

10120124 - X0E - XXXLF

LEAD-FREE DESIGNATION
ONLY WITH APPLICABLE
PLATING CODES

8-COLUMN
DIFFERENTIAL
SIGNAL

LETTER	PLATING (SEE NOTE 6)	
	APPLICATION	TYPE (REFERENCE)
B	TELCORDIA CO	0.76µm GOLD or GXT
C	TELCORDIA UE	1.27µm GOLD
D	TELCORDIA CO	0.76µm GOLD or GXT, LEAD-FREE
E	TELCORDIA UE	1.27µm GOLD, LEAD-FREE

NUMBER	GUIDE PIN STYLE (SEE NOTE 8)
0	STANDARD GUIDE PIN, MACHINED
1	STANDARD GUIDE PIN, ROLLED

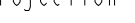
MODULE DESCRIPTION	LETTER DESIGNATION REPRESENTED IN DASH NUMBER										BASE MODULE
LEFT POLARIZING GUIDANCE MODULE (SEE SHEET 6)	N	J	A	B	C	D	E	F	G	H	
	NO KEY NO GUIDE PIN										
RIGHT POLARIZING GUIDANCE MODULE (SEE SHEET 7)	Z	Y	P	Q	R	S	T	U	V	W	
	NO KEY NO GUIDE PIN										
OPEN MODULE (TWO WALL)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

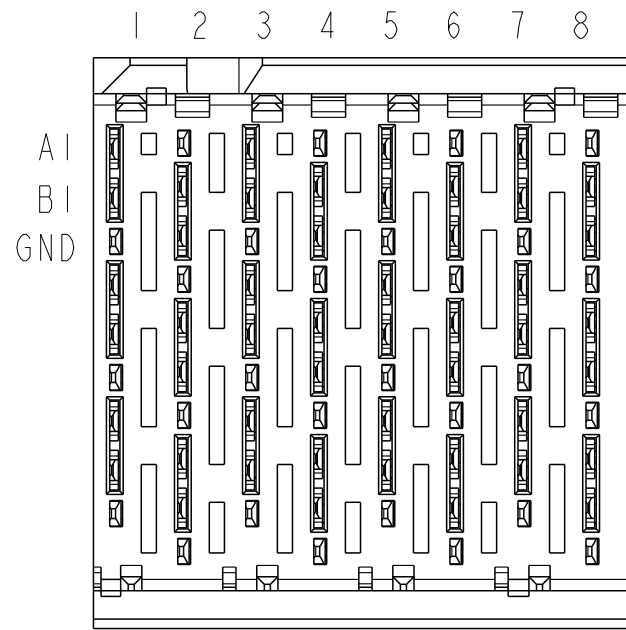
NUMBER	CONTACT MATING WIPE LENGTH		COMPLIANT TAIL TYPE (SEE NOTE 9)
	SIGNAL	GROUND	
1	2 MM	4 MM	0.55 (0.0217") DRILL
2	3 MM	4 MM	0.55 (0.0217") DRILL
3	2 MM	4 MM	0.45 MICRO (0.0177") DRILL
4	3 MM	4 MM	0.45 MICRO (0.0177") DRILL
5	2 MM	3 MM	0.55 (0.0217") DRILL
6	3 MM	3 MM	0.55 (0.0217") DRILL
7	2 MM	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 10120124-XXXX, WHERE: "X" DENOTES MODULE TYPE PER CHART ON THIS SHEET "YYYY" IS A SEQUENTIAL NUMBER BEGINNING WITH "0001".

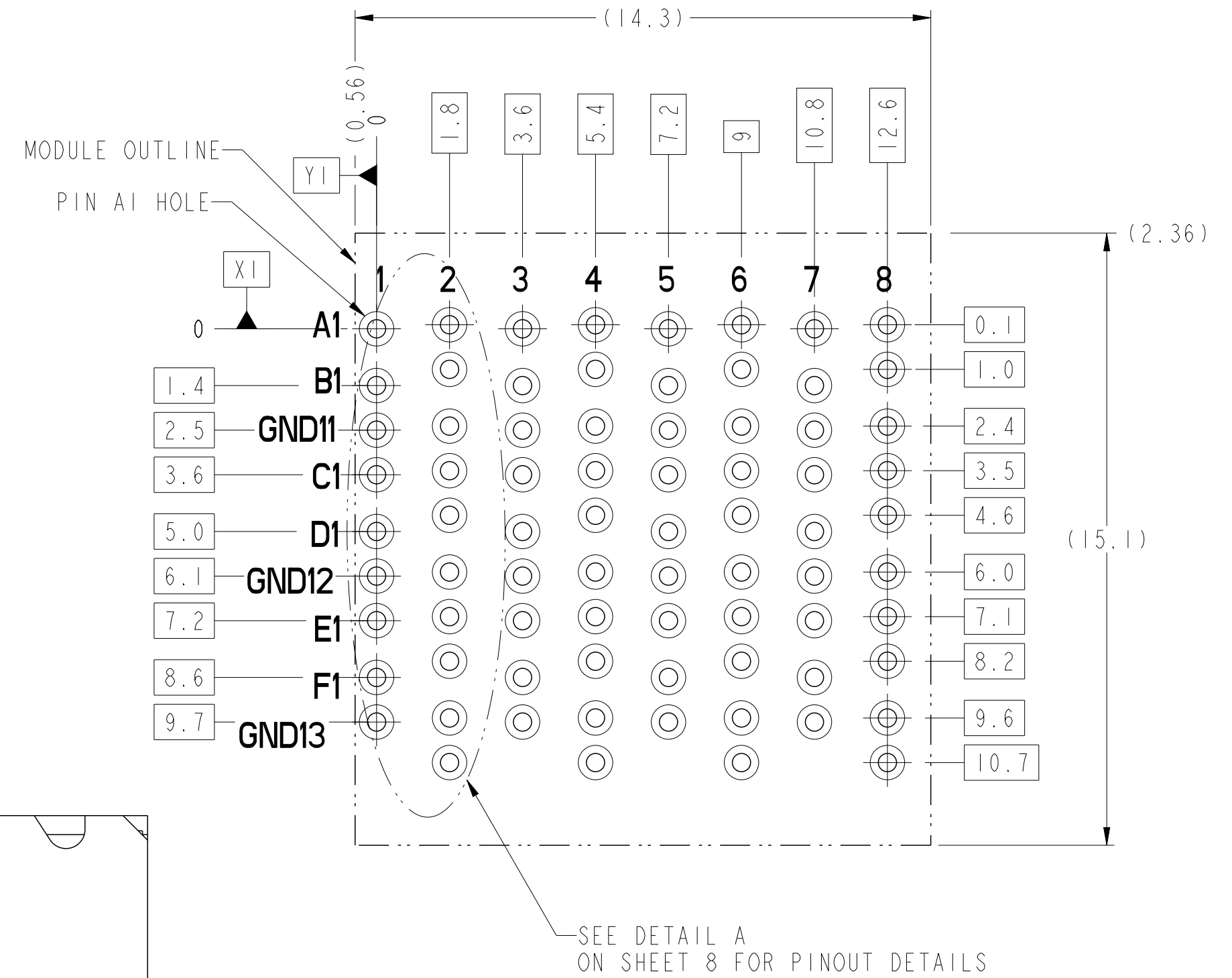
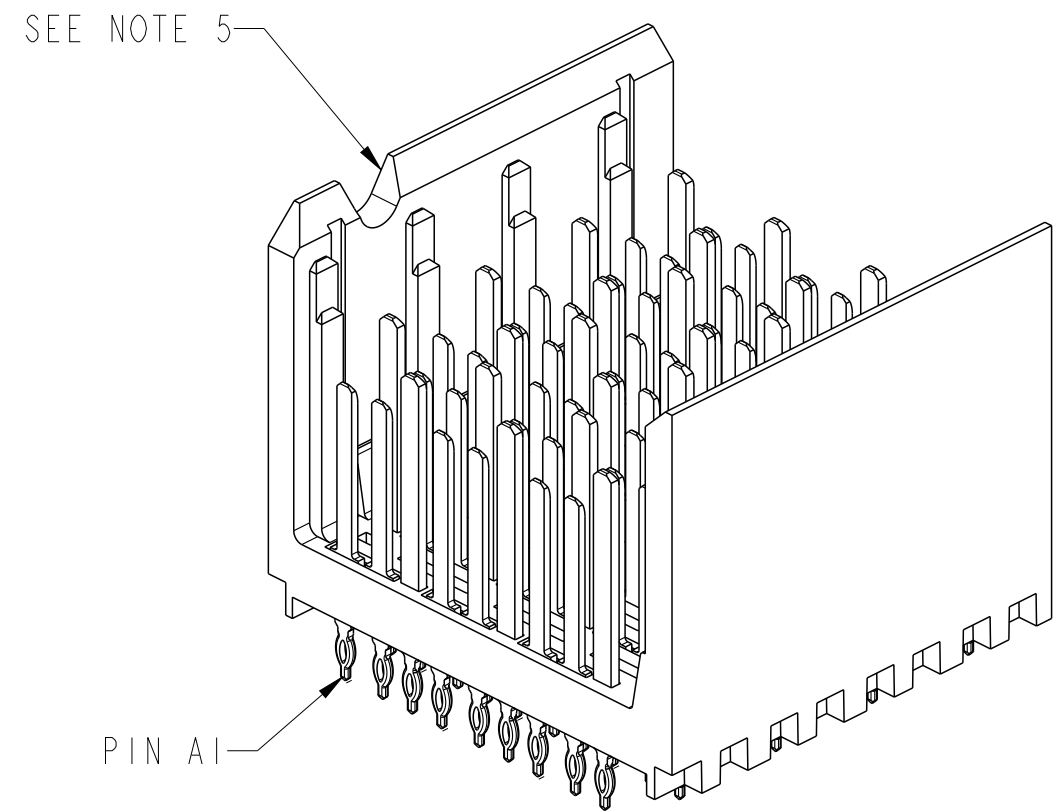
TABLE 1 (SEE NOTE 11)		
	UNGROUND	GROUND
FHS	Ø 2.35-Ø 2.55	Ø 2.35-Ø 2.55
PAD	N/A	Ø 5.50
PLATED	NO	YES
DRILL(mm)	2.44mm	2.58mm
DRILL(in)	0.096"	0.1015"

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

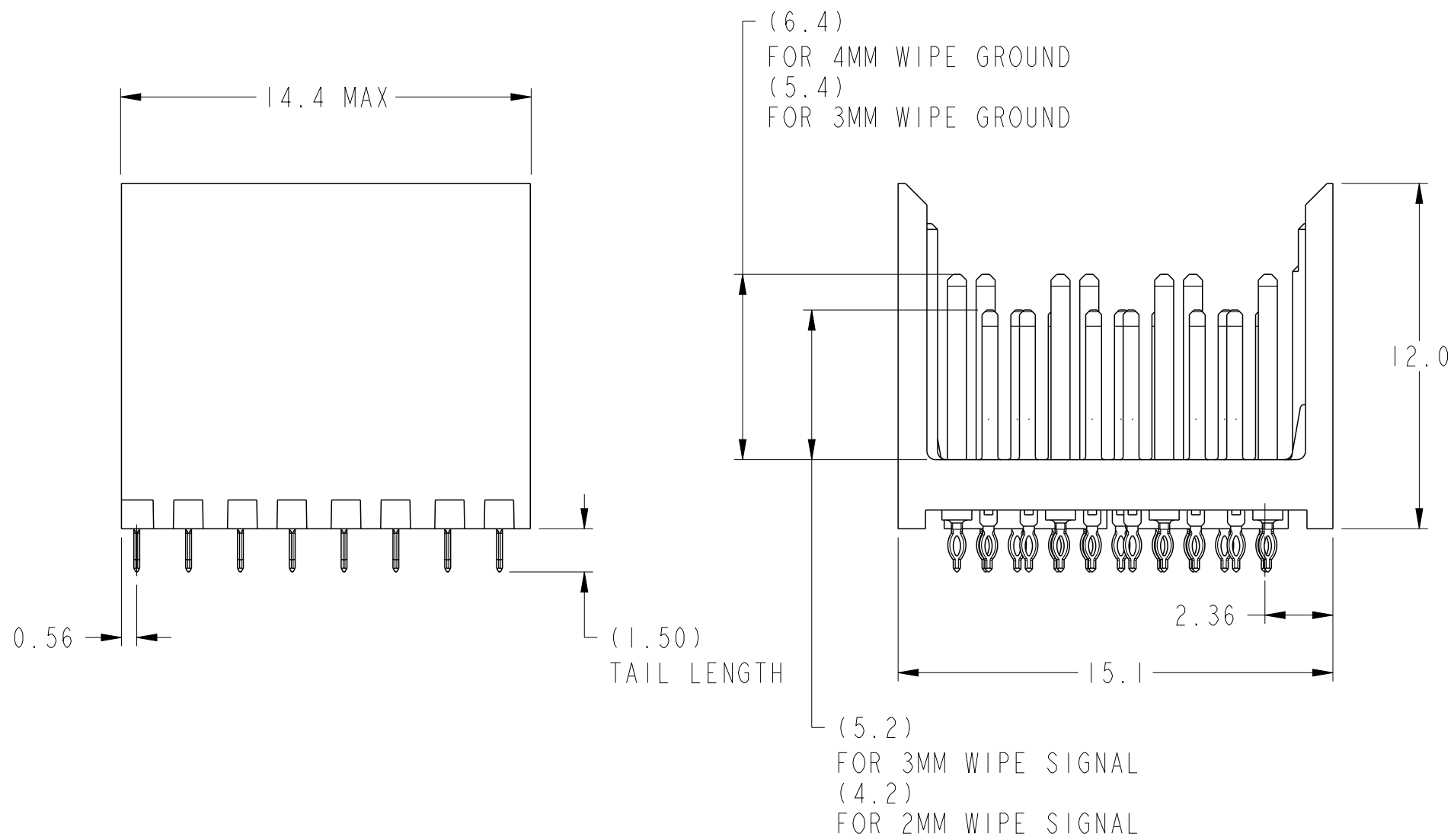
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tolerance std		ISO 406 ISO 1101		eng		Sandar Soe		2013/03/20		chr		-		ecn no		ELX-S-14229-1		rel level		Released			
TOLERANCES UNLESS OTHERWISE SPECIFIED				appr		Chen-Hong Tan		2013/04/09		product family		XCEDE HD											
surface		✓		linear		0.X		±0.3		0.XX		±0.10		0.XXX		±0.05		FCi		title		XCEDE HD VERTICAL HEADER	
ISO 1302				angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 1 of 8		10120124		rev	
																						B	



OPEN WALL MODULE



OPEN WALL MODULE BACKPLANE FOOTPRINT



spec ref	-	dr	Yong-Keat Lim	2012/02/17	projection	MM	size	A2	scale	5:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20	chr	-	ecn no	ELX-S-14229-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD	dwg no	10120124	rev	B
TOLERANCES UNLESS OTHERWISE SPECIFIED		FCI		title		XCEDE HD VERTICAL HEADER		3 PAIR, 8 COLUMN STITCH HEADER		
		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 2 of 8

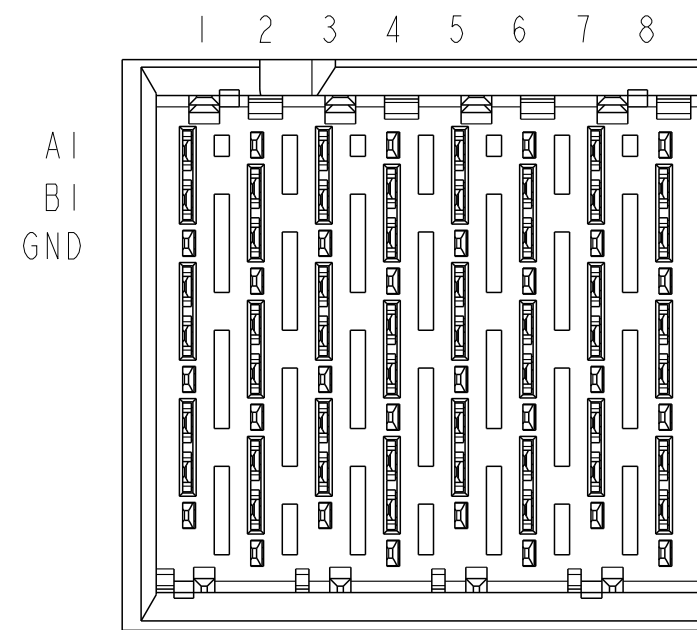
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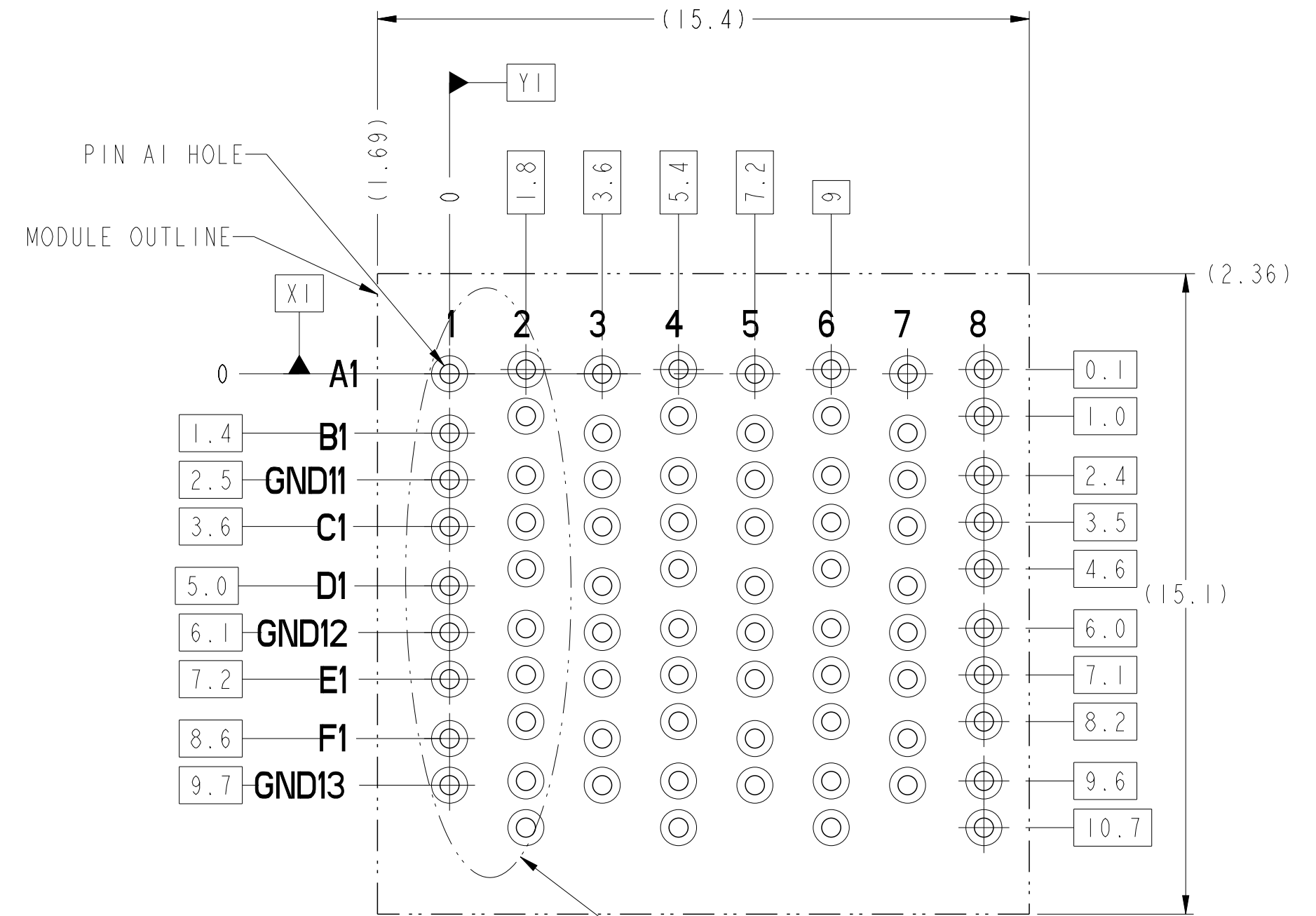
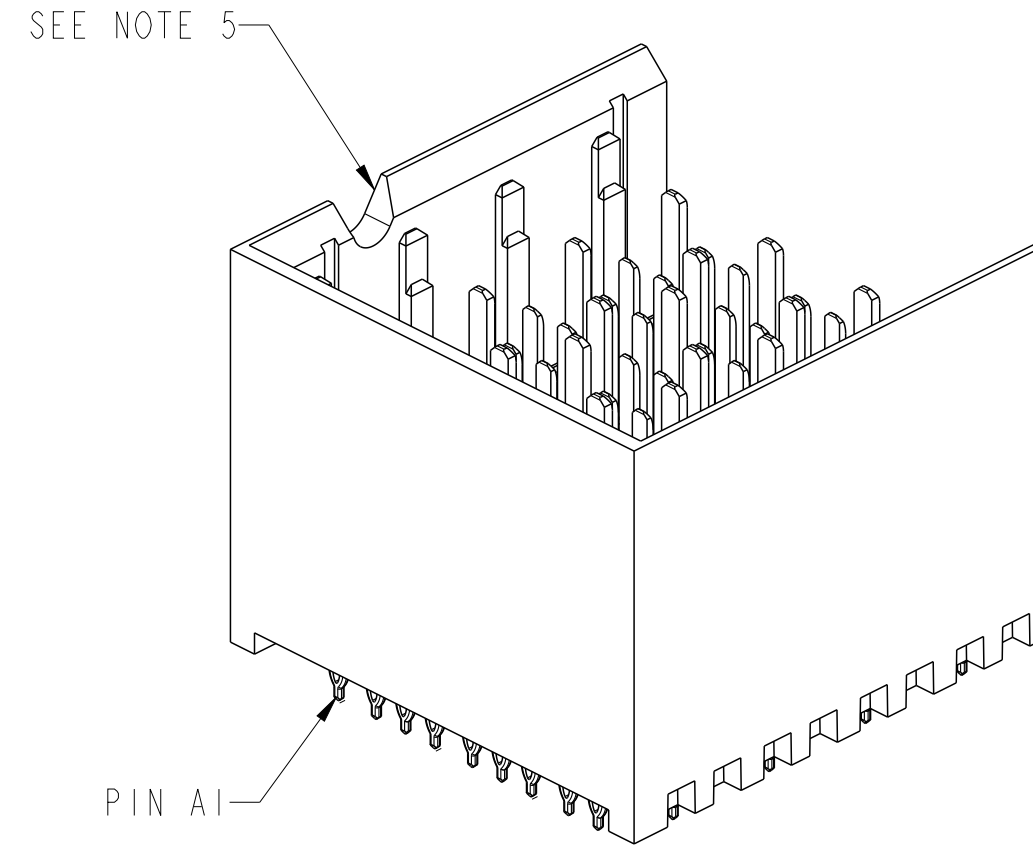
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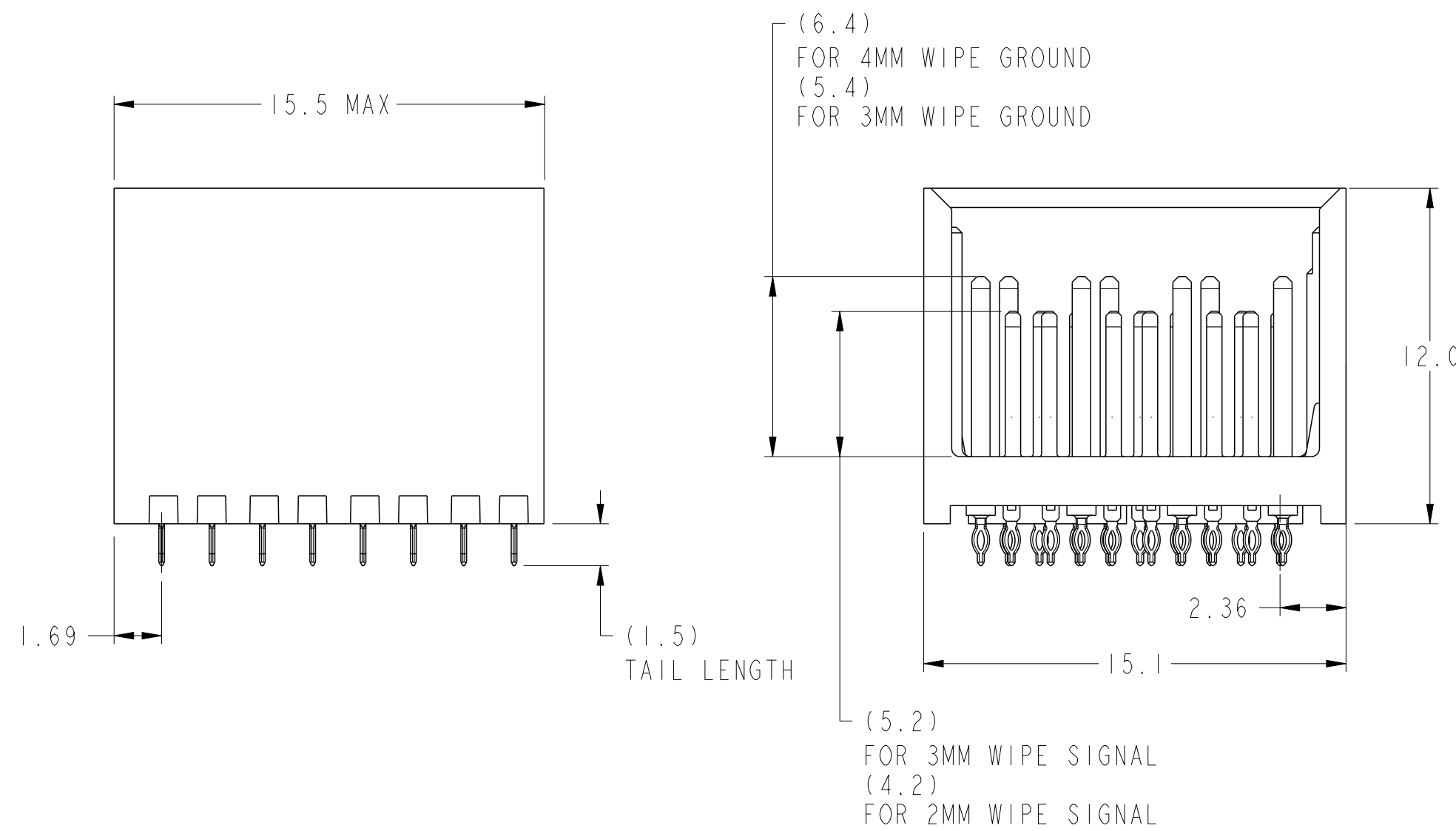
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LEFT WALL MODULE



LEFT WALL MODULE BACKPLANE FOOTPRINT

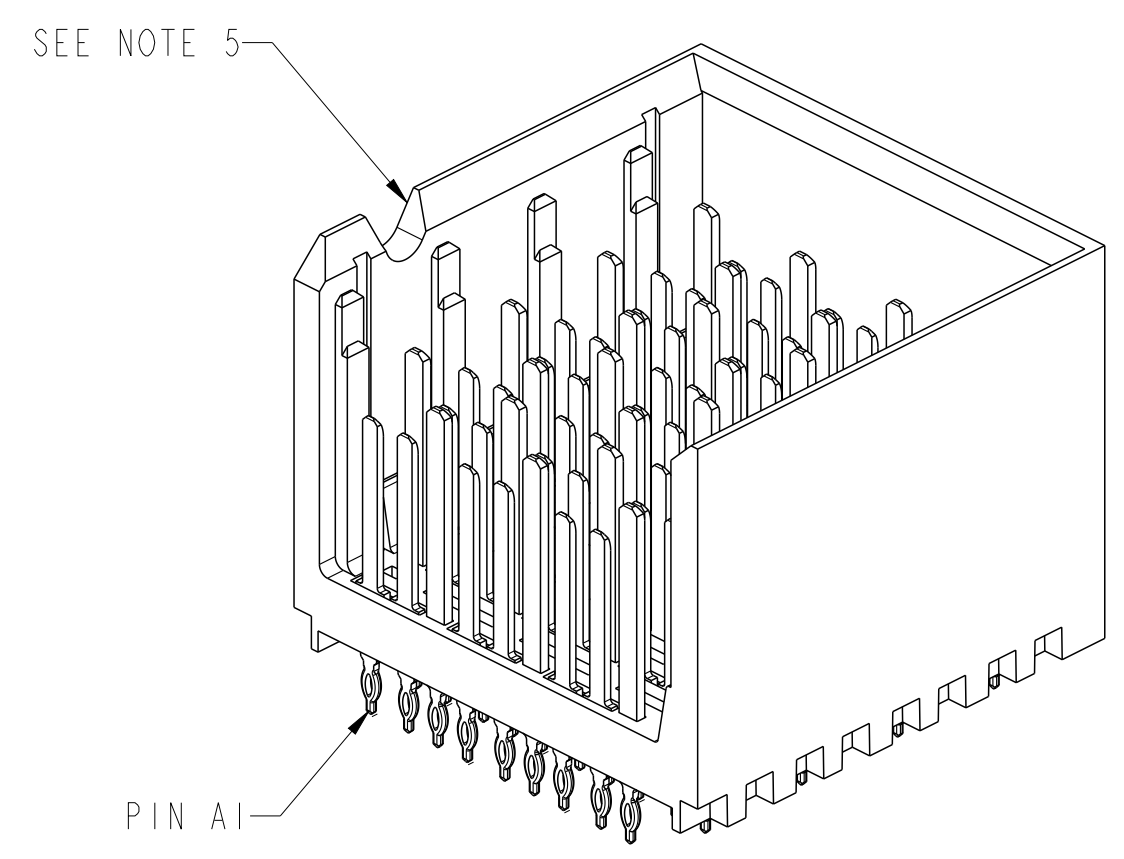
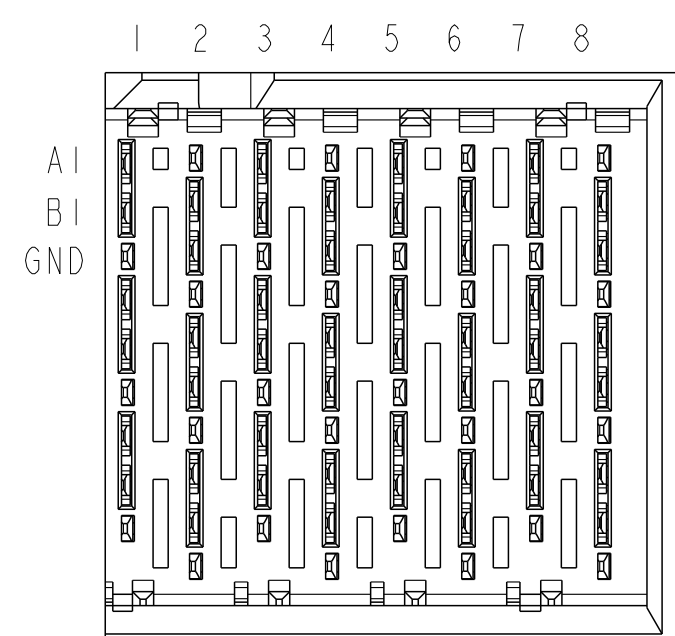


spec ref	-	dr	Yong-Keat Lim	2012/02/17	projection	MM	size	A2	scale	5:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20	chr	-	ecn no	ELX-S-14229-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD	cat. no.	10120124	rev	B
TOLERANCES UNLESS OTHERWISE SPECIFIED		linear		0.X	±0.3	angular		0°	±2°	
				0.XX	±0.10					
				0.XXX	±0.05					

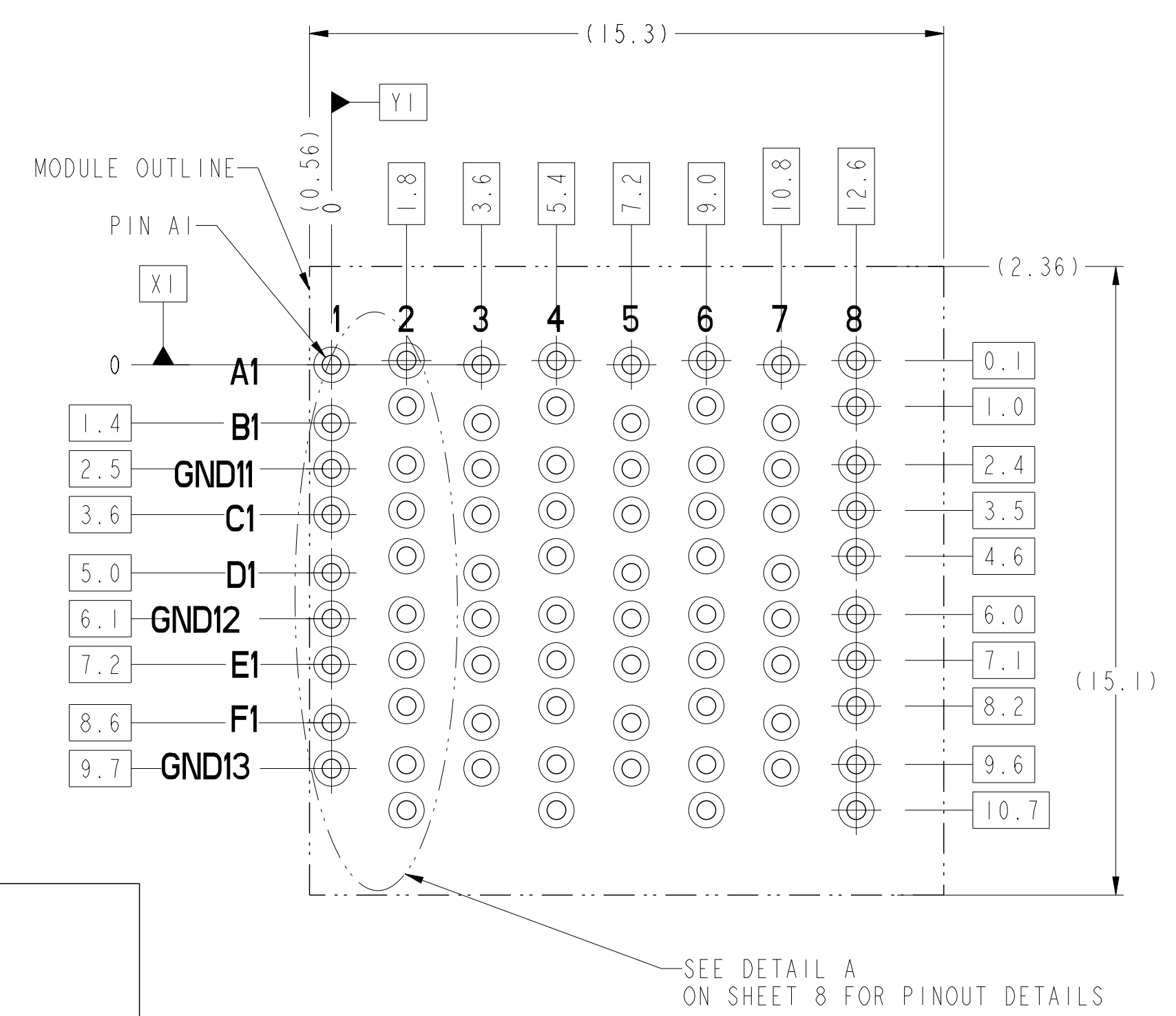
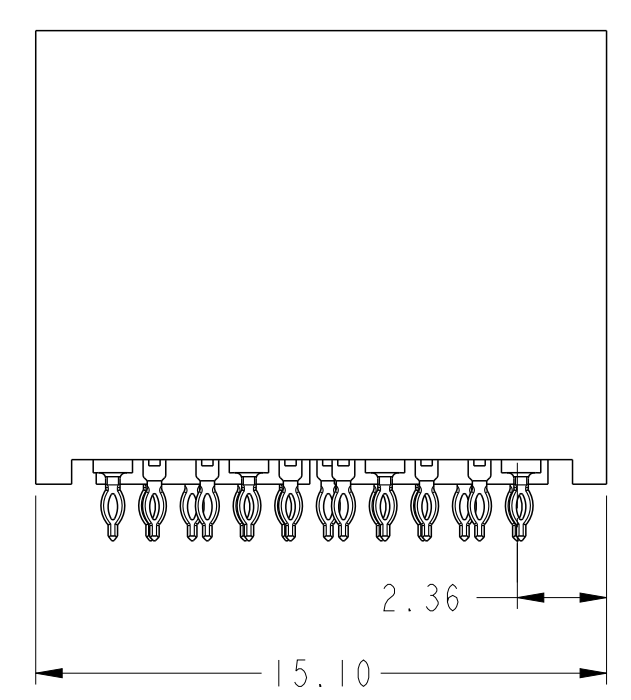
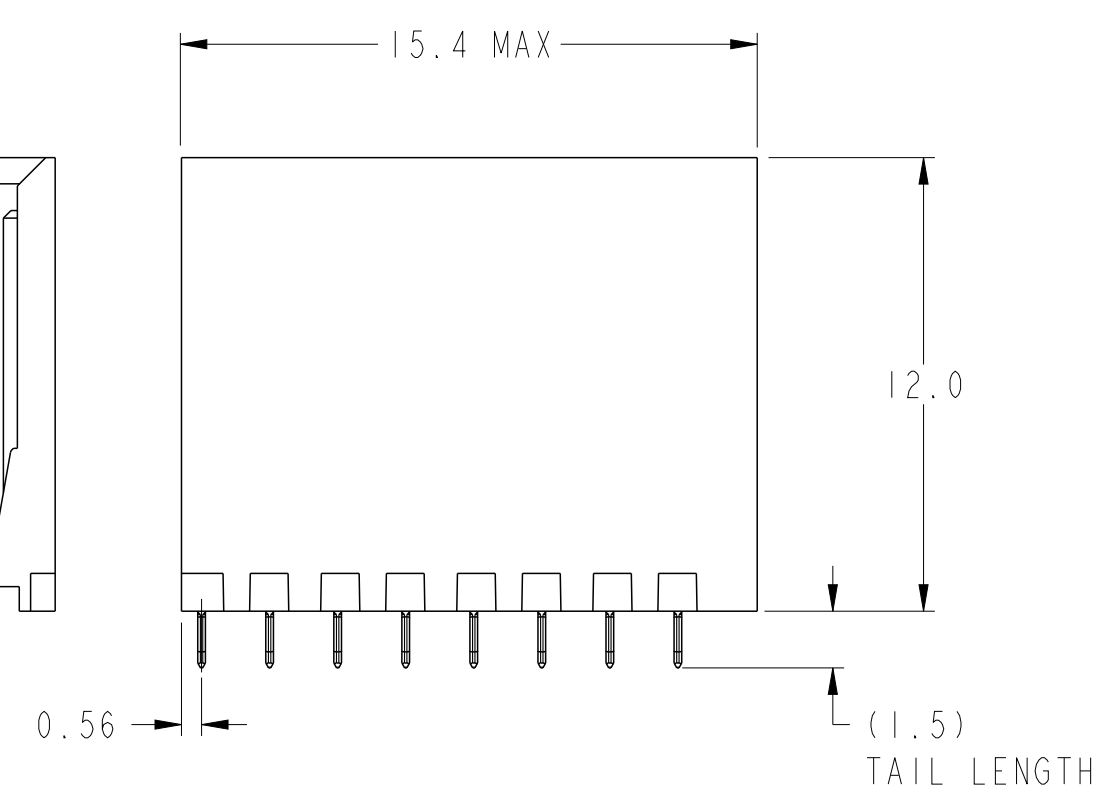
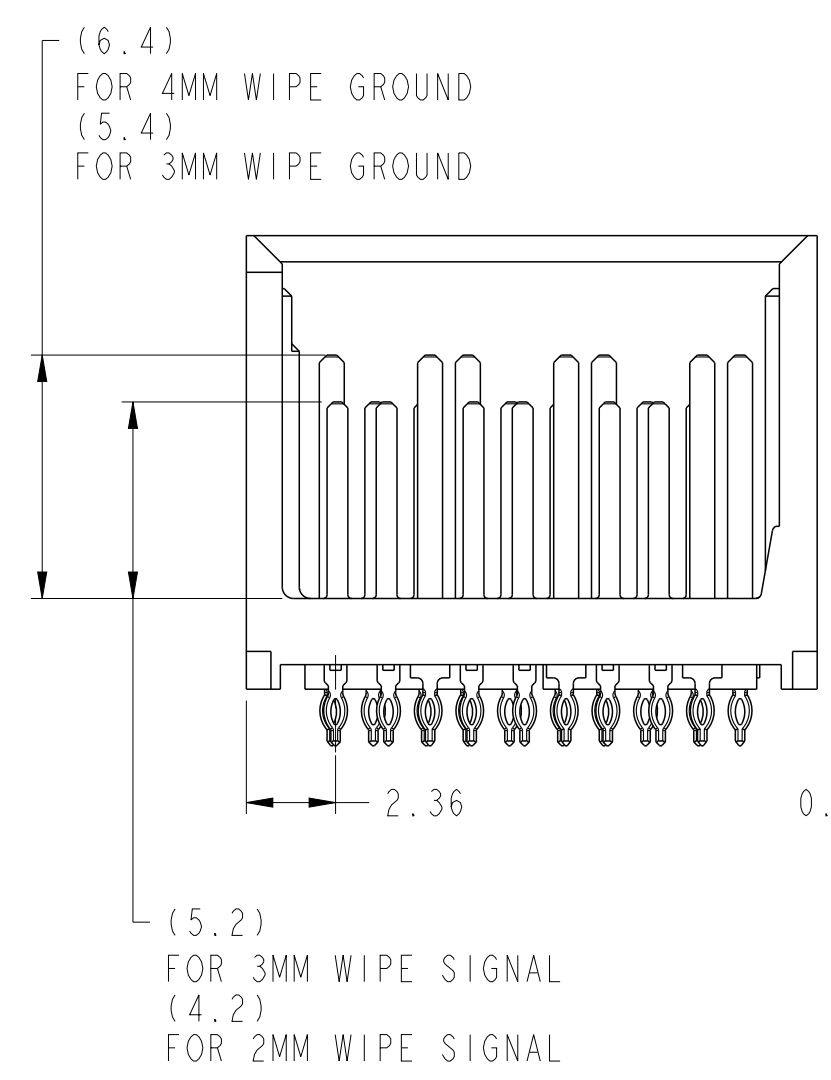
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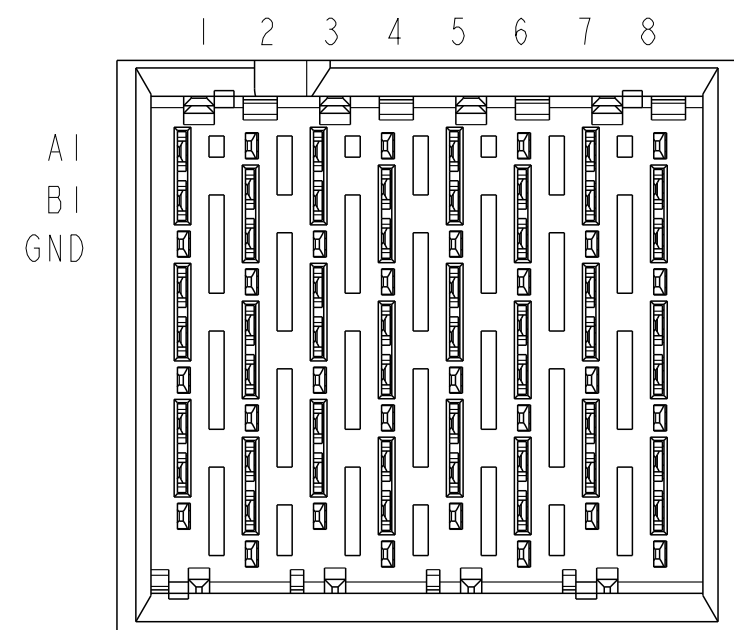


RIGHT WALL MODULE

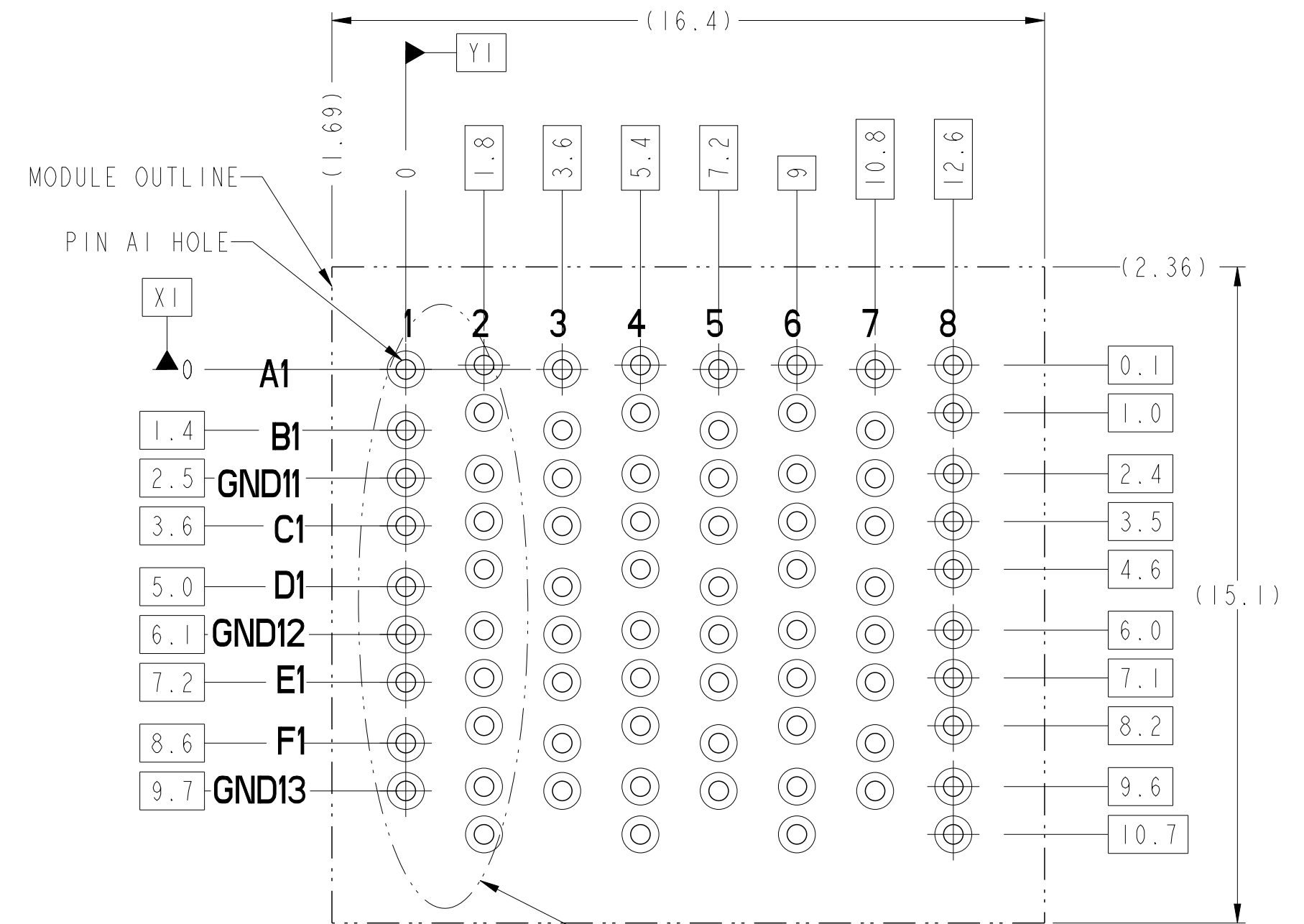
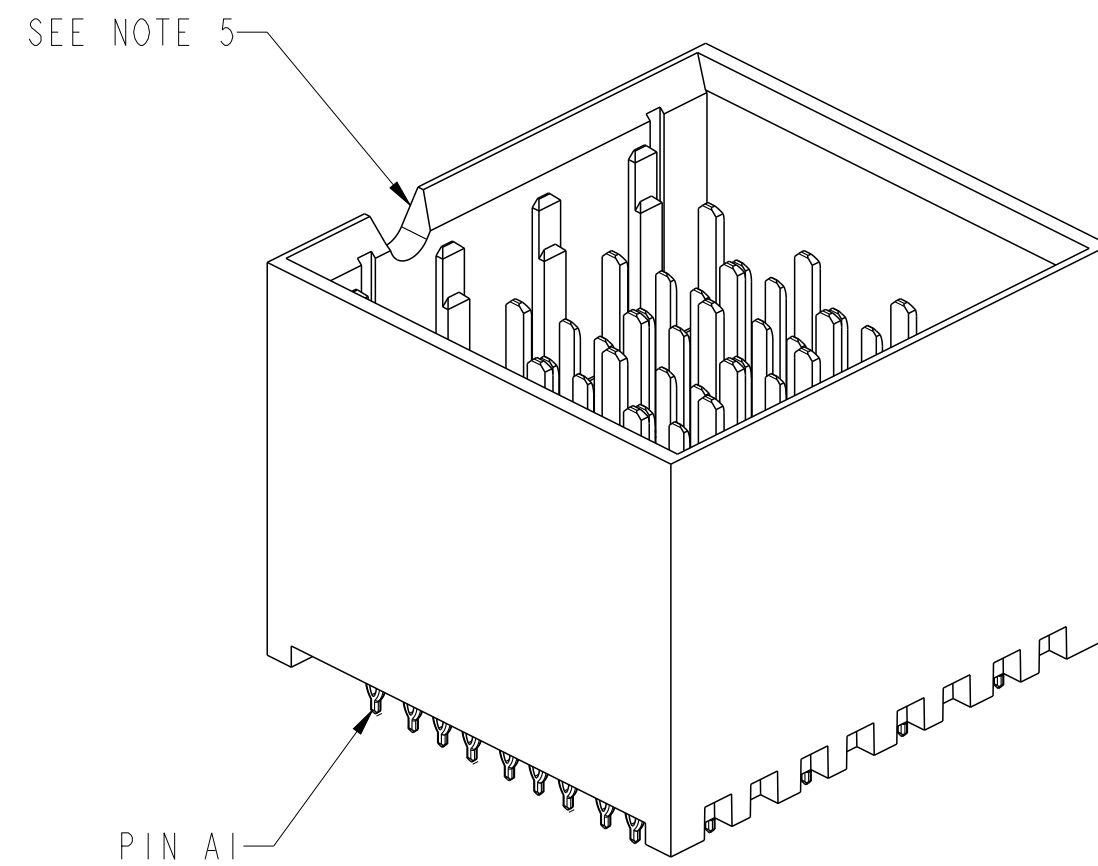


BP HOLE PATTERN COMPONENT SIDE
RIGHT WALL MODULE BACKPLANE FOOTPRINT

spec ref	-	dr	Yong-Keat Lim	2012/02/17	projection	MM	size	A2	scale	5:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20	chr	-	ecn no	ELX-S-14229-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD	rel level	Released	rev	B
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	title	XCEDE HD VERTICAL HEADER 3 PAIR, 8 COLUMN STITCH HEADER			dwg no	10120124		rev	B
angular	0° ±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 4 of 8				



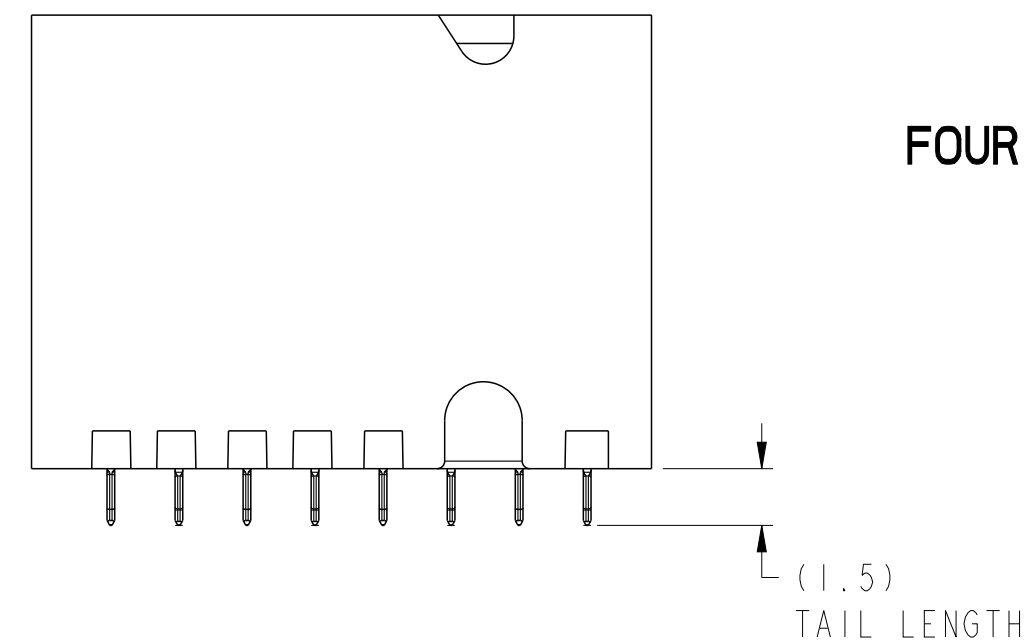
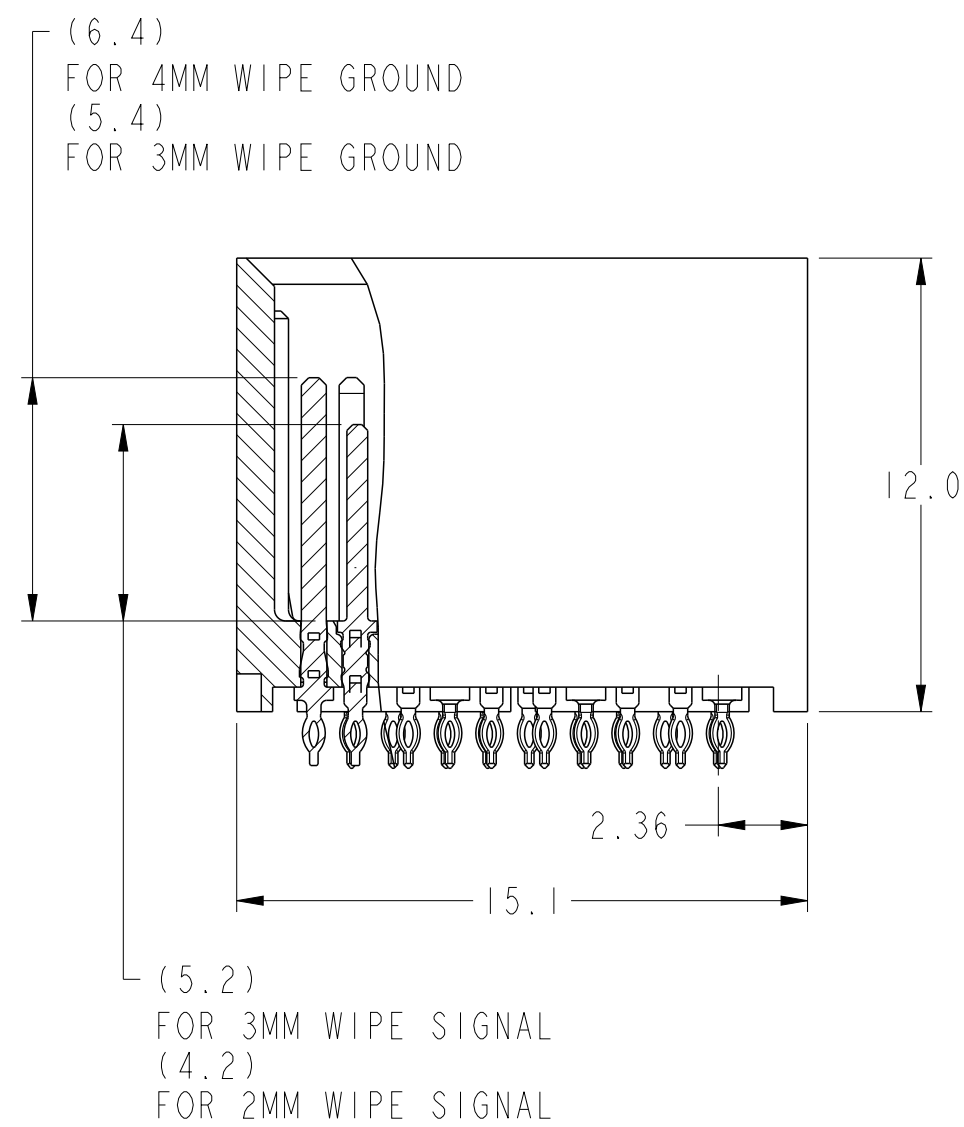
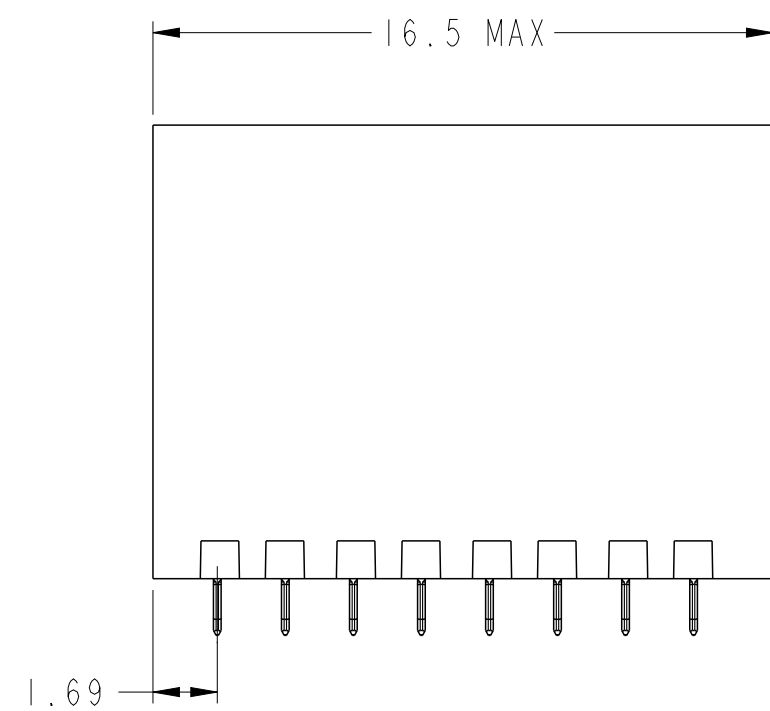
FOUR WALL MODULE



SEE DETAIL A
ON SHEET 8 FOR PINOUT DETAILS

BP HOLE PATTERN COMPONENT SIDE

FOUR WALL MODULE BACKPLANE FOOTPRINT

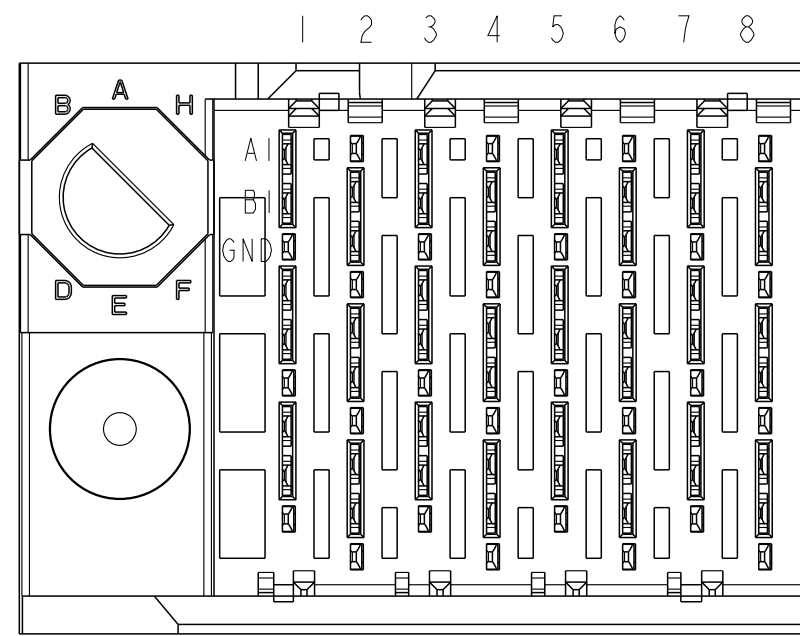


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tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20	chr	-	ecn no	ELX-S-14229-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD	dwg no	10120124	rev	B
TOLERANCES UNLESS OTHERWISE SPECIFIED		FCI		title		XCEDE HD VERTICAL HEADER		3 PAIR, 8 COLUMN STITCH HEADER		
		www.fci.com		cat. no.		Product - Customer Drw		sheet 5 of 8		

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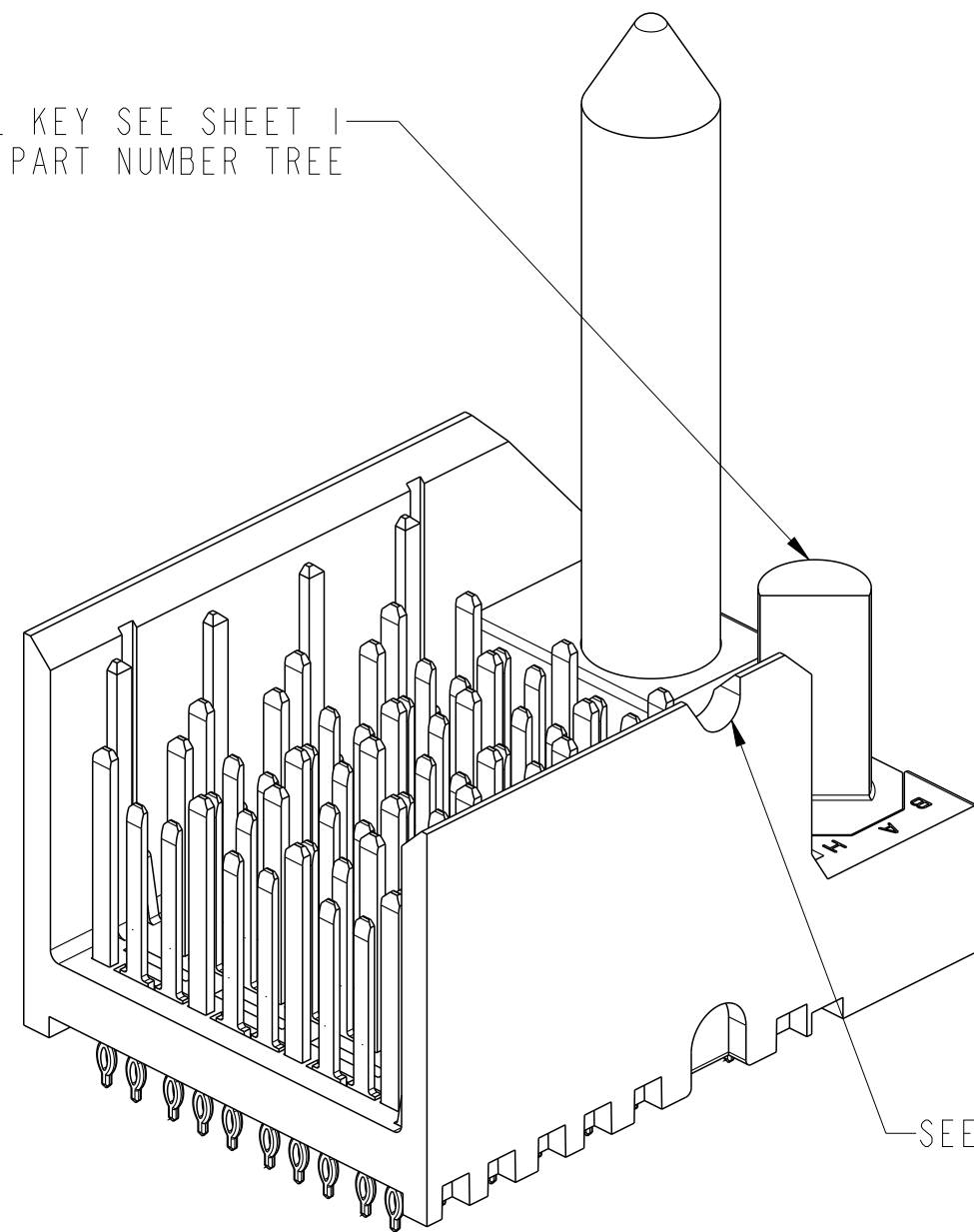
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Printed: Apr 10, 2013



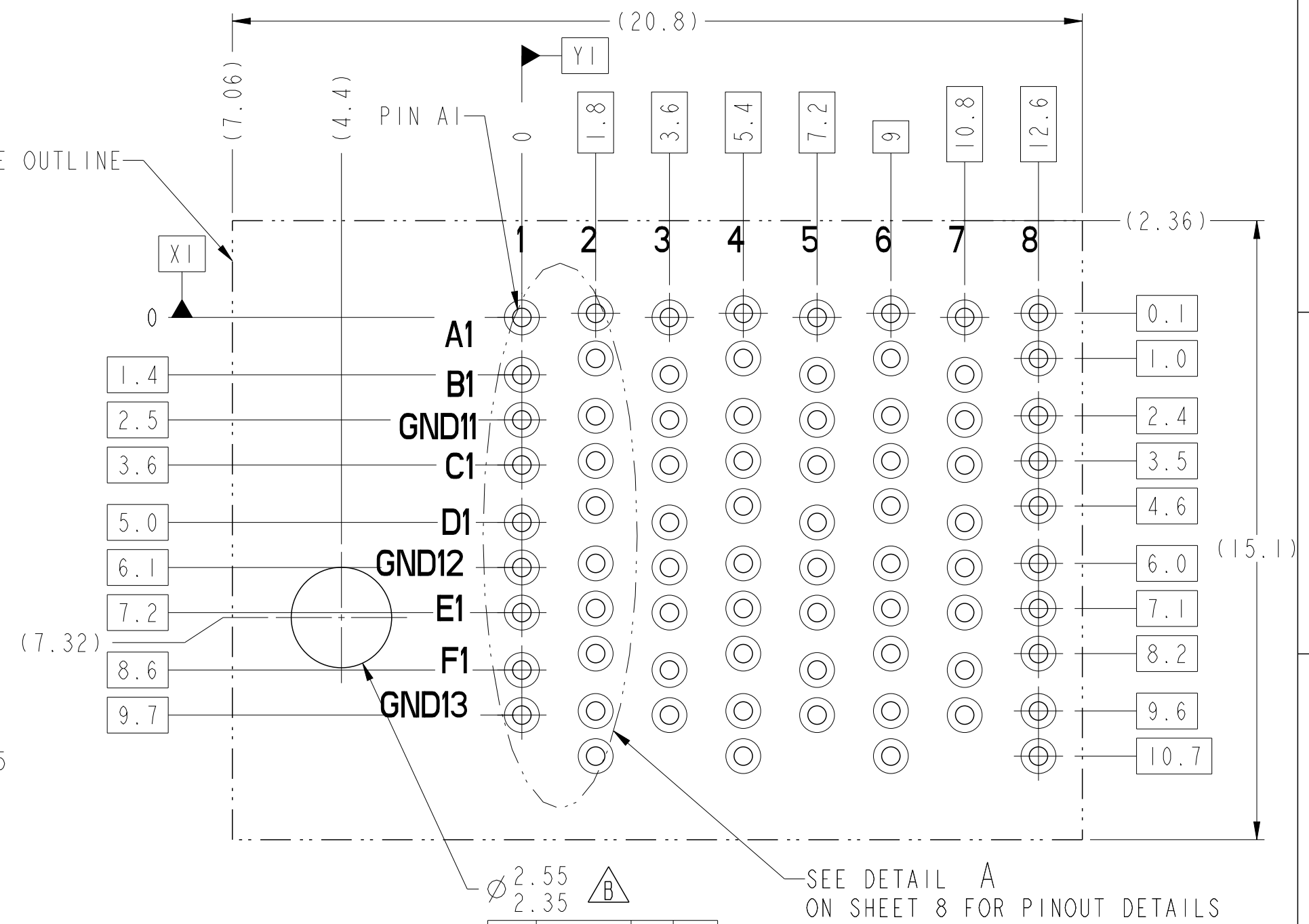
LEFT POLARIZING / GUIDE MODULE

OPTIONAL KEY SEE SHEET 1
PART NUMBER TREE



SEE NOTE 5

MODULE OUTLINE

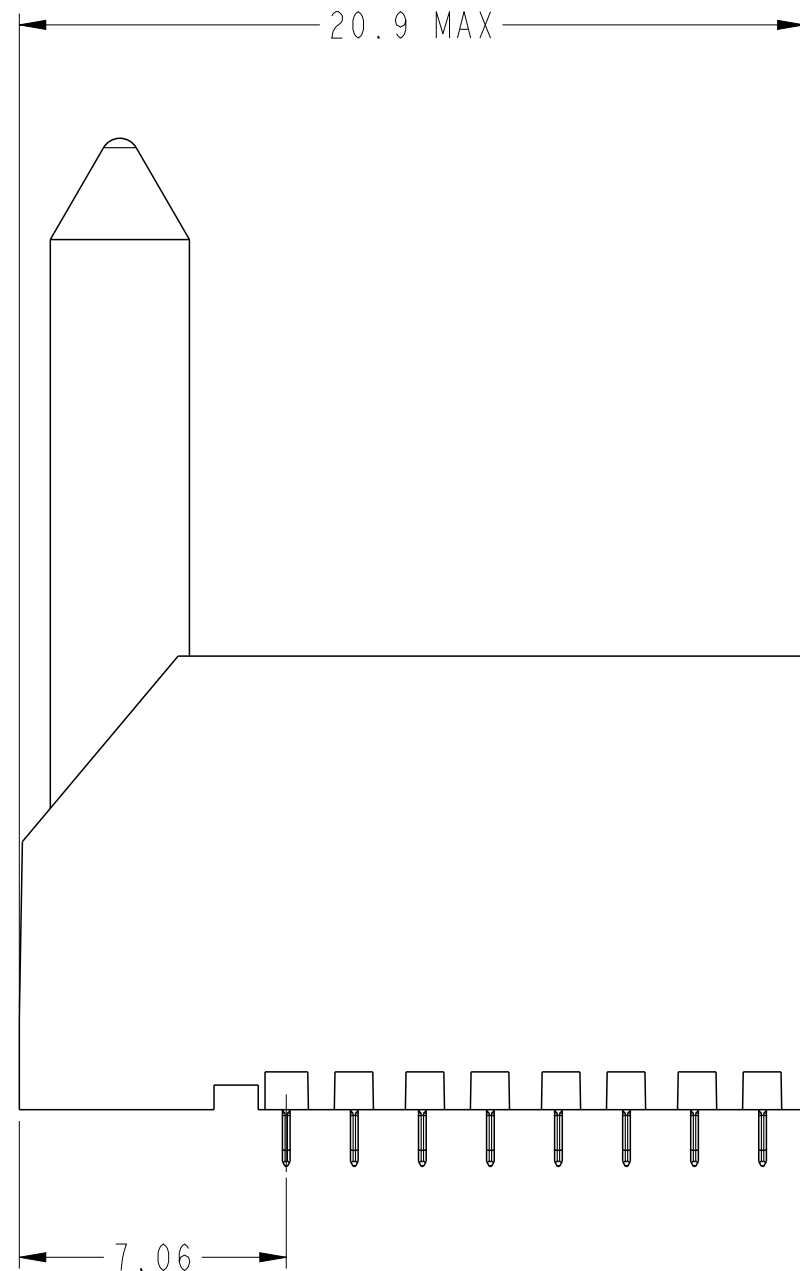


SEE DETAIL A
ON SHEET 8 FOR PINOUT DETAILS

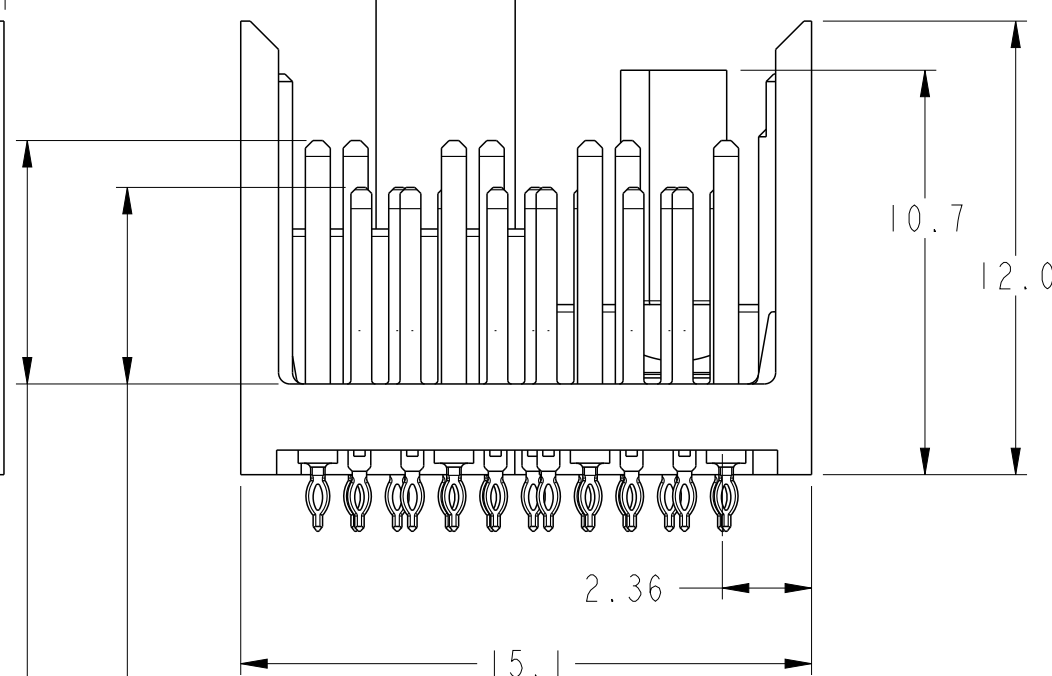
SEE NOTE 11 &
TABLE 1

BP HOLE PATTERN COMPONENT SIDE

LEFT POLARIZING / GUIDE MODULE
BACKPLANE FOOTPRINT



($\varnothing 3.68$)



(5.2)
FOR 3MM WIPE SIGNAL
(4.2)
FOR 2MM WIPE SIGNAL

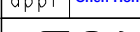
(6.4)
FOR 4MM WIPE GROUND
(5.4)
FOR 3MM WIPE GROUND

(1.5)
TAIL LENGTH

25.7 $\pm$ 0.3



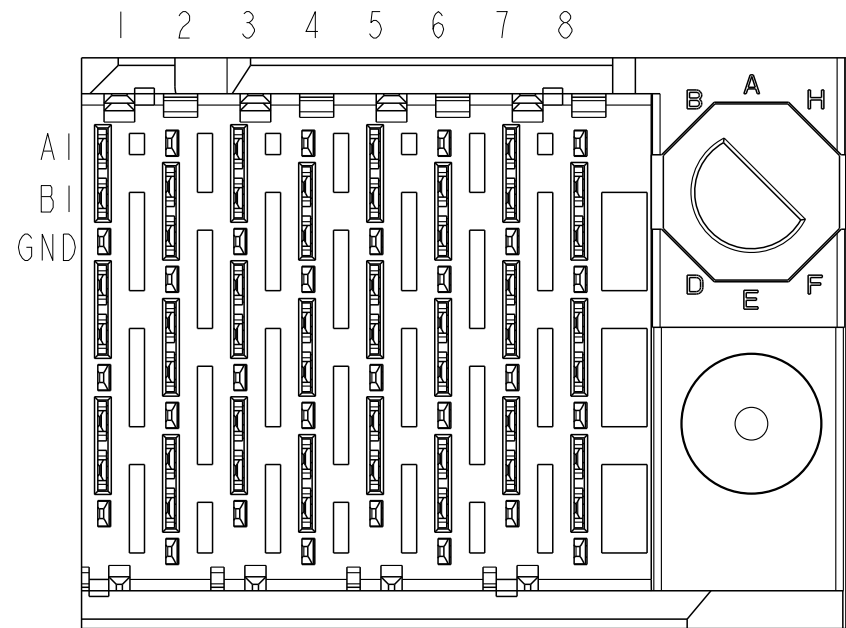
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spec ref		-		dr		Yong-Keat Lim		2012/02/17		projection		MM		size		A2		scale		5:1					
tolerance std		ISO 406		eng		Sandar Soe		2013/03/20						ecn no		ELX-S-14229-1									
ISO 1101		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		-						rel level		Released									
surface		ISO 1302		appr		Chen-Hong Tan		2013/04/09		product family		XCED HD		dwg no		10120124		rev		B					
		linear		0.X		±0.3				title		XCED HD VERTICAL HEADER		3 PAIR, 8 COLUMN STITCH HEADER		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 6 of 8	
		0.XX		±0.10																					
		0.XXX		±0.05																					
		angular		0°		±2°																			

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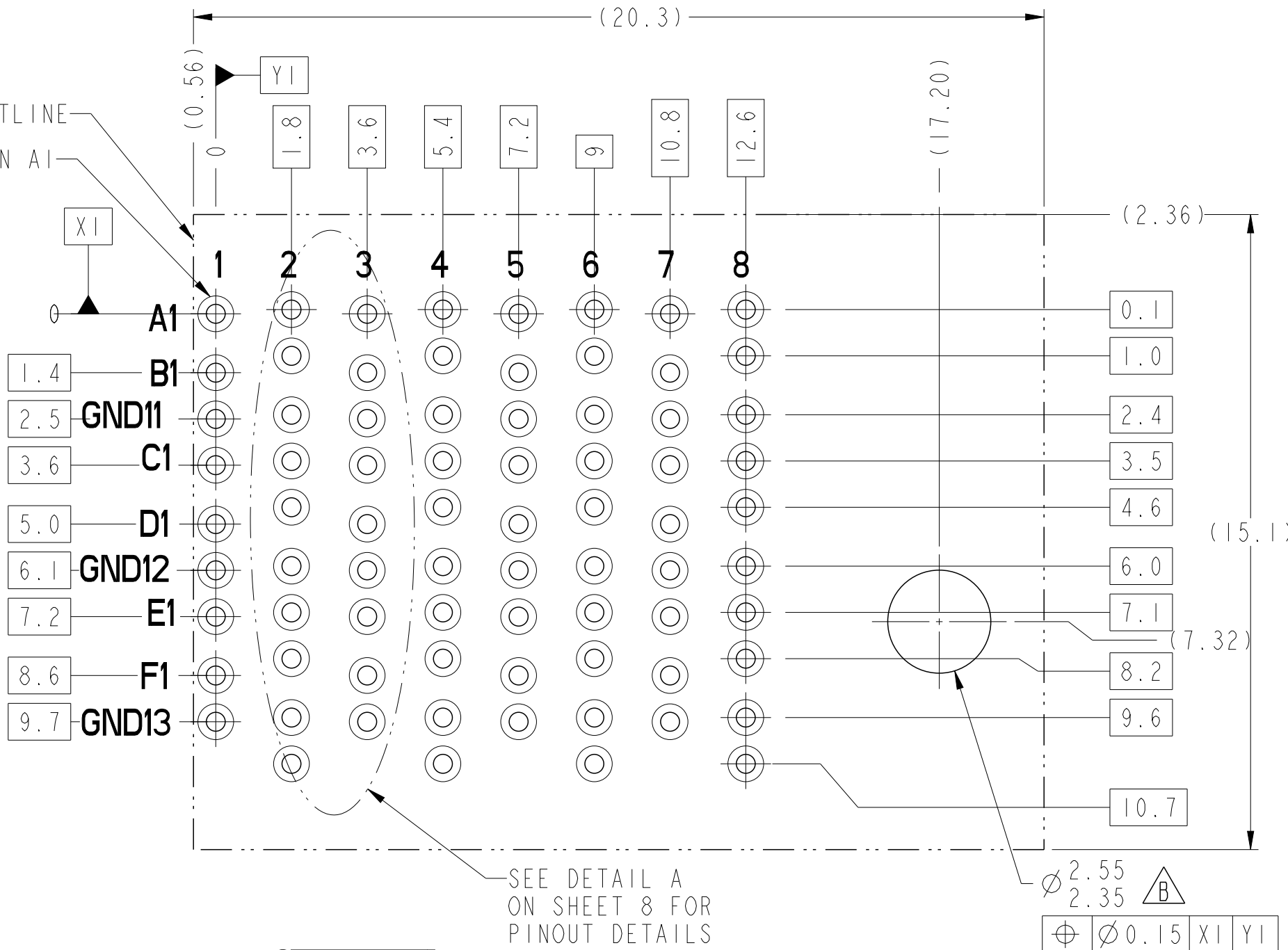
RIGHT POLARIZING / GUIDE MODULE

OPTIONAL KEY SEE SHEET 1
PART NUMBER TREE

SEE NOTE 5

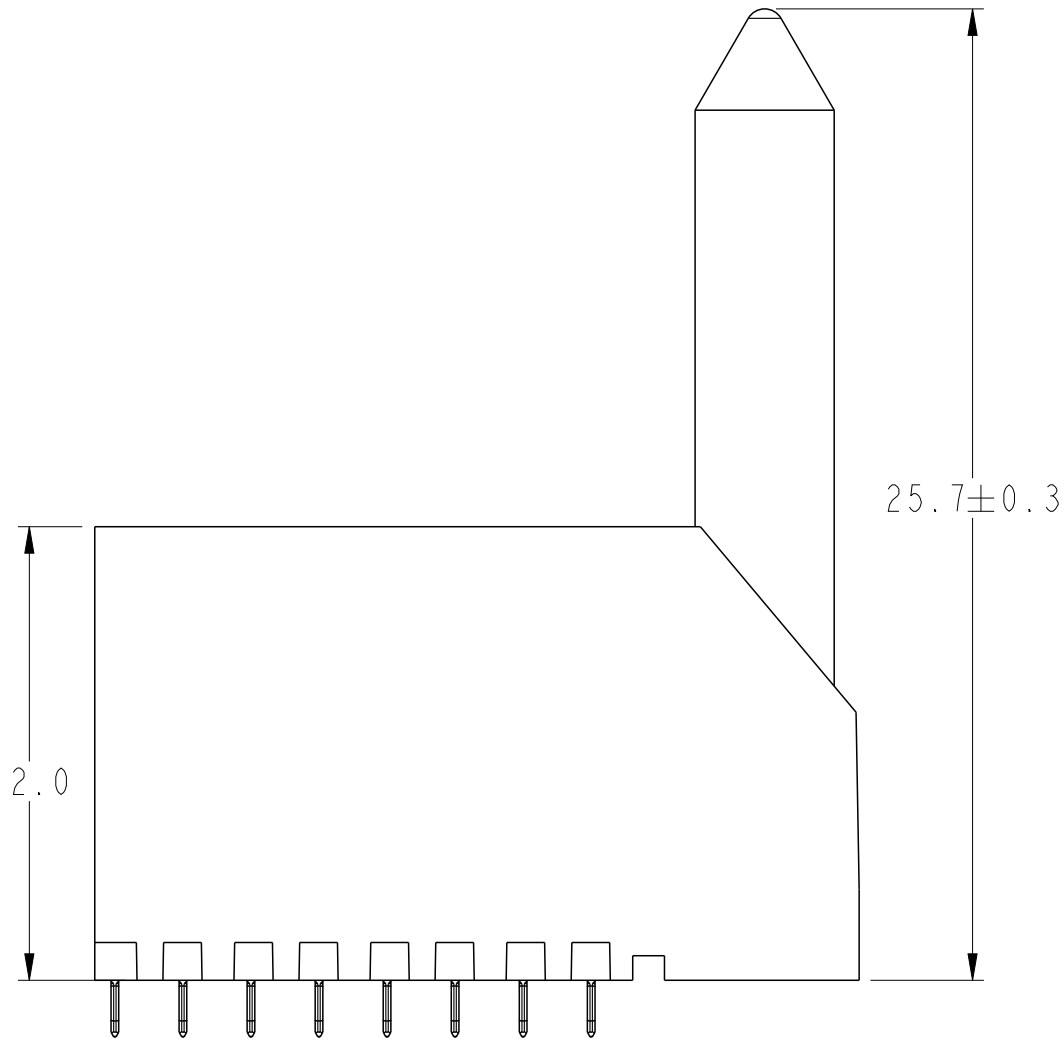
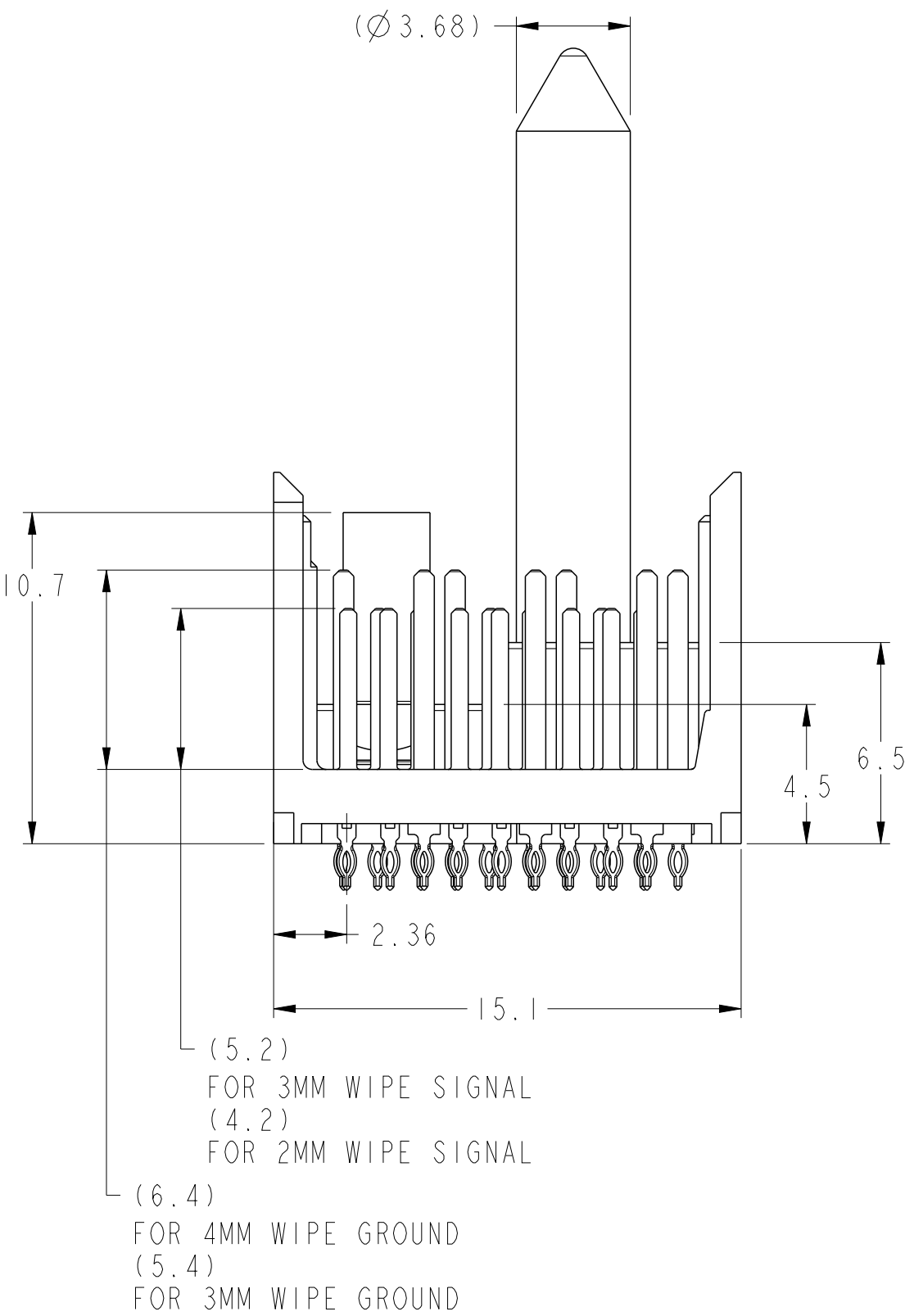
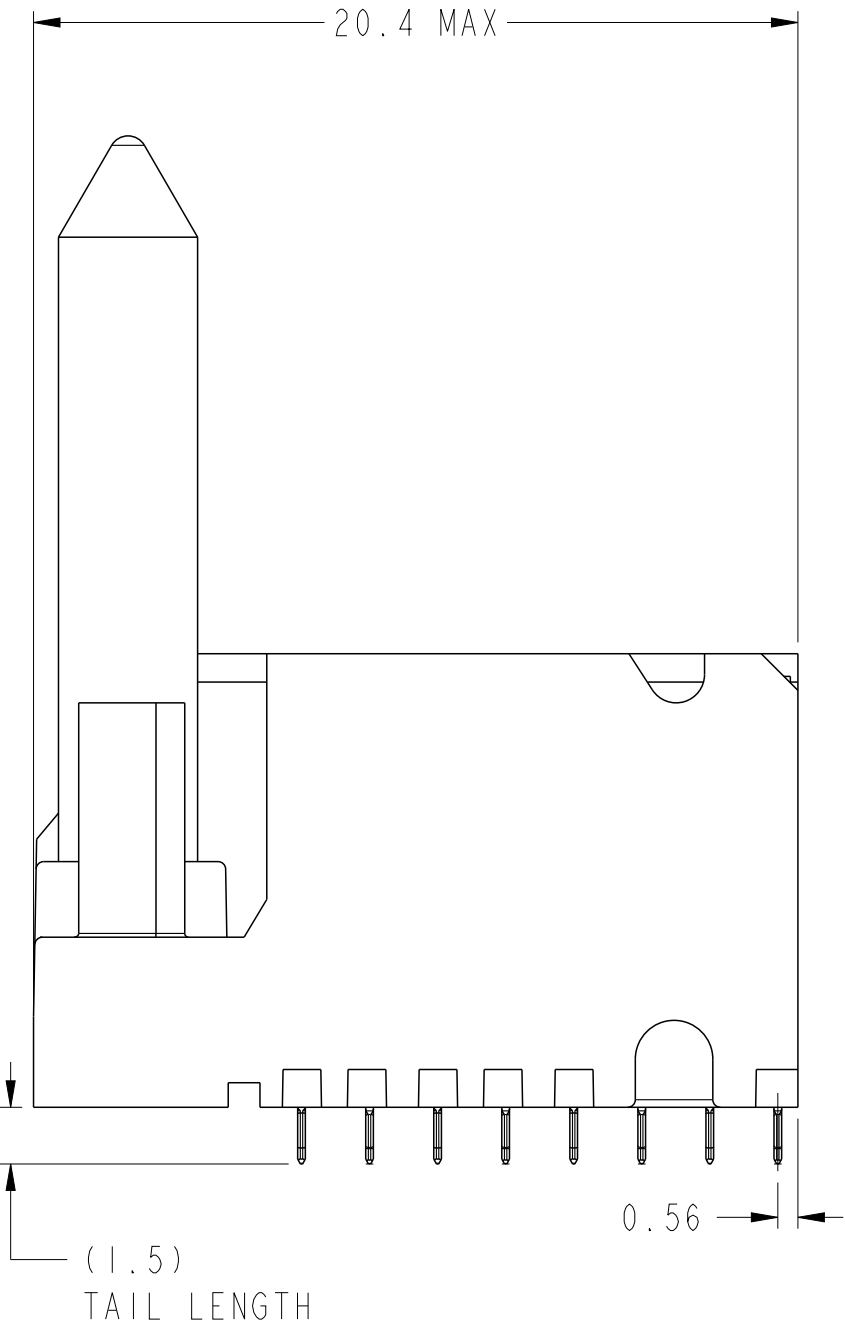
PIN AI

MODULE OUTLINE
PIN AI



BP HOLE PATTERN COMPONENT SIDE

RIGHT POLARIZING / GUIDE MODULE
BACKPLANE FOOTPRINT



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spec ref		-		dr		Yong-Keat Lim		2012/02/17		projection		MM		size		A2		scale		5:1	
tolerance std		ISO 406		eng		Sandar Soe		2013/03/20		chr		-		ecn no		ELX-S-14229-1		rel level		Released	
ISO 1101		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		-		appr		Chen-Hong Tan		2013/04/09		product family		XCEDE HD		Released	
surface		linear		0.X		±0.3		FCi		title		XCEDE HD VERTICAL HEADER		dwg no		10120124		rev		B	
ISO 1302		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 7 of 8					
				0.XX		±0.10						3 PAIR, 8 COLUMN STITCH HEADER									
				0.XXX		±0.05															

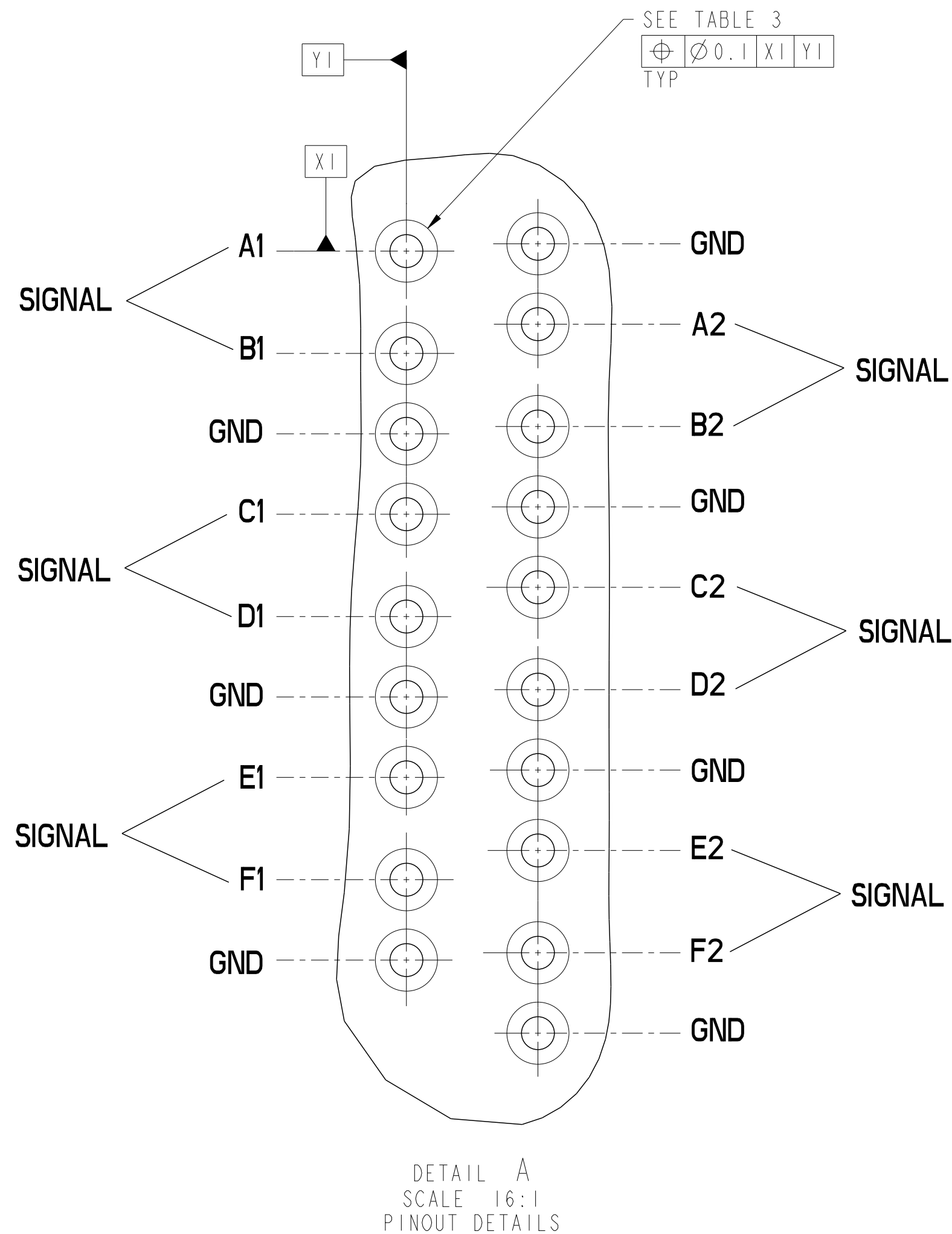
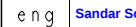


TABLE 3

	COMPLIANT PIN DRILL $\varnothing 0.55[0.0217"]$	COMPLIANT PIN DRILL $\varnothing 0.45[0.0117"]$
PTH	$\varnothing 0.45 \pm 0.05$	$\varnothing 0.36 \pm 0.05$
DRILL	$\varnothing 0.55[0.0217"]$	$\varnothing 0.45[0.0117"]$
PAD	$\varnothing 0.85$	$\varnothing 0.75$

NOTES:

1. CONNECTOR MATERIALS
SHROUD : HIGH-TEMP POLYMER, COLOR : BLACK, UL94V-0
CONTACTS : HIGH PERFORMACE COPPER ALLOY
2. PRODUCT SPECIFICATION : GS-12-0936
3. APPLICATION SPECIFICATION : GS-20-0348
4. PRODUCT MARKING :
PART NUMBER (10120124-XOE-XXXLF)
"FCI" AND DATE CODE (FCI P#####)
- ⑤ NOTCH DESIGNATES "ROW A" SIDE OF CONNECTOR. NOTCH FEATURE
ON OPPOSITE FOR PRODUCT MARKING.
- ⑥ PLATING THICKNESS OF SIGNAL & GROUND CONTACT ARE DETERMINED
BY PLATING CODE, REFER TO P/N TREE ON SHEET 1.
7. PACKAGING MEETS GS-14-920 LEAD-FREE LABELING SPECIFICATION.
- ⑧ 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".
- ⑨ SEE APPLICATION SPECIFICATION FOR ROUTING GUIDELINES, ADDITIONAL
PTH GUIDELINES, MATED DIMENSIONS, GUIDE PIN SELECTION, ETC.
10. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE THAT
HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.
-  ⑪ OPTIONAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE-PIN SUPPORT.
SEE TABLE 1 SHEET 1 FOR ADDITIONAL DETAILS.
-  ⑫ SCREW IS OPTIONAL AND ENGAGES WITH BOTTOM OF GUIDE PIN FROM BENEATH
THE PCB FOR ADDITIONAL GUIDE-PIN SUPPORT.

spec ref		-		dr		Yong-Keat Lim		2012/02/17		projection				size		A2		scale		5:1	
tolerance std		ISO 406		eng		Sander Soe		2013/03/20		chr		-		ecn no		ELX-S-14229-1					
ISO 1101		TOLERANCES UNLESS OTHERWISE SPECIFIED		appr		Chen-Hong Tan		2013/04/09		product family		XCEDE HD		rel level		Released					
surface				linear				file		XCEDE HD VERTICAL HEADER		dwg no		10120124		rev		B			
ISO 1302		0.X ±0.3 0.XX ±0.10 0.XXX ±0.05 angular 0° ±2°		www.fci.com		cat. no.		-		Product-		Customer Drw		sheet 8 of 8							

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<u>10120124-F0E-70DLF</u>	<u>10120124-H0E-20DLF</u>	<u>10120124-U0E-80DLF</u>	<u>10120124-S0E-10DLF</u>	<u>10120124-00E-10DLF</u>
<u>10120124-P0E-30DLF</u>	<u>10120124-R0E-60DLF</u>	<u>10120124-V0E-60DLF</u>	<u>10120124-J0E-80DLF</u>	<u>10120124-10E-40DLF</u>
<u>10120124-M0E-40DLF</u>	<u>10120124-B0E-50DLF</u>	<u>10120124-E0E-30DLF</u>	<u>10120124-J0E-50DLF</u>	<u>10120124-B0E-80DLF</u>
<u>10120124-T0E-60DLF</u>	<u>10120124-M0E-70DLF</u>	<u>10120124-V0E-10DLF</u>	<u>10120124-B0E-30DLF</u>	<u>10120124-L0E-40DLF</u>
<u>10120124-E0E-40DLF</u>	<u>10120124-P0E-80DLF</u>	<u>10120124-P0E-20DLF</u>	<u>10120124-00E-50DLF</u>	<u>10120124-L0E-60DLF</u>
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<u>10120124-E0E-80DLF</u>	<u>10120124-A0E-70DLF</u>	<u>10120124-S0E-50DLF</u>	<u>10120124-T0E-50DLF</u>	<u>10120124-Q0E-60DLF</u>
<u>10120124-V0E-70DLF</u>	<u>10120124-M0E-20DLF</u>	<u>10120124-A0E-40DLF</u>	<u>10120124-H0E-30DLF</u>	<u>10120124-H0E-80DLF</u>
<u>10120124-L0E-10DLF</u>	<u>10120124-S0E-20DLF</u>	<u>10120124-R0E-10DLF</u>	<u>10120124-E0E-50DLF</u>	<u>10120124-U0E-70DLF</u>
<u>10120124-C0E-50DLF</u>	<u>10120124-L0E-70DLF</u>	<u>10120124-J0E-40DLF</u>	<u>10120124-C0E-60DLF</u>	<u>10120124-S0E-40DLF</u>
<u>10120124-W0E-20DLF</u>	<u>10120124-P0E-70DLF</u>	<u>10120124-W0E-30DLF</u>	<u>10120124-F0E-40DLF</u>	<u>10120124-D0E-10DLF</u>
<u>10120124-F0E-10DLF</u>	<u>10120124-A0E-80DLF</u>	<u>10120124-V0E-30DLF</u>	<u>10120124-A0E-60DLF</u>	<u>10120124-C0E-20DLF</u>
<u>10120124-G0E-60DLF</u>	<u>10120124-Q0E-30DLF</u>	<u>10120124-F0E-20DLF</u>	<u>10120124-U0E-40DLF</u>	<u>10120124-00E-20DLF</u>
<u>10120124-U0E-30DLF</u>	<u>10120124-R0E-20DLF</u>	<u>10120124-C0E-40DLF</u>	<u>10120124-E0E-20DLF</u>	<u>10120124-B0E-10DLF</u>
<u>10120124-D0E-20DLF</u>	<u>10120124-W0E-70DLF</u>	<u>10120124-P0E-10DLF</u>	<u>10120124-Y0E-30DLF</u>	<u>10120124-00E-60DLF</u>
<u>10120124-D0E-40DLF</u>	<u>10120124-J0E-60DLF</u>	<u>10120124-J0E-70DLF</u>	<u>10120124-F0E-30DLF</u>	<u>10120124-P0E-40DLF</u>
<u>10120124-J0E-20DLF</u>	<u>10120124-J0E-30DLF</u>	<u>10120124-W0E-50DLF</u>	<u>10120124-V0E-50DLF</u>	<u>10120124-Q0E-10DLF</u>
<u>10120124-T0E-40DLF</u>	<u>10120124-U0E-60DLF</u>	<u>10120124-R0E-30DLF</u>	<u>10120124-Y0E-10DLF</u>	<u>10120124-E0E-10DLF</u>
<u>10120124-L0E-30DLF</u>	<u>10120124-S0E-60DLF</u>	<u>10120124-Q0E-50DLF</u>	<u>10120124-E0E-60DLF</u>	<u>10120124-00E-70DLF</u>