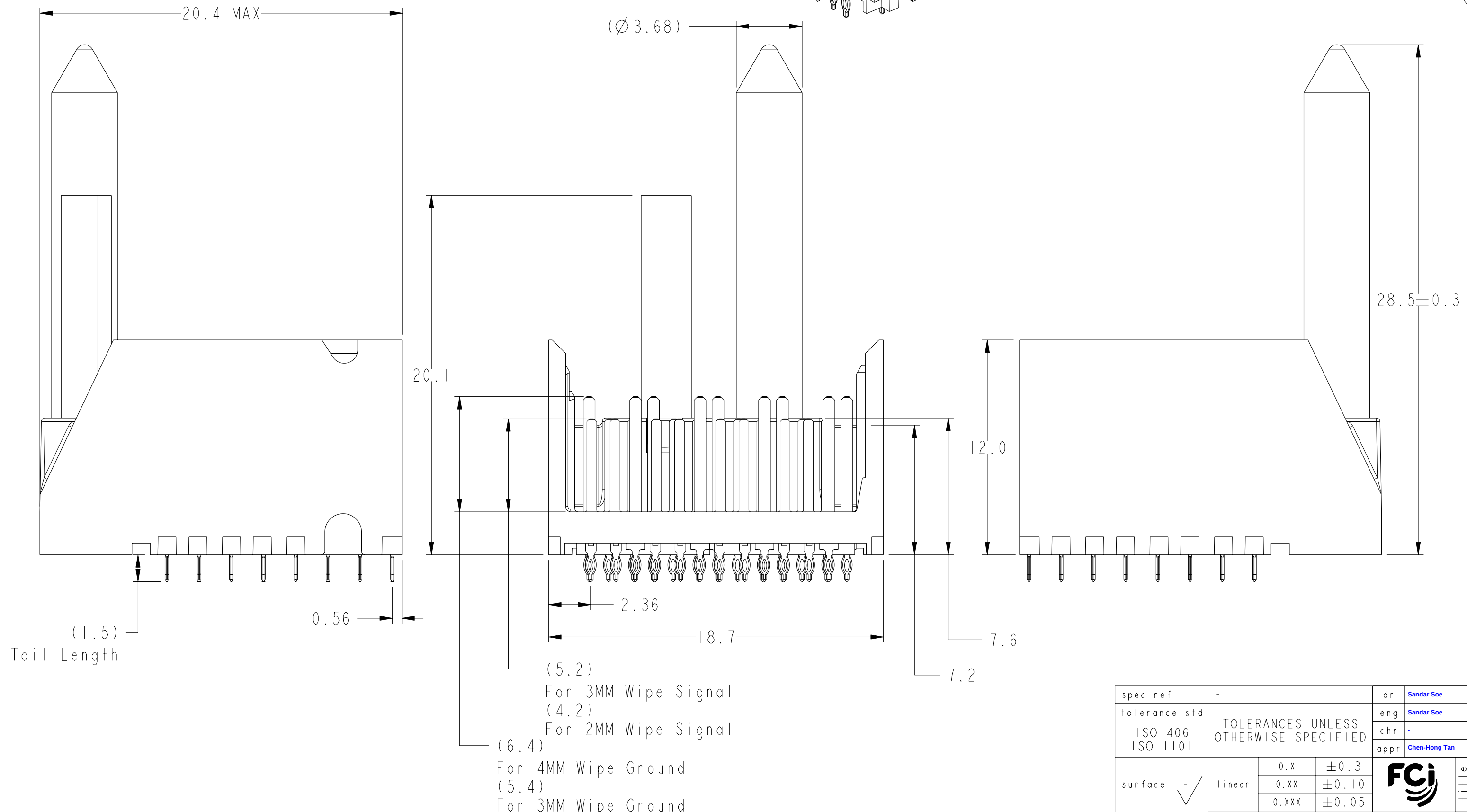
STATUS:Released

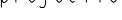
Printed: Nov 03, 2015



RIGHT POLARIZING/GUIDE MOUDLE

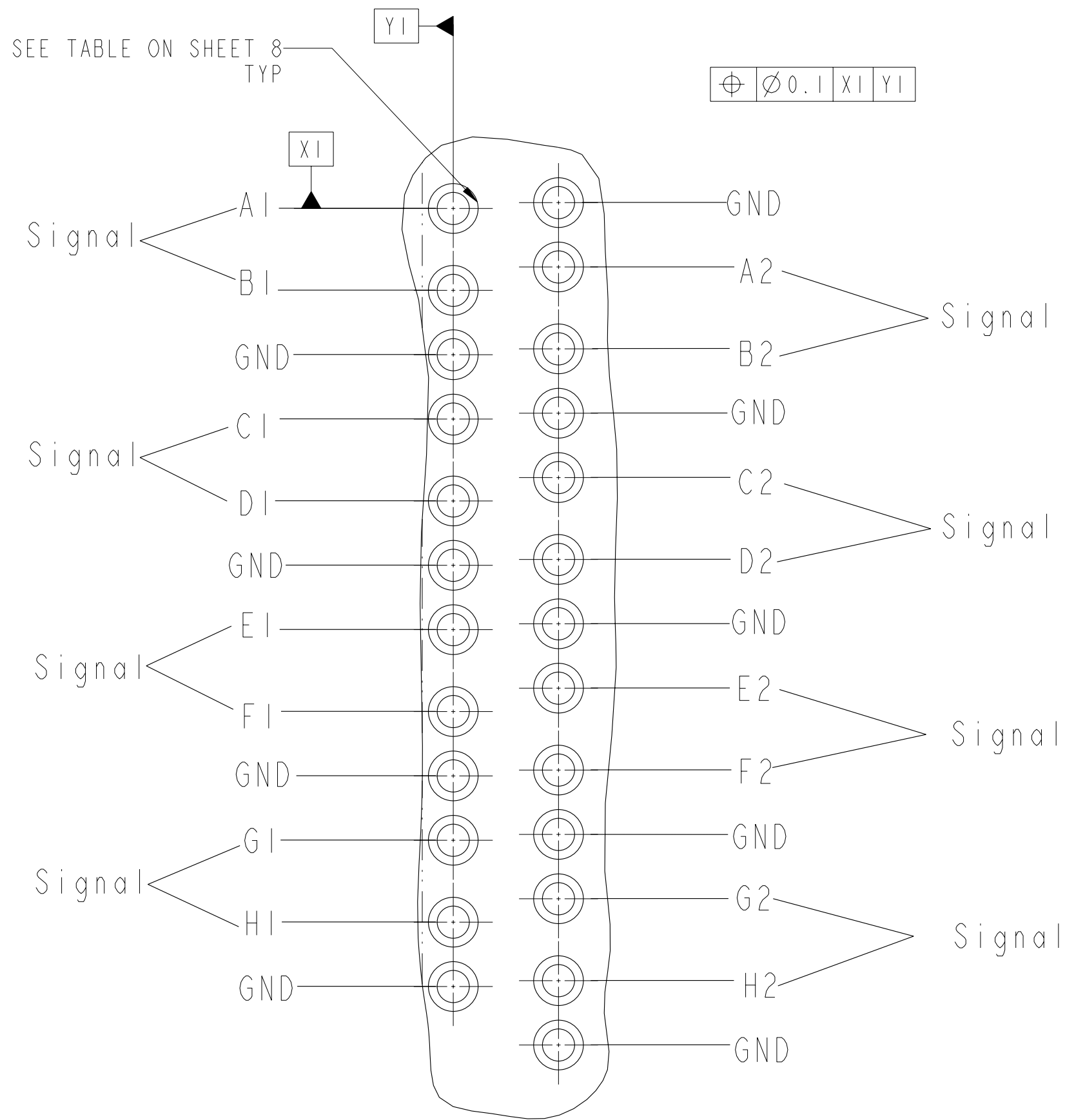
BP HOLE PATTERN COMPONENT SIDE
RIGHT POLAIZING/GUIDE MODULE
BACKPLANE FOOTPRINT



spec ref		-		dr		Sander Soe		2014/05/16		projection		mm		size		A2		scale		1:1	
tolerance std				eng		Sander Soe		2015/10/30						ecn no		ELX-S-18192-1					
ISO 406 ISO 1101		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		-						rel level		Released					
				appr		Chen-Hong Tan		2015/11/02		product family		-									
surface		- 		linear				title		MODULE ASSEMBLY, XCEDE HD		dwg no		10130104		rev					
								Veritcal Header, 4 Pair 8 Column													
ISO 1302				angular				0°		±2°											
				www.fci.com		cat. no.		-		Product - Customer Drw				sheet 7 of 8							

Copyright FCI.
FCI

TABLE 3		
	COMPLIANT PIN DRILL $\varnothing 0.55[0.0217"]$	COMPLIANT PIN DRILL $\varnothing 0.45[0.0177"]$
PTH	$\varnothing 0.45\pm 0.05$	$\varnothing 0.36\pm 0.05$
DRILL	$\varnothing 0.55 [0.0217"]$	$\varnothing 0.45 [0.0177"]$
PAD	$\varnothing 0.85$	$\varnothing 0.75$



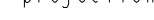
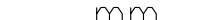
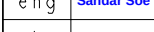
DETAIL A
SCALE 12:1

NOTES:

- CONNECTOR MATERIALS
SHROUD : HIGH-TEMP POLYMER, COLOR : BLACK, UL94V-0
CONTACTS : HIGH PREFORMANCE 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) 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-12-0936
- APPLICATION SPECIFICATION : GS-20-0348
- NOTCH DESIGNATES "ROW A" SIDE OF CONNECTOR. NOTCH FEATURE ON OPPOSITE FOR PRODUCT MARKING.
- PRODUCT MARKING :
PART NUMBER (10130104-X0J-XXXLF)
"FCI" AND DATE CODE (FCI P#####)
- PACKAGING MEETS GS-14-920 LEAD-FREE LABELING SPECIFICATION.
- GUIDE-PIN STYLE DESIGNATION ONLY APPLIES TO MODULE VERSIONS THAT REQUIRE GUIDE-PIN HARDWARE. FOR ALL NON-GUIDE-PIN VERSIONS, THE DEFAULT DASH-NUMBER DIGIT IN THAT LOCATION IS STILL "0".
- SEE APPLICATION SPECIFICATION FOR ROUTING GUIDELINES, ADDITIONAL PTH GUIDELINES, MATED DIMENSIONS, GUIDE PIN SELECTION, ETC.
- A Δ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE THAT HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.
- OPTIONAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE-PIN SUPPORT. SEE TABLE 1 SHEET 1 FOR ADDITIONAL DETAILS.
- SCREW IS OPTIONAL AND ENGAGES WITH BOTTOM OF GUIDE PIN FROM BENEATH THE PCB FOR ADDITIONAL GUIDE-PIN SUPPORT.

spec ref		-		dr		Sander Soe		2014/05/16		projection		mm		size		A2		scale		1:1							
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Sander Soe		2015/10/30						ecn no		ELX-S-18192-1		rel level		Released							
ISO 406																											
ISO 1101																											
chr				-		-		2015/11/02		product family																	
appr						Chen-Hong Tan																					
surface				linear		0.X		±0.3				title		MODULE ASSEMBLY, XCEDE HD		dwg no		10130104		rev		B					
																								0.XX		±0.10	
																								0.XXX		±0.05	
																								angular		0°	
ISO 1302										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).



Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А