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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



10120132 - X0E - XXXLF

LEAD-FREE DESIGNATION ONLY WITH APPLICABLE PLATING CODES

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

8-COLUMN DIFFERENTIAL SIGNAL

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)	I (ONE)										

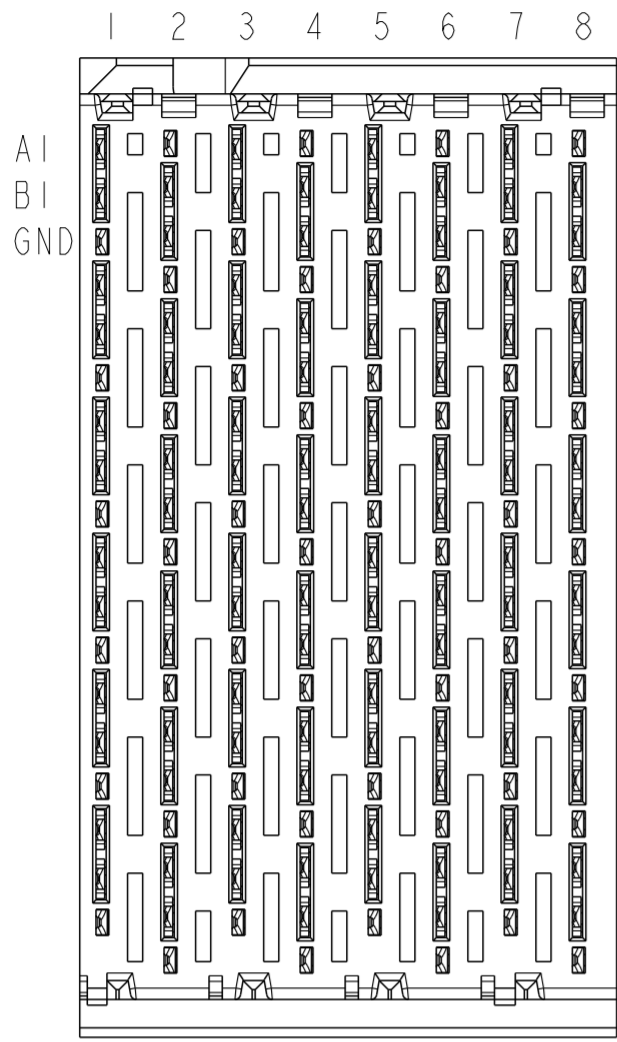
NUMBER	CONTACT MATING WIPE LENGTH		COMPLIANT TAIL TYPE (SEE NOTE 9)
	SIGNAL	GROUND	
1	2 MM	4 MM	0.55 (0.0217" DRILL)
2	3 MM	4 MM	0.55 (0.0217" DRILL)
3	2 MM	4 MM	0.45 MICRO (0.0177" DRILL)
4	3 MM	4 MM	0.45 MICRO (0.0177" DRILL)
5	2 MM	3 MM	0.55 (0.0217" DRILL)
6	3 MM	3 MM	0.55 (0.0217" DRILL)
7	2 MM	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 10120132-XXXX, WHERE: "X" DENOTES MODULE TYPE PER CHART ON THIS SHEET "YYYY" IS A SEQUENTIAL NUMBER BEGINNING WITH "0001".

	UNGROUND	GROUND
FHS	∅2.35-∅2.55	∅2.35-∅2.55
PAD	N/A	∅5.50
PLATED	NO	YES
DRILL(mm)	2.44mm	2.58mm
DRILL(in)	0.096"	0.1015"

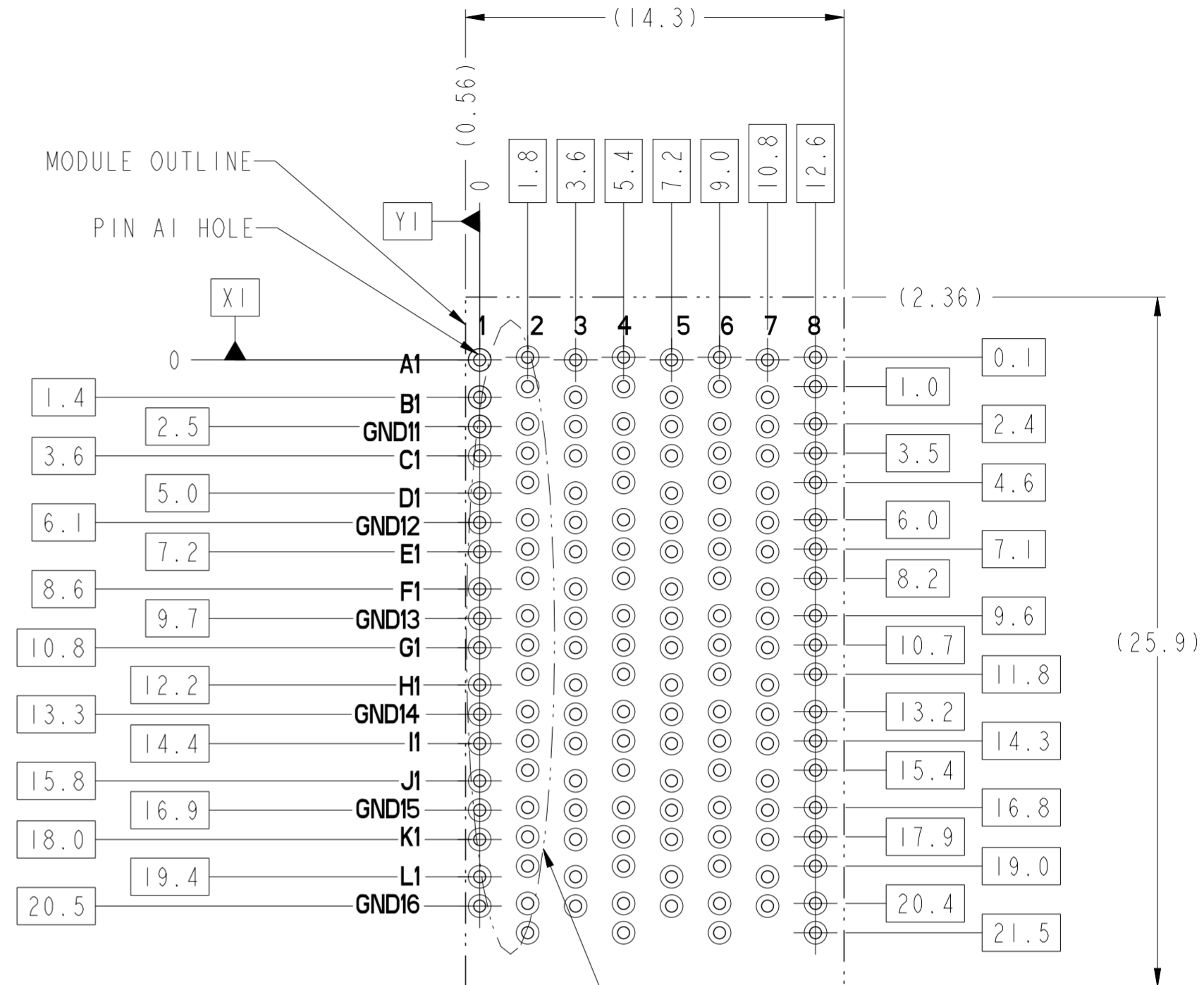
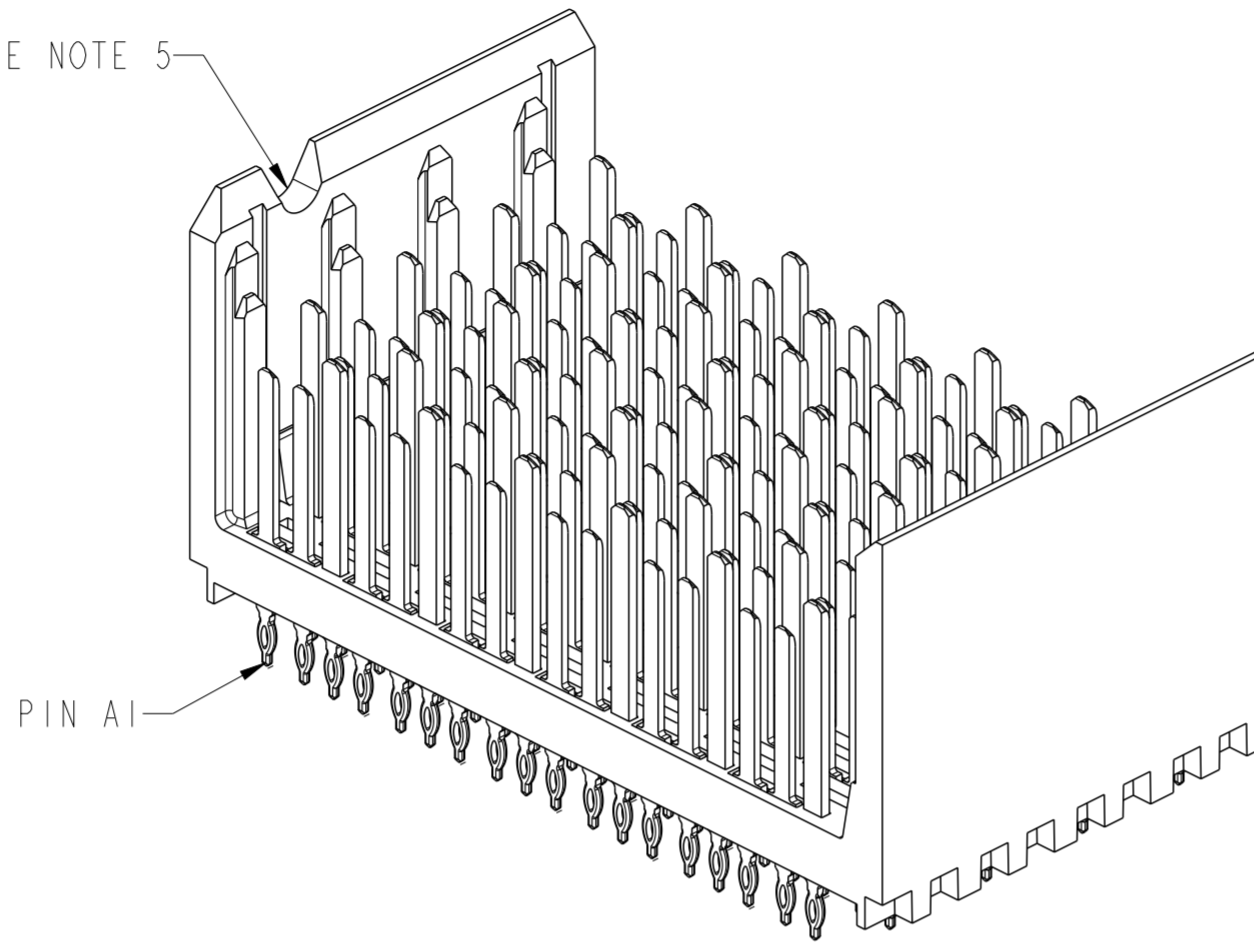
SCREW P/N	DESCRIPTION	BOARD THICKNESS
10091790-002LF	#2-56 X 0.375" LG. PHILIPS PANHEAD W/SQ CONICAL WASHER	1.60-5.00mm
10091790-003LF	#2-56 X 0.375" LG. PHILIPS PANHEAD W/SQ CONICAL WASHER	5.00-10.00mm

spec ref	-	dr	Yong-Keat Lim	2012/02/23	projection	MM	size	A2	scale	2:1
tolerance std	ASME Y14.5	eng	Sandar Soe	2016/03/08	chr	-	ecn no	ELX-S-17624-1	rel level	Released
surface	linear	app	Chen-Hong Tan	2016/03/17	product family	XCEDE HD	cat. no.	10120132	rev	C
ASME Y14.5	angular	0°	±2°	0.X ±0.3	0.XX ±0.10	0.XXX ±0.05	www.fci.com	Product - Customer Drw	sheet 1 of 8	



OPEN WALL MODULE

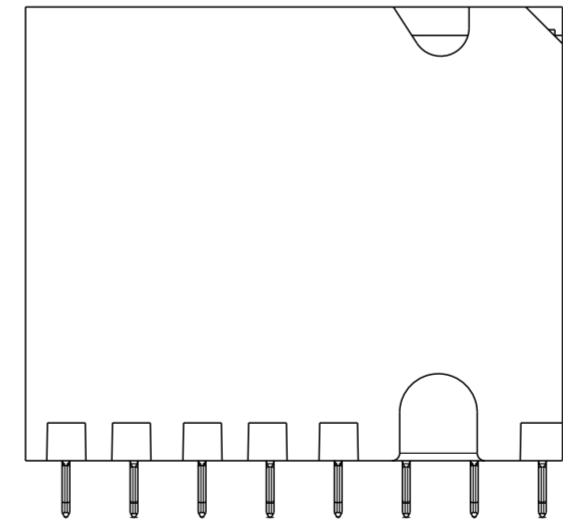
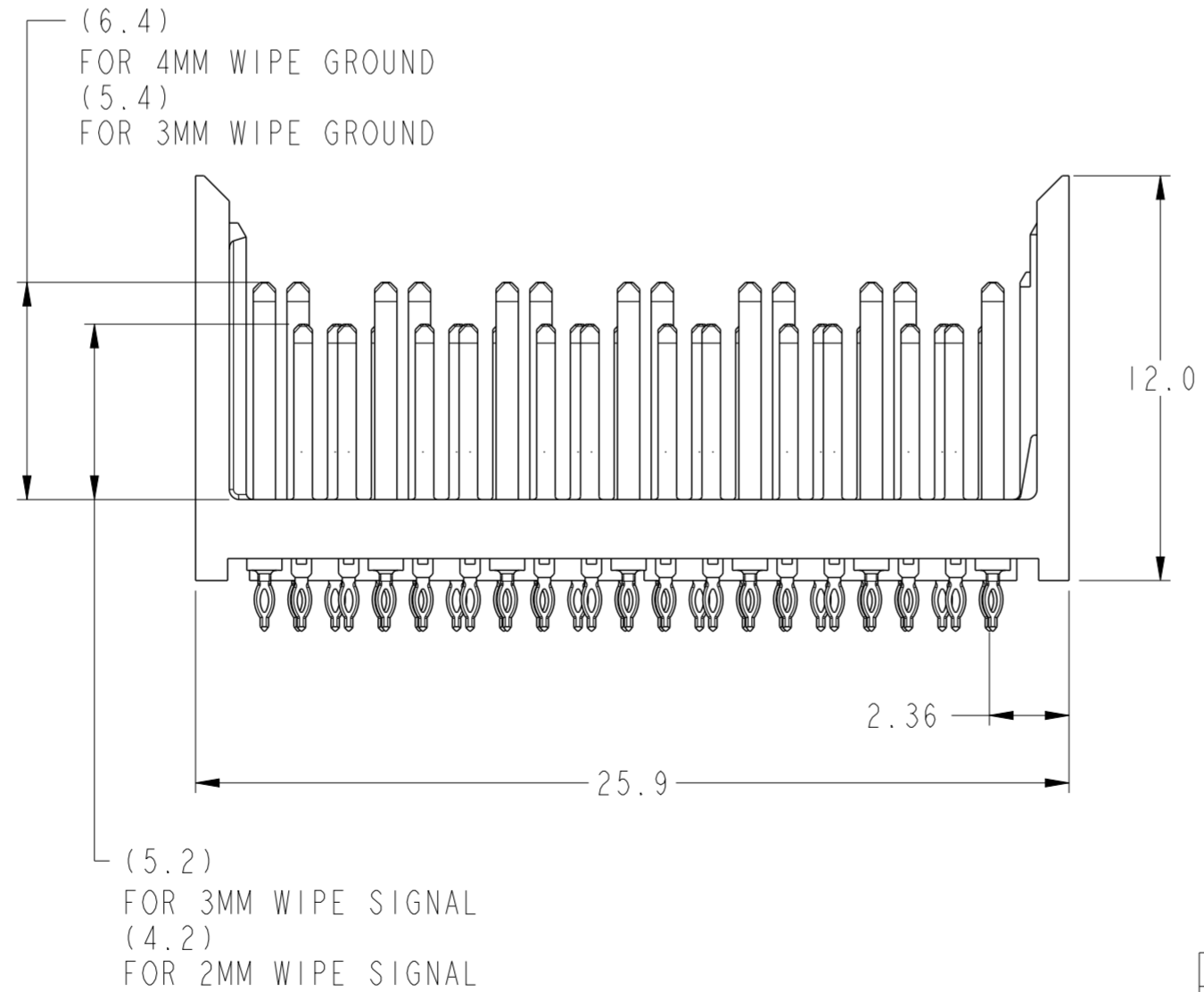
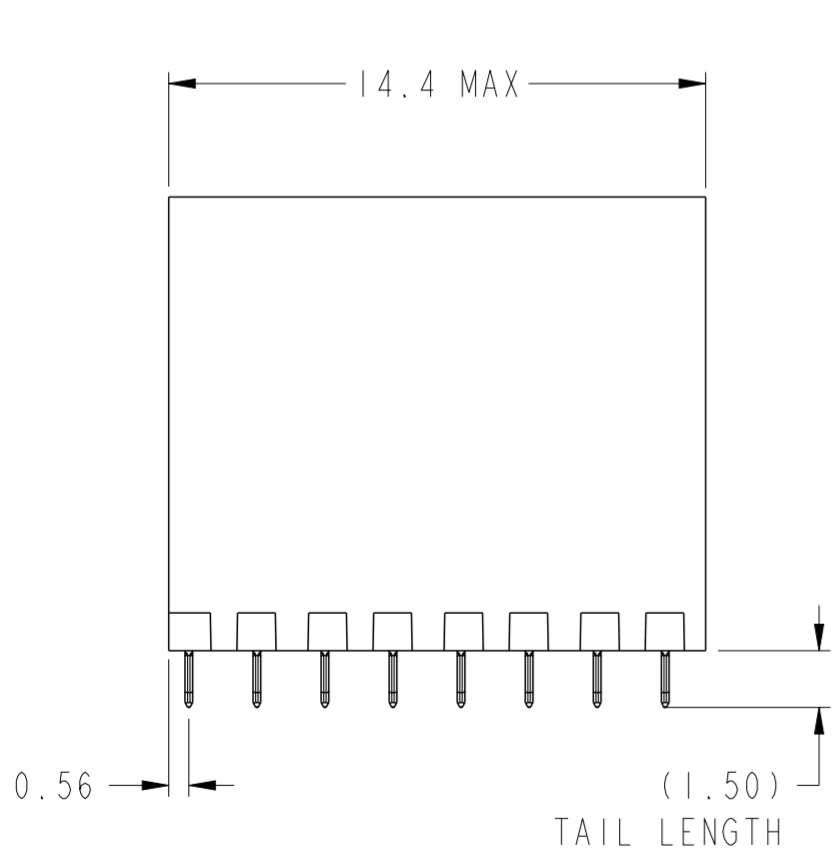
SEE NOTE 5



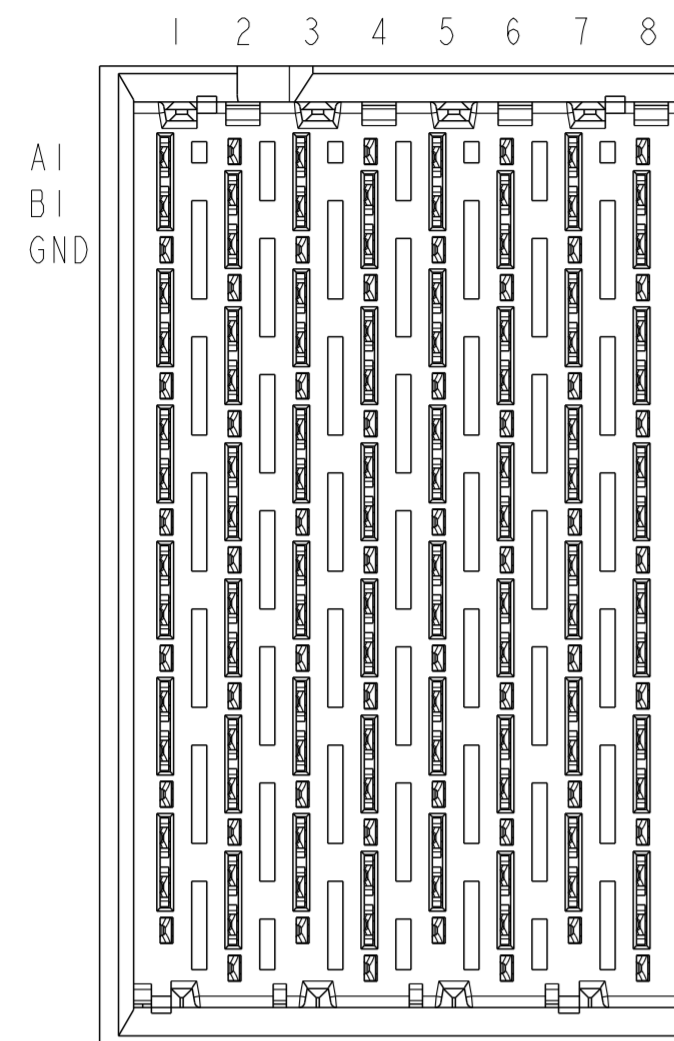
SEE DETAIL A ON SHEET 8 FOR PINOUT DETAILS

BP HOLE PATTERN COMPONENT SIDE

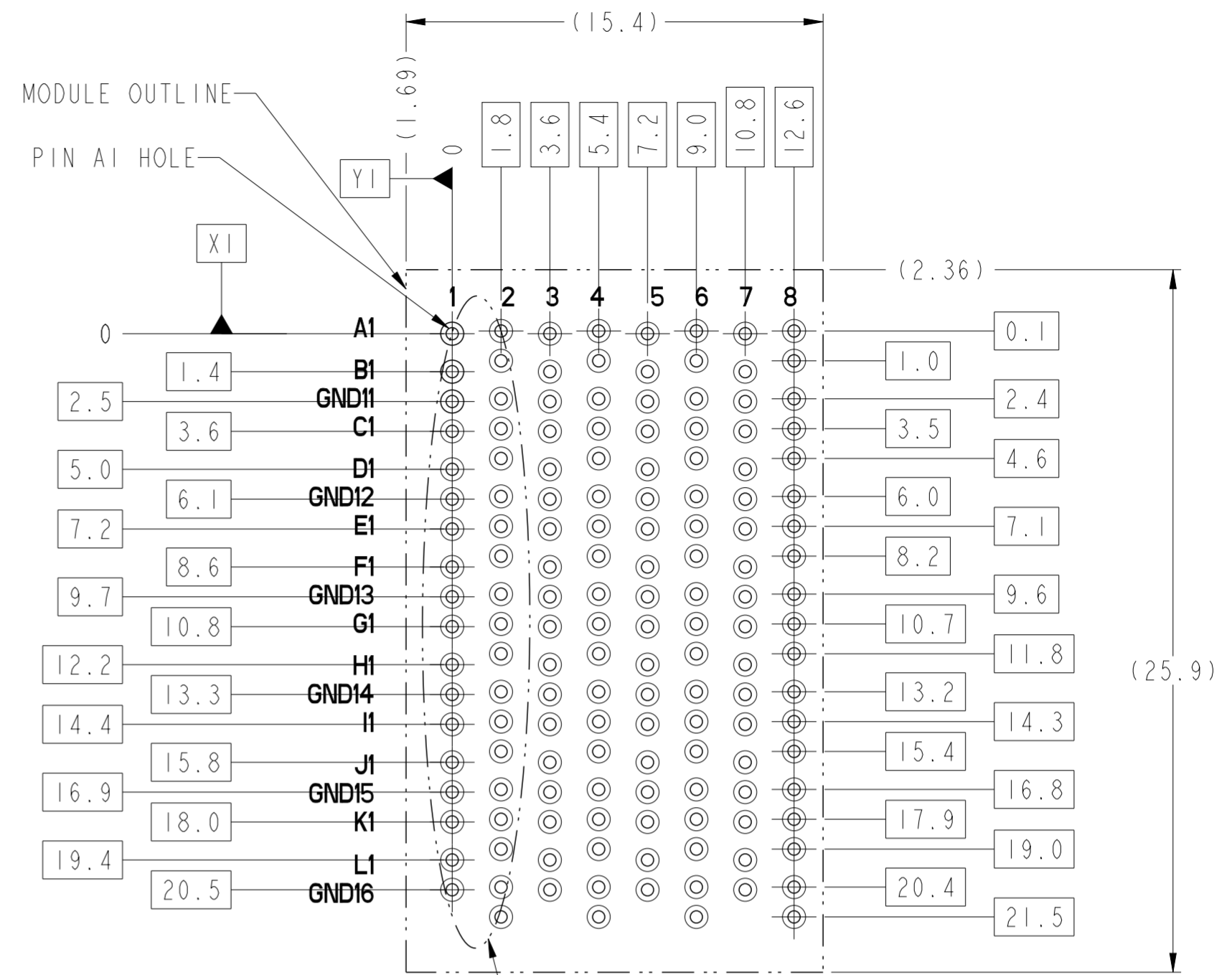
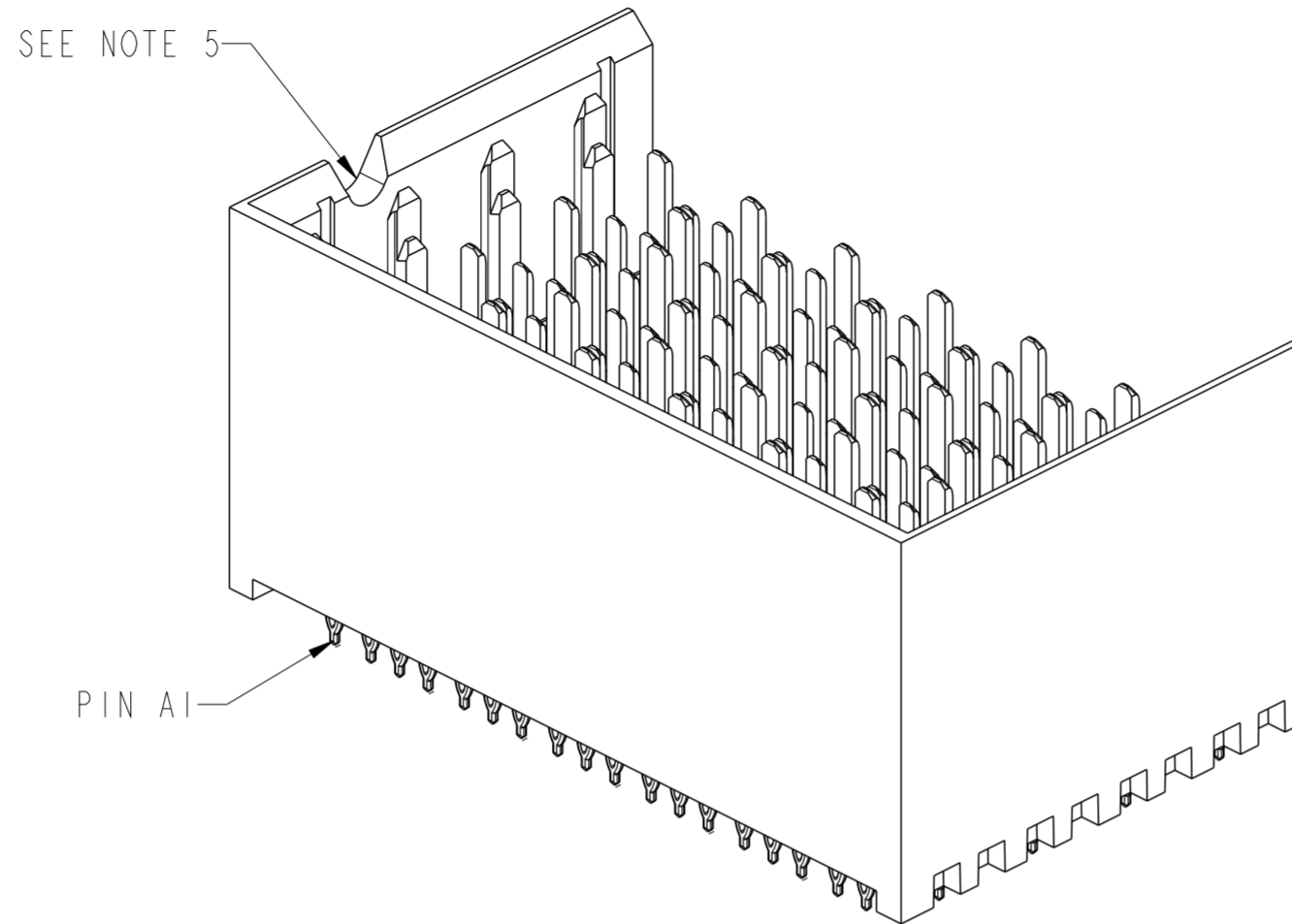
OPEN WALL MODULE BACKPLANE FOOTPRINT



spec ref	-	dr	Yong-Keat Lim	2012/02/23	projection	MM	size	A2	scale	5:1
tolerance std	ASME Y14.5	eng	Sandar Soe	2016/03/08			ecn no	ELX-S-17624-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	rel level			Released			
surface	linear	0.X	±0.3		product family	XCEDE HD	rel level	Released		
ASME Y14.5	angular	0°	±2°		product	Customer Drw		sheet	2 of 8	
	0.XX	±0.10	0.XXX		±0.05	cat. no.	-	Product	Customer Drw	
VERTICAL HEADER ASSEMBLY		www.fci.com		XCEDE HD 6 PAIR, 8 COLUMN		dwg no	10120132		rev	C

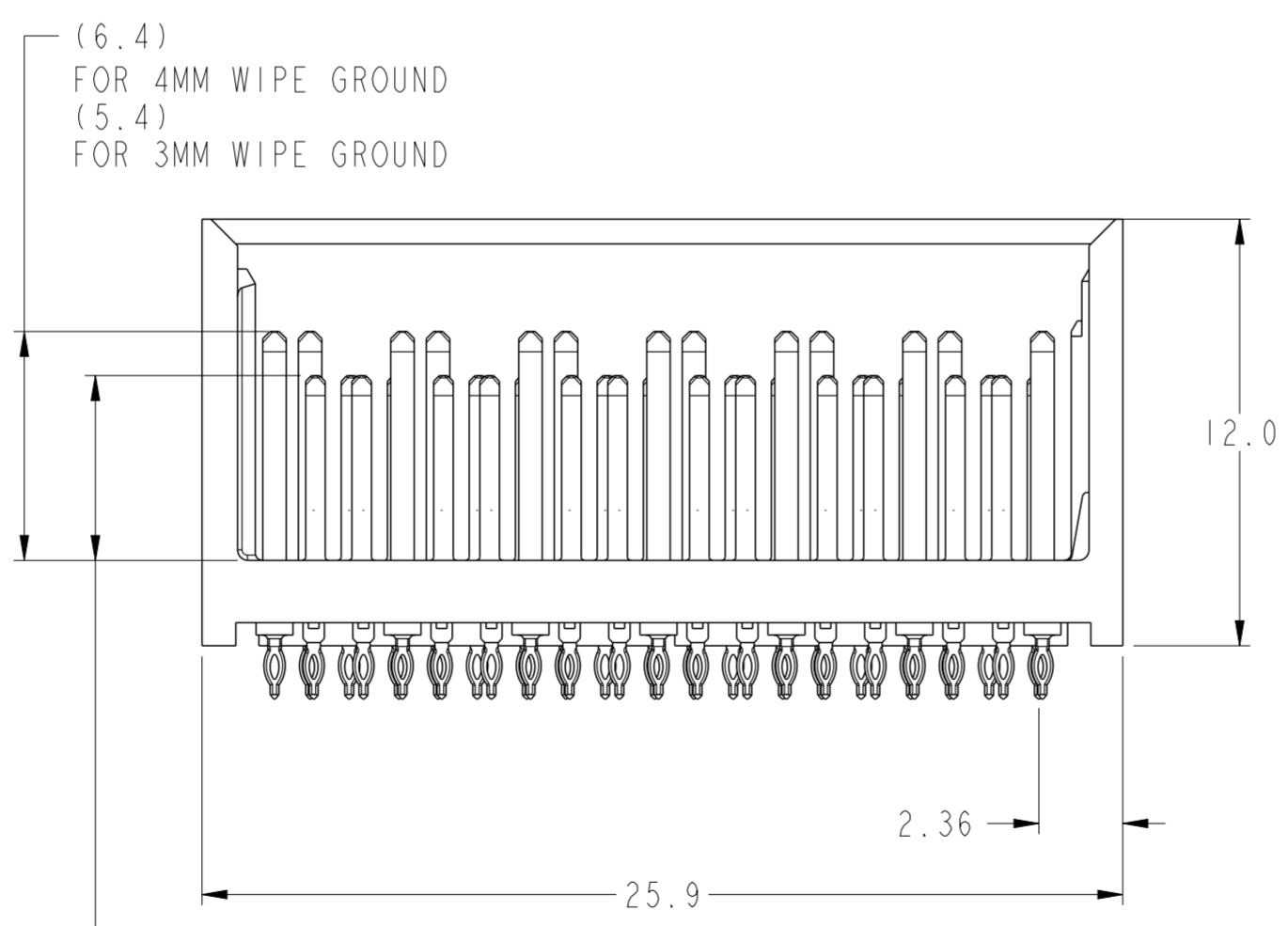
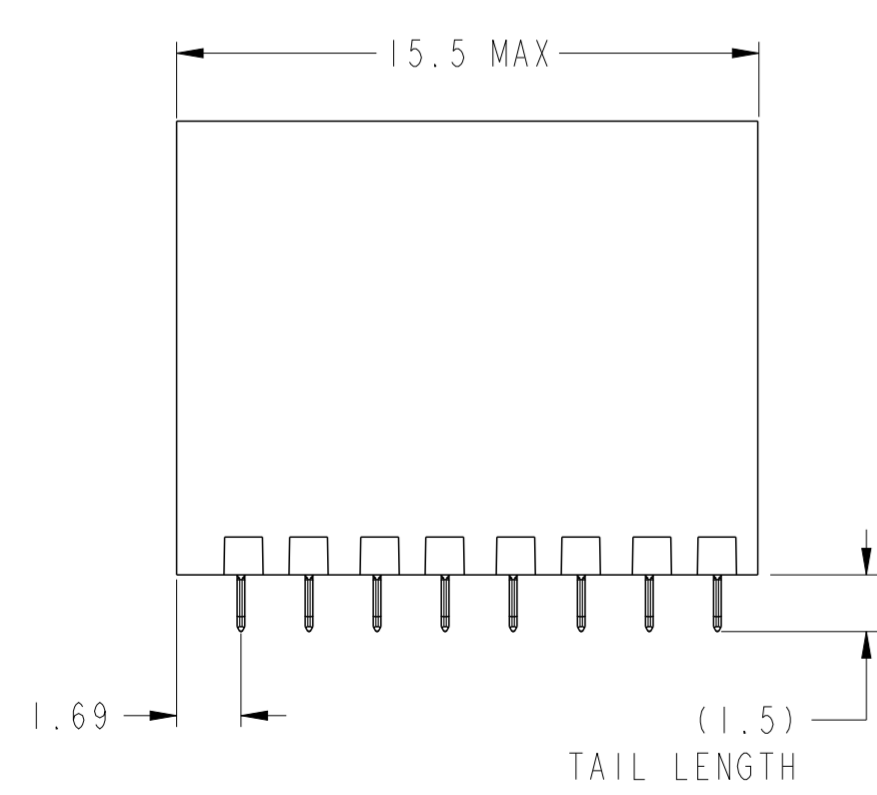


LEFT WALL MODULE



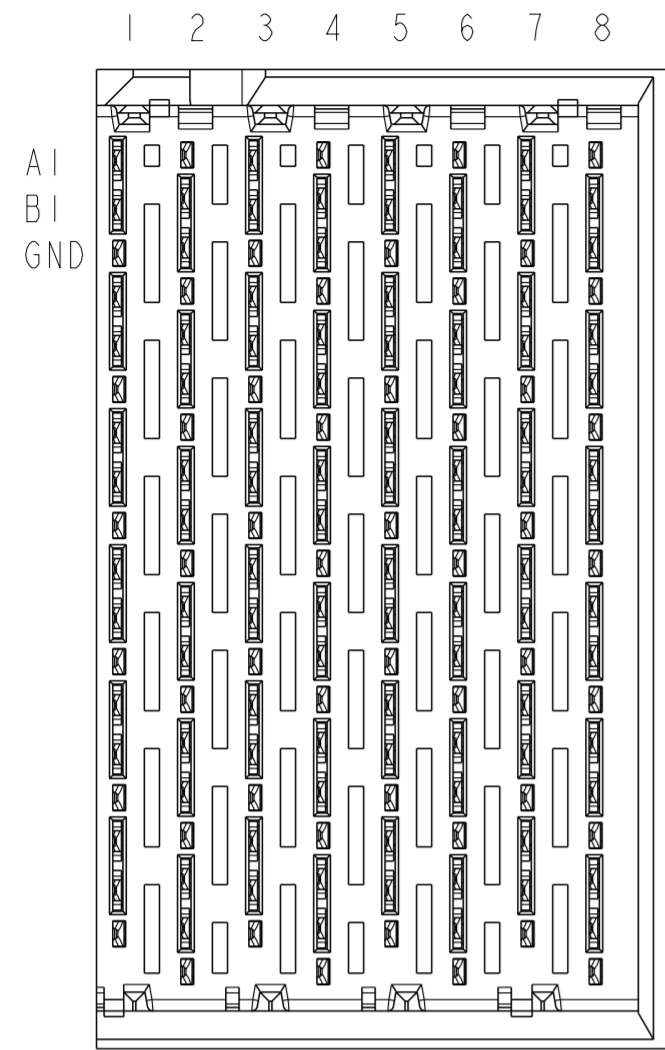
SEE DETAIL A ON SHEET 8 FOR PINOUT DETAILS

BP HOLE PATTERN COMPONENT SIDE
LEFT WALL MODULE BACKPLANE FOOTPRINT

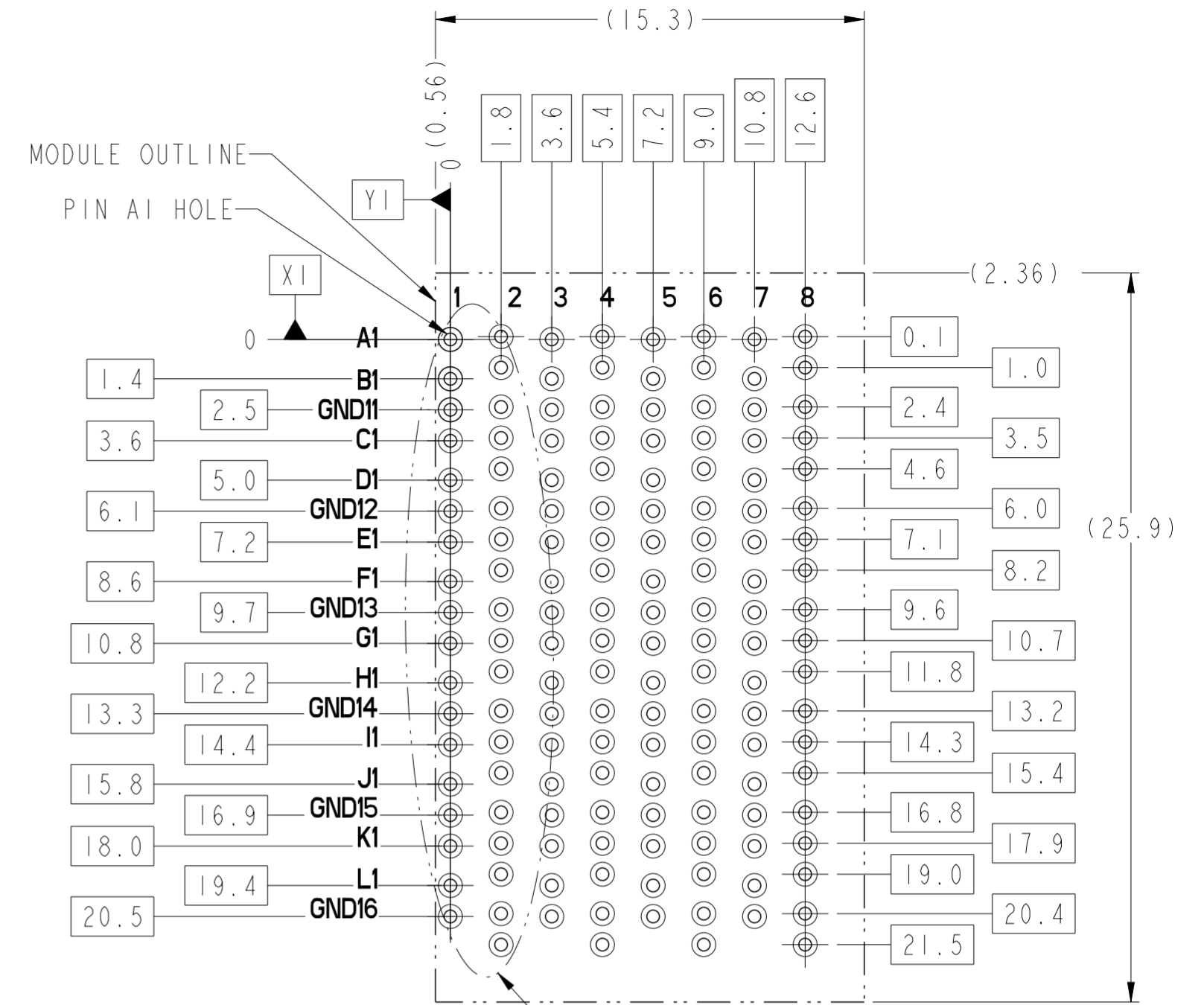
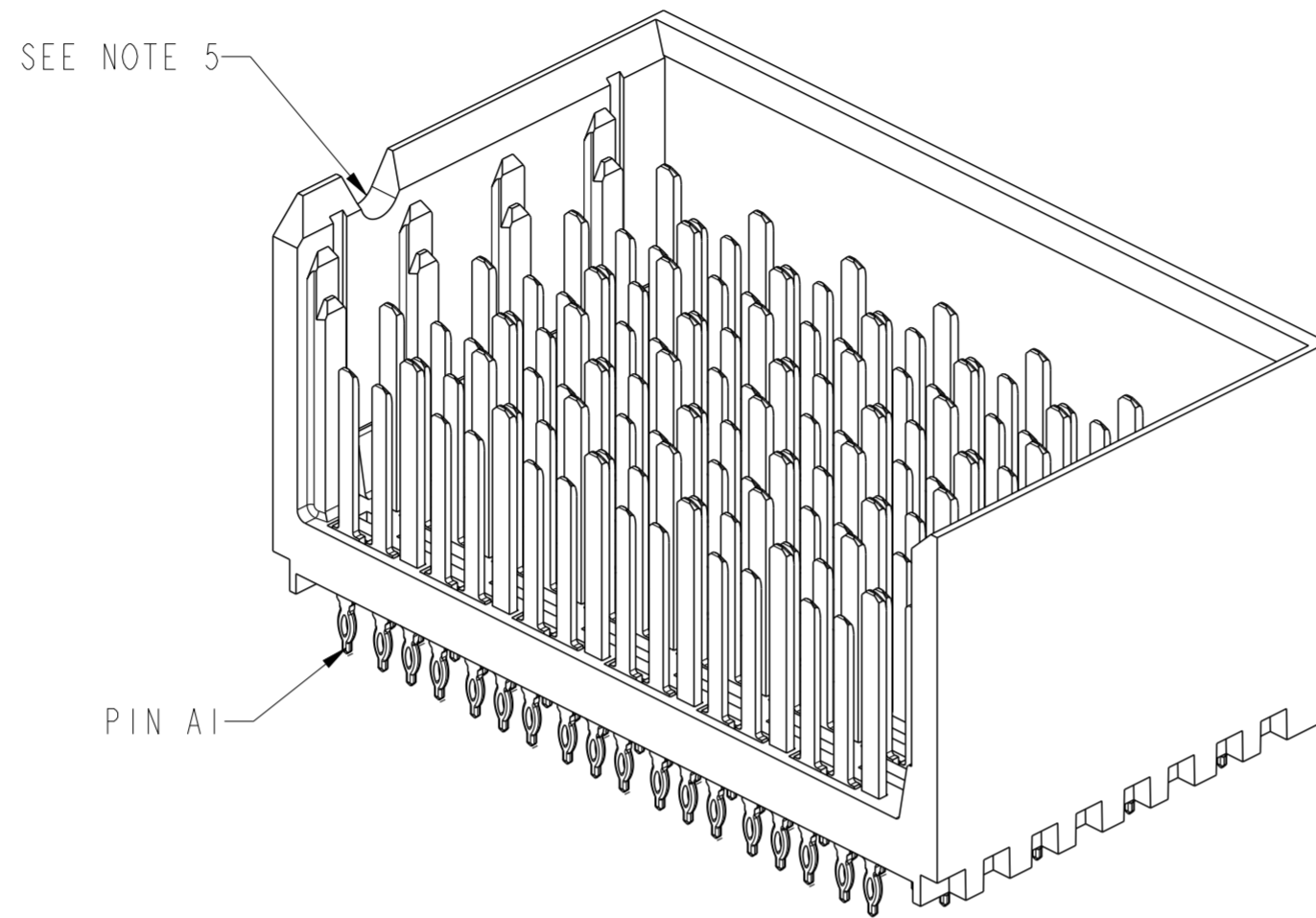


(5.2) FOR 3MM WIPE SIGNAL
(4.2) FOR 2MM WIPE SIGNAL

spec ref	-	dr	Yong-Keat Lim	2012/02/23	projection	MM	size	A2	scale	5:1
tolerance std	ASME Y14.5	eng	Sandar Soe	2016/03/08	chr	-	ecn no	ELX-S-17624-1	rel level	Released
surface	ASME Y14.5	appr	Chen-Hong Tan	2016/03/17	product family	XCEDE HD	rel level	Released	cat. no.	Product - Customer Drw
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	angular	0° ±2°	Amphenol FCI VERTICAL HEADER ASSEMBLY XCEDE HD 6 PAIR, 8 COLUMN www.fci.com		dwg no	10120132	rev	C	sheet 3 of 8



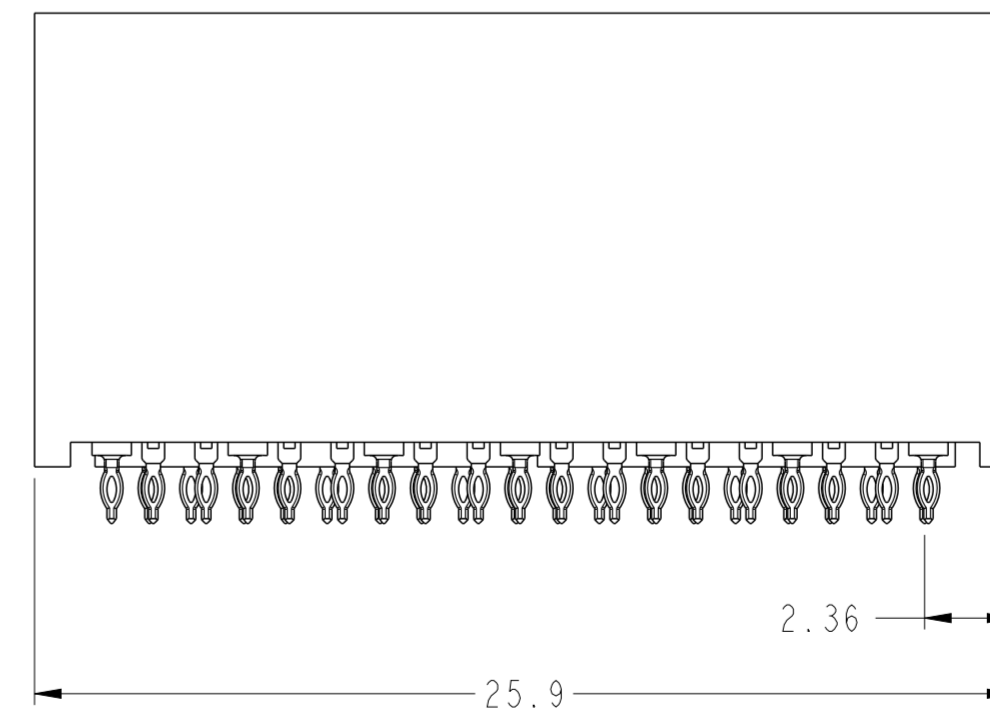
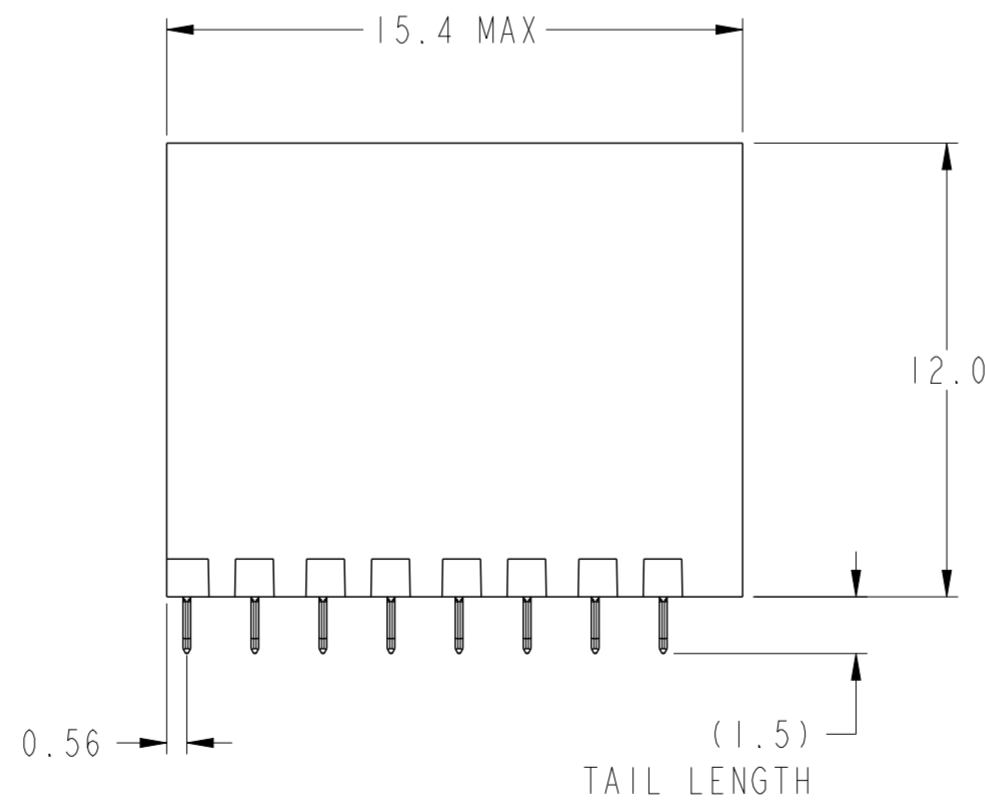
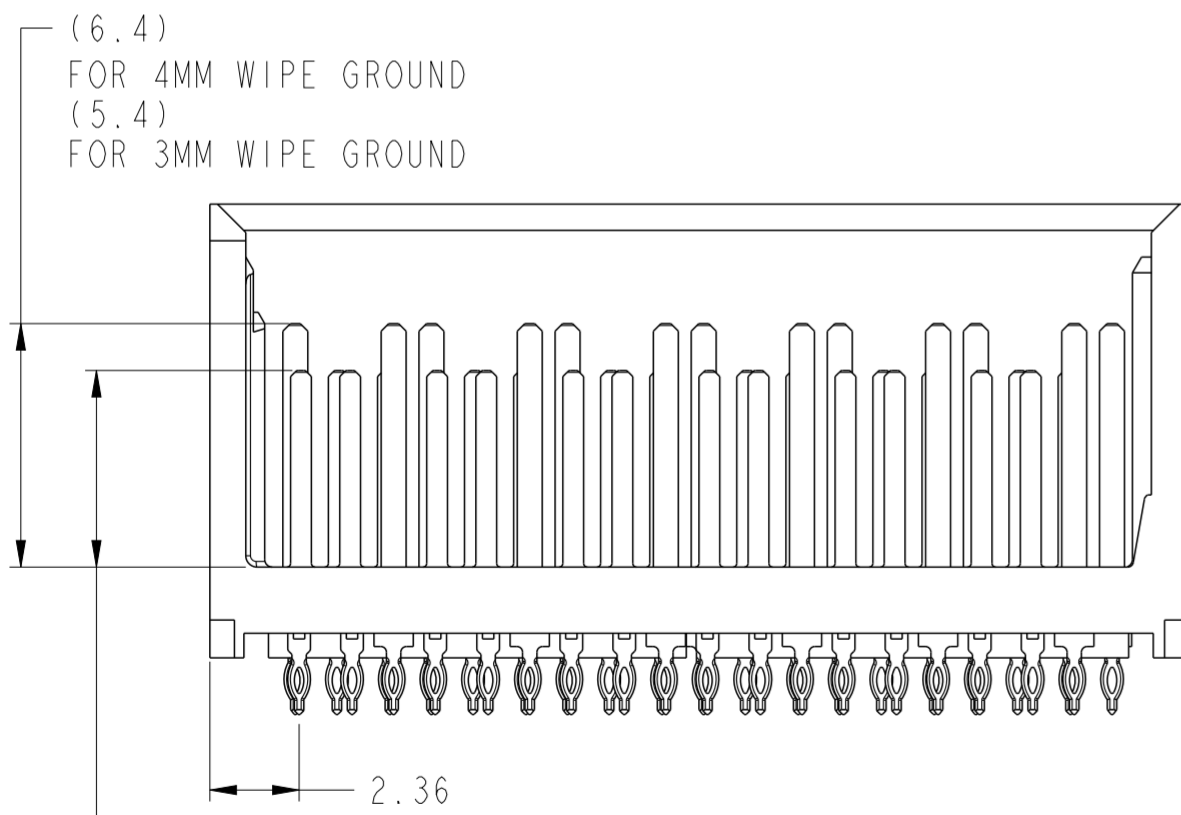
RIGHT WALL MODULE



SEE DETAIL A ON SHEET 8 FOR PINOUT DETAILS

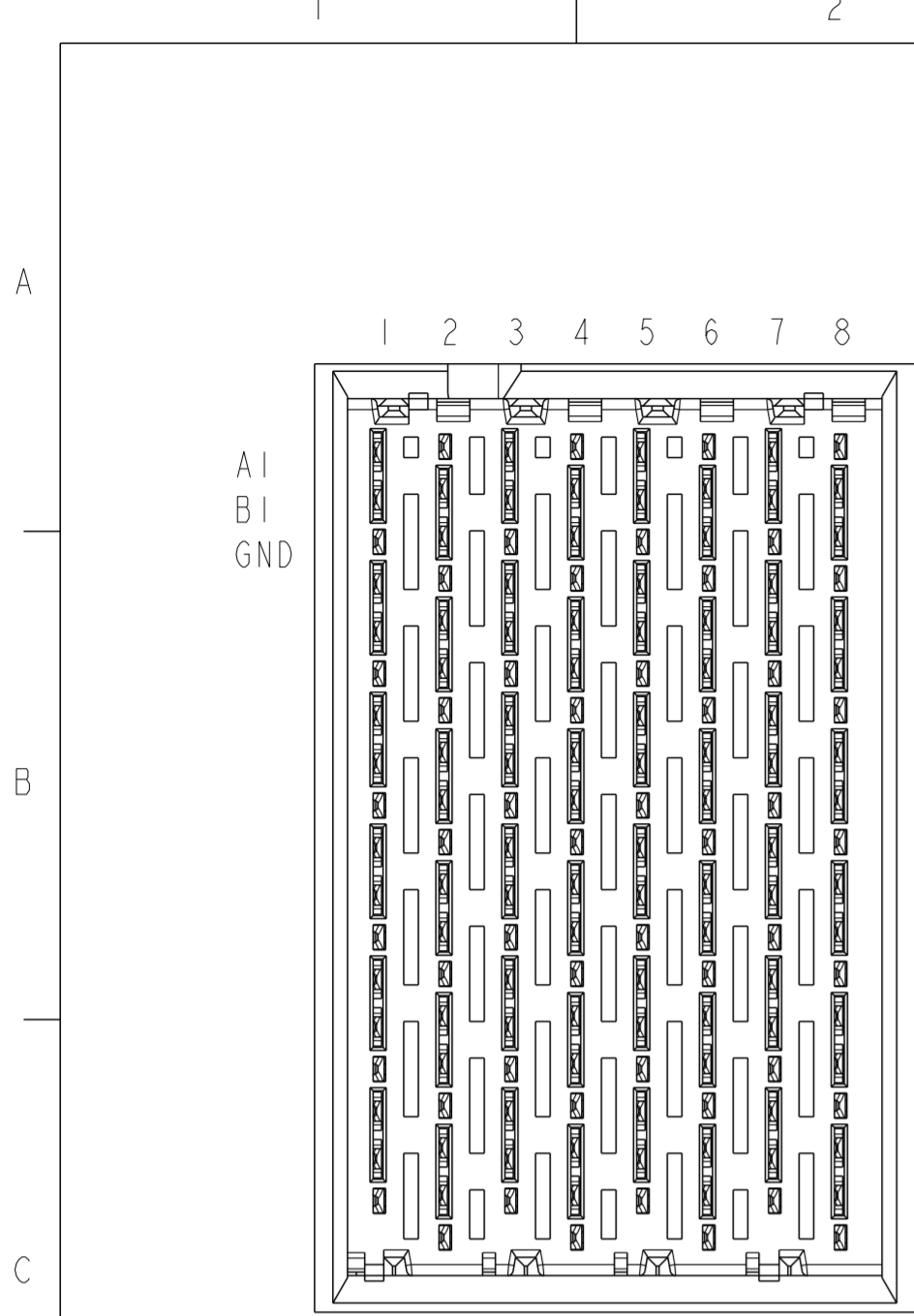
BP HOLE PATTERN COMPONENT SIDE

RIGHT WALL MODULE BACKPLANE FOOTPRINT

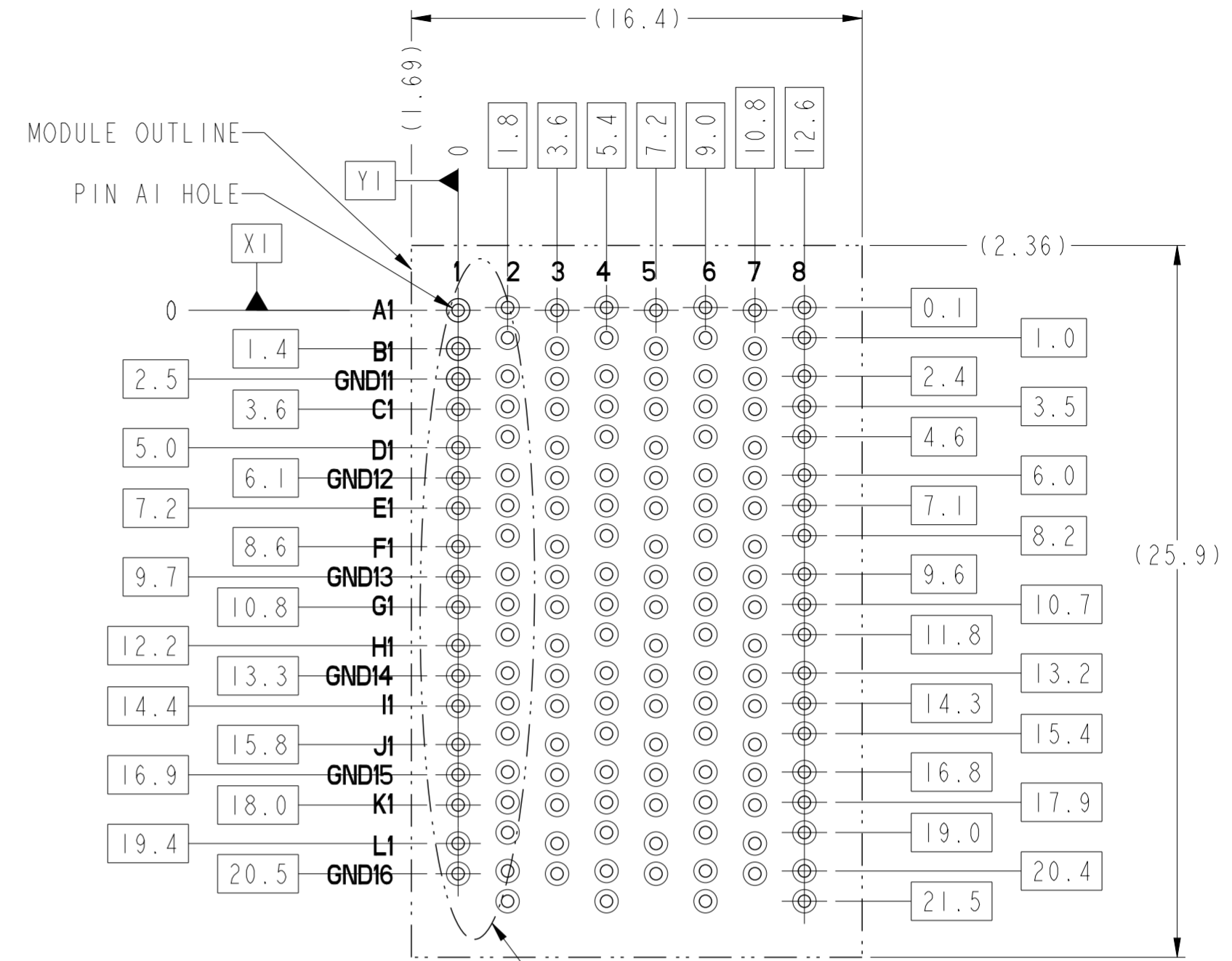
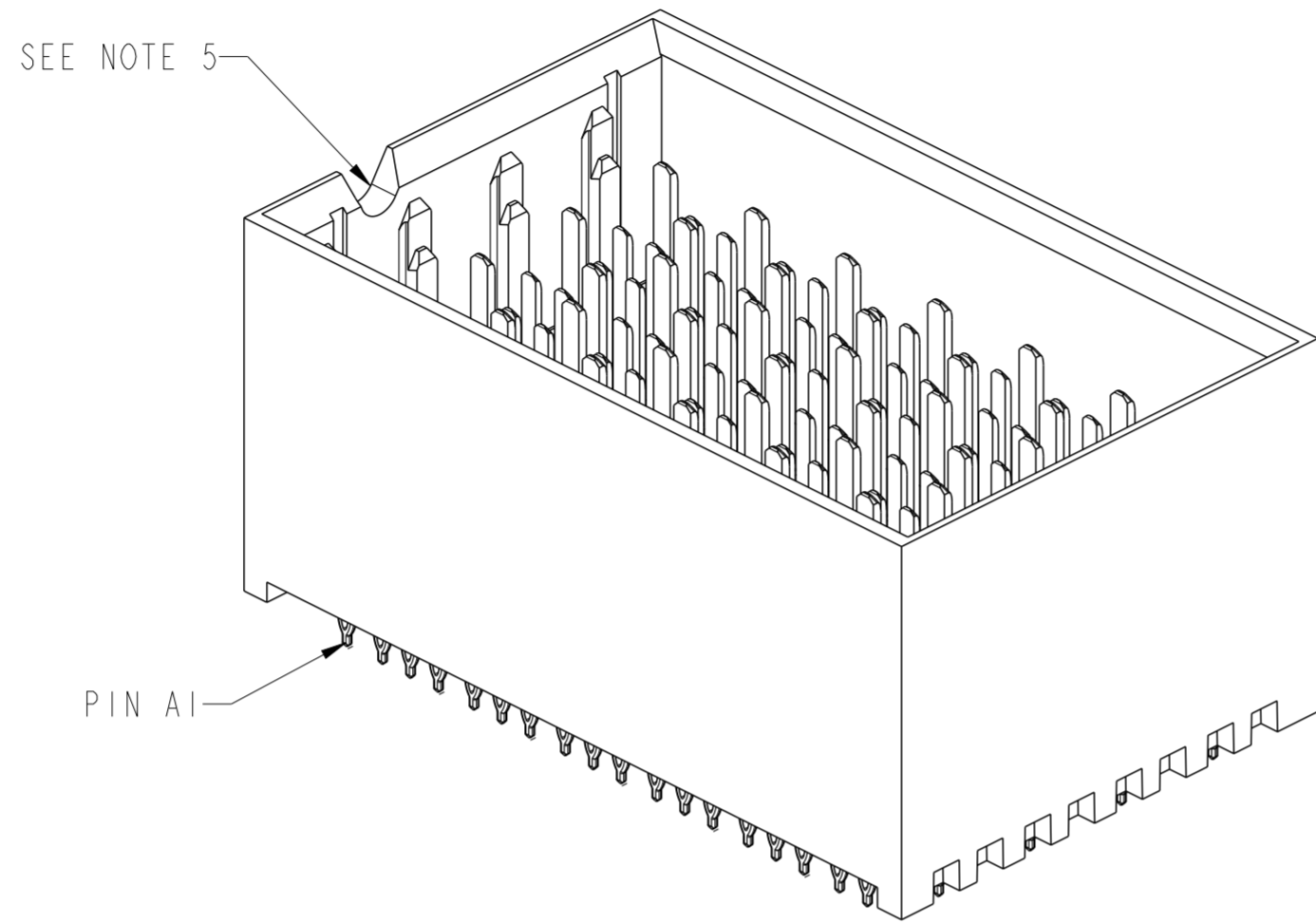


(5.2) FOR 3MM WIPE SIGNAL
(4.2) FOR 2MM WIPE SIGNAL

spec ref	-	dr	Yong-Keat Lim	2012/02/23	projection	MM	size	A2	scale	5:1														
tolerance std	ASME Y14.5	eng	Sandar Soe	2016/03/08			ecn no	ELX-S-17624-1	rel level	Released														
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	product family							XCEDE HD													
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±0.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±0.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±0.05</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±2°</td> </tr> </table>	linear	0.X	±0.3		0.XX	±0.10		0.XXX	±0.05	angular	0°	±2°	apppr	Chen-Hong Tan	2016/03/17	product family	XCEDE HD	rel level	Released	cat. no.	-	Product - Customer Drw	sheet 4 of 8
linear	0.X	±0.3																						
	0.XX	±0.10																						
	0.XXX	±0.05																						
angular	0°	±2°																						
		Amphenol FCI www.fci.com		TITLE VERTICAL HEADER ASSEMBLY XCEDE HD 6 PAIR, 8 COLUMN		dwg no 10120132		rev C																



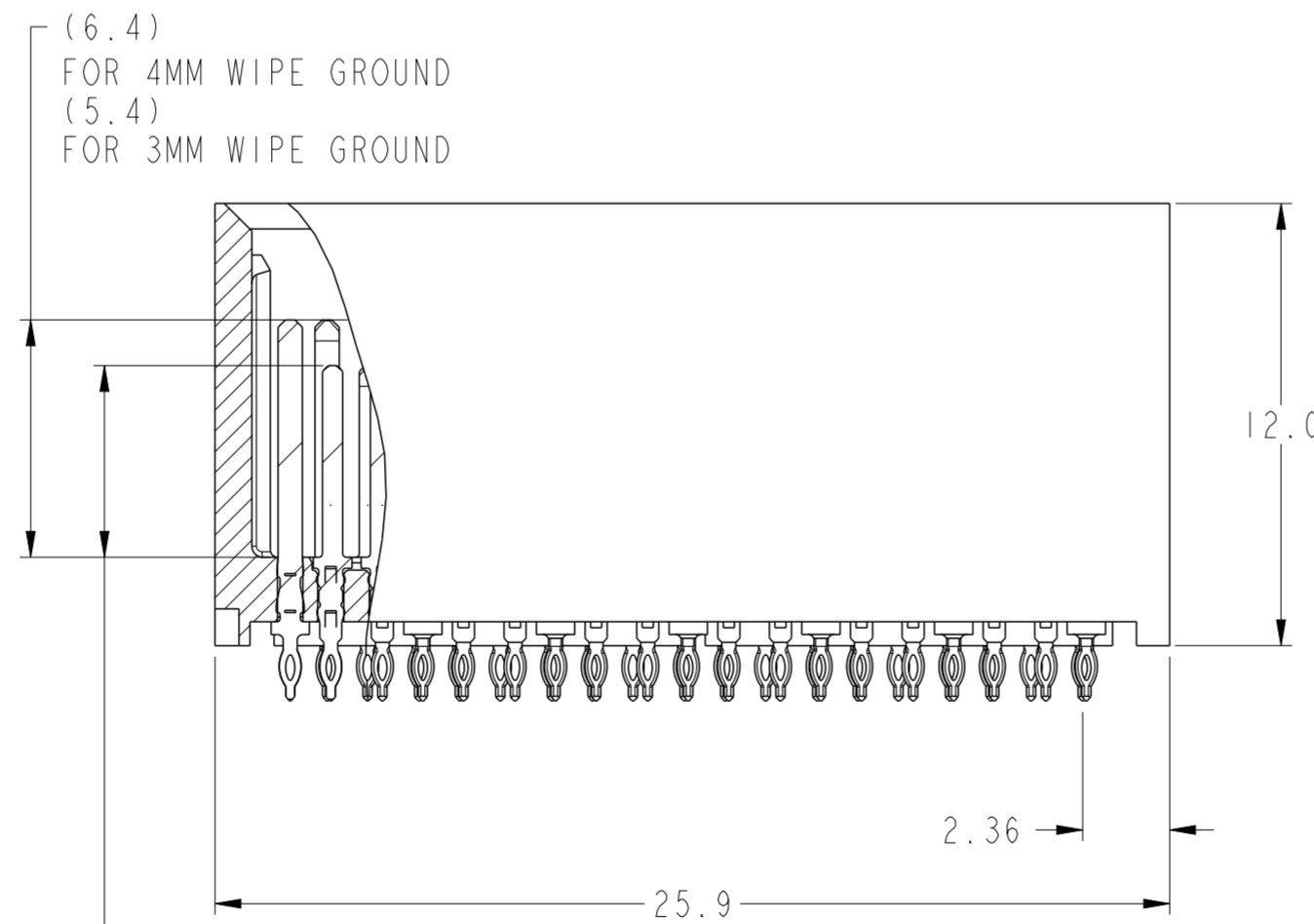
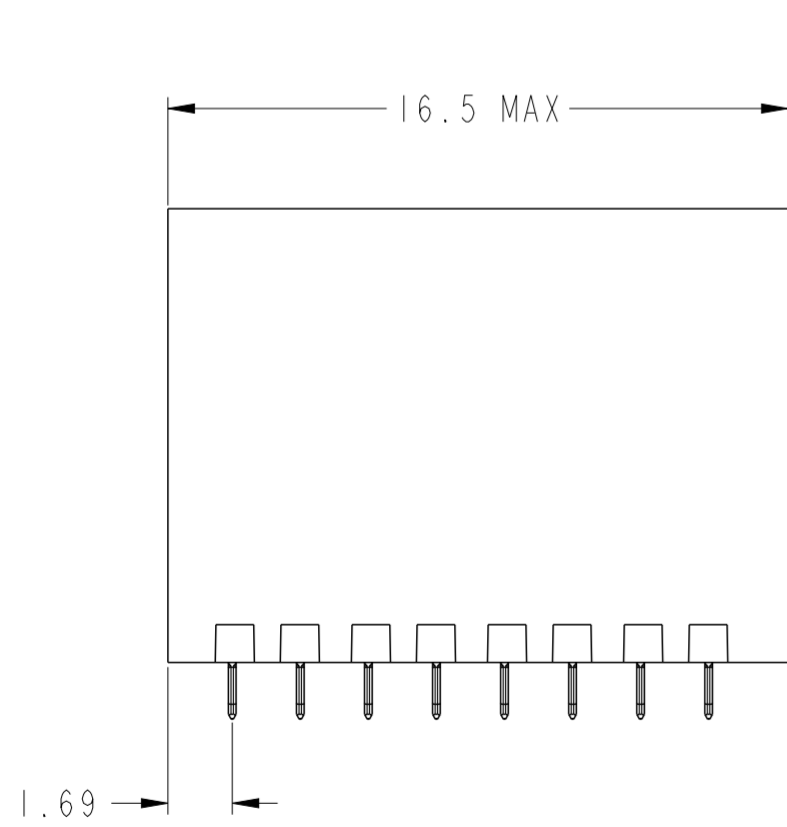
FOUR WALL MODULE



SEE DETAIL A
ON SHEET 8 FOR PINOUT DETAILS

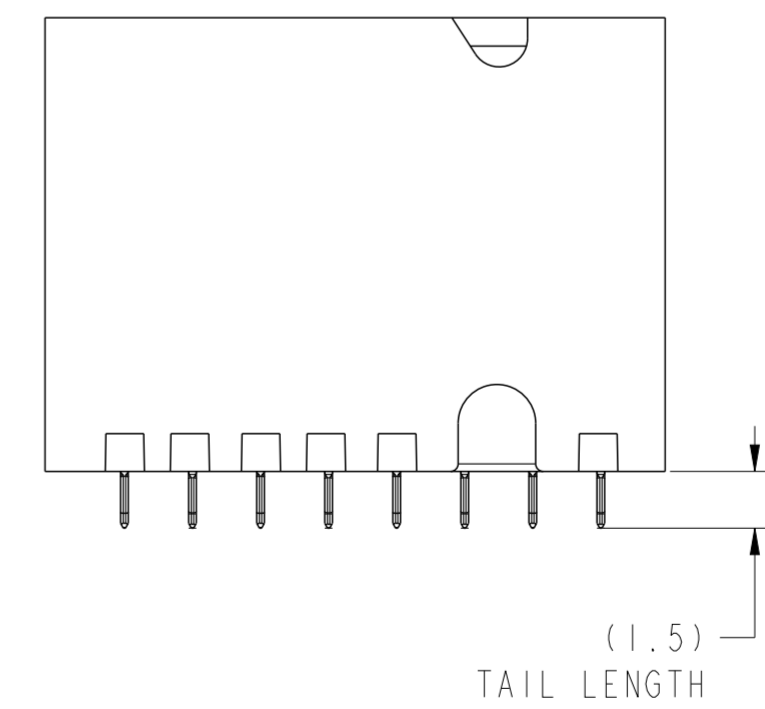
BP HOLE PATTERN COMPONENT SIDE

FOUR WALL MODULE BACKPLANE FOOTPRINT

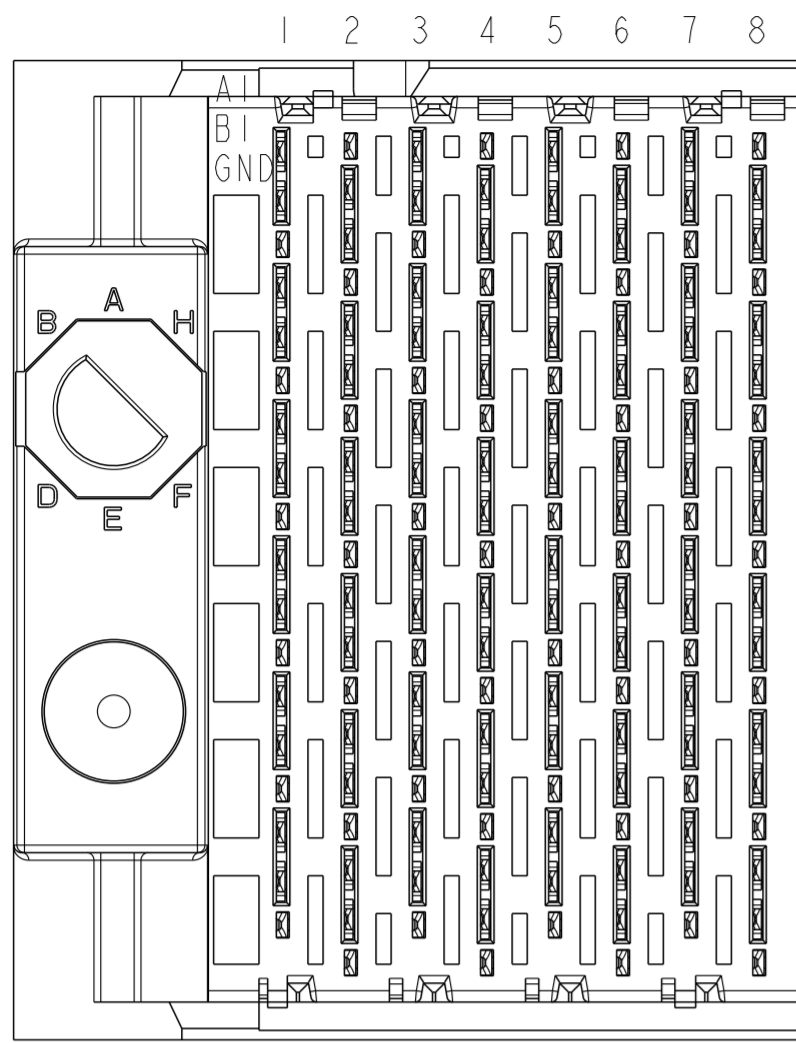


(6.4)
FOR 4MM WIPE GROUND
(5.4)
FOR 3MM WIPE GROUND

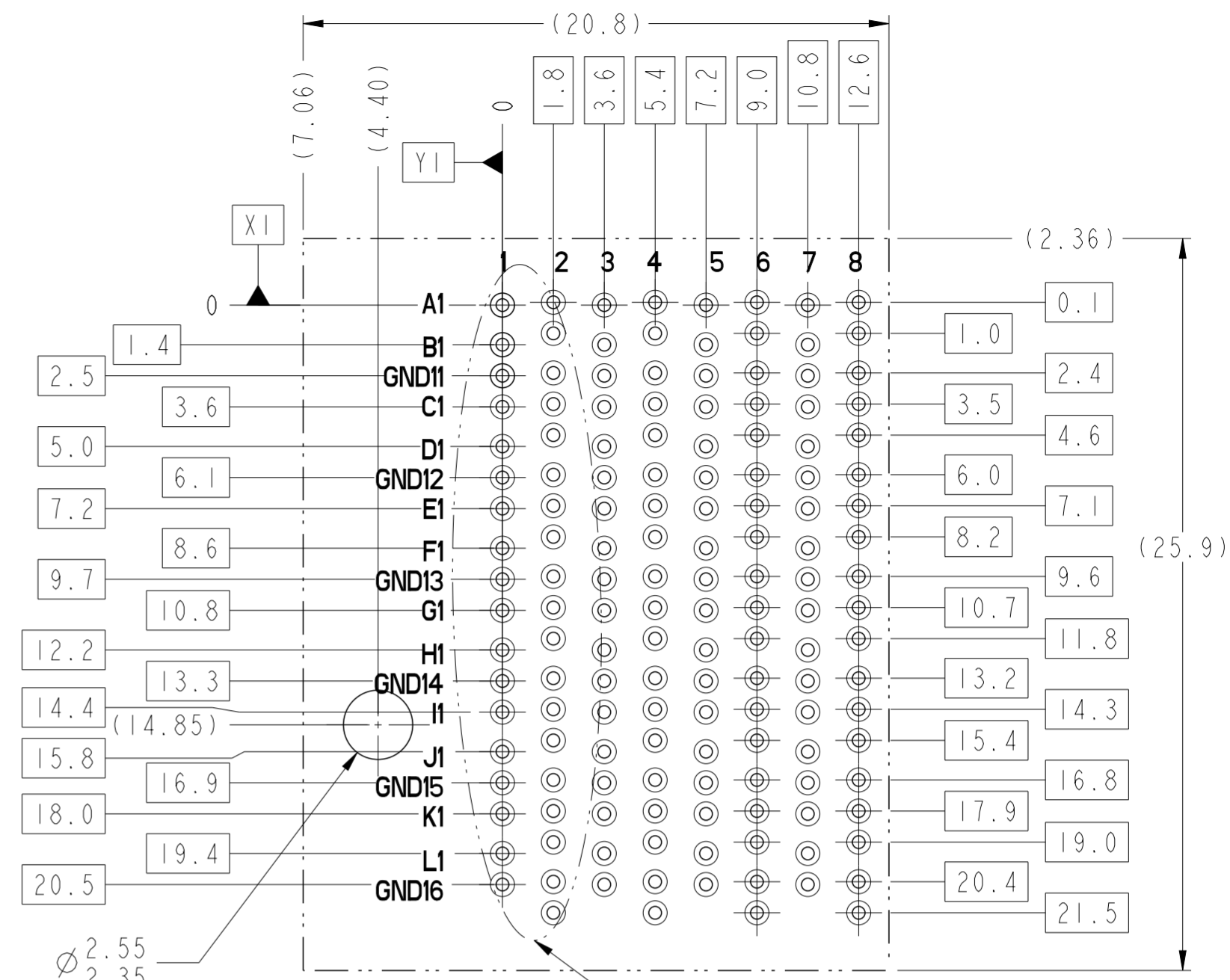
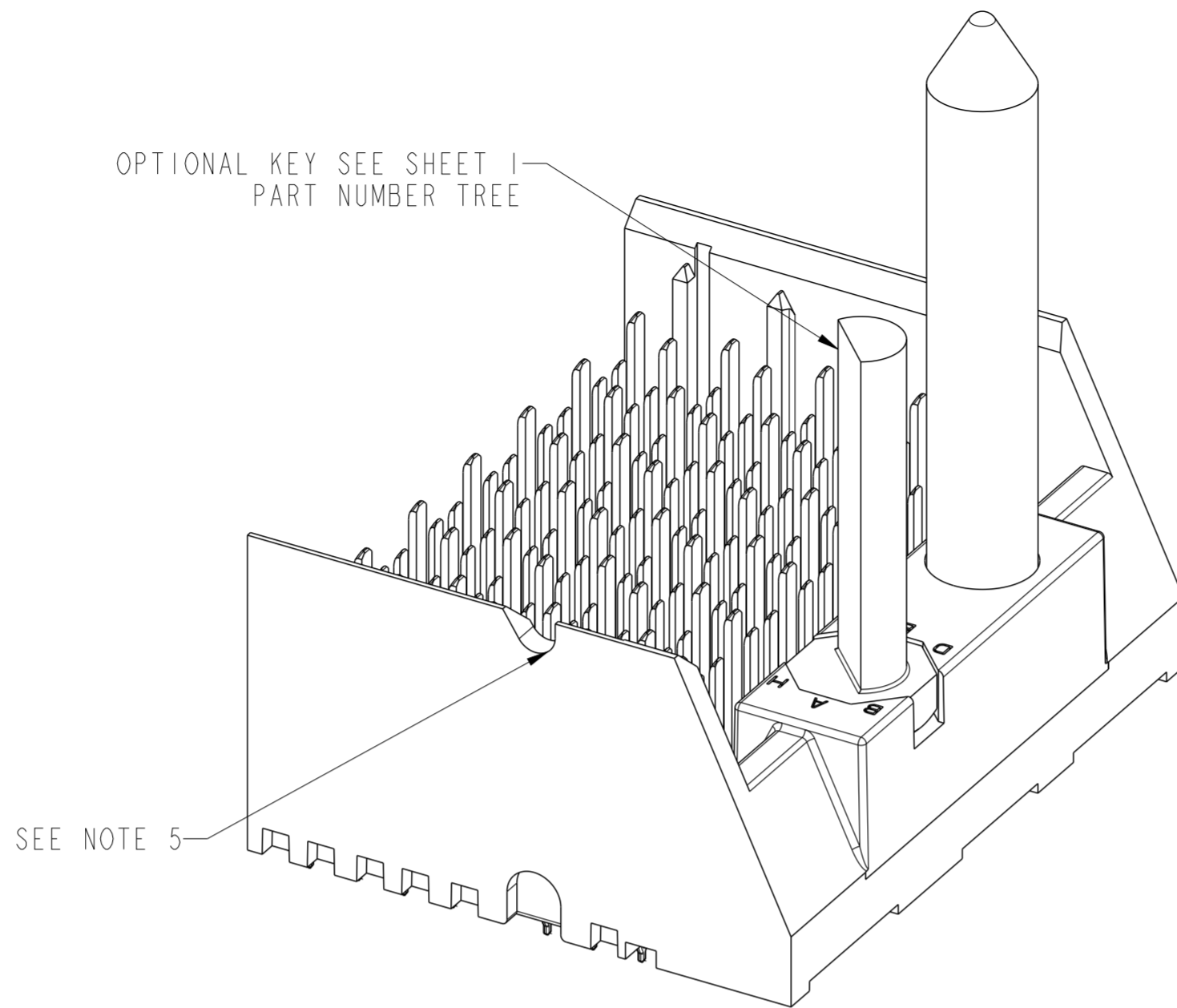
(5.2)
FOR 3MM WIPE SIGNAL
(4.2)
FOR 2MM WIPE SIGNAL



spec ref	-	dr	Yong-Keat Lim	2012/02/23	projection	MM	size	A2	scale	5:1
tolerance std	ASME Y14.5	eng	Sander Soe	2016/03/08			ecn no	ELX-S-17624-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	product family						
surface	linear	0.X	±0.3		VERTICAL HEADER ASSEMBLY XCEDE HD 6 PAIR, 8 COLUMN	dwg no 10120132	rev C	Product - Customer Drw		
	angular	0°	±2°					cat. no.	-	sheet 5 of 8



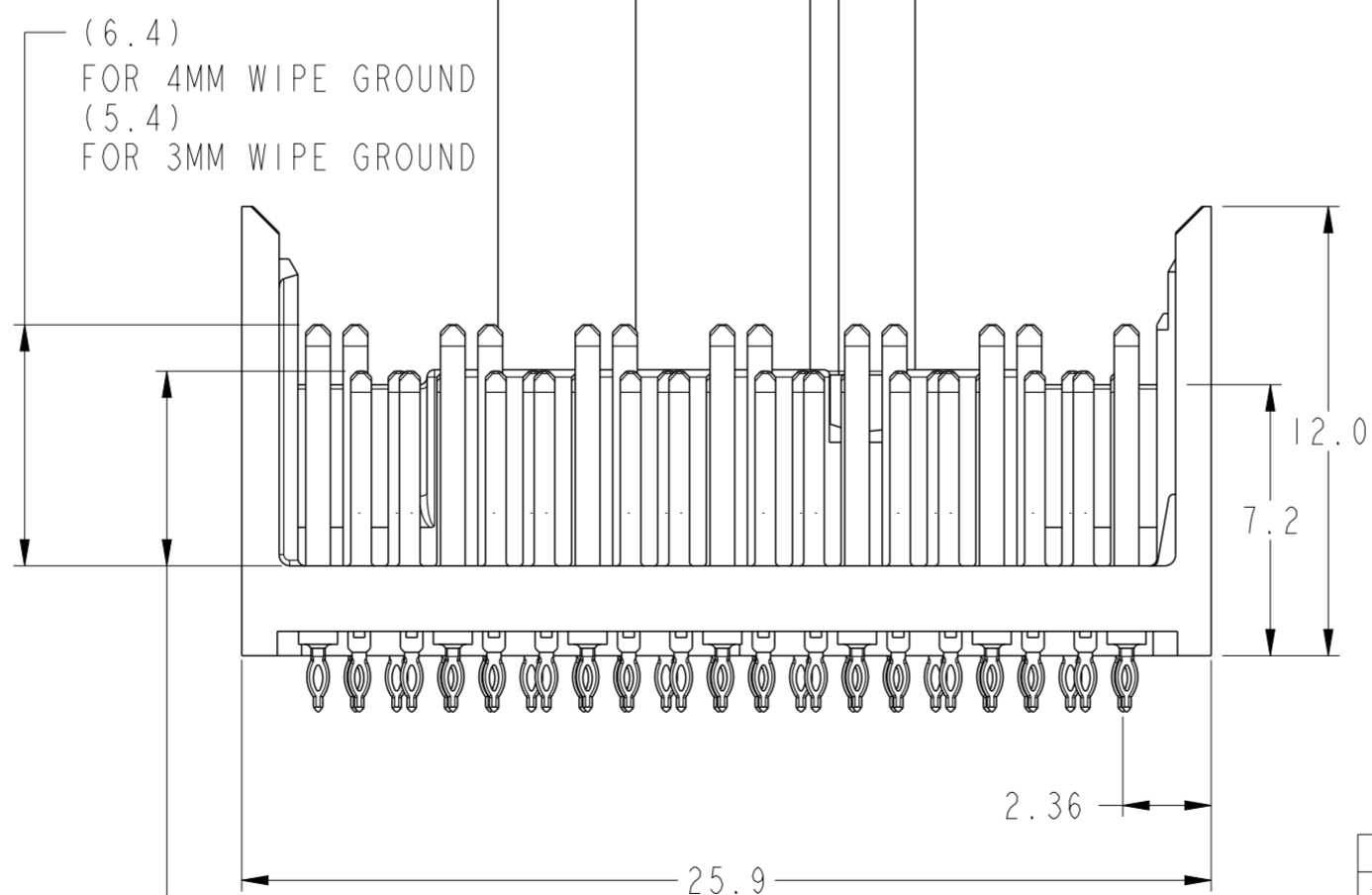
LEFT POLARIZING / GUIDE MODULE



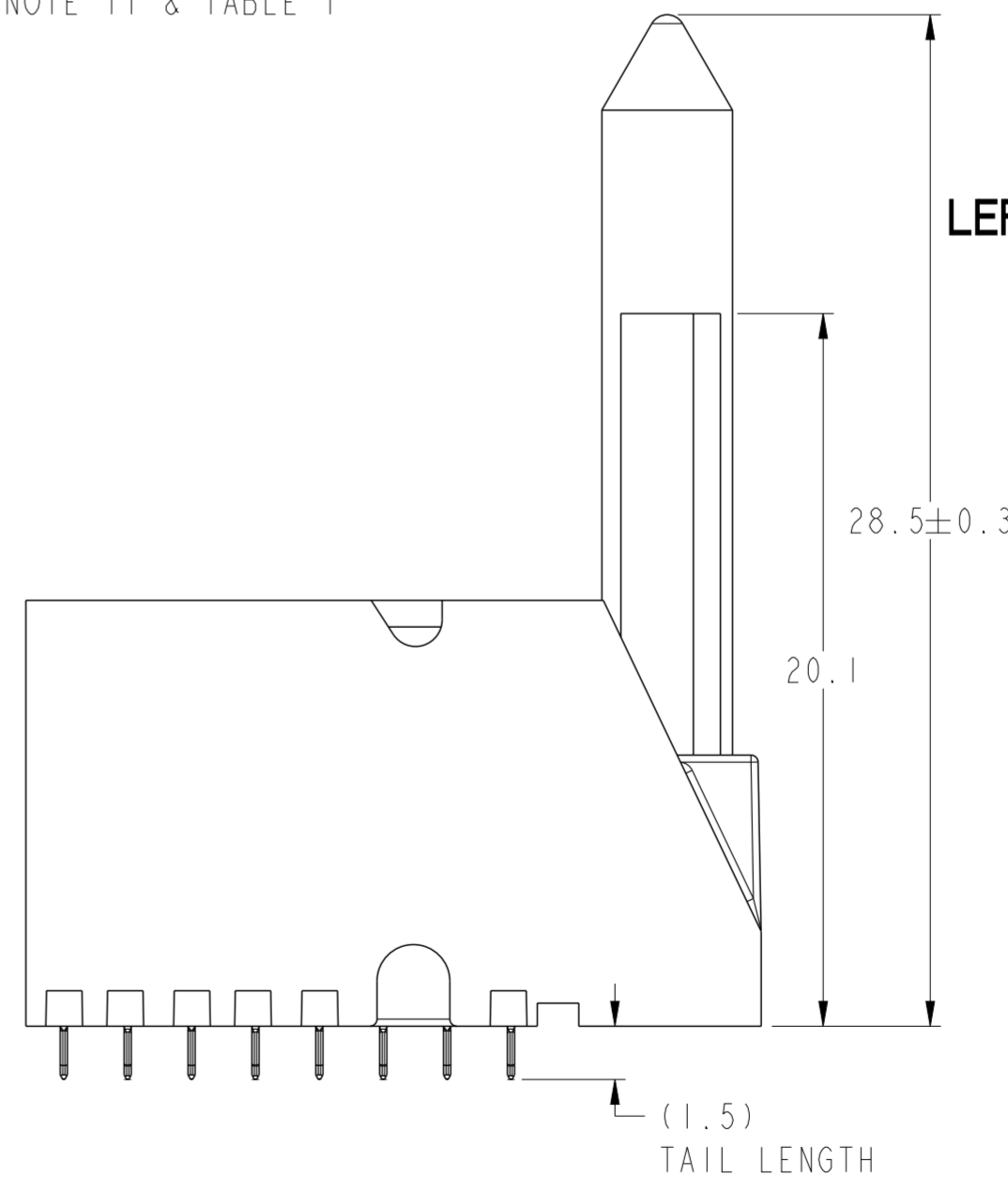
SEE NOTE 11 & TABLE 1

SEE DETAIL A ON SHEET 8 FOR PINOUT DETAILS

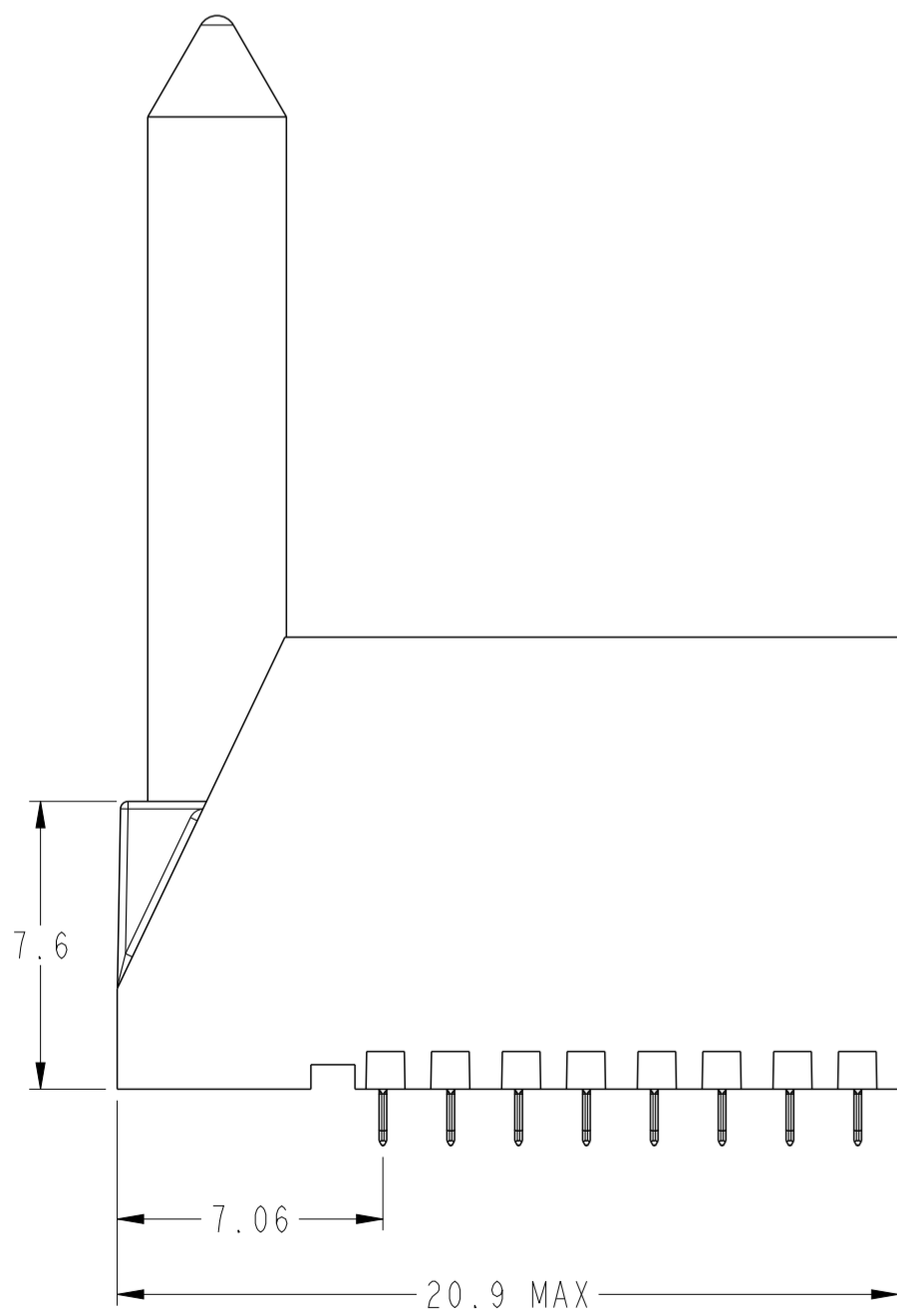
($\varnothing 3.68$)



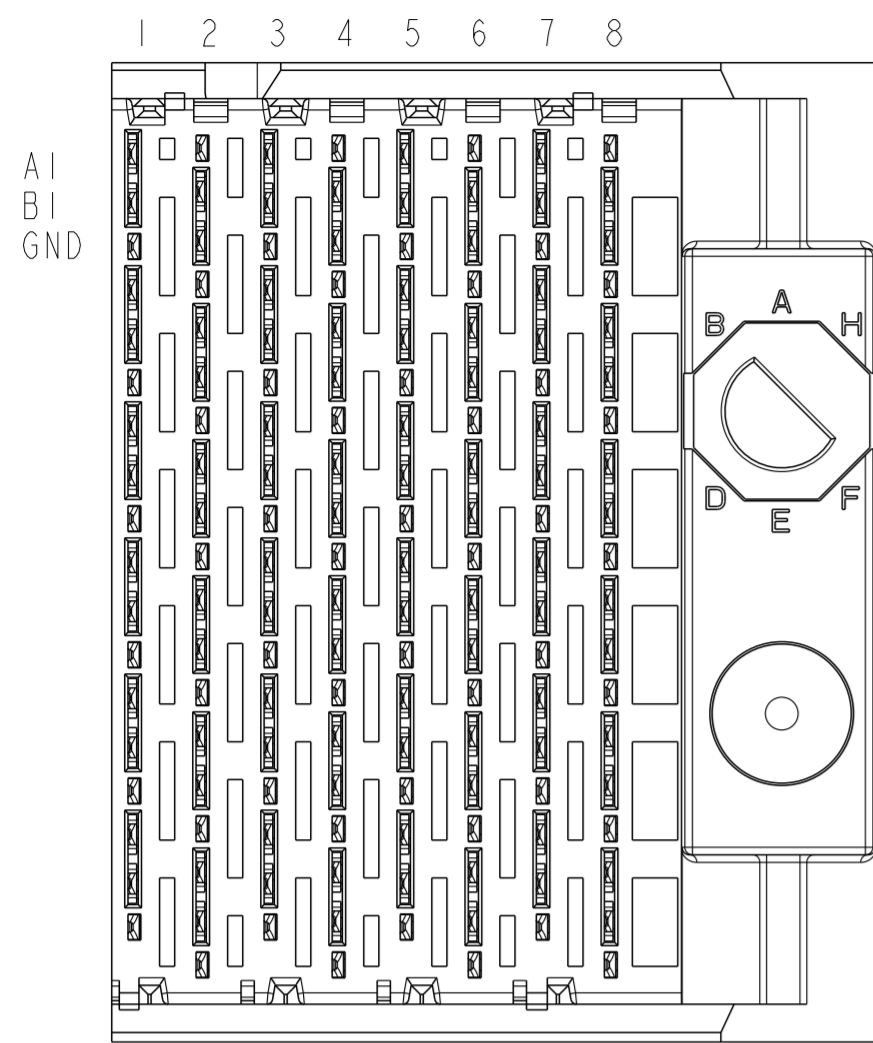
(5.2) FOR 3MM WIPE SIGNAL $\triangle C$
 (4.2) FOR 2MM WIPE SIGNAL $\triangle C$



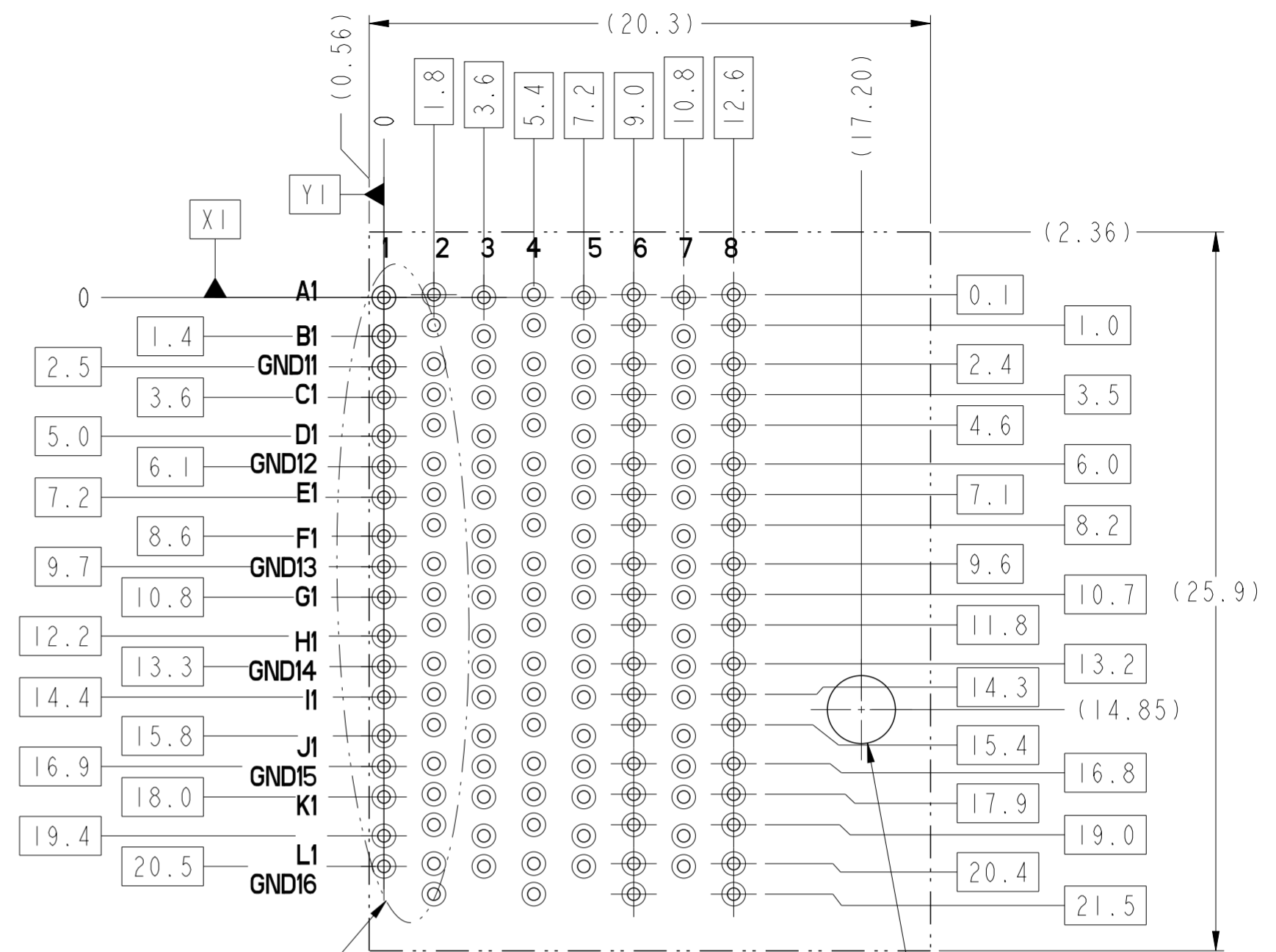
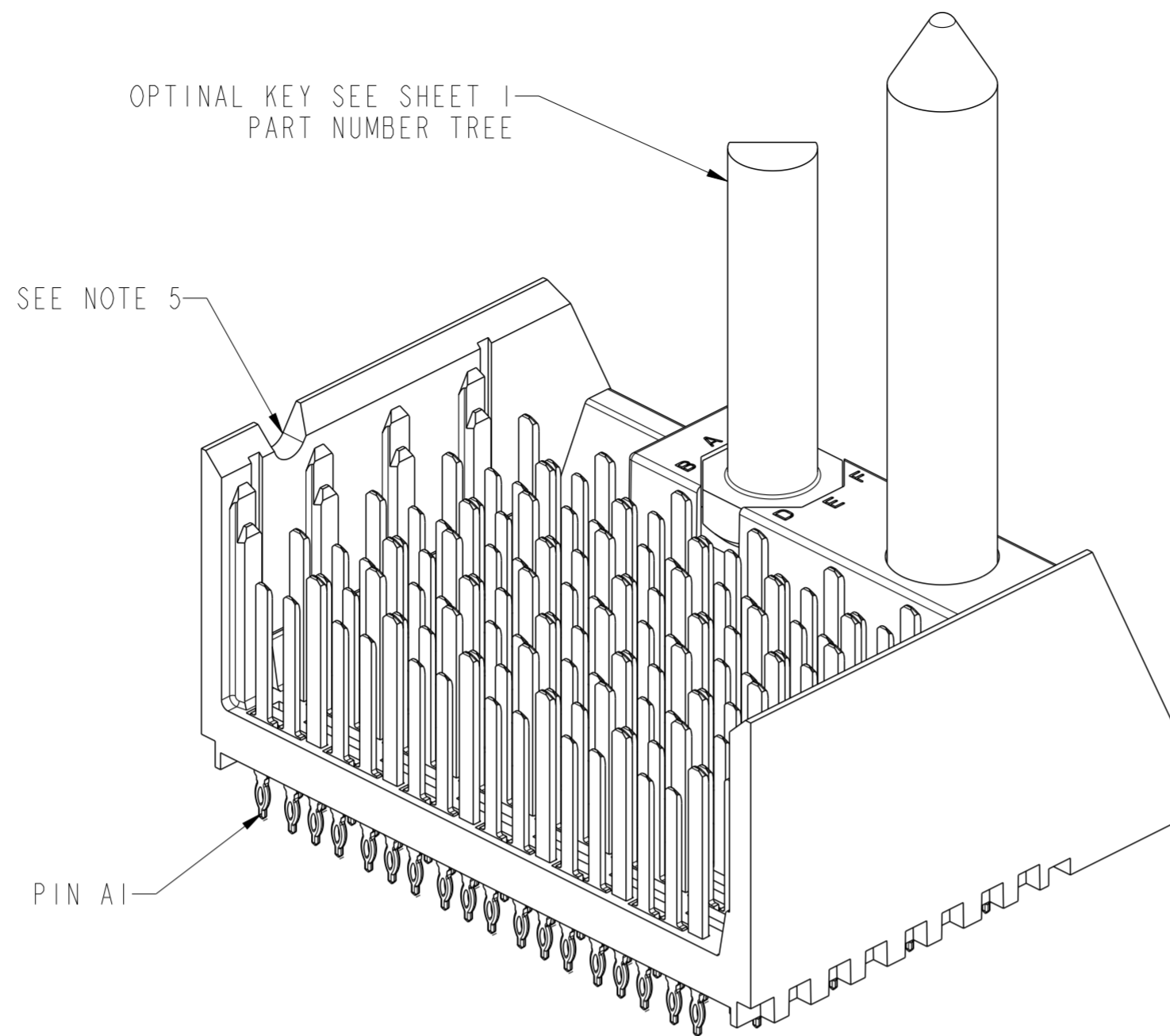
BP HOLE PATTERN COMPONENT SIDE
 LEFT POLARIZING GUIDE MODULE
 BACKPLANE FOOTPRINT



spec ref	-	dr	Yong-Keat Lim	2012/02/23	projection	MM	size	A2	scale	5:1
tolerance std	ASME Y14.5	eng	Sandar Soe	2016/03/08	chr	-	ecn no	ELX-S-17624-1	rel level	Released
surface	linear	appr	Chen-Hong Tan	2016/03/17	product family	XCEDE HD	rel level	Released	cat. no.	10120132
ASME Y14.5	angular	0°	±2°	0.X	±0.3	0.XX	±0.10	0.XXX	±0.05	www.fci.com



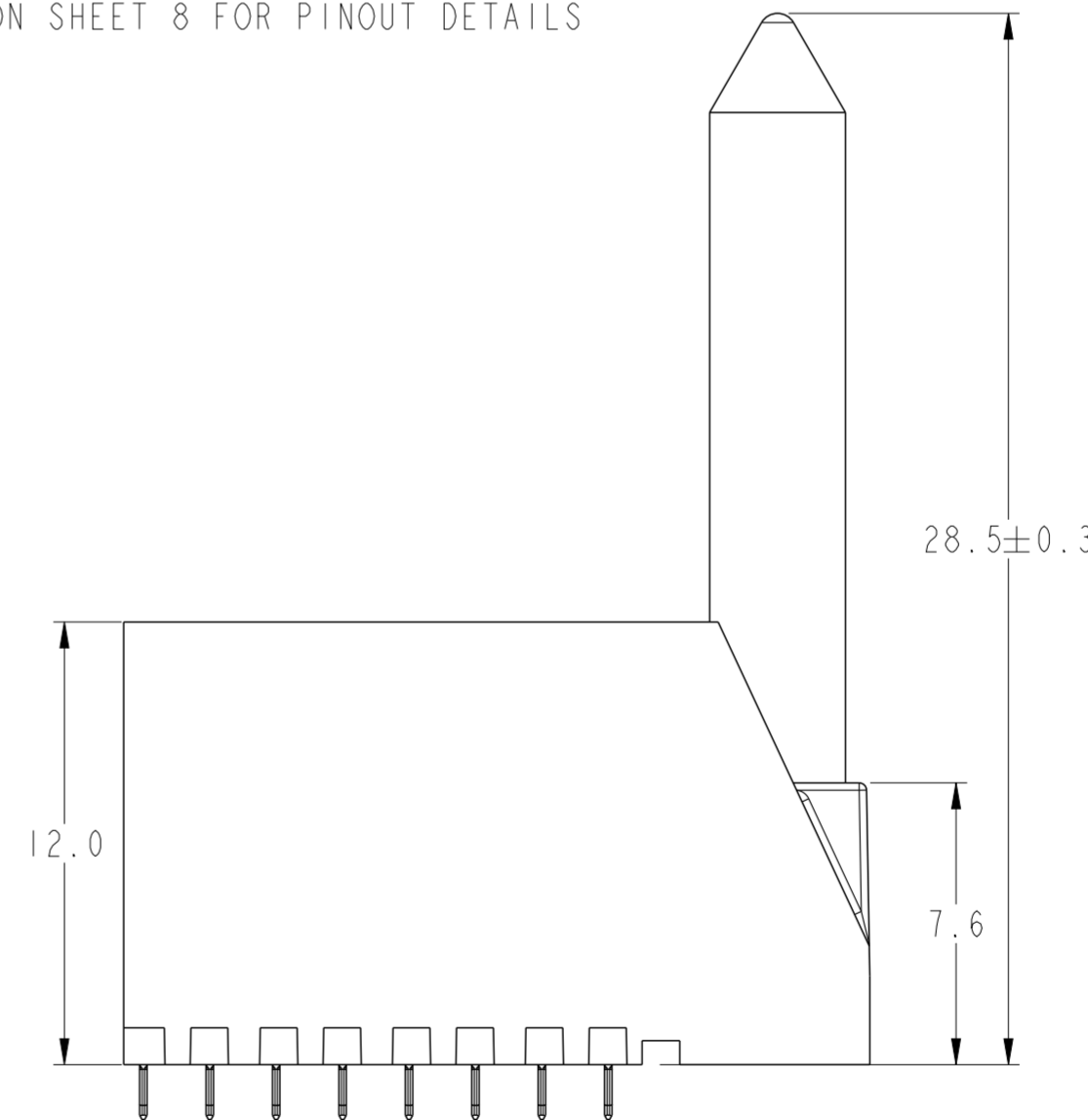
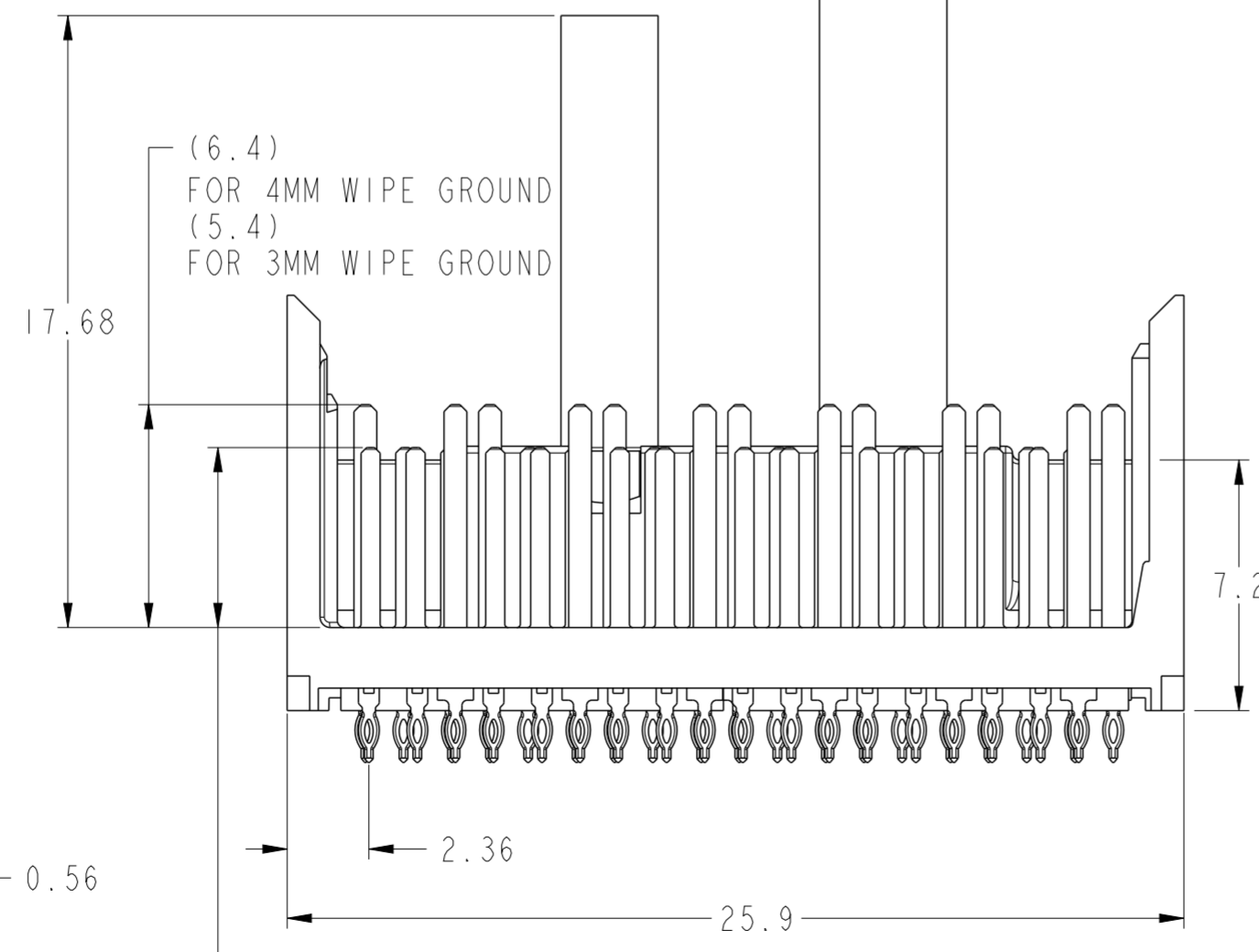
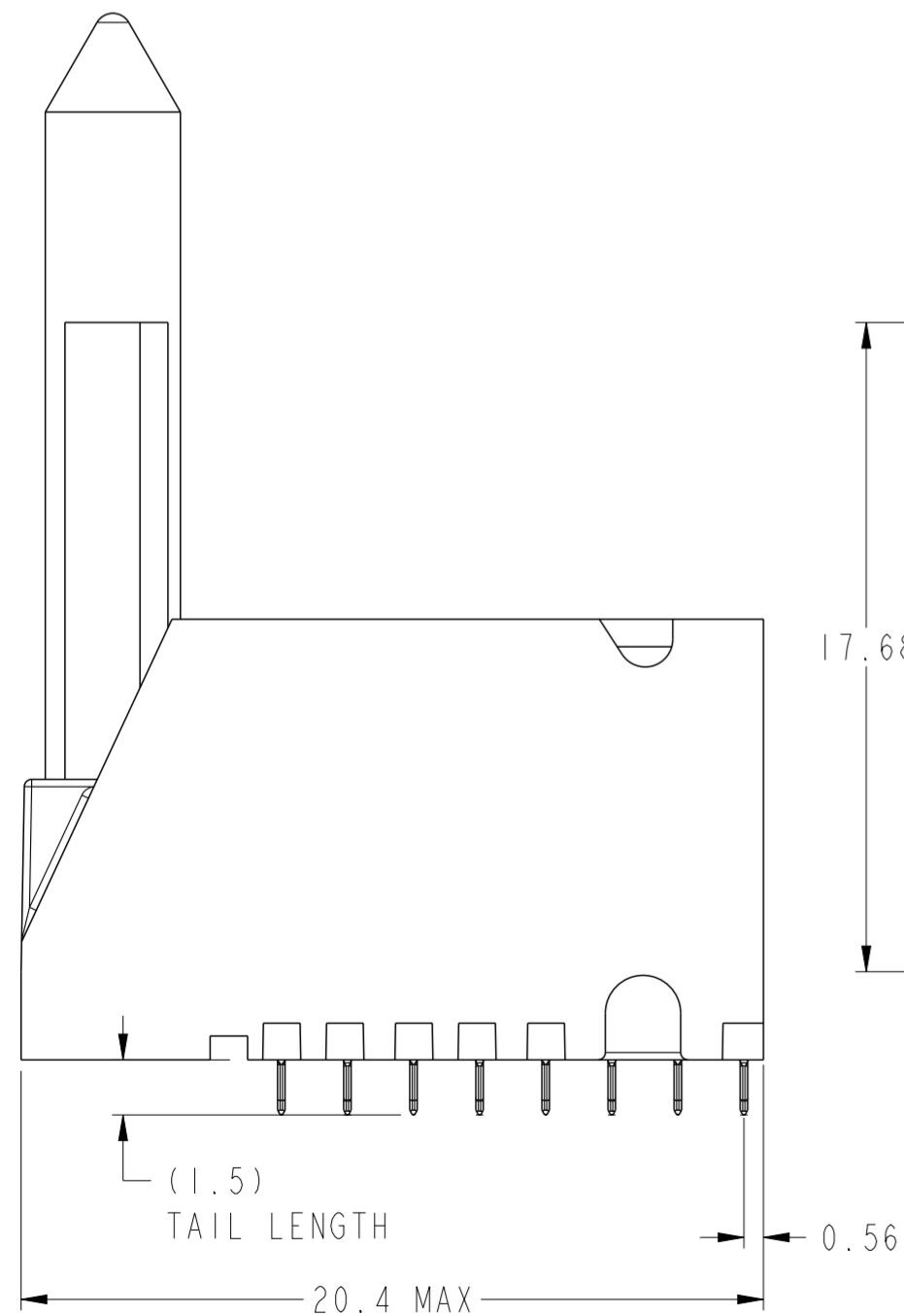
RIGHT POLARIZING GUIDE MODULE



SEE DETAIL A ON SHEET 8 FOR PINOUT DETAILS

SEE NOTE 11 & TABLE I

BP HOLE PATTERN COMPONENT SIDE
RIGHT POLARIZING GUIDE MODULE
BACKPLANE FOOTPRINT



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

spec ref	-	dr	Yong-Keat Lim	2012/02/23	projection	MM	size	A2	scale	5:1
tolerance std	ASME Y14.5	eng	Sander Soe	2016/03/08	chr	-	ecn no	ELX-S-17624-1	rel level	Released
surface	linear	appr	Chen-Hong Tan	2016/03/17	product family	XCEDE HD	rel level	Released	cat. no.	10120132
ASME Y14.5	angular	0°	±2°	0.X	±0.3	0.XX	±0.10	0.XXX	±0.05	www.fci.com

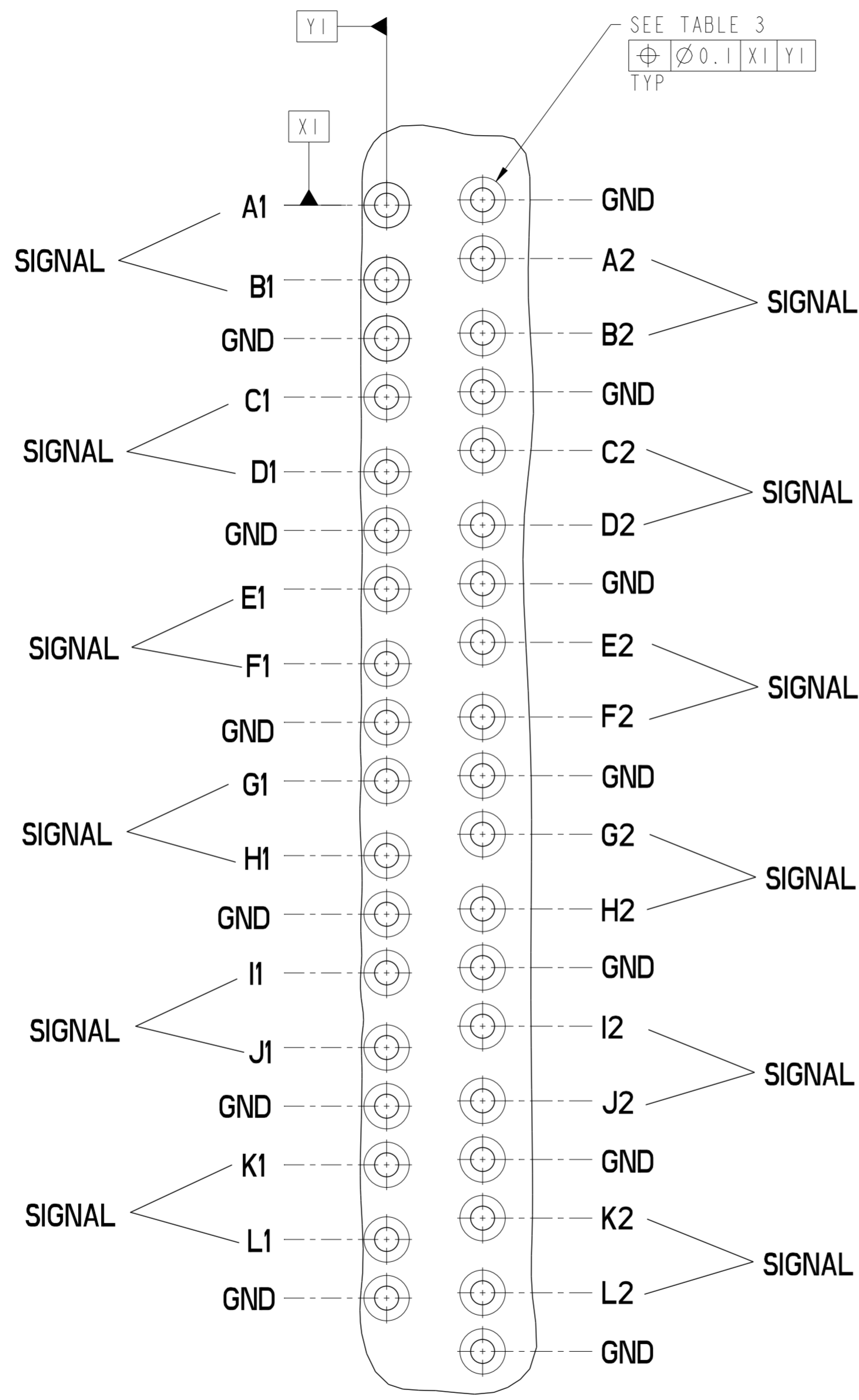


TABLE 3		
	COMPLIANT PIN DRILL $\varnothing 0.55[0.0217"]$	COMPLIANT PIN DRILL $\varnothing 0.45[0.0117"]$
PTH	$\varnothing 0.45 \pm 0.05$	$\varnothing 0.36 \pm 0.05$
DRILL	$\varnothing 0.55[0.0217"]$	$\varnothing 0.45[0.0117"]$
PAD	$\varnothing 0.85$	$\varnothing 0.75$

NOTES:

1. CONNECTOR MATERIALS
SHROUD : HIGH-TEMP POLYMER, COLOR : BLACK, UL94V-0
CONTACTS : HIGH PERFORMANCE COPPER ALLOY
2. PRODUCT SPECIFICATION : GS-12-0936
3. APPLICATION SPECIFICATION : GS-20-0348
4. PRODUCT MARKING :
PART NUMBER (10120132-X0E-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 Δ 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.

Amphenol FCI

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DETAIL A
SCALE 12:1
PINOUT DETAILS

spec ref	-	dr	Yong-Keat Lim	2012/02/23	projection	MM	size	A2	scale	3:1
tolerance std	ASME Y14.5	eng	Sander Soe	2016/03/08			ecn no	ELX-S-17624-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr			Chen-Hong Tan	2016/03/17		product family
surface	ASME Y14.5	linear	0.X	± 0.3	Amphenol FCI		part no	10120132	rev	C
		angular	0°	$\pm 2^\circ$	www.fci.com		cat. no.	-	Product - Customer Drw	sheet 8 of 8