

Amphenol
FCi

© 2016 AFCi

10120130 - X0J - XXXLF

4-COLUMN
DIFFERENTIAL
SIGNAL

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

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 10120130-XXXX, WHERE: "X" DENOTES MODULE TYPE PER CHART ON THIS SHEET
"XXXX" 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"

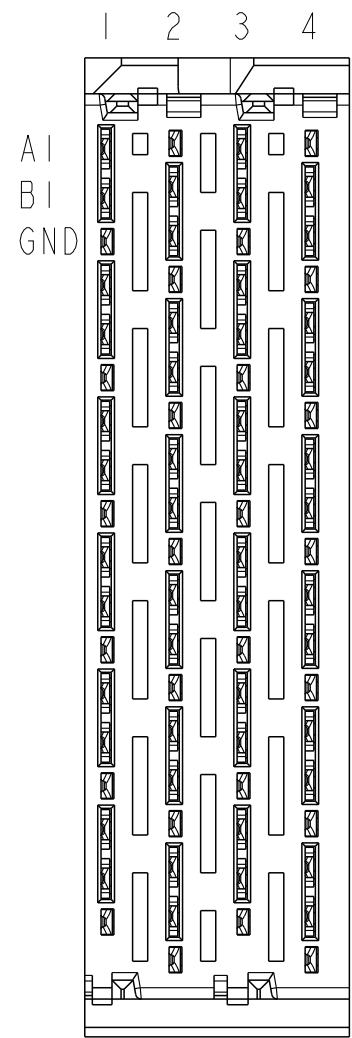
TABLE 2 (SEE NOTE 12)		
SCREW P/N	DESCRIPTION	BOARD THICKNESS
10091790-002LF	#2-56 X 0.375" LG. PHILIPS PANHEAD W/SQ CONICAL WASHER	1.60-5.00mm
10091790-003LF	#2-56 X 0.375" LG. PHILIPS PANHEAD W/SQ CONICAL WASHER	5.00-10.00mm

spec ref		-		dr	Yong-Keat Lim	2012/02/22	projection		MM		size	scale	
tolerance std		-		eng	Sandar Soe	2016/03/07					A2	2:1	
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-					ecn no	ELX-S-17624-1	
				appr	Chen-Hong Tan	2016/03/17	product family		XCEDE HD		rel level	Released	
surface		linear	0.X	±0.3	Amphenol FCI	title	VERTICAL HEADER ASSEMBLY XCEDE HD 6 PAIR, 4 COLUMN			dwg no	10120130		rev
			0.XX	±0.10									
			0.XXX	±0.05									
ASME Y14.5		angular	0°	±2°	www.fci.com	cat. no.	-		Product - Customer Drw		sheet 1 of 8		

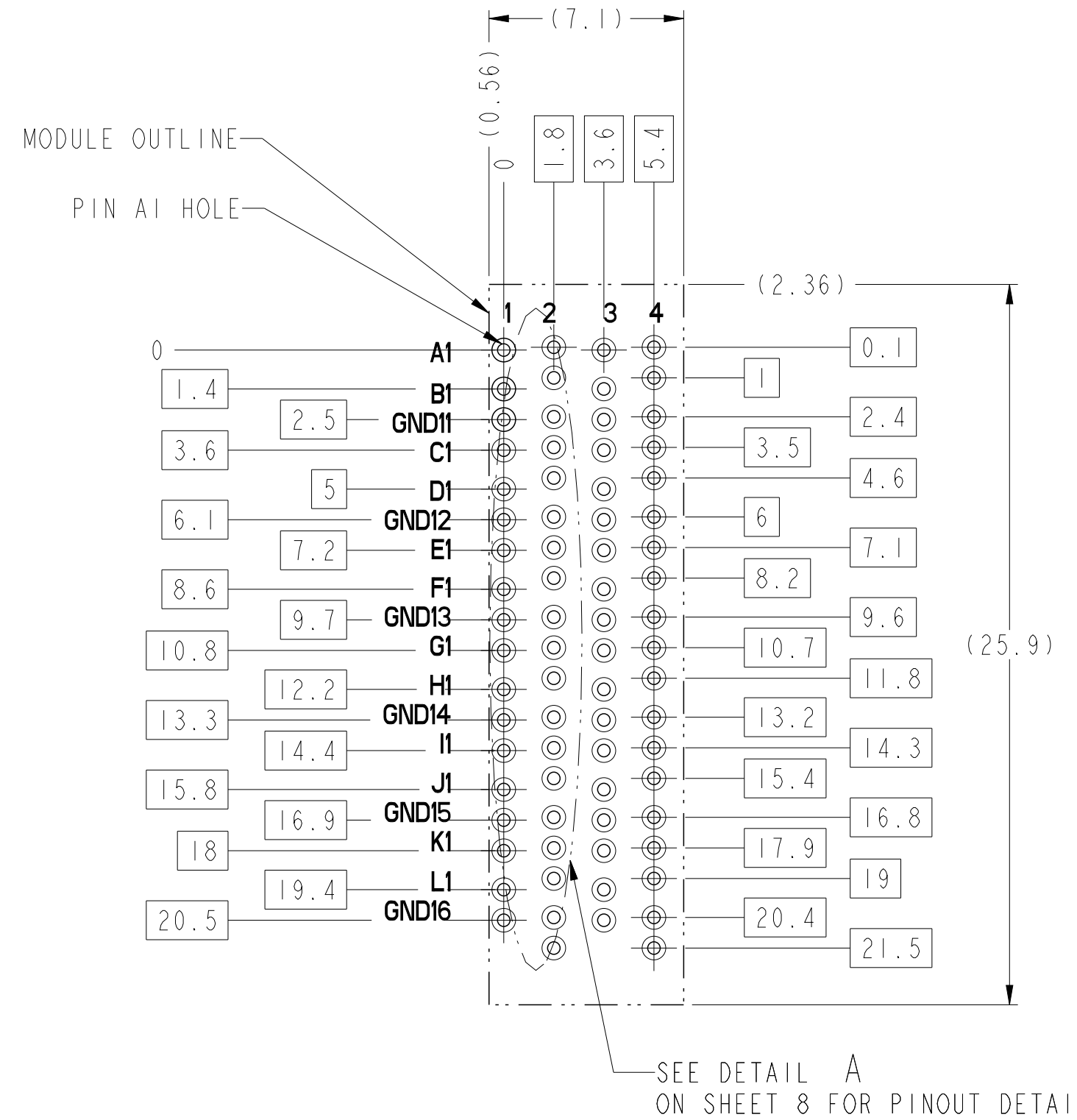
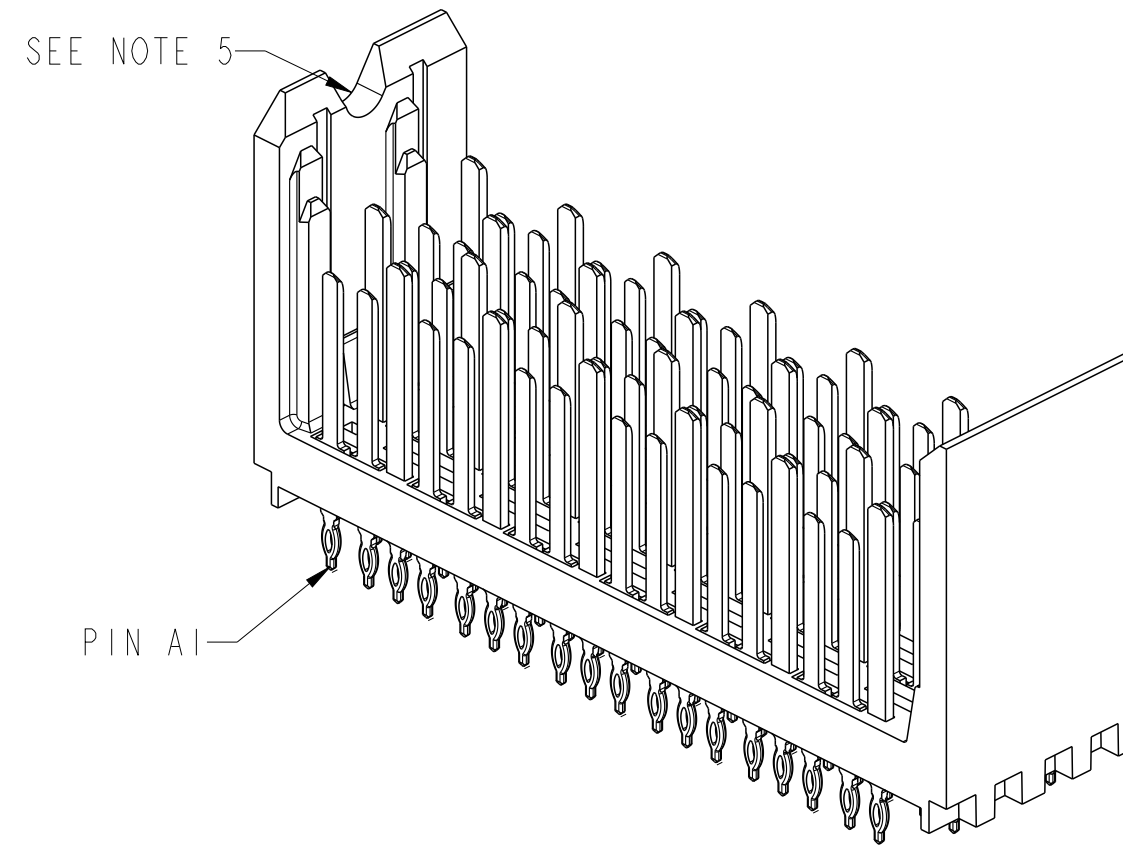
PDS: Rev :C

STATUS:Released

Printed: Mar 17, 2016

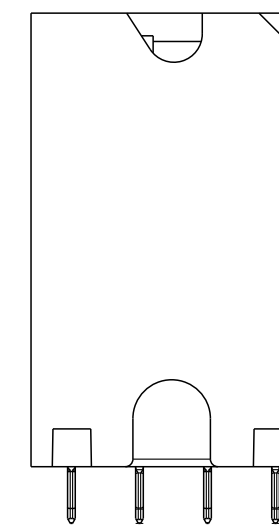
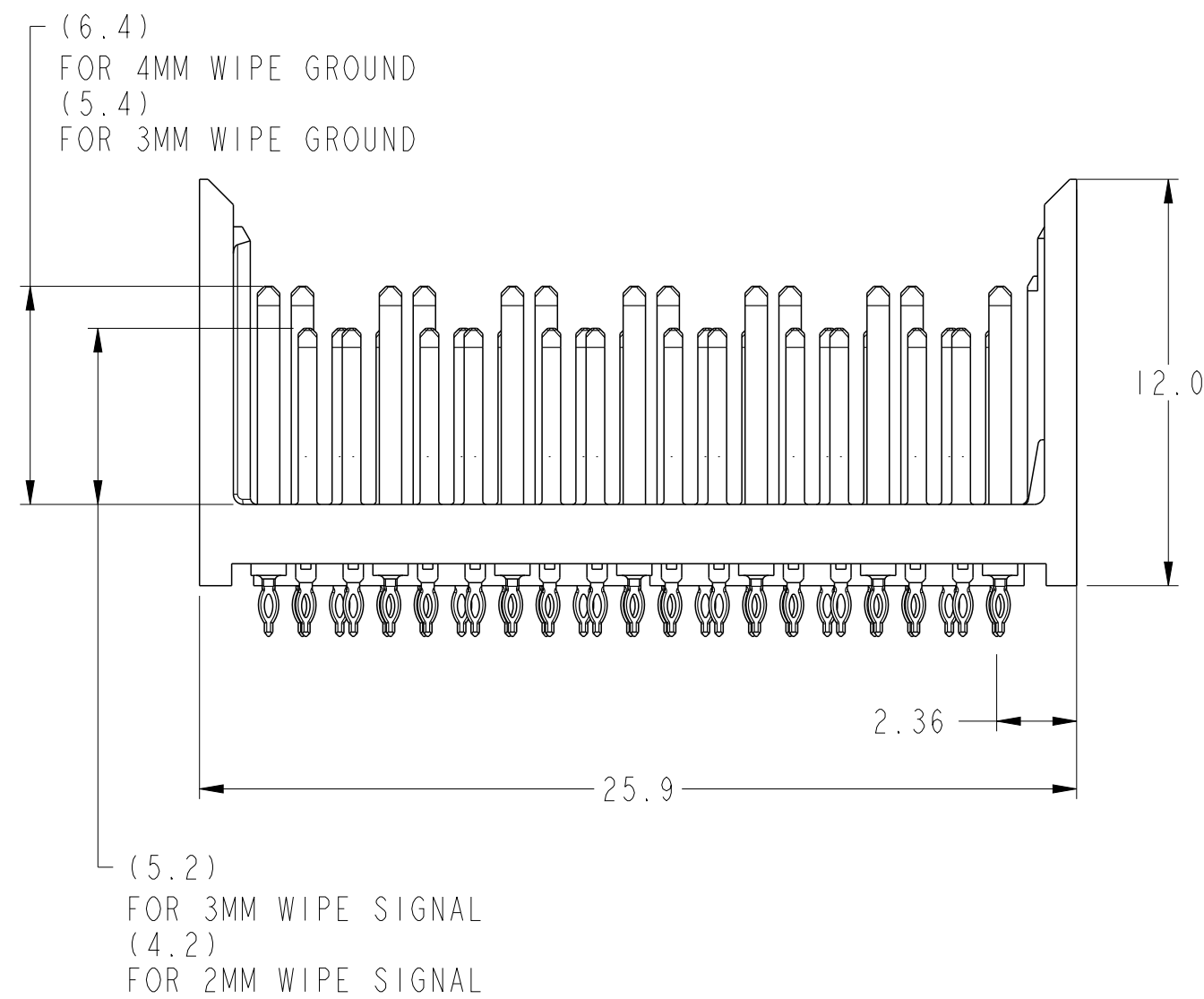
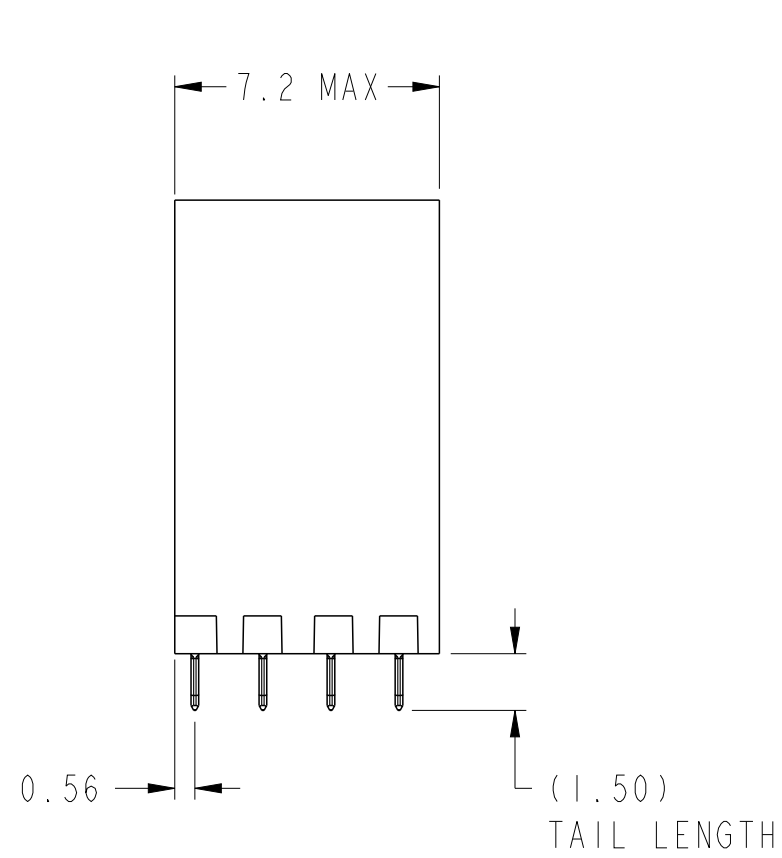


OPEN WALL MODULE

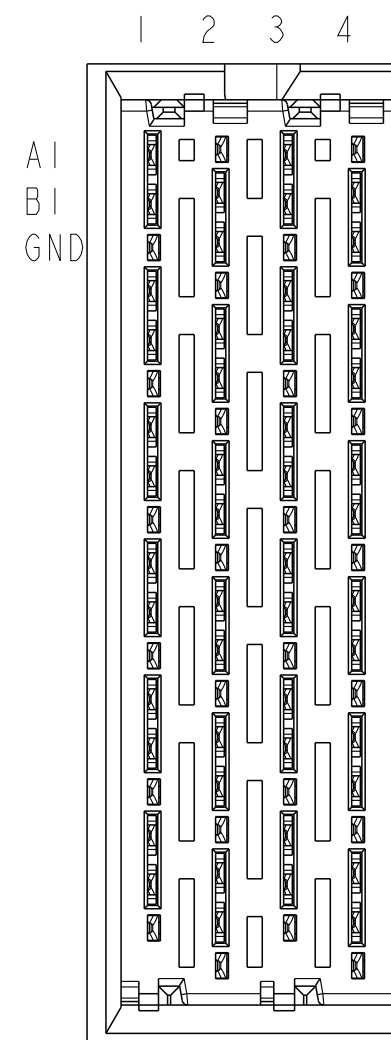


BP HOLE PATTERN COMPONENT SIDE

OPEN WALL MODULE BACKPLANE FOOTPRINT



spec ref		-		dr		Yong-Keat Lim		2012/02/22		projection				MM		size		A2		scale		5:1	
tolerance std		-		eng		Sandar Soe		2016/03/07				ecn no		ELX-S-17624-1		rel level		Released					
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		-															
				appr		Chen-Hong Tan		2016/03/17												product family		XCEDE HD	
surface				linear		0.X		±0.3				title		VERTICAL HEADER ASSEMBLY		dwg no		10120130		rev		C	
				0.XX		±0.10																	
ASME Y14.5				0.XXX		±0.05																	
		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 2 of 8							



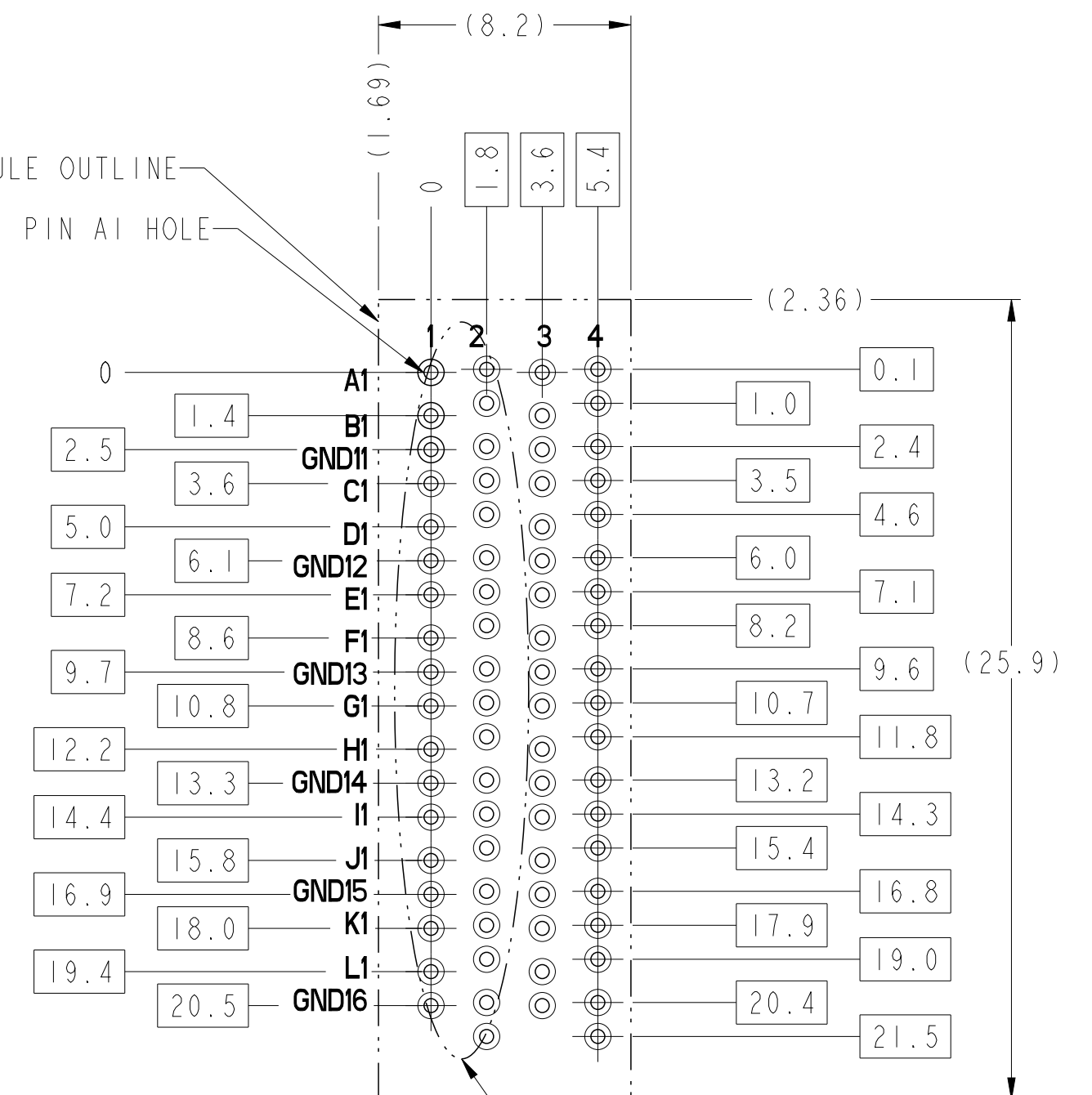
LEFT WALL MODULE

SEE NOTE 5

PIN A1

MODULE OUTLINE

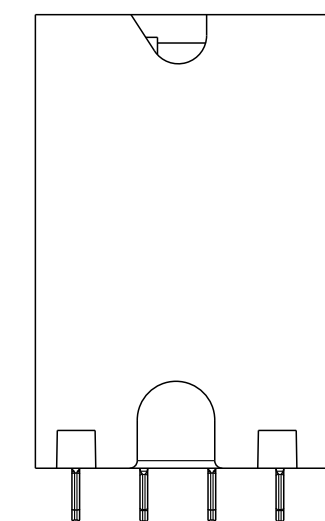
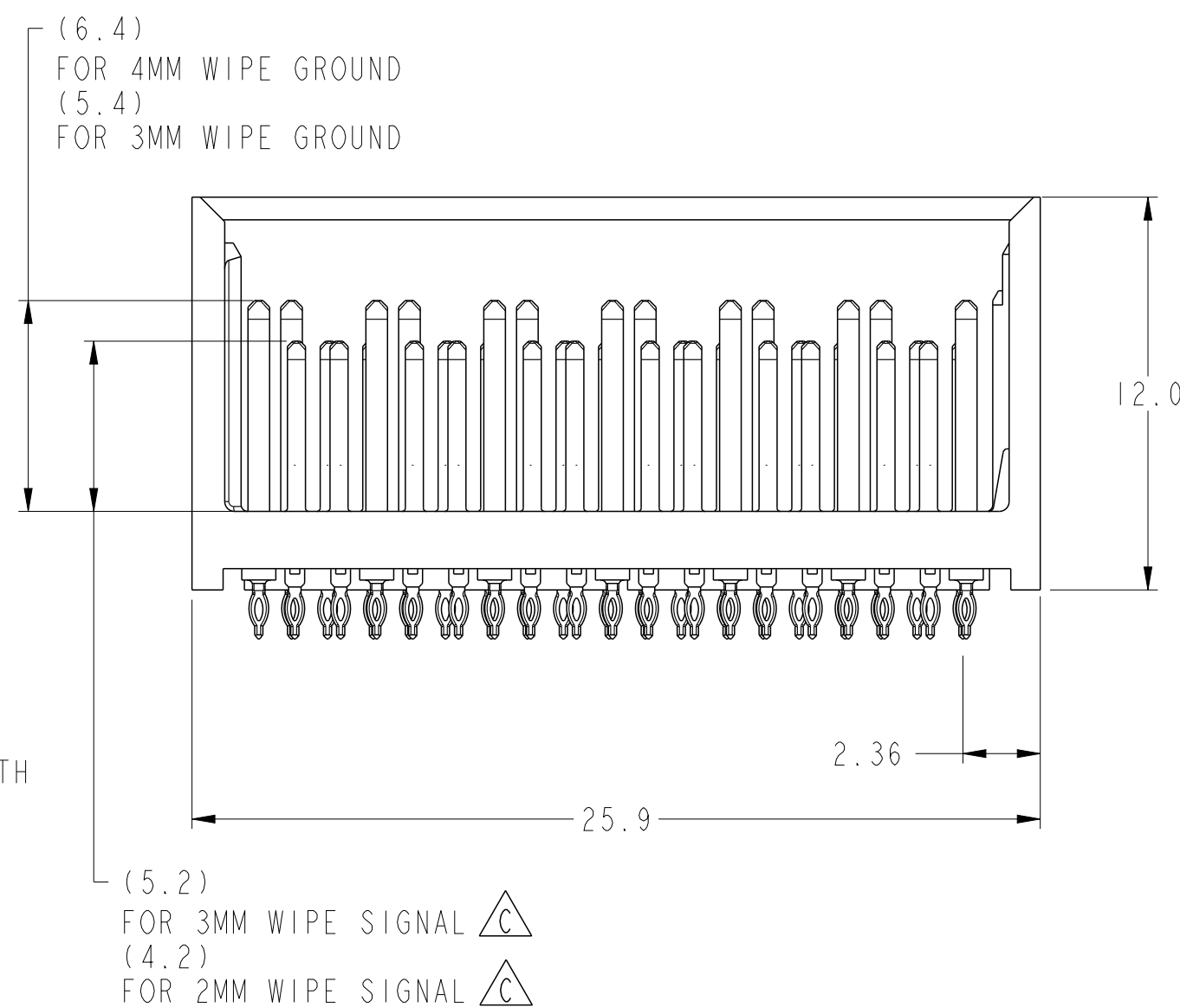
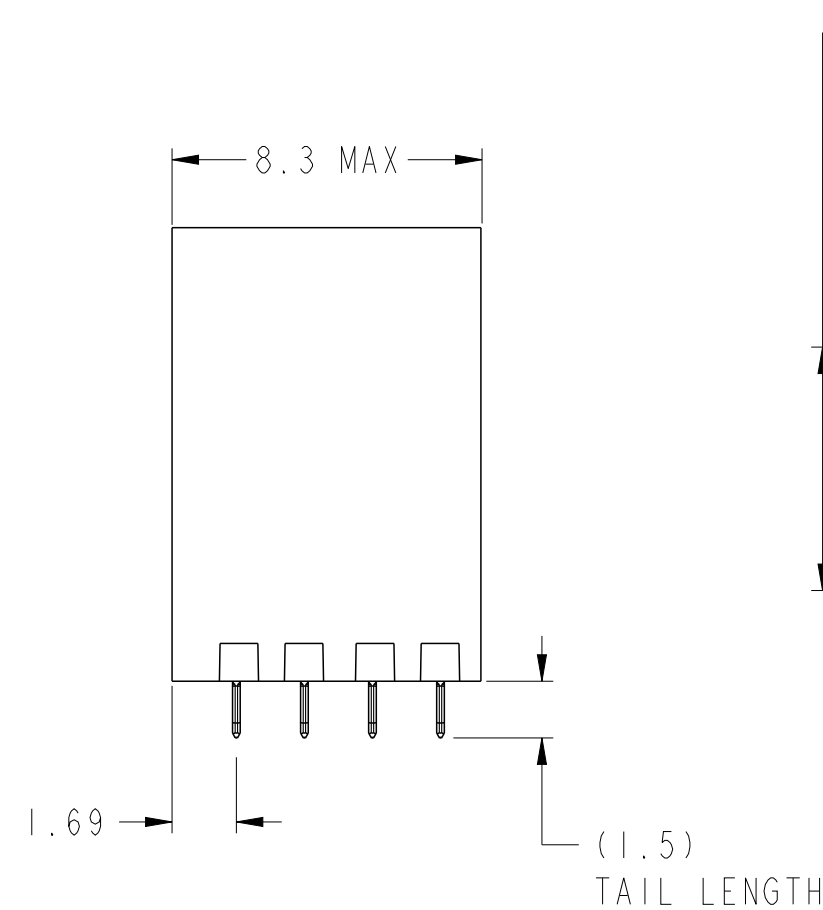
PIN A1 HOLE



SEE DETAIL A
ON SHEET 8 FOR PINOUT DETAILS

BP HOLE PATTERN COMPONENT SIDE

LEFT WALL MODULE BACKPLANE FOOTPRINT

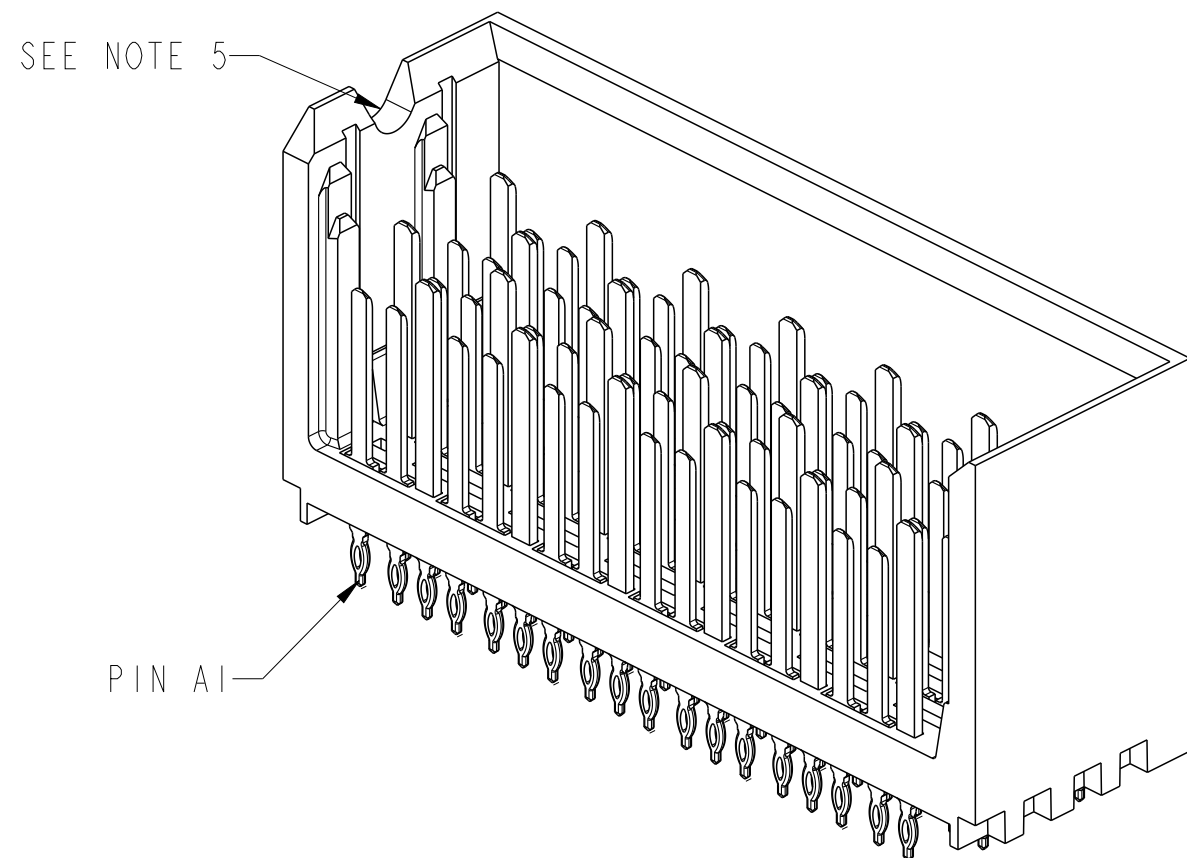
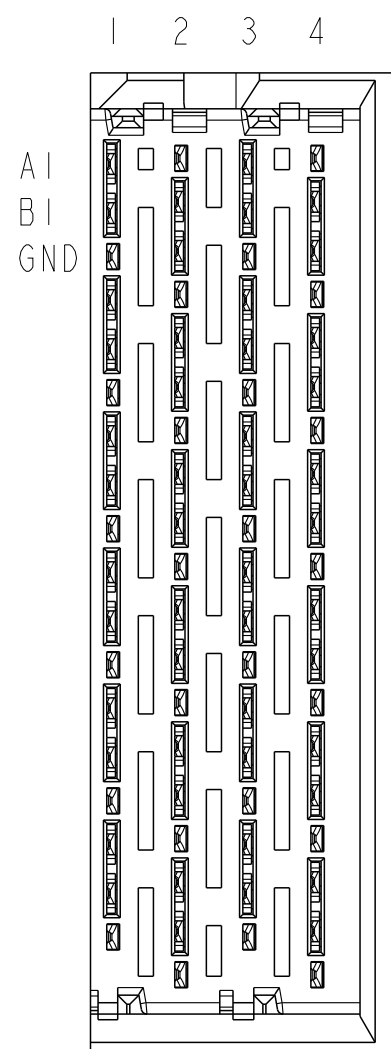


spec ref	-	dr	Yong-Keat Lim	2012/02/22	projection	MM	size	A2	scale	5:1
tolerance std	-	eng	Sandar Soe	2016/03/07	chr	-	ecn no	ELX-S-17624-1	rel level	Released
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	appr	Chen-Hong Tan	2016/03/17	product family	XCEDE HD	rel level	Released	rev	C
surface	linear	angular	0°	±2°	Amphenol FCI	VERTICAL HEADER ASSEMBLY	cat. no.	10120130	Product - Customer Drw	sheet 3 of 8
ASME Y14.5	0.X ±0.3	0.XX ±0.10	0.XXX ±0.05	www.fci.com	XCED HD 6 PAIR, 4 COLUMN					

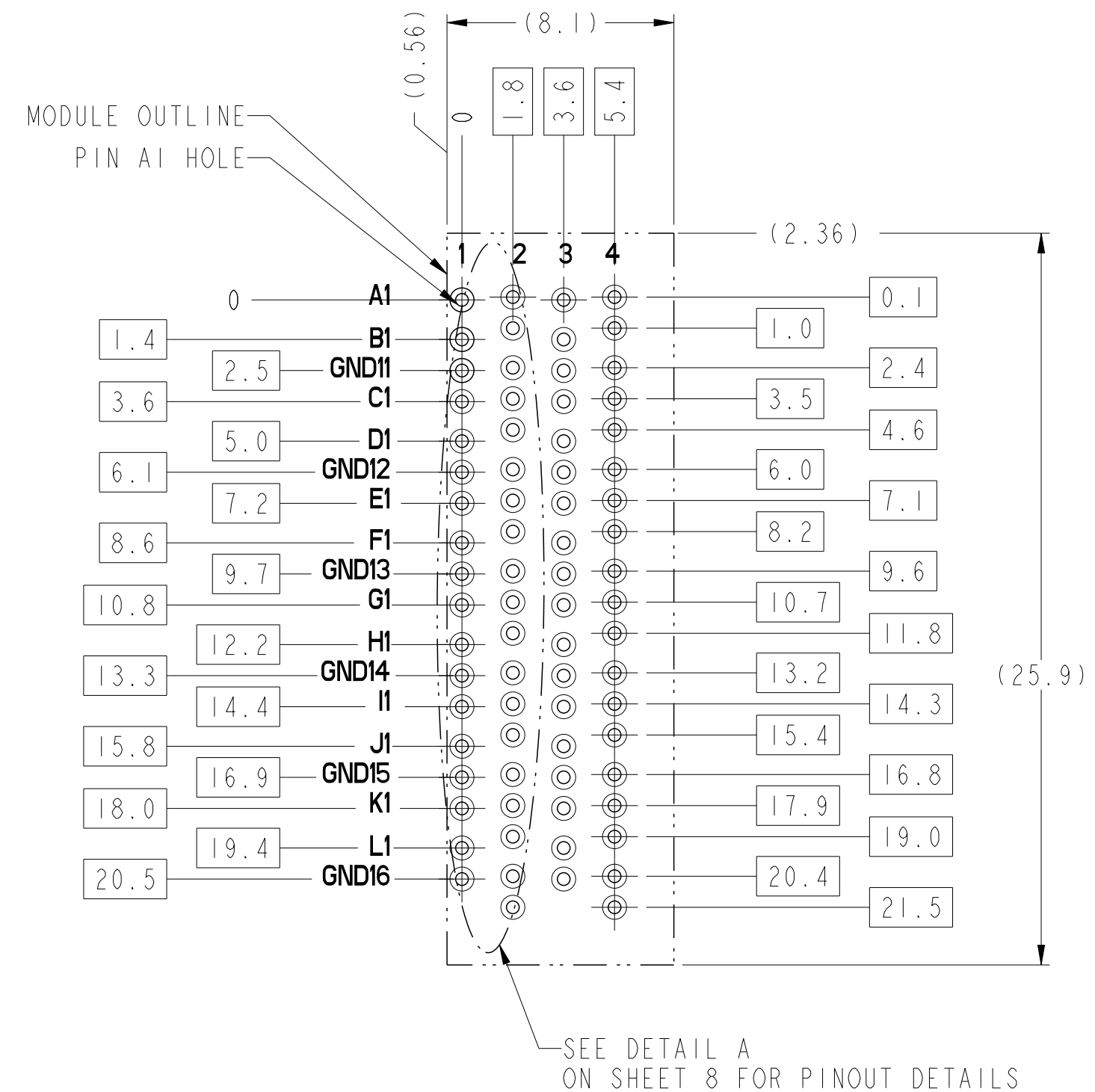
PDS: Rev :C

STATUS:Released

Printed: Mar 17, 2016

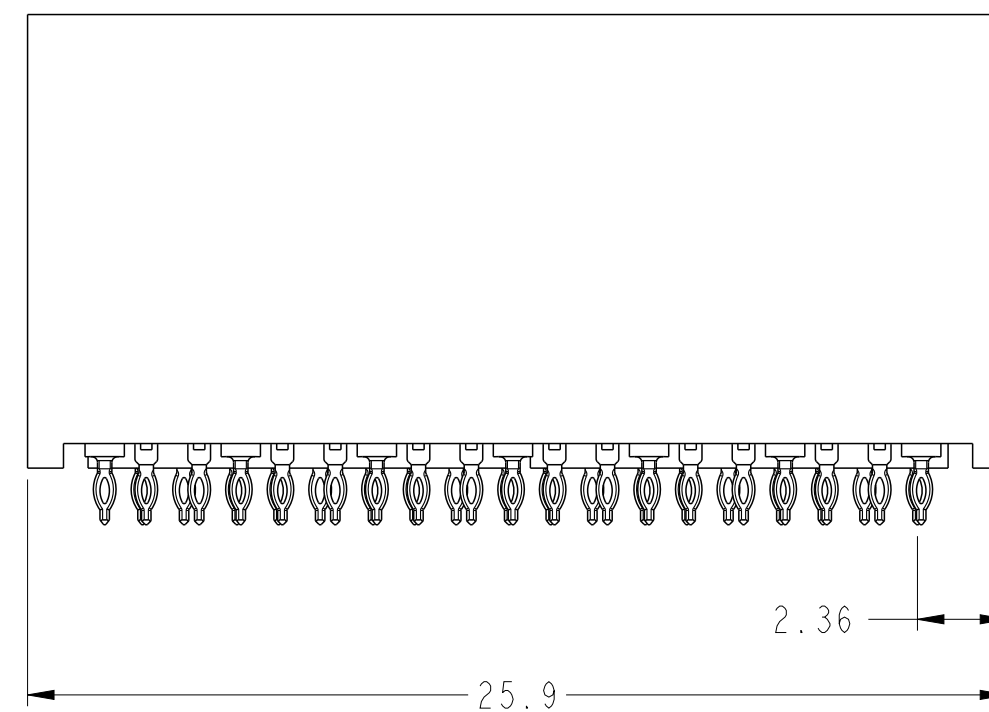
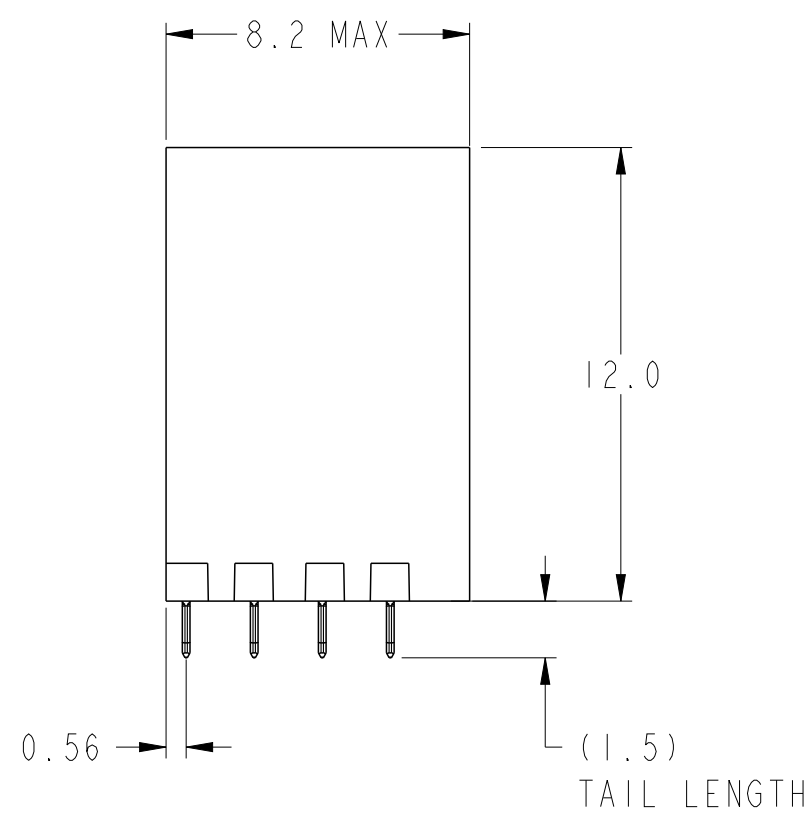
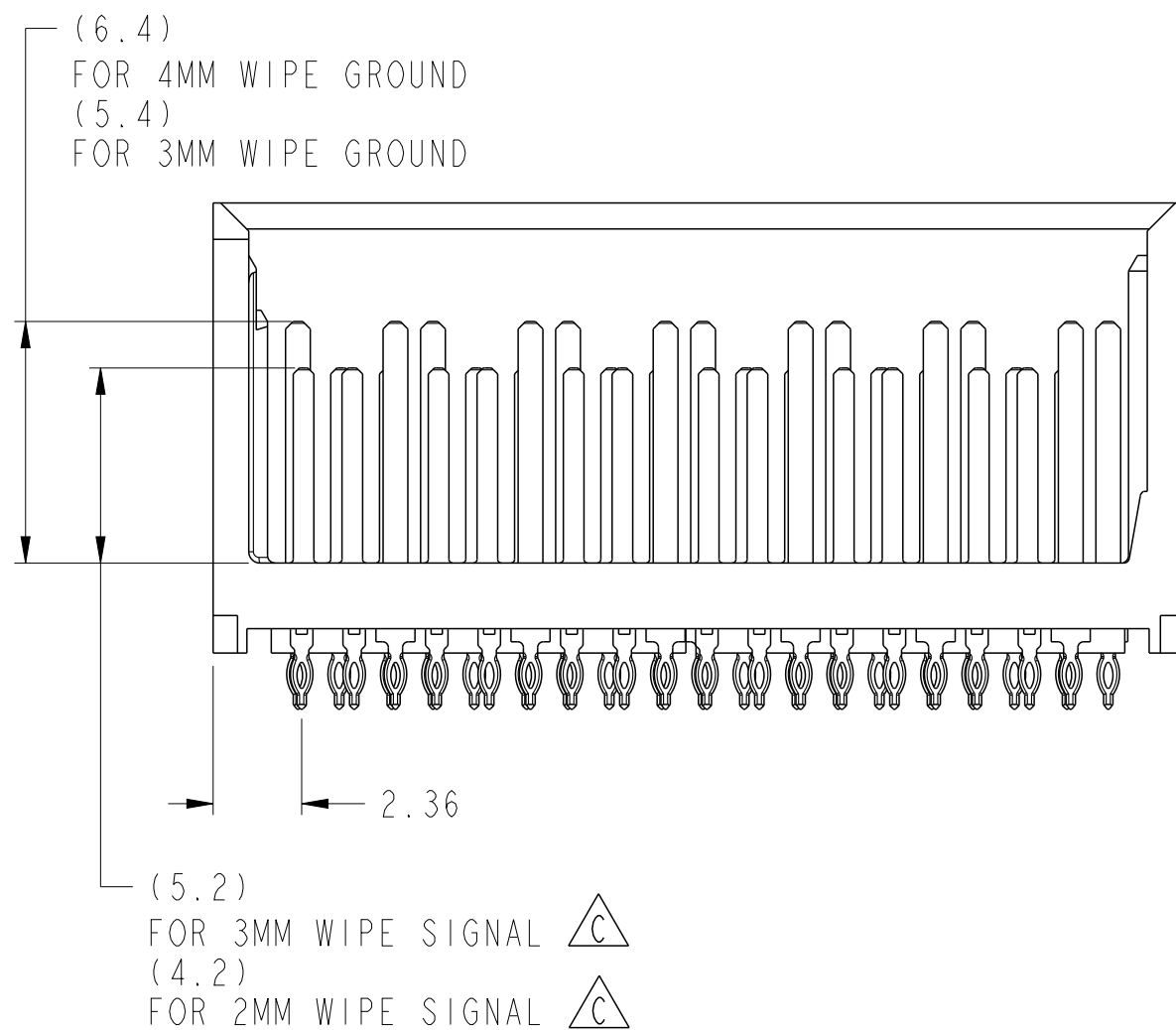


RIGHT WALL MODULE



BP HOLE PATTERN COMPONENT SIDE

RIGHT WALL MODULE BACKPLANE FOOTPRINT

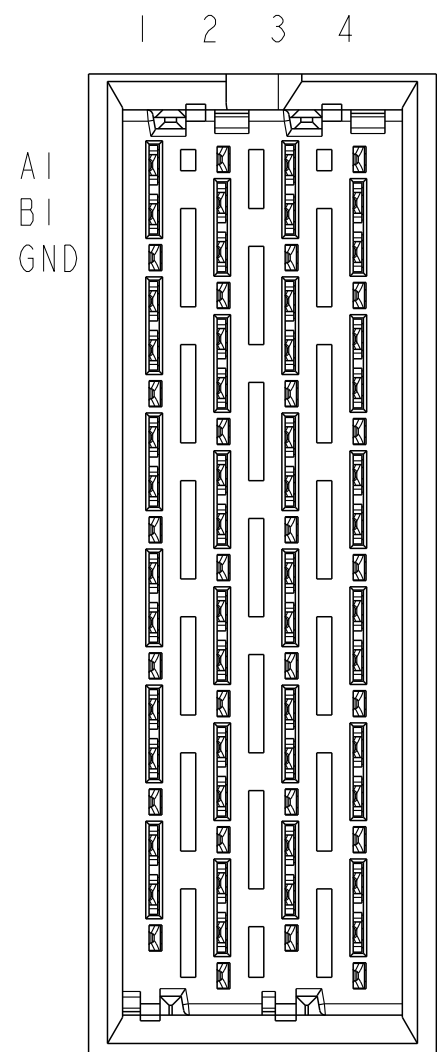


spec ref	-	dr	Yong-Keat Lim	2012/02/22	projection	MM	size	A2	scale	5:1
tolerance std	-	eng	Sandar Soe	2016/03/07		MM	ecn no	ELX-S-17624-1	rel level	Released
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	-						
surface	linear	appr	Chen-Hong Tan	2016/03/17						
ASME Y14.5	angular	0°	±0.3	±0.10	±0.05	±2°	product family	XCEDE HD	rel level	Released
		Amphenol FCI	VERTICAL HEADER ASSEMBLY		cat. no.	-	Product - Customer Drw	sheet 4 of 8		
		www.fci.com	XCEDE HD 6 PAIR, 4 COLUMN		dwg no	10120130	rev	C		

PDS: Rev :C

STATUS:Released

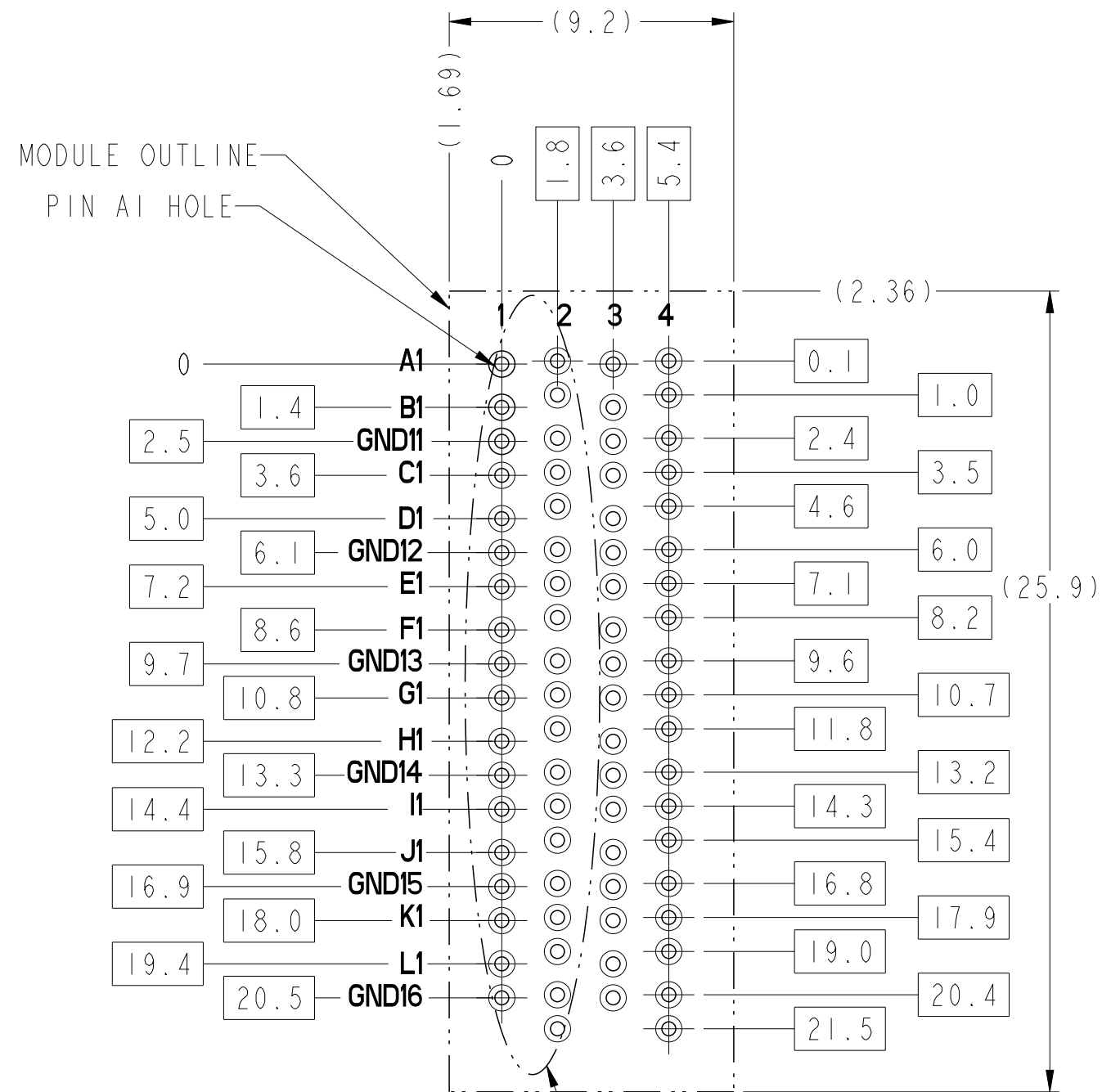
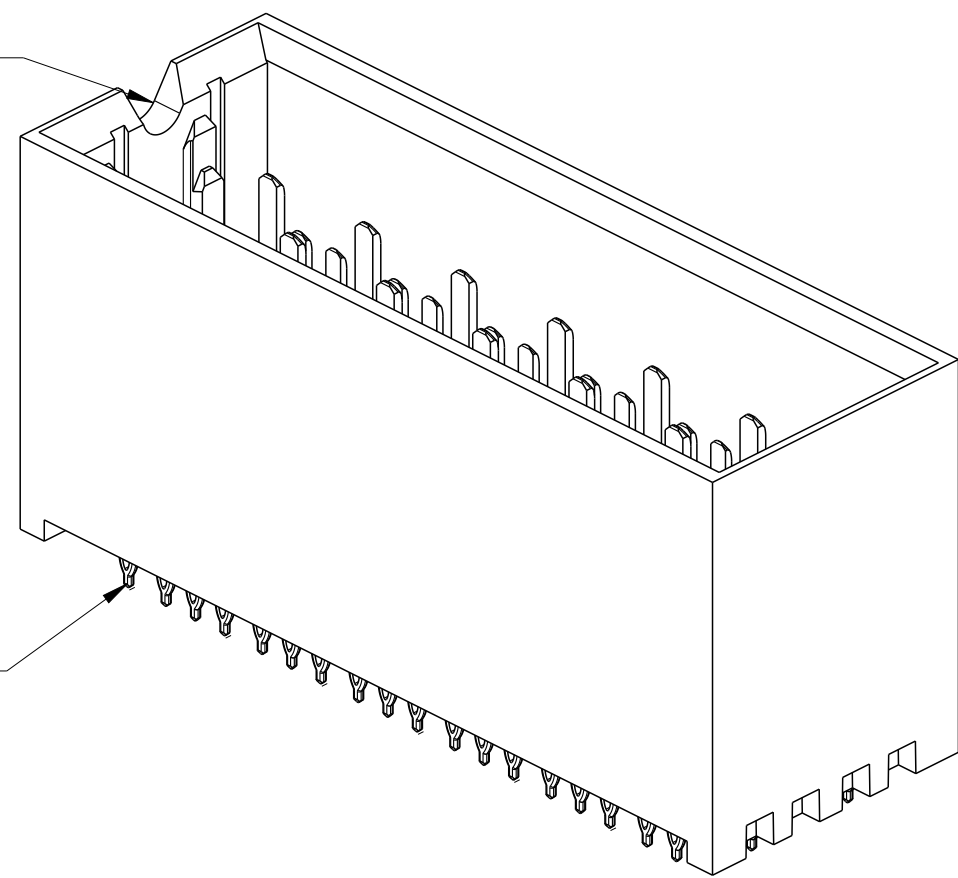
Printed: Mar 17, 2016



FOUR WALL MODULE

SEE NOTE 5

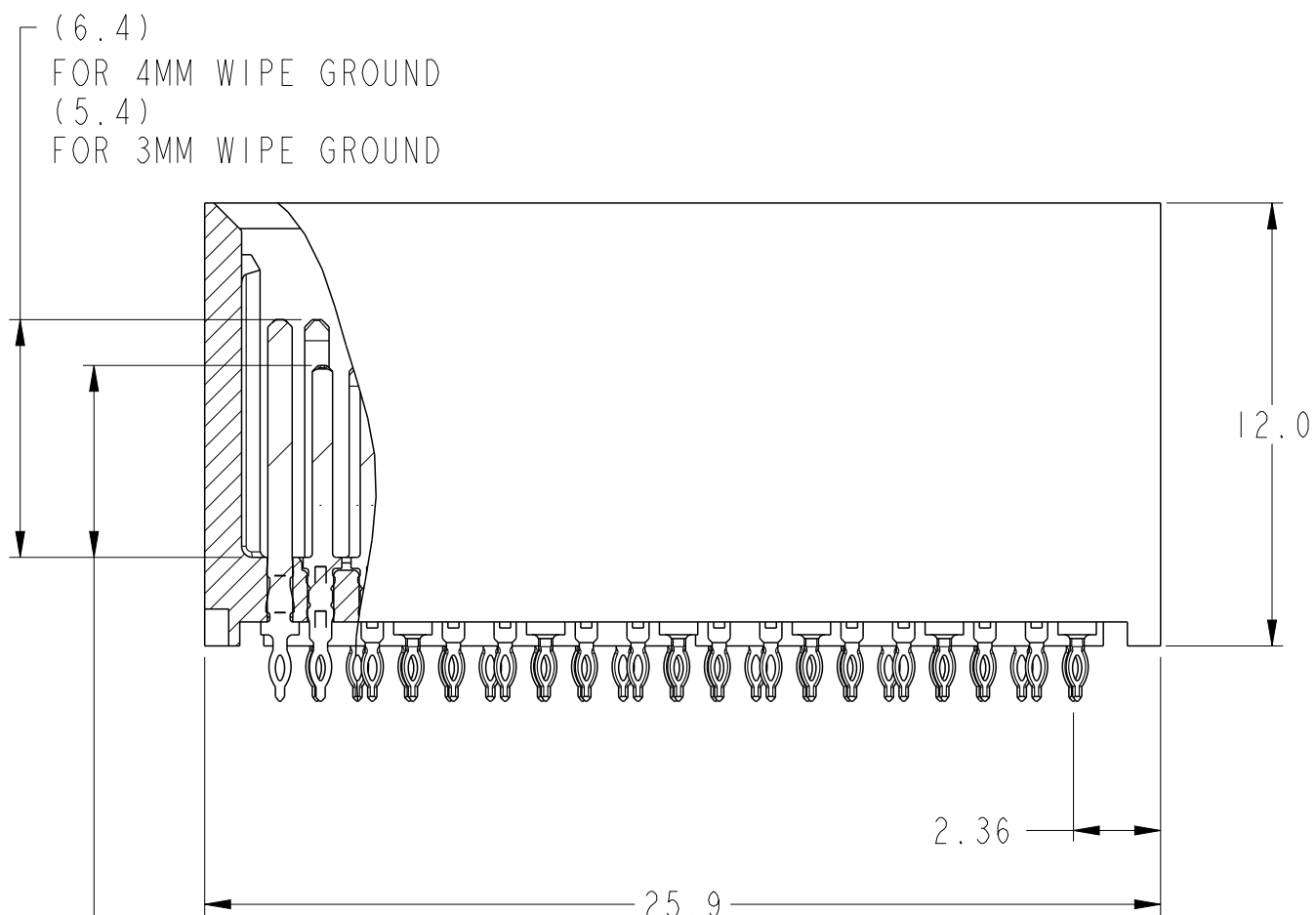
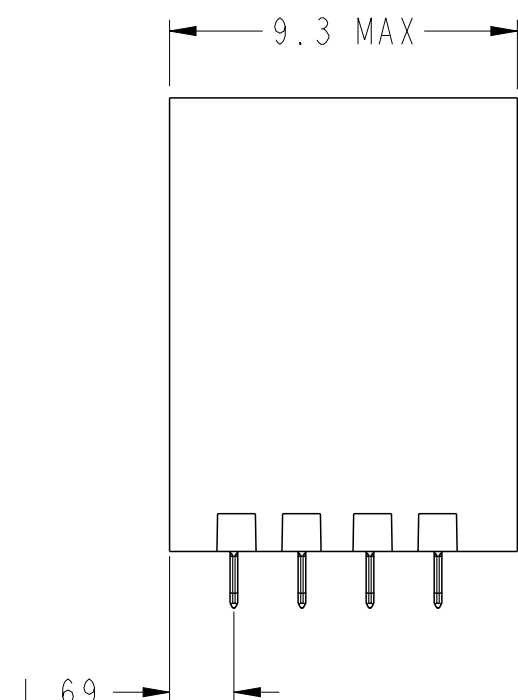
PIN A1



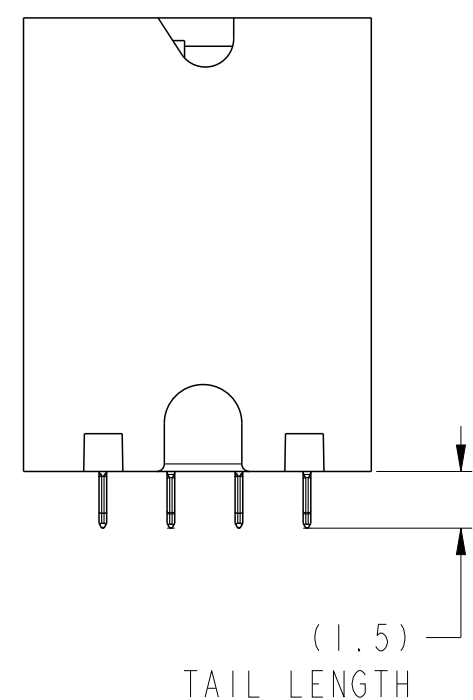
SEE DETAIL A
ON SHEET 8 FOR PINOUT DETAILS

BP HOLE PATTERN COMPONENT SIDE

FOUR WALL MODULE BACKPLANE FOOTPRINT



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



spec ref		-		dr		Yong-Keat Lim		2012/02/22		projection		MM		size		A2		scale		5:1	
tolerance std		-		eng		Sandar Soe		2016/03/07						ecn no		ELX-S-17624-1		rel level		Released	
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		-													
				appr		Chen-Hong Tan		2016/03/17		product family		XCEDE HD									
surface				linear				title		VERTICAL HEADER ASSEMBLY		dwg no		10120130		rev		C			
		0.X		±0.3																	
		0.XX		±0.10																	
ASME Y14.5				0.XXX		±0.05															
				angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 5 of 8			

LEFT POLARIZING / GUIDE MODULE

OPTIONAL KEY SEE SHEET 1
PART NUMBER TREE

SEE NOTE 5

SEE NOTE 11 & TABLE 1

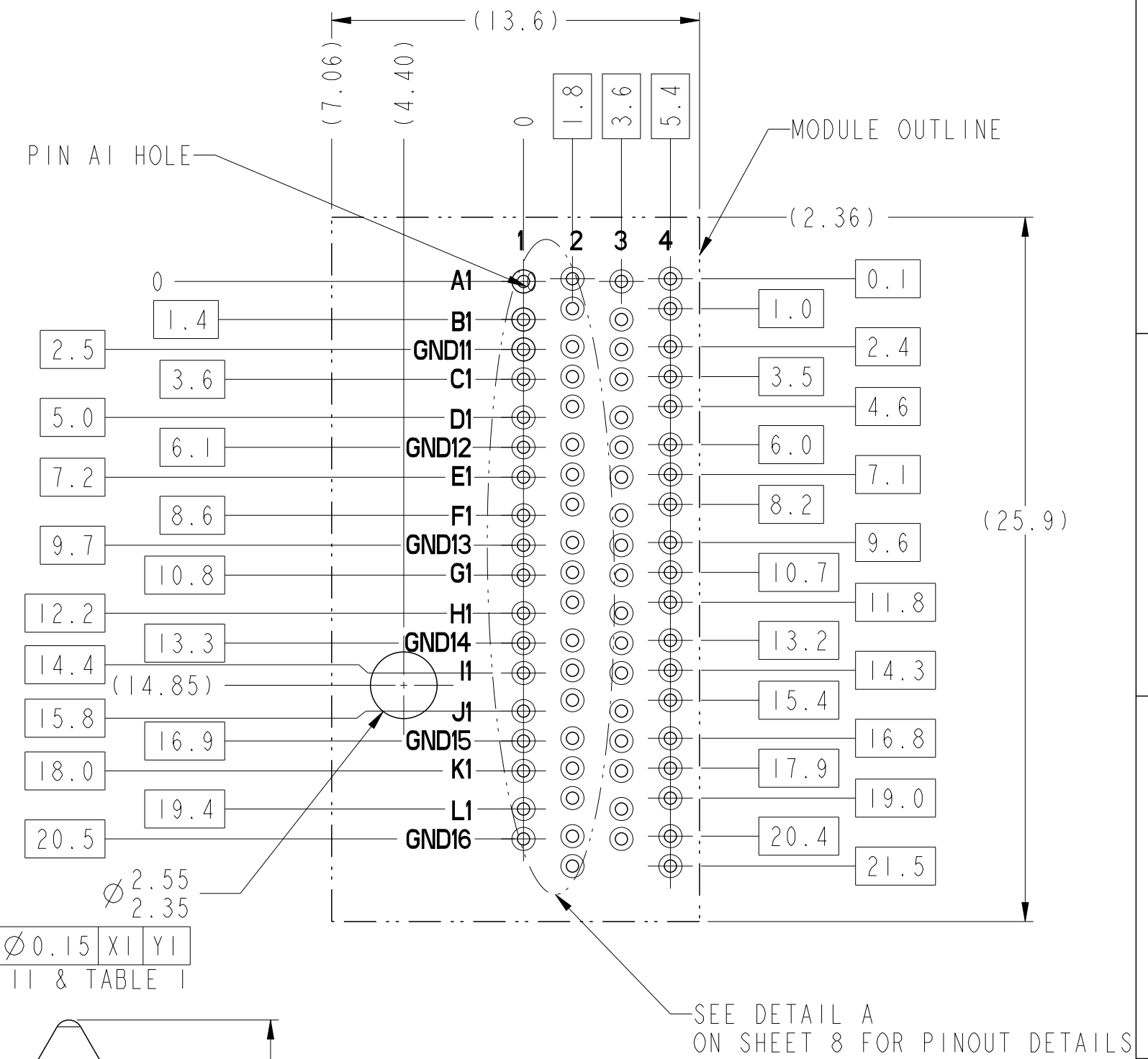
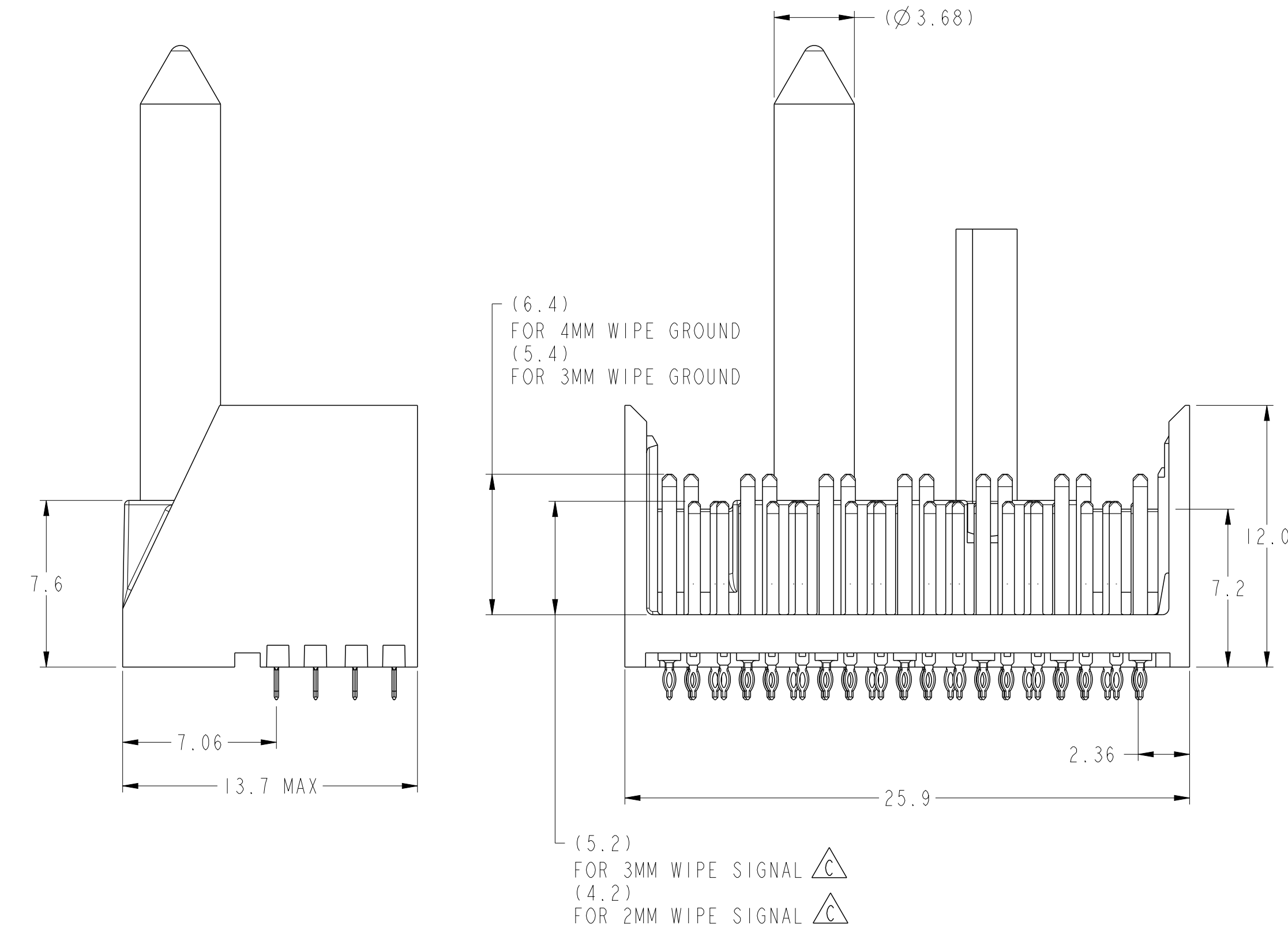
BP HOLE PATTERN COMPONENT SIDE
LEFT POLARIZING GUIDE MODULE
BACKPLANE FOOTPRINT

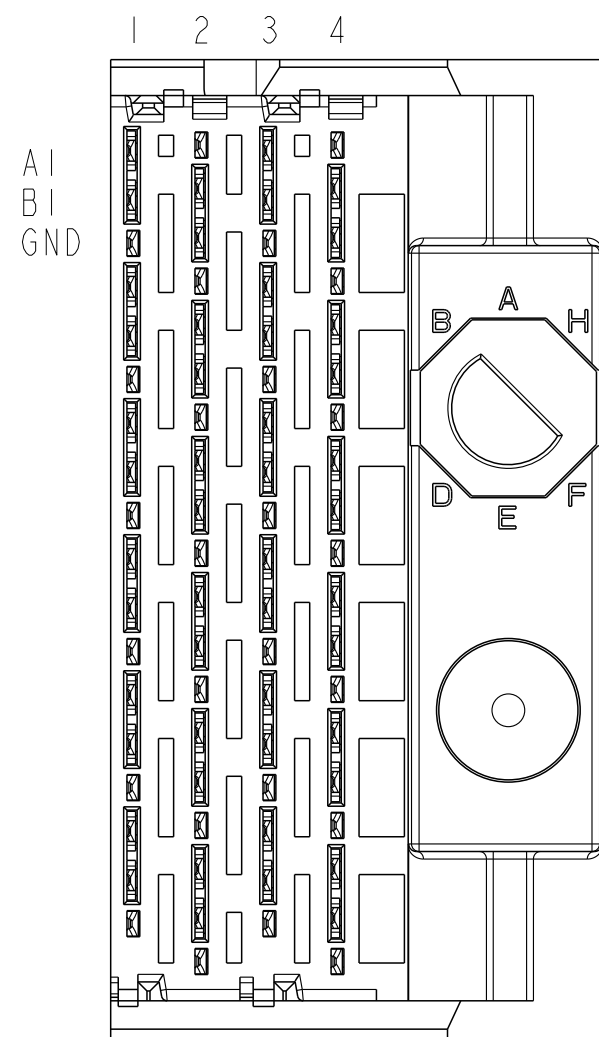
spec ref -		dr Yong-Keat Lim		2012/02/22		projection		MM		size A2		scale 5:1			
tolerance std -		eng Sandar Soe		2016/03/07						ecn no ELX-S-17624-1					
ASME Y14.5		chr -		-											
		appr Chen-Hong Tan		2016/03/17						product family XCEDE HD		rel level Released			
surface		linear		0.X ±0.3				title VERTICAL HEADER ASSEMBLY				dwg no 10120130		rev C	
				0.XX ±0.10											
				0.XXX ±0.05											
				angular 0° ±2°											
ASME Y14.5				www.fci.com		cat. no. -		Product -		Customer Drw		sheet 6 of 8			

PDS: Rev :C

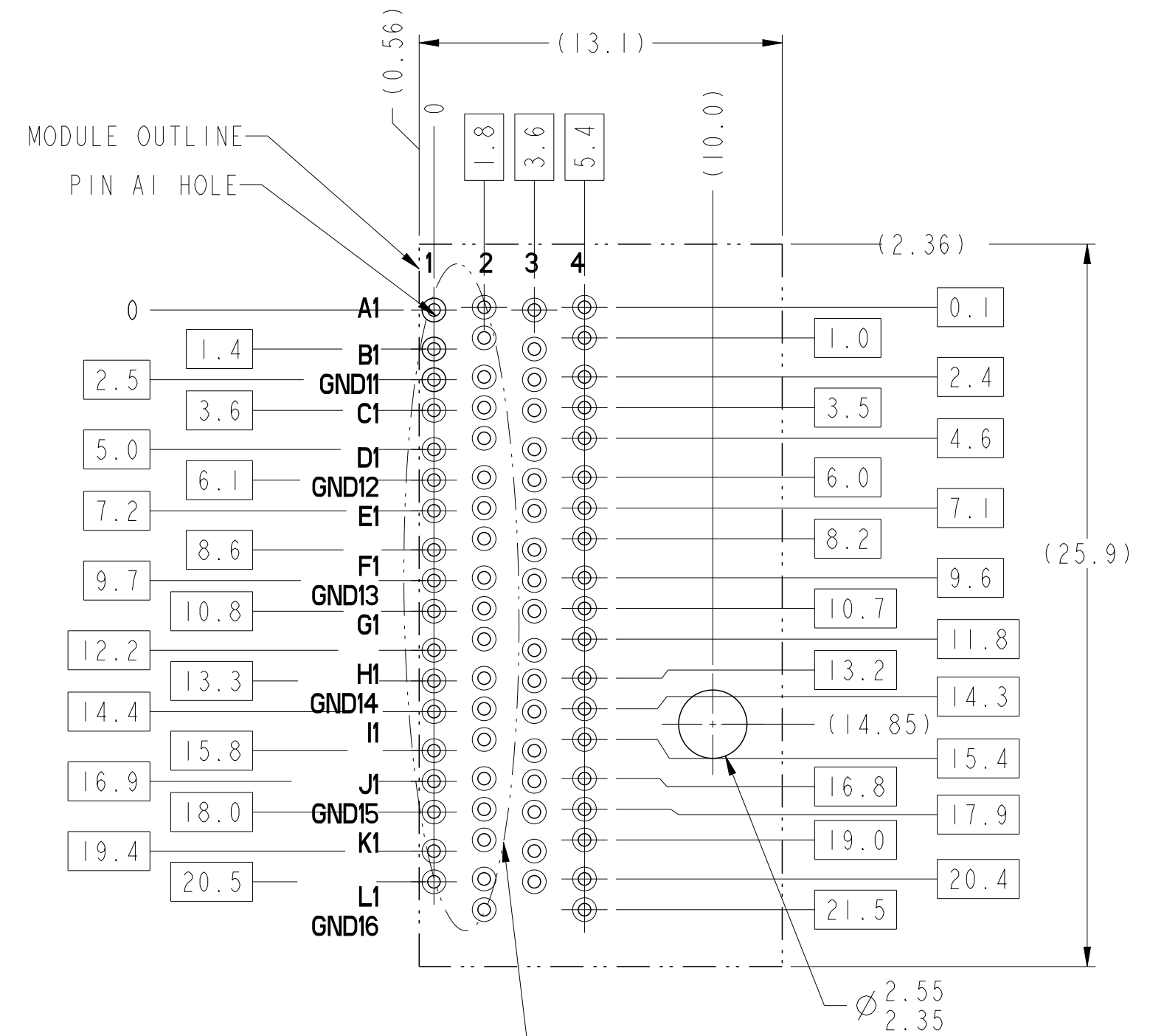
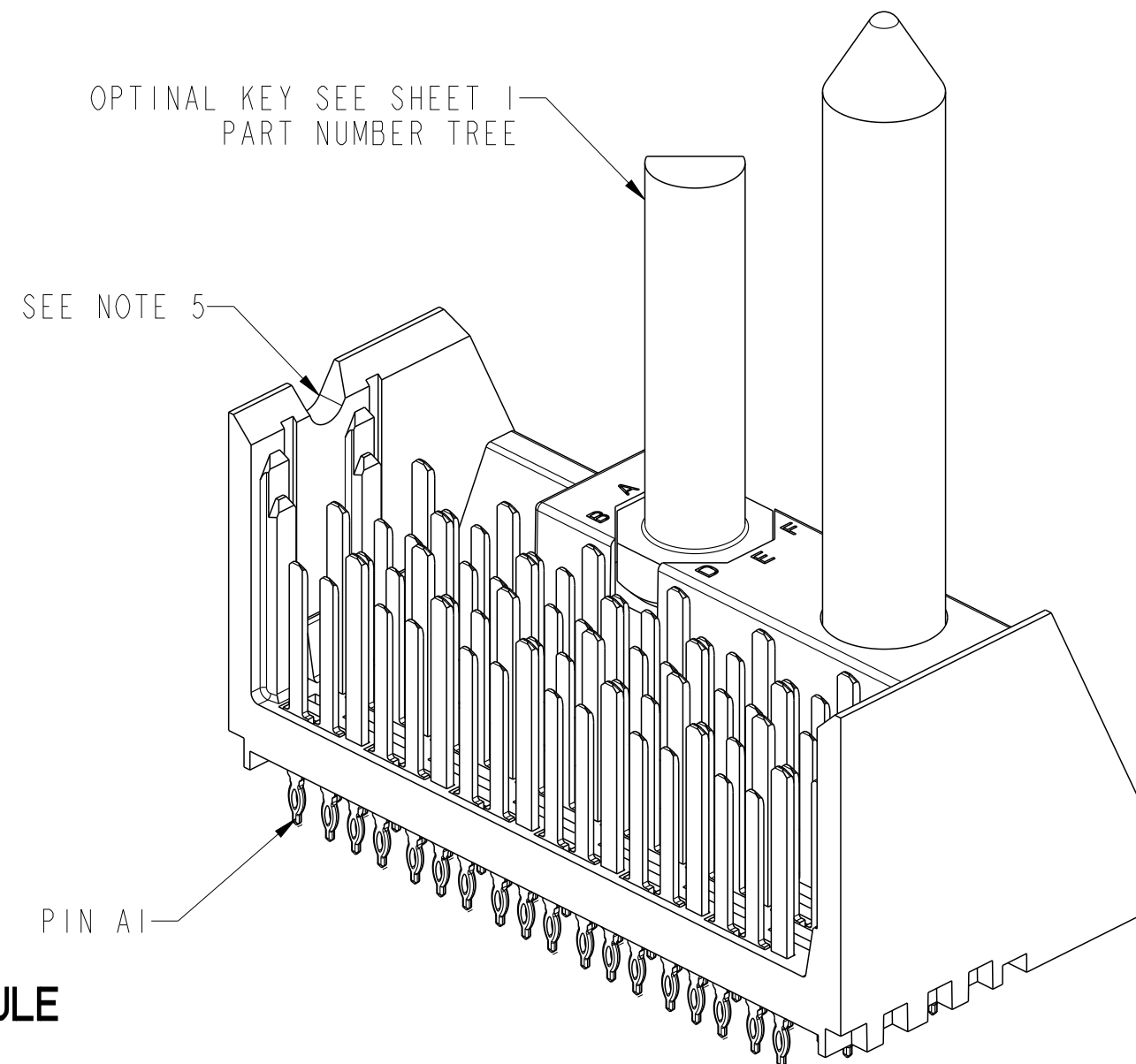
STATUS:Released

Printed: Mar 17, 2016



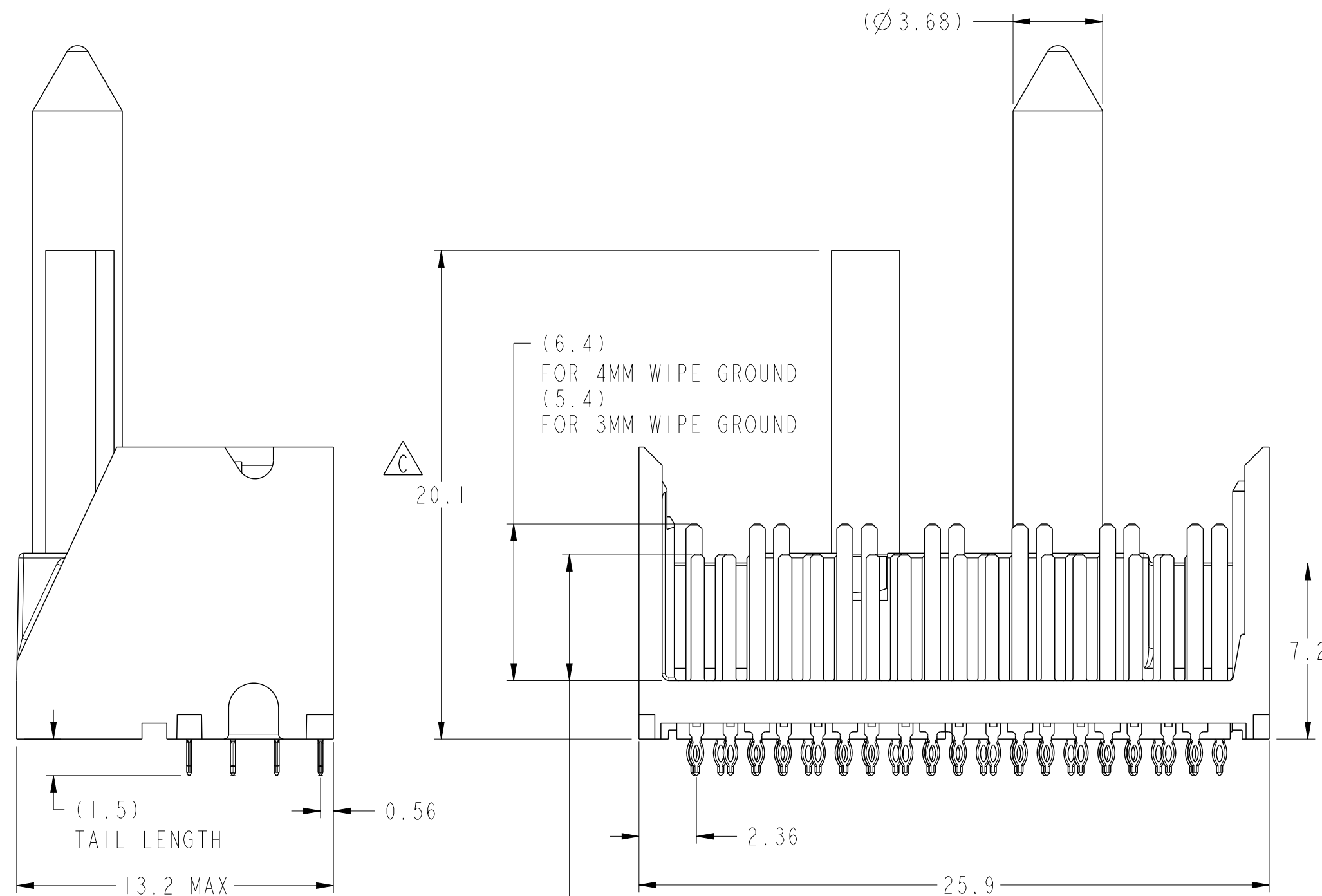


RIGHT POLARIZING GUIDE MODULE

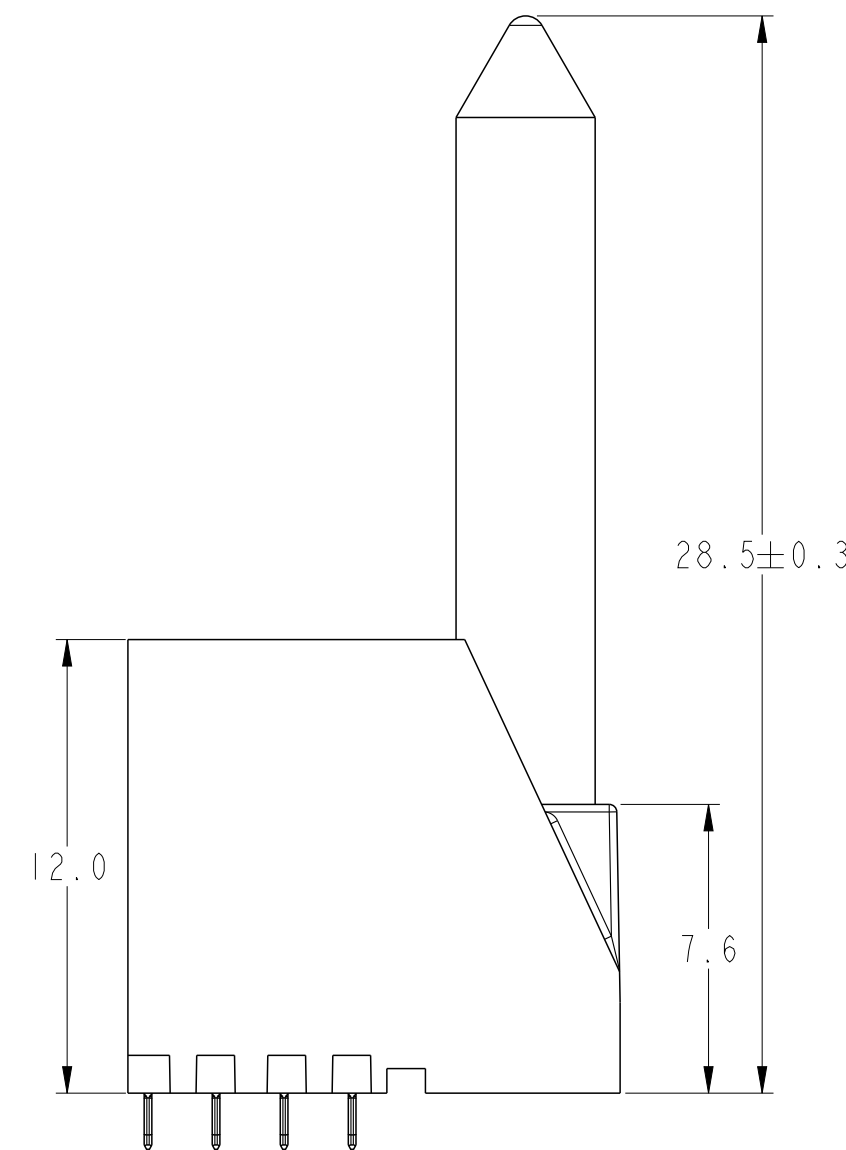


SEE DETAIL A
ON SHEET 8 FOR PINOUT DETAILS

BP HOLE PATTERN COMPONENT SIDE
RIGHT POLARIZING GUIDE MODULE
BACKPLANE FOOTPRINT



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



spec ref	-	dr	Yong-Keat Lim	2012/02/22	projection	MM	size	A2	scale	5:1
tolerance std	-	eng	Sandar Soe	2016/03/07	chr	-	ecn no	ELX-S-17624-1		
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	appr	Chen-Hong Tan	2016/03/17	product family	XCEDE HD	rel level	Released		
surface	linear	angular	0°	±2°	Amphenol FCI	VERTICAL HEADER ASSEMBLY	cat. no.	10120130	rev	C
ASME Y14.5	0.X ±0.3	0.XX ±0.10	0.XXX ±0.05	www.fci.com		XCEDE HD 6 PAIR, 4 COLUMN				

PDS: Rev :C

STATUS:Released

Printed: Mar 17, 2016

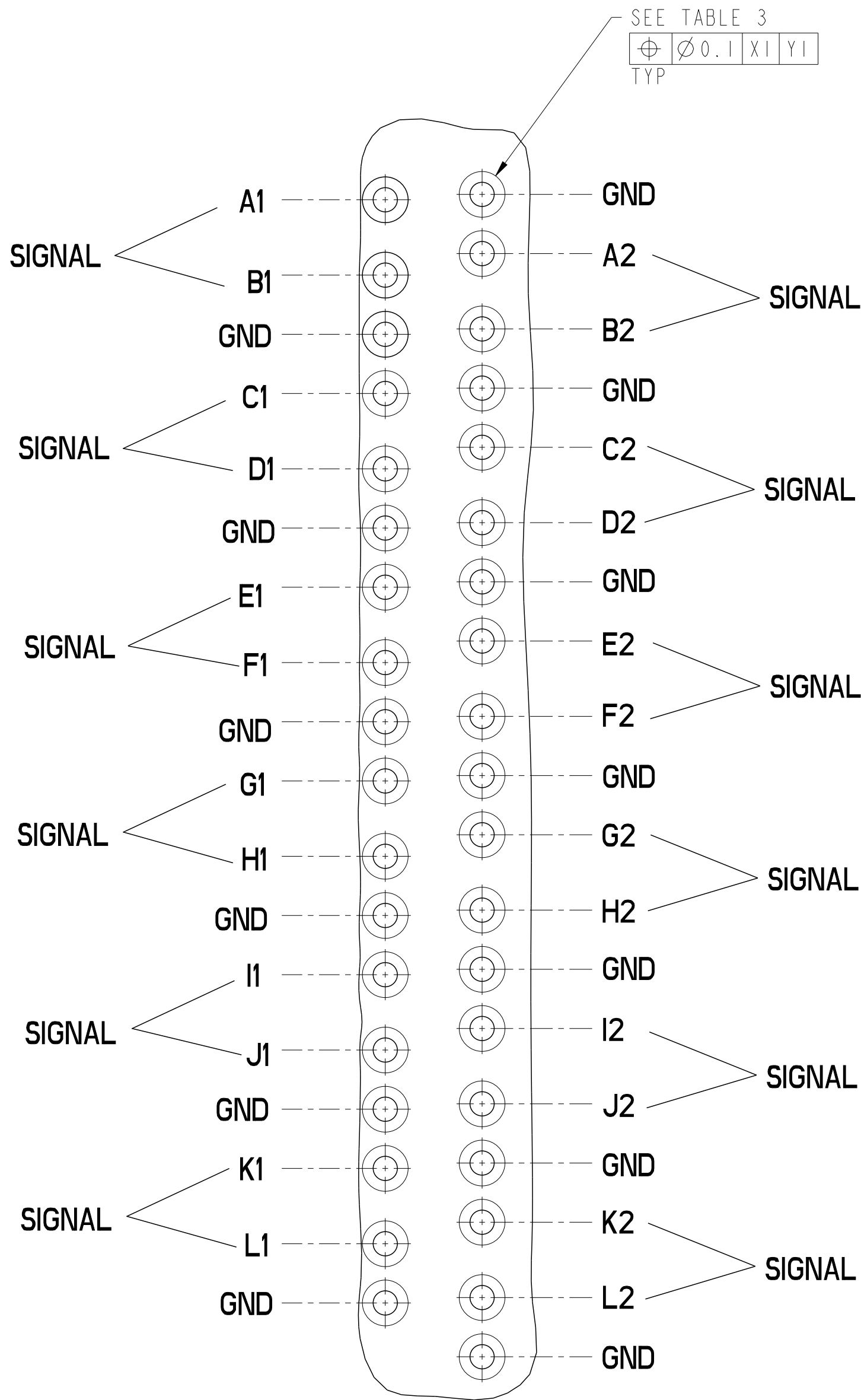
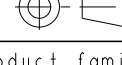


TABLE 3		
	COMPLIANT PIN DRILL Ø0.55[0.0217"]	COMPLIANT PIN DRILL Ø0.45[0.0117"]
PTH	Ø0.45±0.05	Ø0.36±0.05
DRILL	Ø0.55[0.0217"]	Ø0.45[0.0117"]
PAD	Ø0.85	Ø0.75

NOTES:

- CONNECTOR MATERIALS
SHROUD : HIGH-TEMP POLYMER, COLOR : BLACK, UL94V-0
CONTACTS : HIGH PREFORMANCE COPPER ALLOY
- PRODUCT SPECIFICATION : GS-12-0936
- APPLICATION SPECIFICATION : GS-20-0348
- PRODUCT MARKING :
PART NUMBER (10120130-X0J-XXXLF)
"FCI" AND DATE CODE (FCI P#####)
- NOTCH DESIGNATES "ROW A" SIDE OF CONNECTOR. NOTCH FEATURE ON OPPOSITE FOR PRODUCT MARKING.
- PLATING THICKNESS OF SIGNAL & GROUND CONTACT ARE DETERMINED BY PLATING CODE, REFER TO P/N TREE ON SHEET 1.
- 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  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 Yong-Keat Lim		2012/02/22		projection		MM		size A2		scale 3:1	
tolerance std -		eng Sandar Soe		2016/03/07						ecn no ELX-S-17624-1		rel level Released	
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr -									
		appr Chen-Hong Tan		2016/03/17									
						product family		XCED HD					
surface 		linear		0.X ±0.3		Amphenol FCI		title VERTICAL HEADER ASSEMBLY XCED HD 6 PAIR, 4 COLUMN		dwg no 10120130		rev C	
		0.XX ±0.10											
		0.XXX ±0.05											
ASME Y14.5		angular 0° ±2°		www.fci.com		cat. no. -		Product - Customer Drw		sheet 8 of 8			

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

FCI / Amphenol:

<u>10120130-A0J-80DLF</u>	<u>10120130-B0J-70DLF</u>	<u>10120130-10J-20DLF</u>	<u>10120130-A0J-10DLF</u>	<u>10120130-E0J-80DLF</u>
<u>10120130-J0J-40DLF</u>	<u>10120130-W0J-60DLF</u>	<u>10120130-W0J-30DLF</u>	<u>10120130-00J-30DLF</u>	<u>10120130-S0J-10DLF</u>
<u>10120130-J0J-70DLF</u>	<u>10120130-Q0J-40DLF</u>	<u>10120130-J0J-80DLF</u>	<u>10120130-Q0J-10DLF</u>	<u>10120130-R0J-80DLF</u>
<u>10120130-W0J-40DLF</u>	<u>10120130-J0J-50DLF</u>	<u>10120130-T0J-80DLF</u>	<u>10120130-M0J-40DLF</u>	<u>10120130-B0J-80DLF</u>
<u>10120130-T0J-60DLF</u>	<u>10120130-V0J-70DLF</u>	<u>10120130-G0J-40DLF</u>	<u>10120130-L0J-80DLF</u>	<u>10120130-P0J-10DLF</u>
<u>10120130-Q0J-70DLF</u>	<u>10120130-H0J-70DLF</u>	<u>10120130-L0J-60DLF</u>	<u>10120130-P0J-30DLF</u>	<u>10120130-P0J-50DLF</u>
<u>10120130-M0J-60DLF</u>	<u>10120130-Q0J-50DLF</u>	<u>10120130-C0J-70DLF</u>	<u>10120130-E0J-50DLF</u>	<u>10120130-E0J-10DLF</u>
<u>10120130-F0J-30DLF</u>	<u>10120130-H0J-60DLF</u>	<u>10120130-D0J-30DLF</u>	<u>10120130-C0J-20DLF</u>	<u>10120130-00J-80DLF</u>
<u>10120130-F0J-50DLF</u>	<u>10120130-10J-30DLF</u>	<u>10120130-B0J-50DLF</u>	<u>10120130-C0J-50DLF</u>	<u>10120130-10J-70DLF</u>
<u>10120130-B0J-60DLF</u>	<u>10120130-10J-80DLF</u>	<u>10120130-10J-10DLF</u>	<u>10120130-10J-50DLF</u>	<u>10120130-B0J-40DLF</u>
<u>10120130-U0J-80DLF</u>	<u>10120130-Y0J-10DLF</u>	<u>10120130-Y0J-60DLF</u>	<u>10120130-00J-20DLF</u>	<u>10120130-E0J-60DLF</u>
<u>10120130-V0J-50DLF</u>	<u>10120130-T0J-20DLF</u>	<u>10120130-Q0J-30DLF</u>	<u>10120130-B0J-10DLF</u>	<u>10120130-Q0J-60DLF</u>
<u>10120130-R0J-50DLF</u>	<u>10120130-U0J-60DLF</u>	<u>10120130-M0J-10DLF</u>	<u>10120130-W0J-10DLF</u>	<u>10120130-F0J-70DLF</u>
<u>10120130-L0J-10DLF</u>	<u>10120130-L0J-20DLF</u>	<u>10120130-M0J-50DLF</u>	<u>10120130-E0J-30DLF</u>	<u>10120130-P0J-60DLF</u>
<u>10120130-P0J-80DLF</u>	<u>10120130-R0J-20DLF</u>	<u>10120130-00J-40DLF</u>	<u>10120130-C0J-40DLF</u>	<u>10120130-P0J-40DLF</u>
<u>10120130-M0J-70DLF</u>	<u>10120130-P0J-20DLF</u>	<u>10120130-R0J-40DLF</u>	<u>10120130-T0J-10DLF</u>	<u>10120130-00J-60DLF</u>
<u>10120130-Y0J-40DLF</u>	<u>10120130-H0J-10DLF</u>	<u>10120130-A0J-40DLF</u>	<u>10120130-J0J-10DLF</u>	<u>10120130-Y0J-30DLF</u>
<u>10120130-A0J-20DLF</u>	<u>10120130-10J-60DLF</u>	<u>10120130-C0J-10DLF</u>	<u>10120130-G0J-30DLF</u>	<u>10120130-L0J-50DLF</u>
<u>10120130-M0J-20DLF</u>	<u>10120130-V0J-20DLF</u>	<u>10120130-W0J-70DLF</u>	<u>10120130-Y0J-80DLF</u>	<u>10120130-M0J-80DLF</u>
<u>10120130-T0J-30DLF</u>	<u>10120130-V0J-60DLF</u>	<u>10120130-B0J-20DLF</u>	<u>10120130-L0J-40DLF</u>	<u>10120130-F0J-80DLF</u>