

10130105 - X0J - XXXLF

LEAD-FREE DESIGNATION
ONLY WITH APPLICABLE
PLATING CODES

4-COLUMN
DIFFERENTIAL
SIGNAL

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	

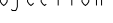
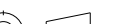
MODULE DESCRIPTION	LETTER DESIGNATION REPRESENTED IN DASH NUMBER										BASE MODULE
LEFT POLARIZING GUIDANCE MODULE (SEE SHEET 6)	N	J	A	B	C	D	E	F	G	H	
	NO KEY NO GUIDE PIN										
RIGHT POLARIZING GUIDANCE MODULE (SEE SHEET 7)	Z	Y	P	Q	R	S	T	U	V	W	
	NO KEY NO GUIDE PIN										
OPEN MODULE (TWO WALL)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

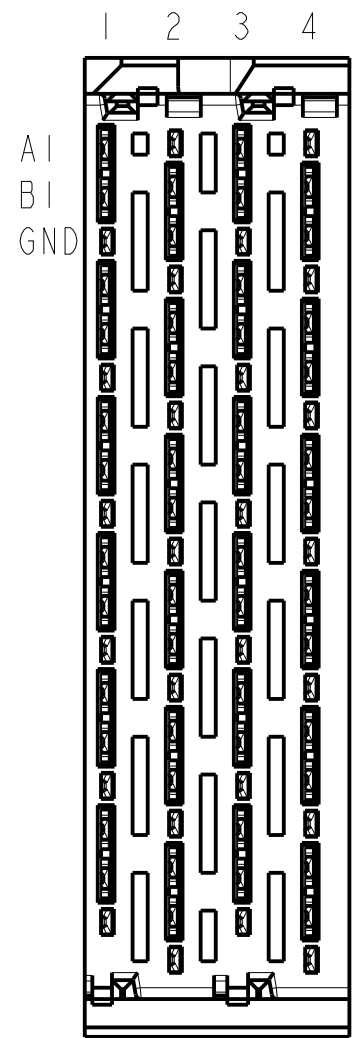
NUMBER	CONTACT MATING WIPE LENGTH		COMPLIANT TAIL TYPE (SEE NOTE 9)
	SIGNAL	GROUND	
1	2 MM	4 MM	0.55 (0.0217" DRILL)
2	3 MM	4 MM	0.55 (0.0217" DRILL)
3	2 MM	4 MM	0.45 MICRO (0.0177" DRILL)
4	3 MM	4 MM	0.45 MICRO (0.0177" DRILL)
5	2 MM	3 MM	0.55 (0.0217" DRILL)
6	3 MM	3 MM	0.55 (0.0217" DRILL)
7	2 MM	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 10130105-XXXX, WHERE: "X" DENOTES MODULE TYPE PER CHART ON THIS SHEET "XXXX" IS A SEQUENTIAL NUMBER BEGINNING WITH "0001".

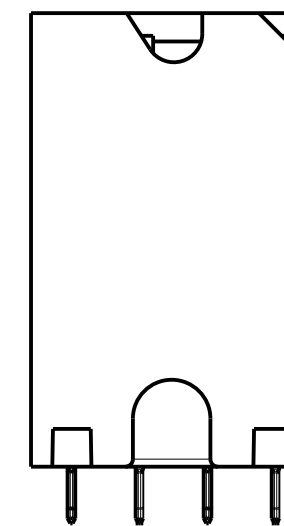
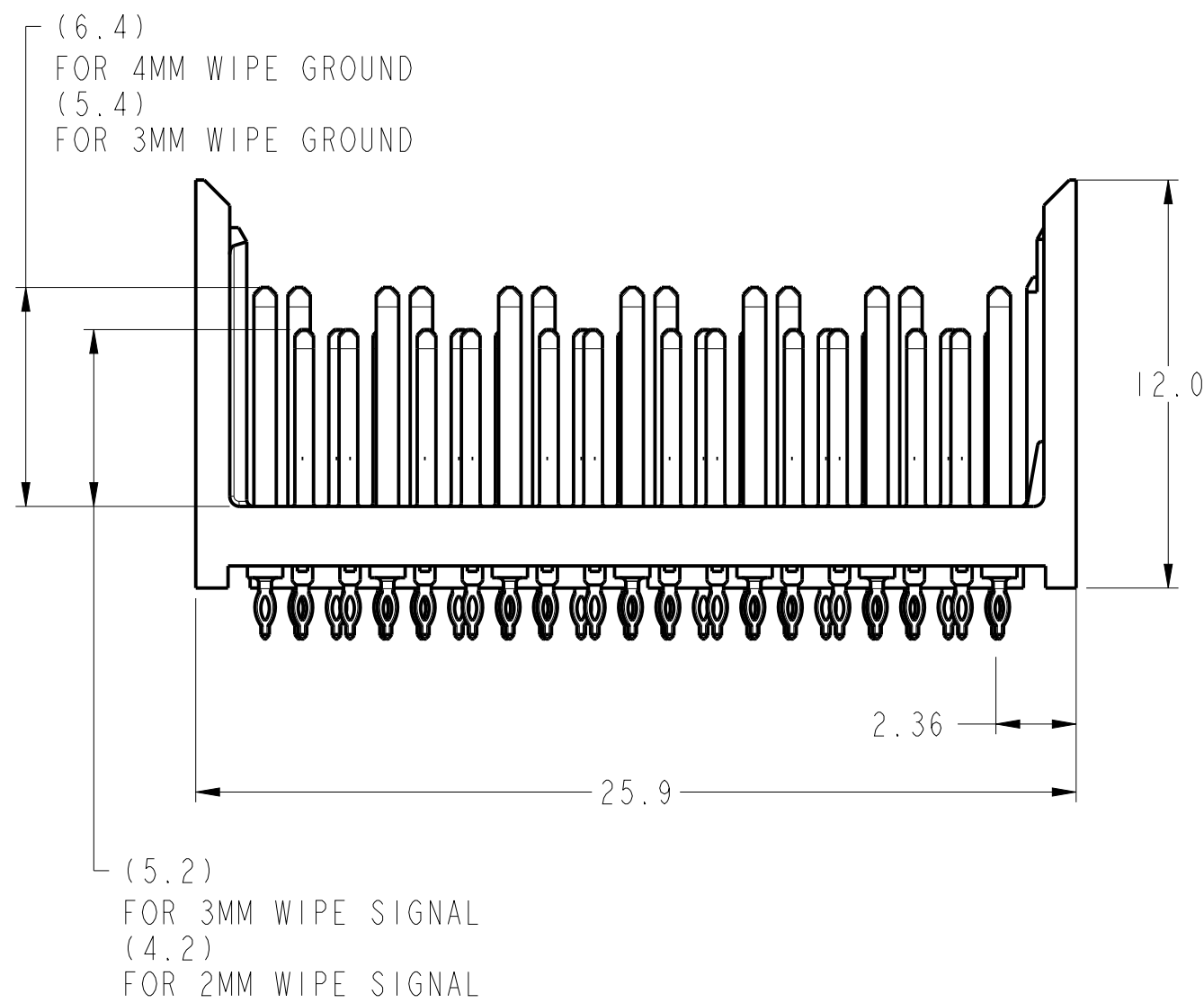
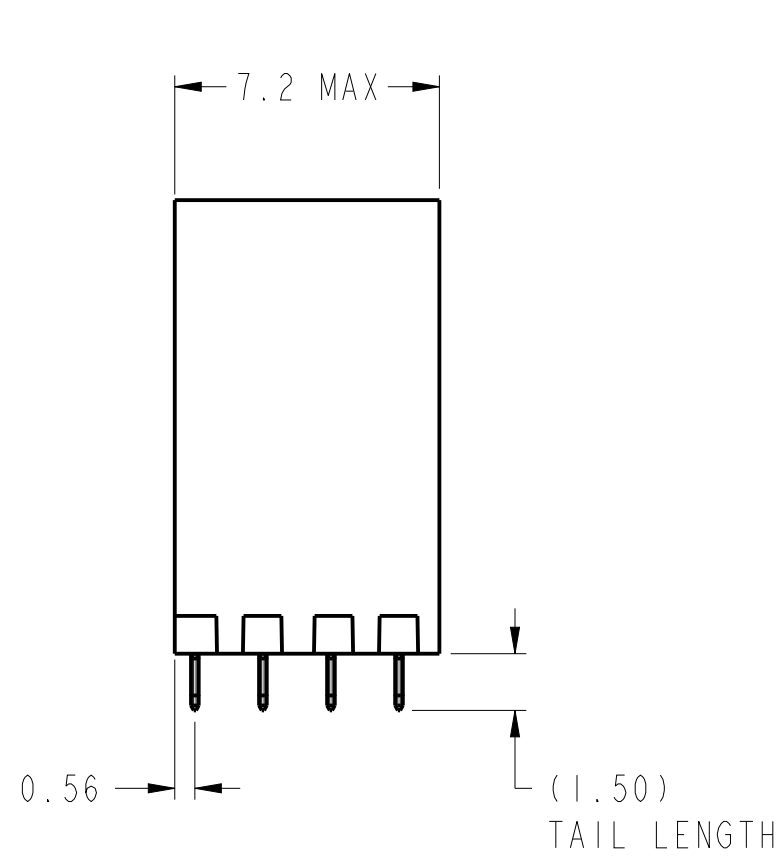
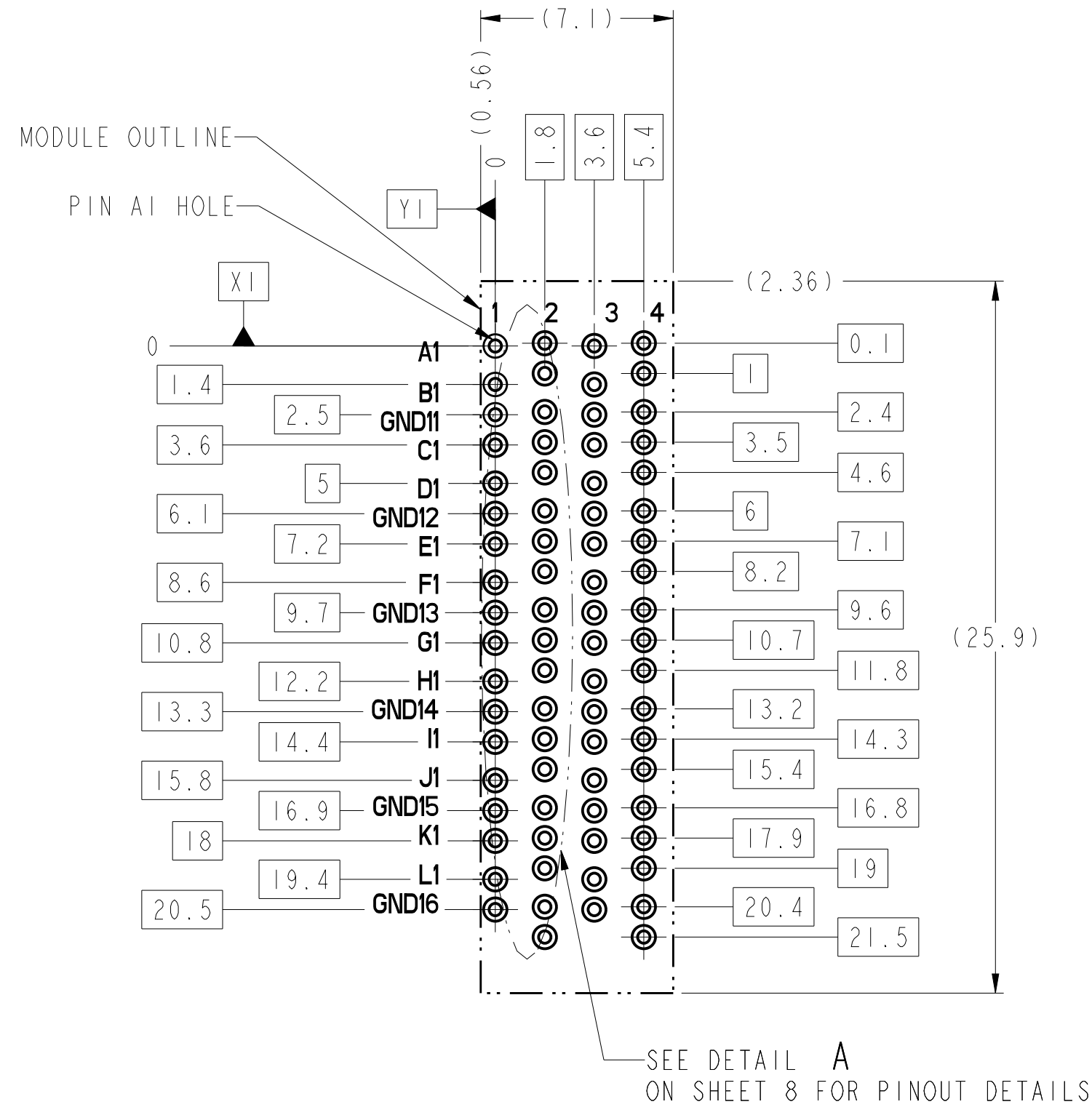
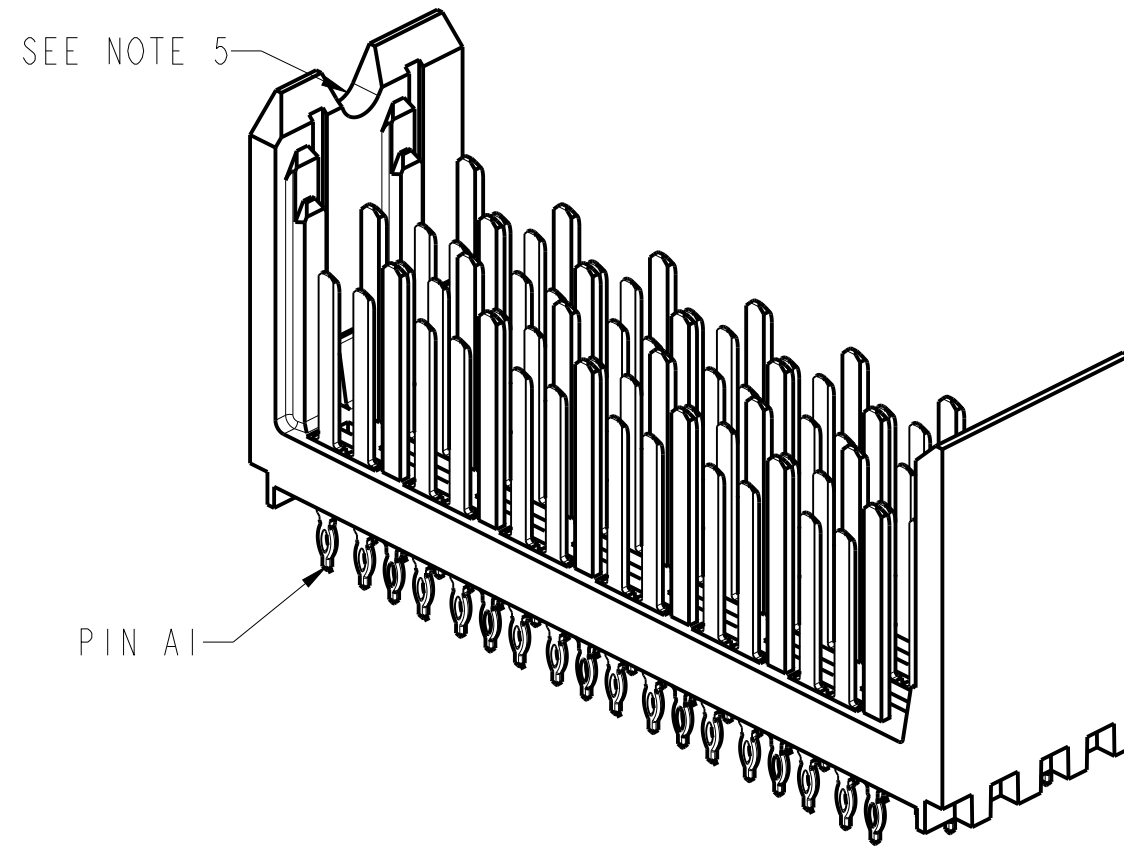
TABLE 1 (SEE NOTE 11)		
	UNGROUND	GROUND
FHS	Ø 2.35-Ø 2.55	Ø 2.35-Ø 2.55
PAD	N/A	Ø 5.50
PLATED	NO	YES
DRILL(mm)	2.44mm	2.58mm
DRILL(in)	0.096"	0.1015"

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

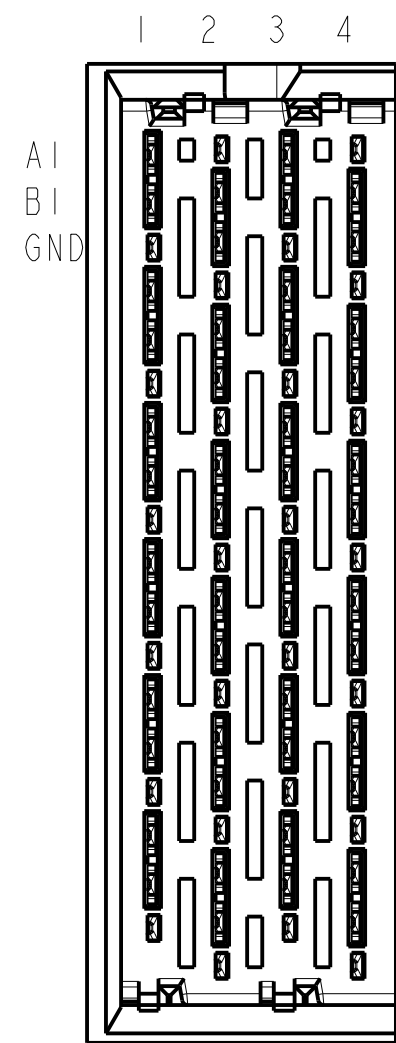
spec ref		-		dr	Sander Soe	2014/05/16	projection			MM	size	A2	scale	3:1	
tolerance std		-		eng	Michael Song	2016/07/27				ecn no	-				
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Heaven Cen	2016/07/27					rel level			Released	
				appr	Pei-Ming Zheng	2016/07/27					product family				XCEDE HD
surface		linear	0.X	±0.3	Amphenol FCI	title	MODULE ASSEMBLY, XCEDE HD				dwg no	10130105		rev	A
			0.XX	±0.10											
			0.XXX	±0.05											
ASME Y14.5		angular	0°	±2°		cat. no.	-	Product - Customer Drw				sheet 1 of 8			



OPEN WALL MODULE



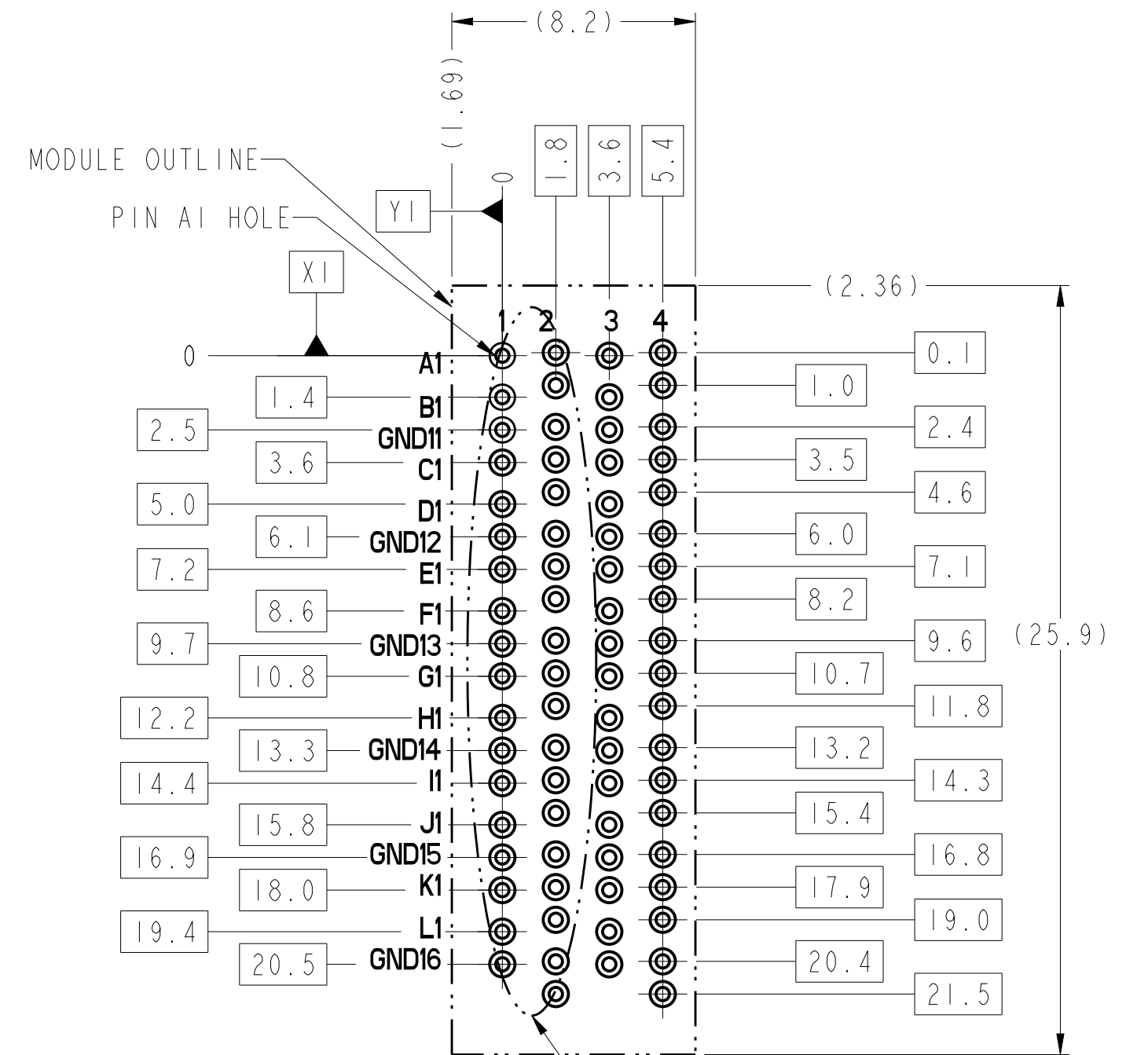
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tolerance std	ASME Y14.5	eng	Michael Song	2016/07/27	chr	Heaven Cen	ecn no	-		
surface	✓	appr	Pei-Ming Zheng	2016/07/27	product family	XCEDE HD	rel level	Released		
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	Amphenol FCI	title	MODULE ASSEMBLY, XCEDE HD	dwg no	10130105	rev	A		
angular	0° ±2°	cat. no.		Product - Customer Drw	sheet 2 of 8					



LEFT WALL MODULE

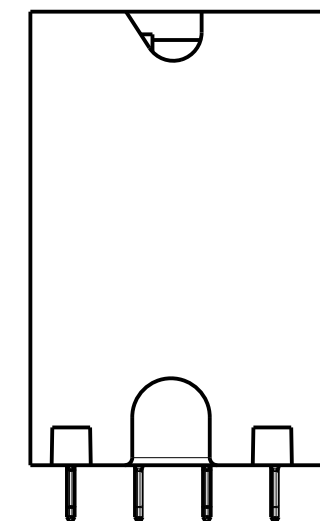
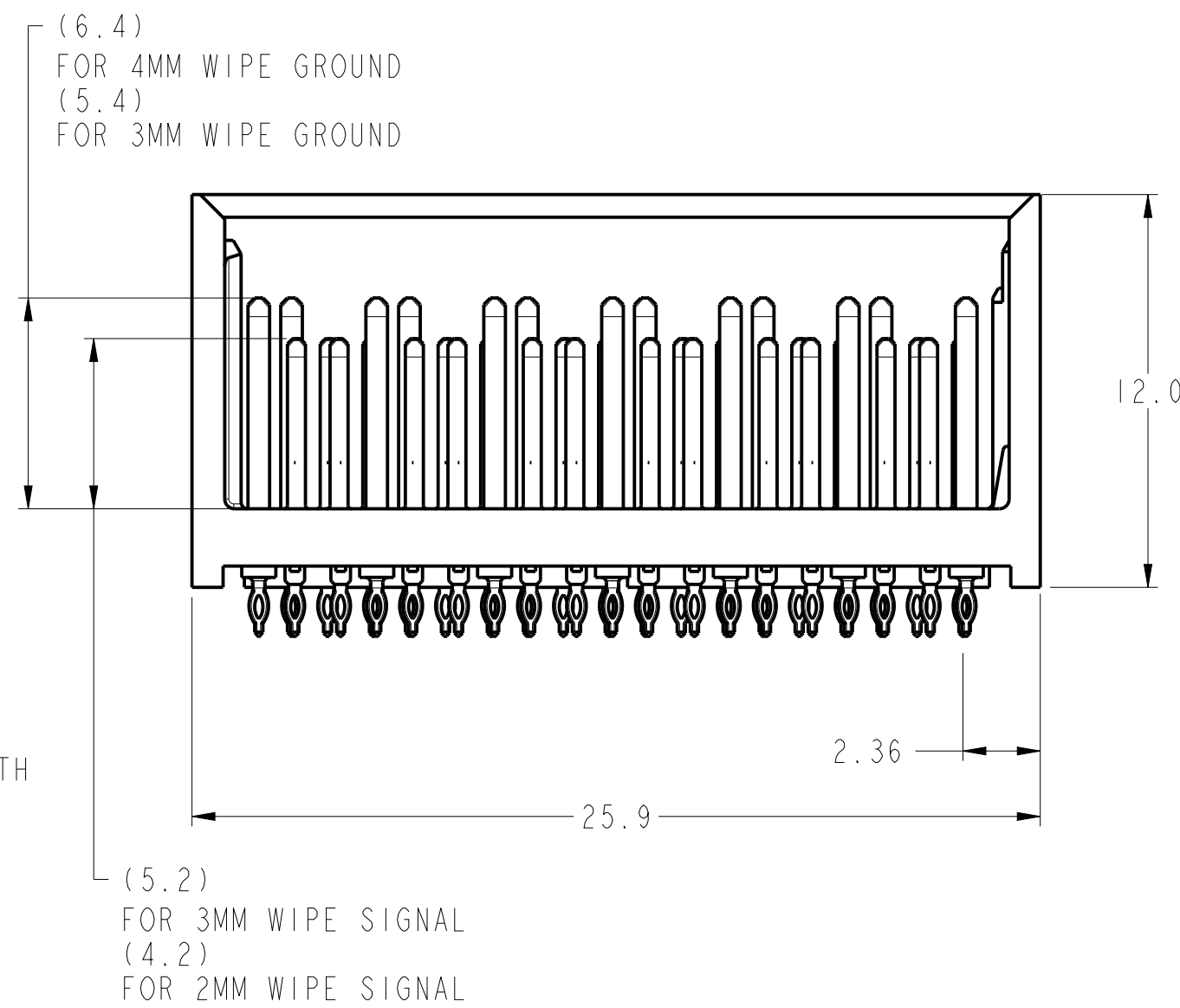
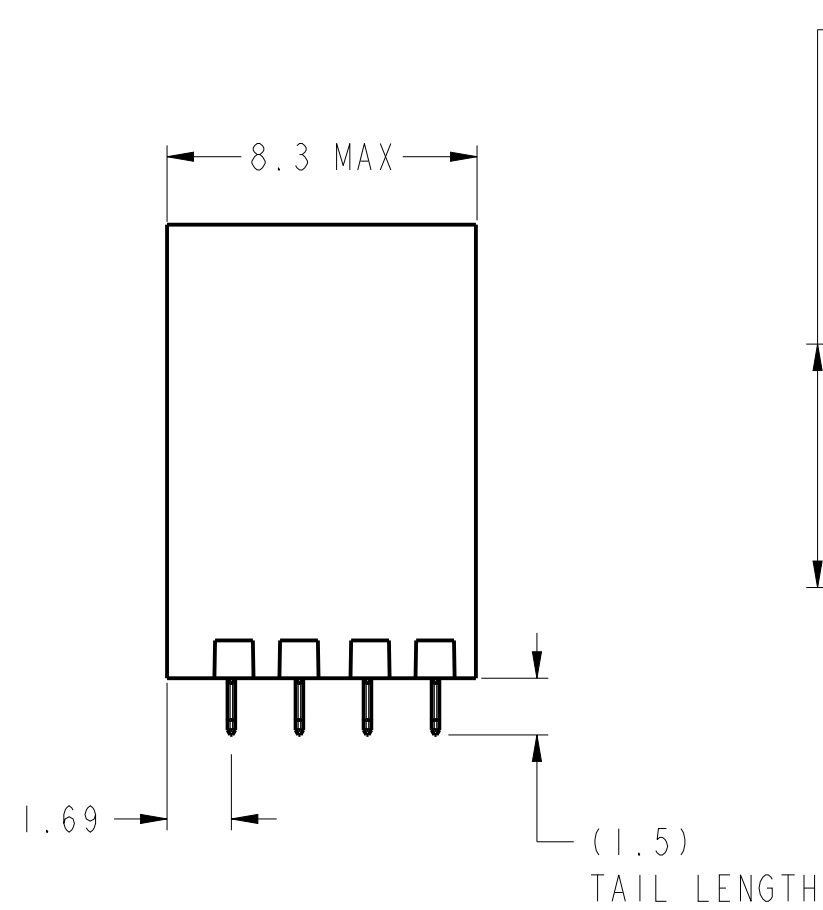
SEE NOTE 5

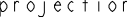
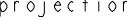
PIN AI



BP HOLE PATTERN COMPONENT SIDE

LEFT WALL MODULE BACKPLANE FOOTPRINT

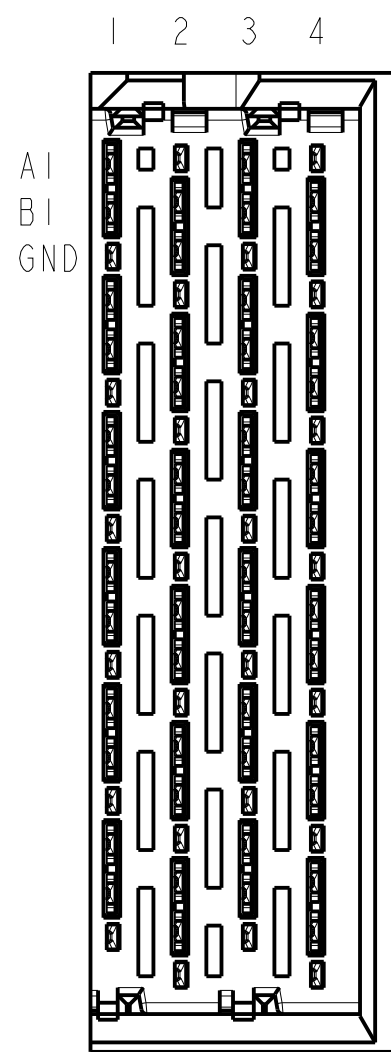


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tolerance std		-		eng		Michael Song		2016/07/27						ecn no		-		rel level		Released					
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Heaven Cen		2016/07/27																	
surface		✓		appr		Pei-Ming Zheng		2016/07/27																	
ASME Y14.5		linear		0.X		±0.3		Amphenol FCI		title		MODULE ASSEMBLY, XCEDE HD		dwg no		10130105		rev		A					
				0.XX		±0.10																			
				0.XXX		±0.05																			
		angular		0°		±2°						cat. no.		-		Product - Customer Drw		sheet 3 of 8							

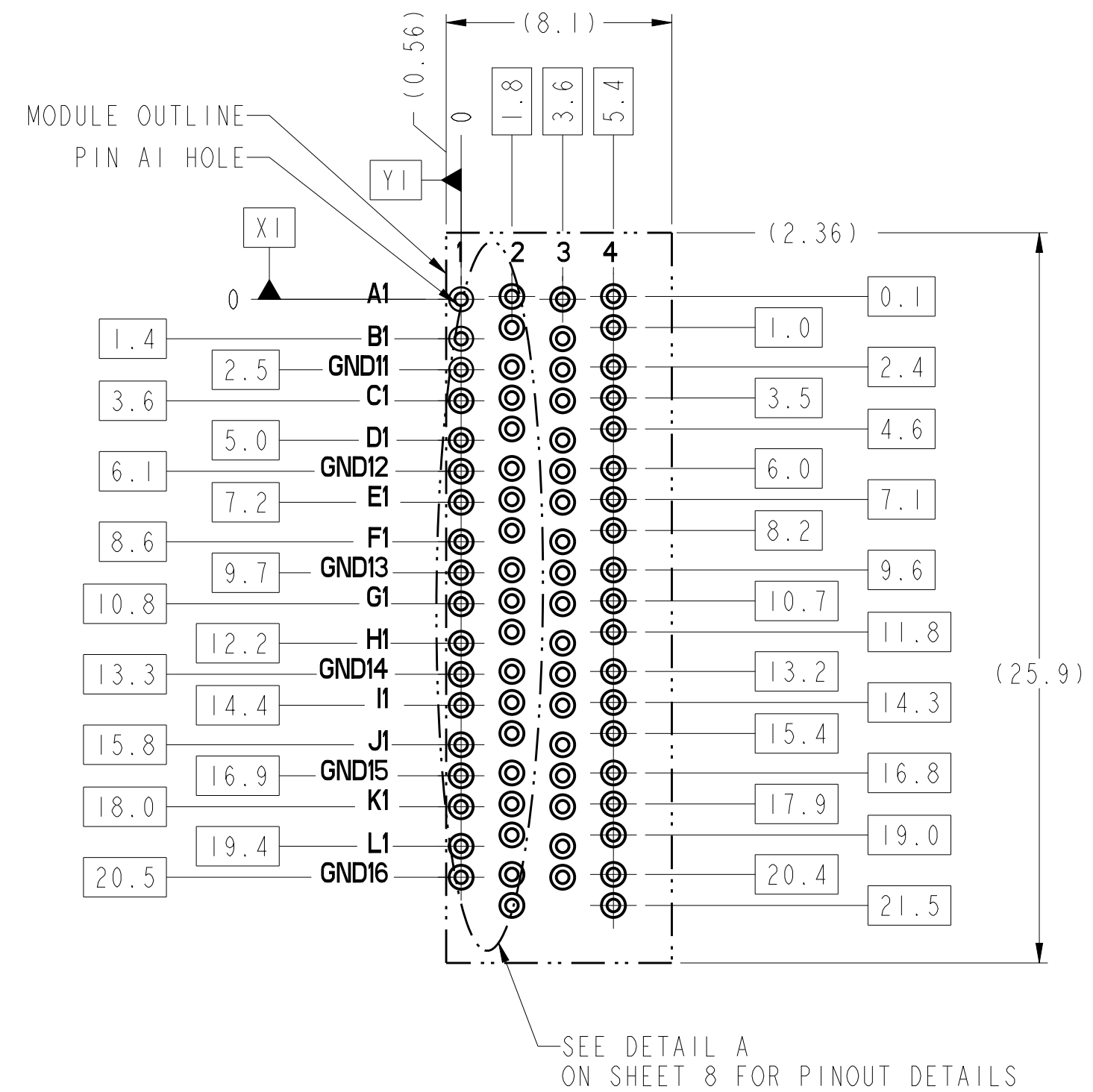
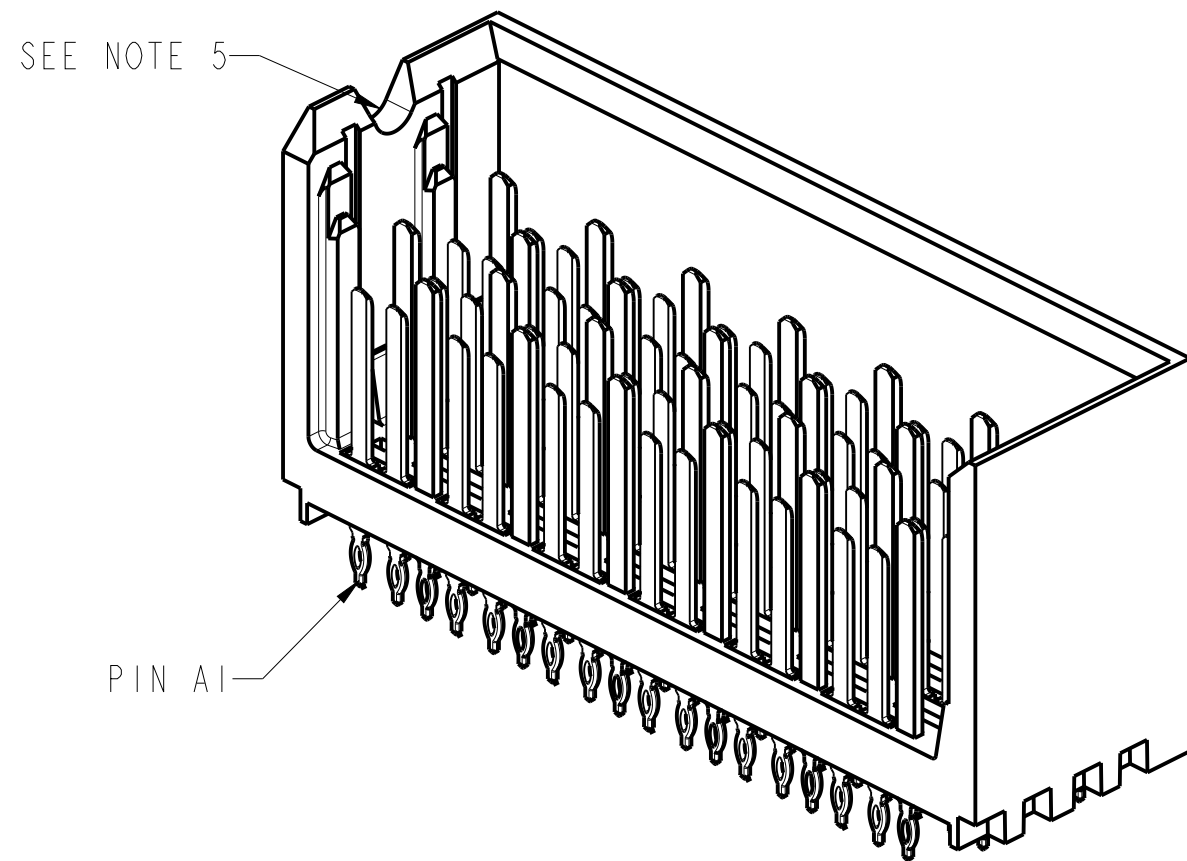
PDS: Rev :A

STATUS: Released

Printed: 31 28, 2016

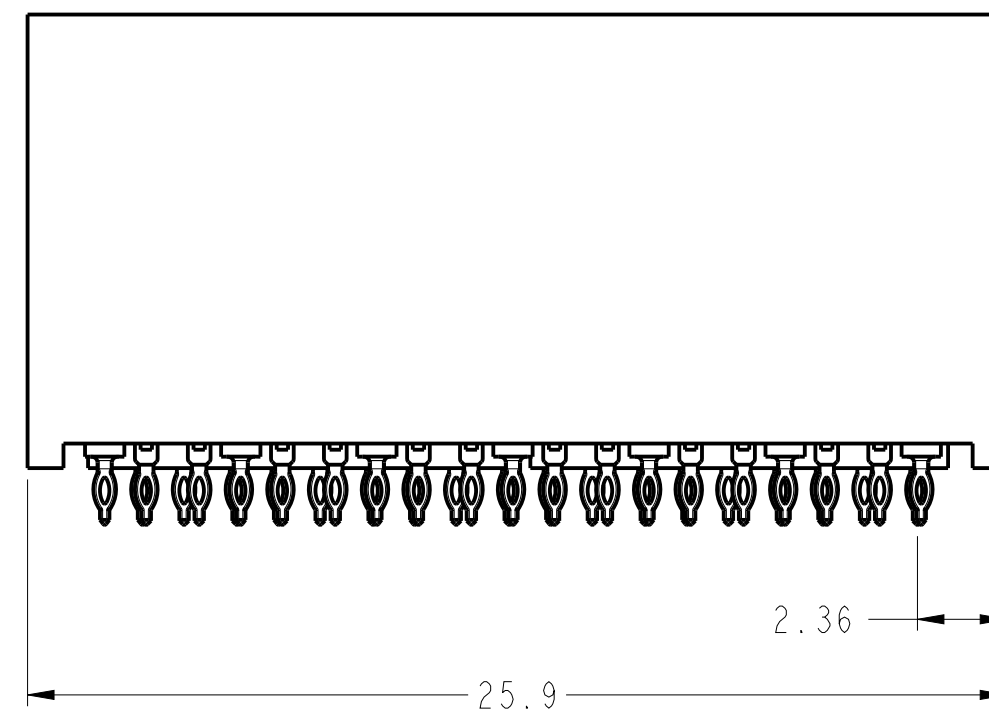
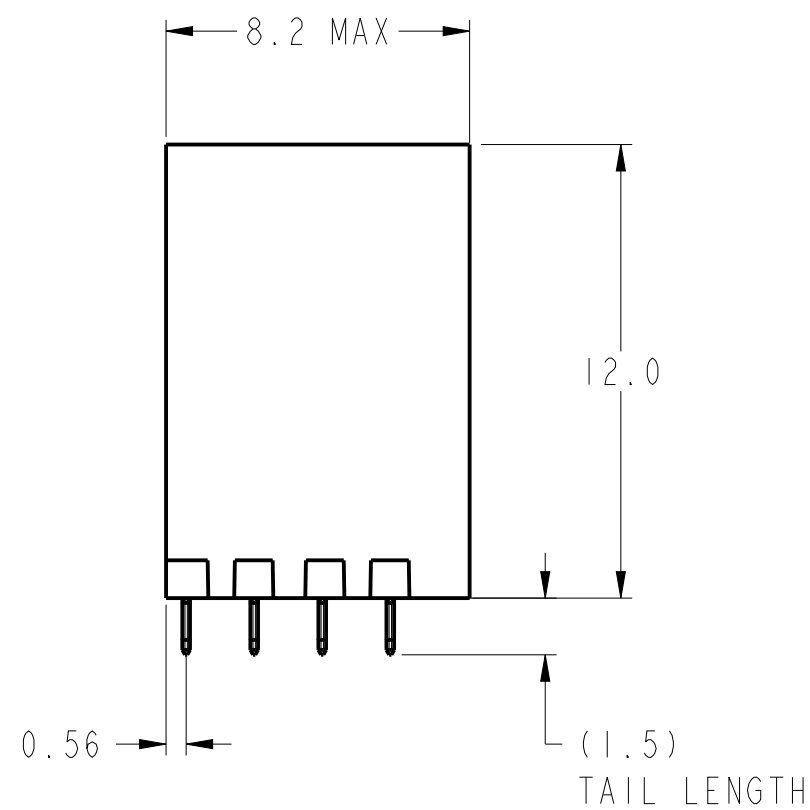
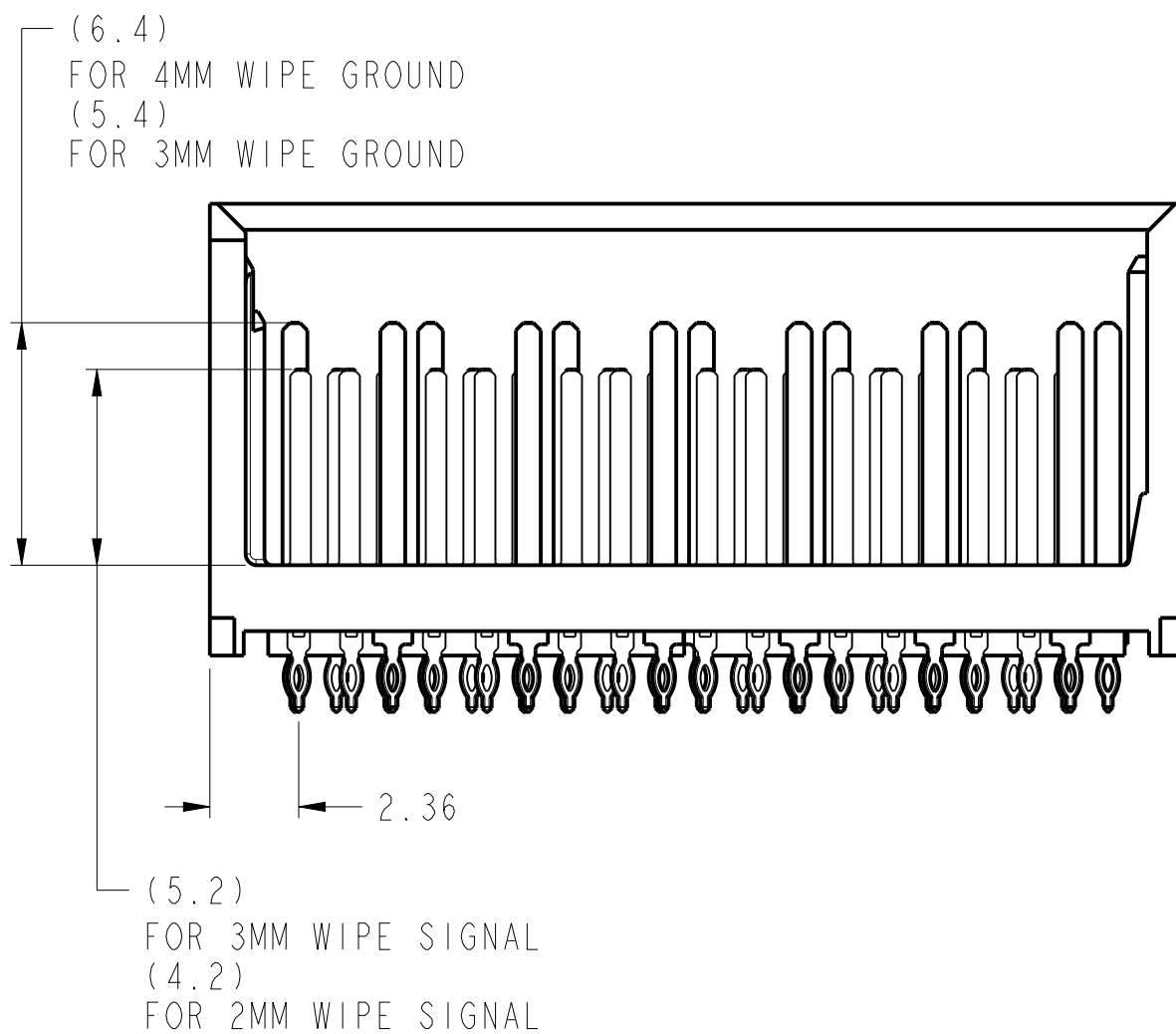


RIGHT WALL MODULE

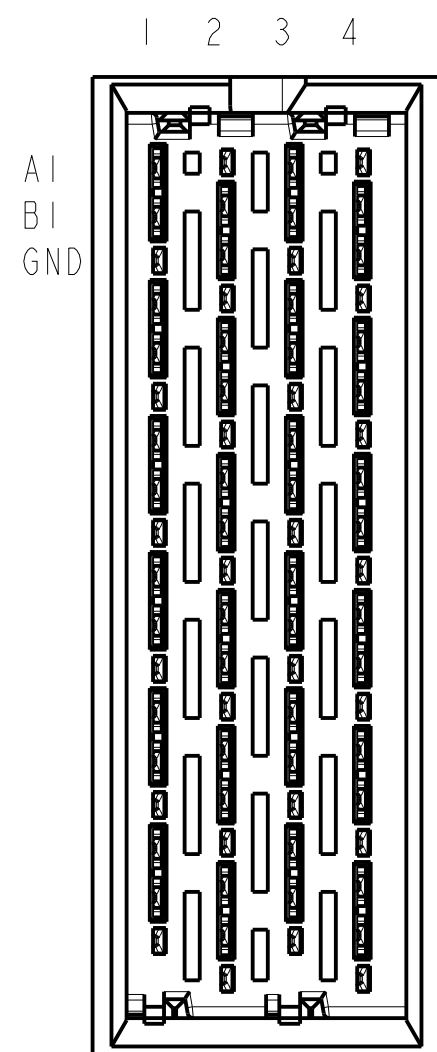


BP HOLE PATTERN COMPONENT SIDE

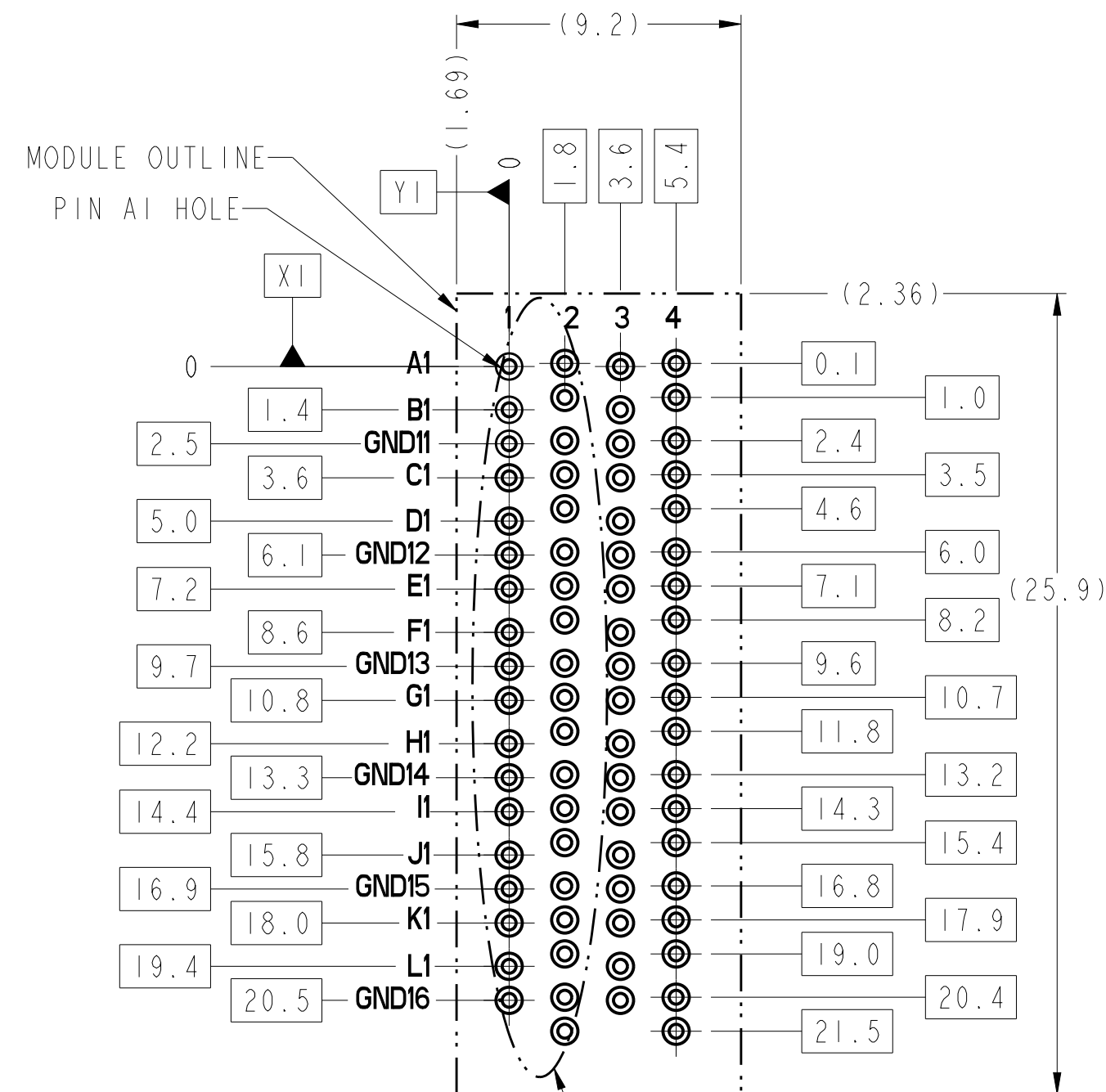
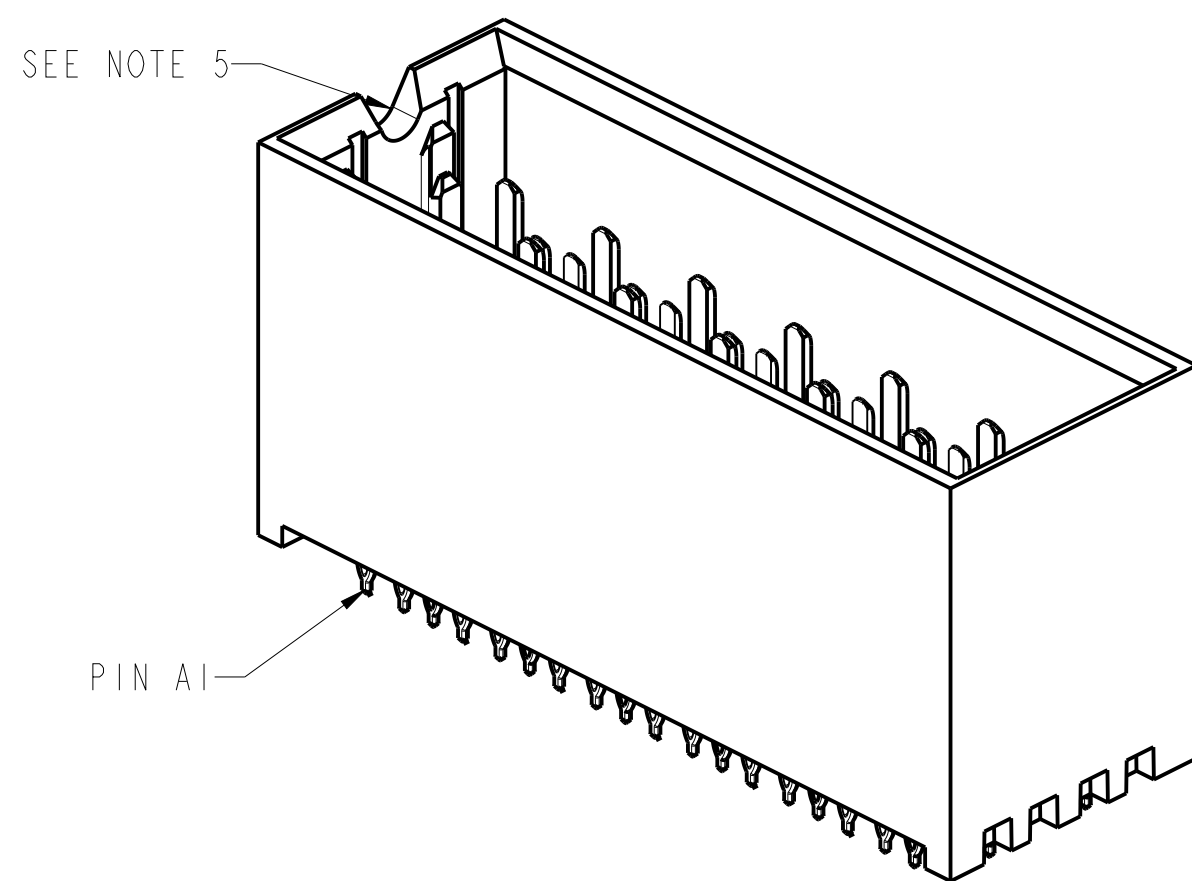
RIGHT WALL MODULE BACKPLANE FOOTPRINT



spec ref		-		dr		Sander Soe		2014/09/16		projection				MM		size		A2		scale		5:1	
tolerance std		-		eng		Michael Song		2016/07/27								ecn no		-		rel level		Released	
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Heaven Cen		2016/07/27								ecn no		-					
				appr		Pei-Ming Zheng		2016/07/27								product family		XCODE HD					
surface		linear		0.X		±0.3		Amphenol FCI		title		MODULE ASSEMBLY, XCODE HD		dwg no		10130105		rev		A			
		0.XX		±0.10		VERTICAL HEADER, 6 PAIR 4 COLUMN																	
		0.XXX		±0.05																			
ASME Y14.5		angular		0°		±2°				cat. no.		-		Product - Customer Drw		sheet 4 of 8							

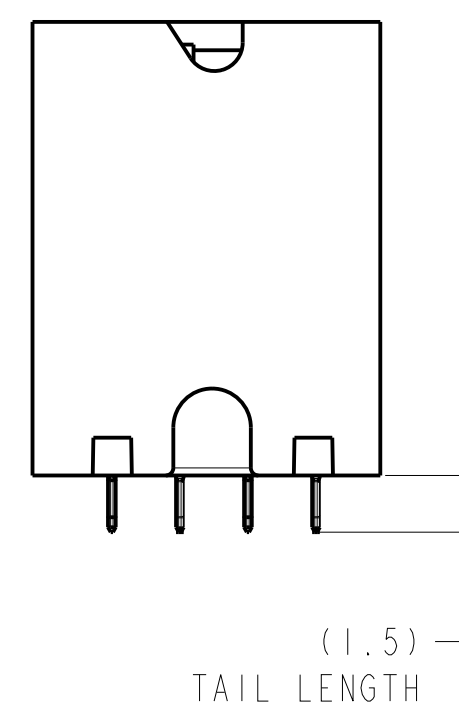
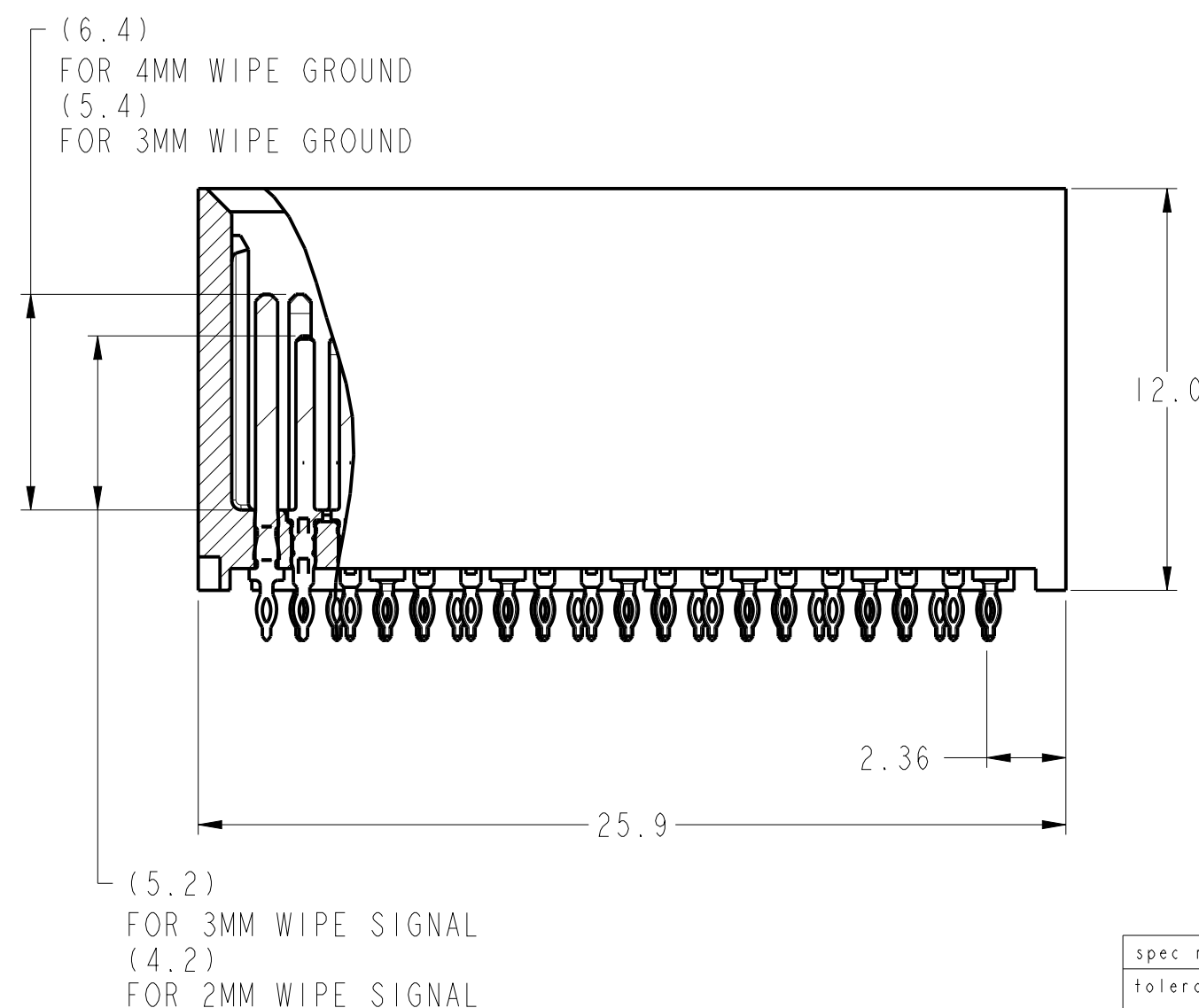
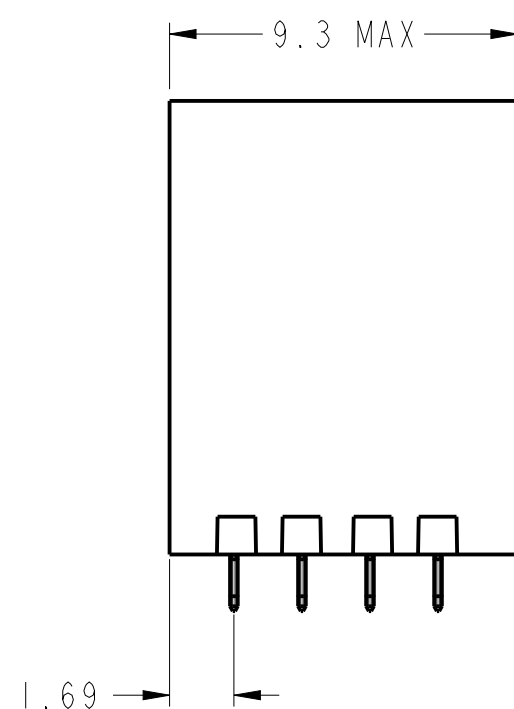


FOUR WALL MODULE

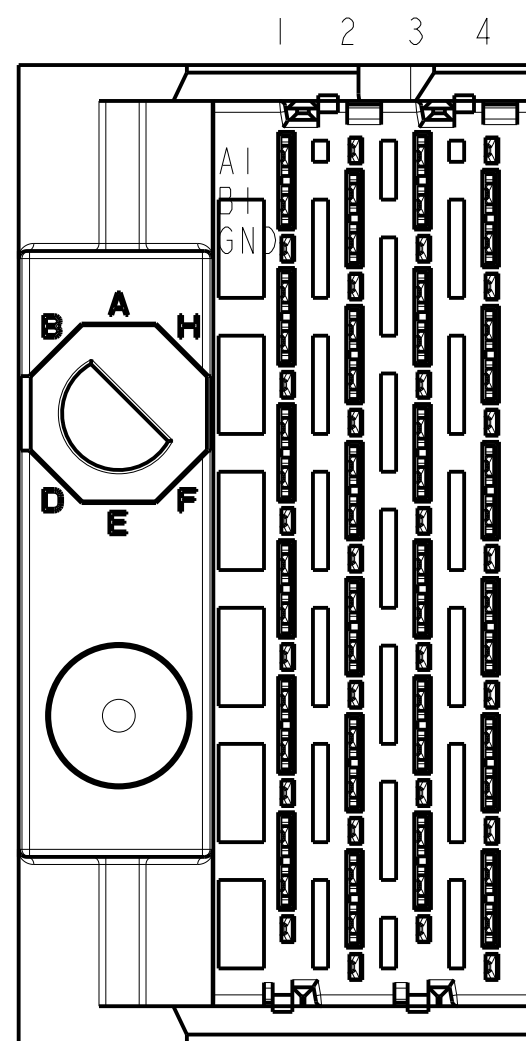


SEE DETAIL A
ON SHEET 8 FOR PINOUT DETAILS

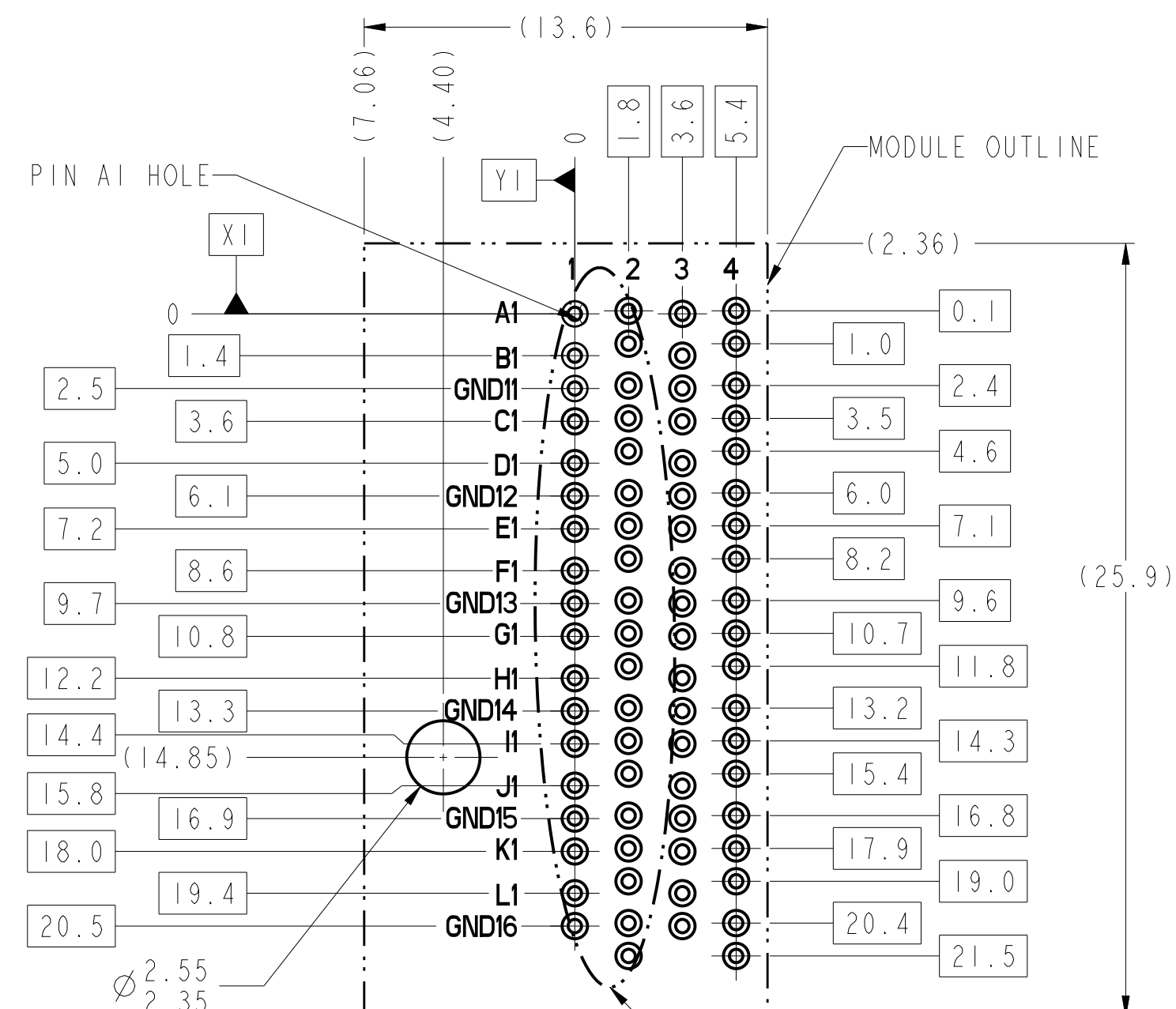
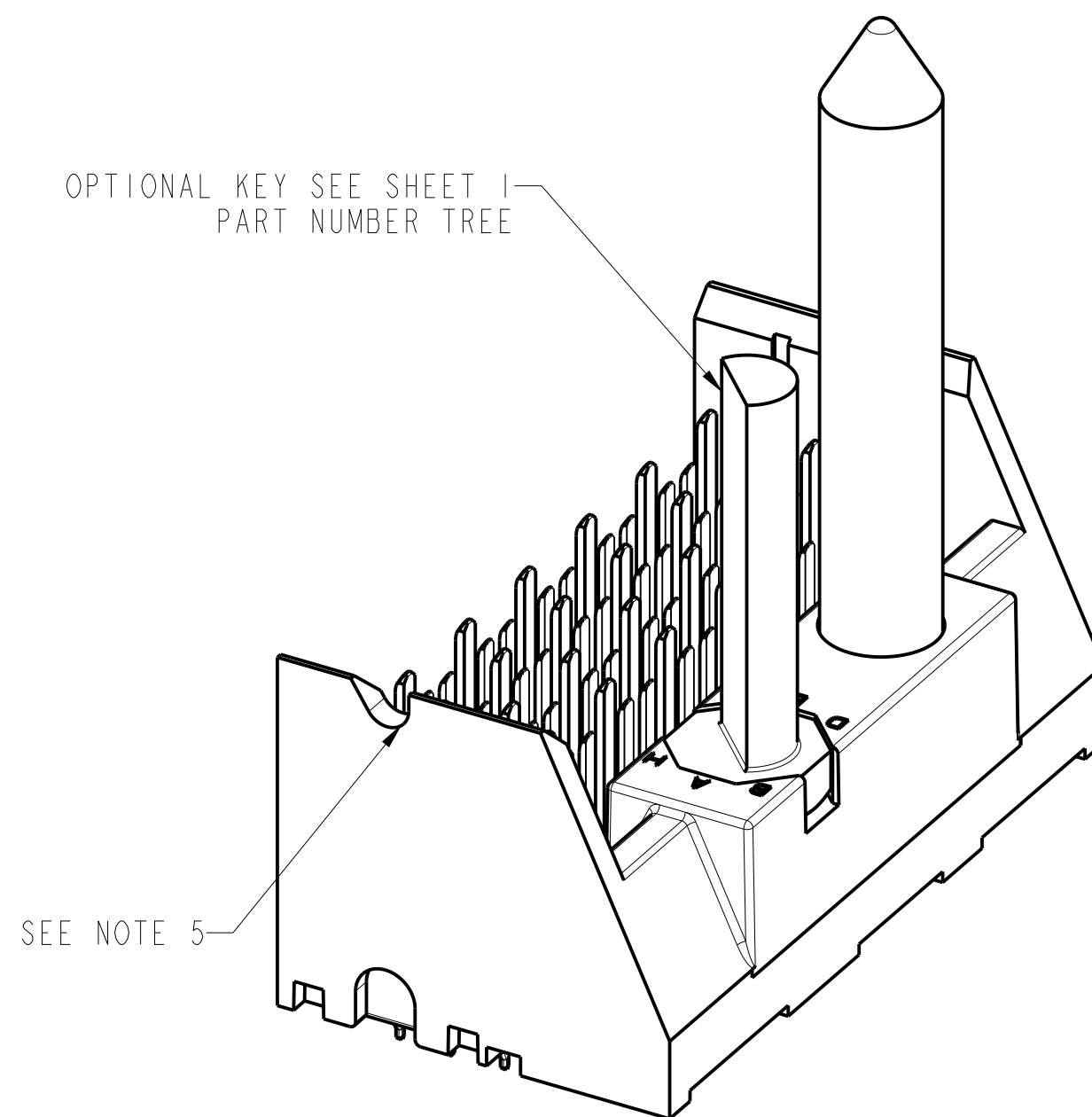
BP HOLE PATTERN COMPONENT SIDE
FOUR WALL MODULE BACKPLANE FOOTPRINT



spec ref		-		dr		Sander Soe		2014/09/16		projection				MM		size		A2		scale		5:1	
tolerance std		-		eng		Michael Song		2016/07/27						ecn no		-		rel level		Released			
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Heaven Cen		2016/07/27															
				appr		Pei-Ming Zheng		2016/07/27															
surface		linear		0.X		±0.3		Amphenol FCI		title		MODULE ASSEMBLY, XCEDE HD		dwg no		10130105		rev		A			
		0.XX		±0.10																			
ASME Y14.5		0.XXX		±0.05																			
		angular		0°		±2°				cat. no.		-		Product - Customer Drw		sheet 5 of 8							



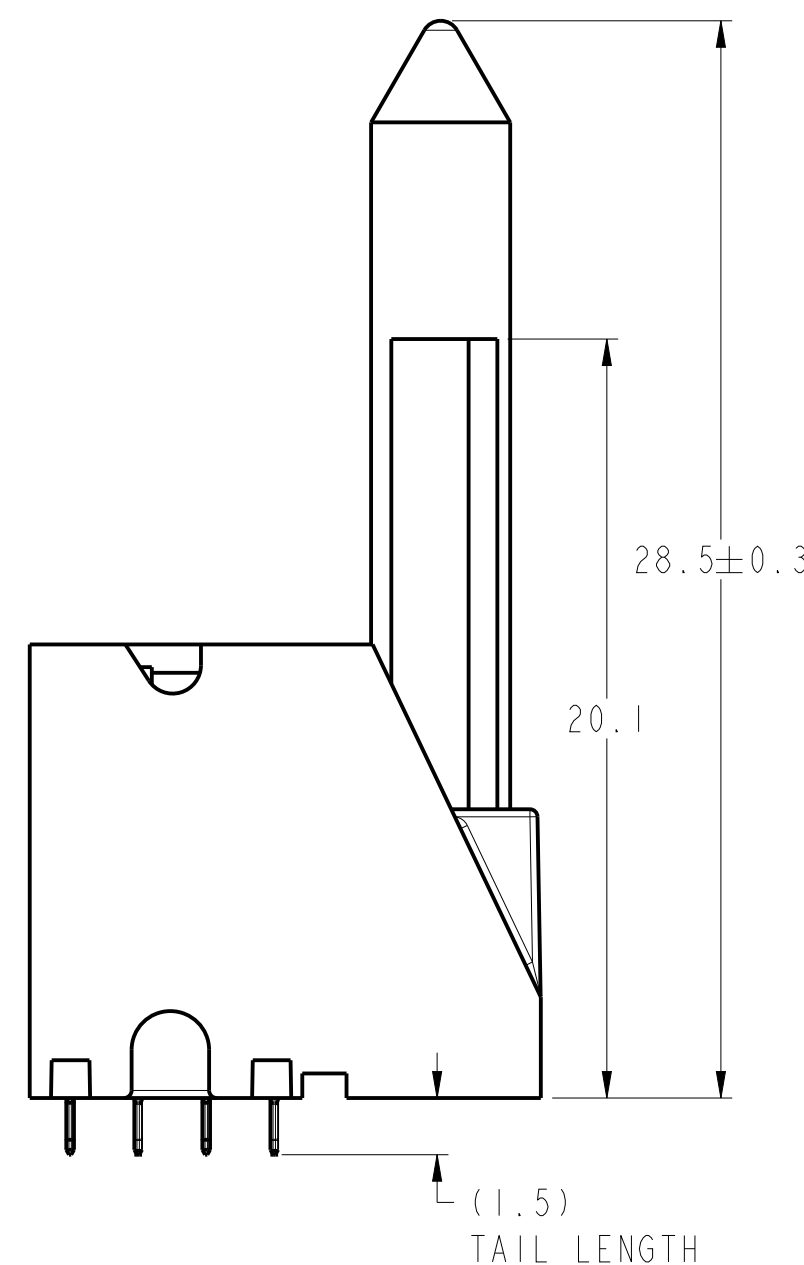
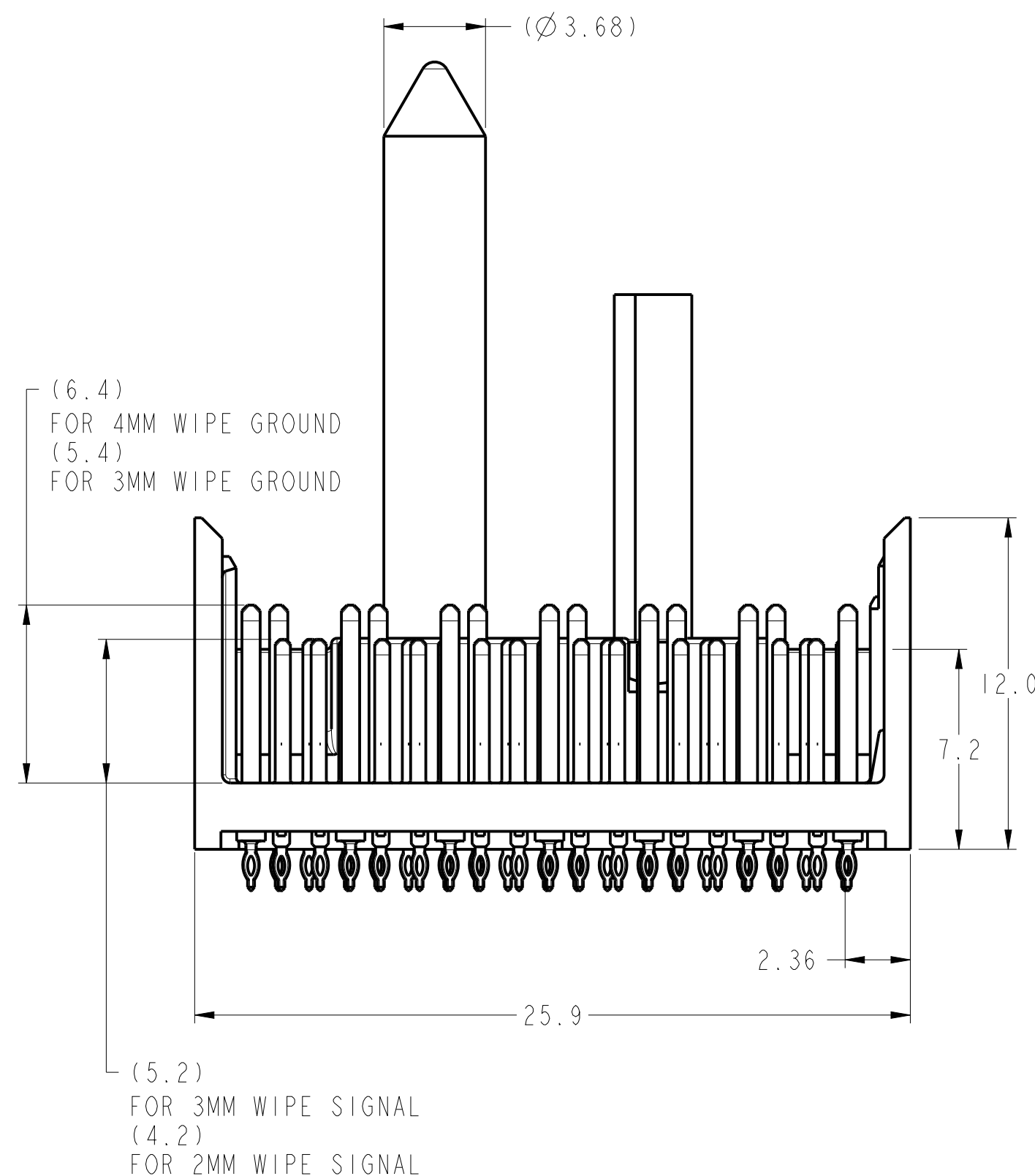
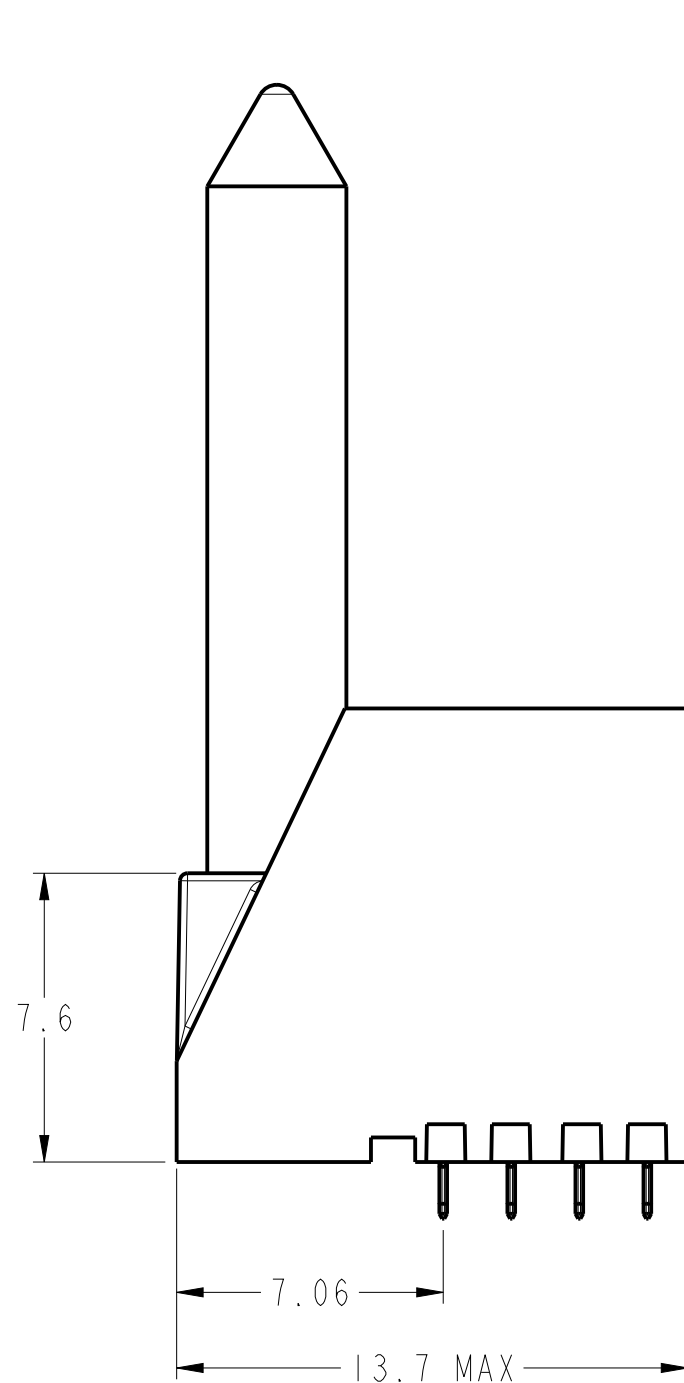
LEFT POLARIZING / GUIDE MODULE



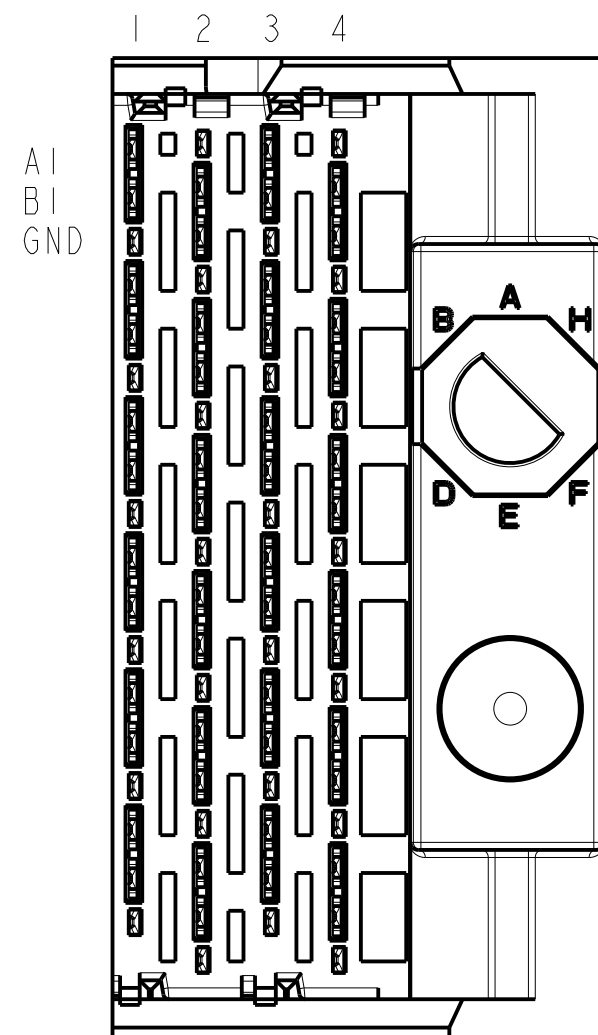
SEE NOTE 10 & TABLE 1

SEE DETAIL A ON SHEET 8 FOR PINOUT DETAILS

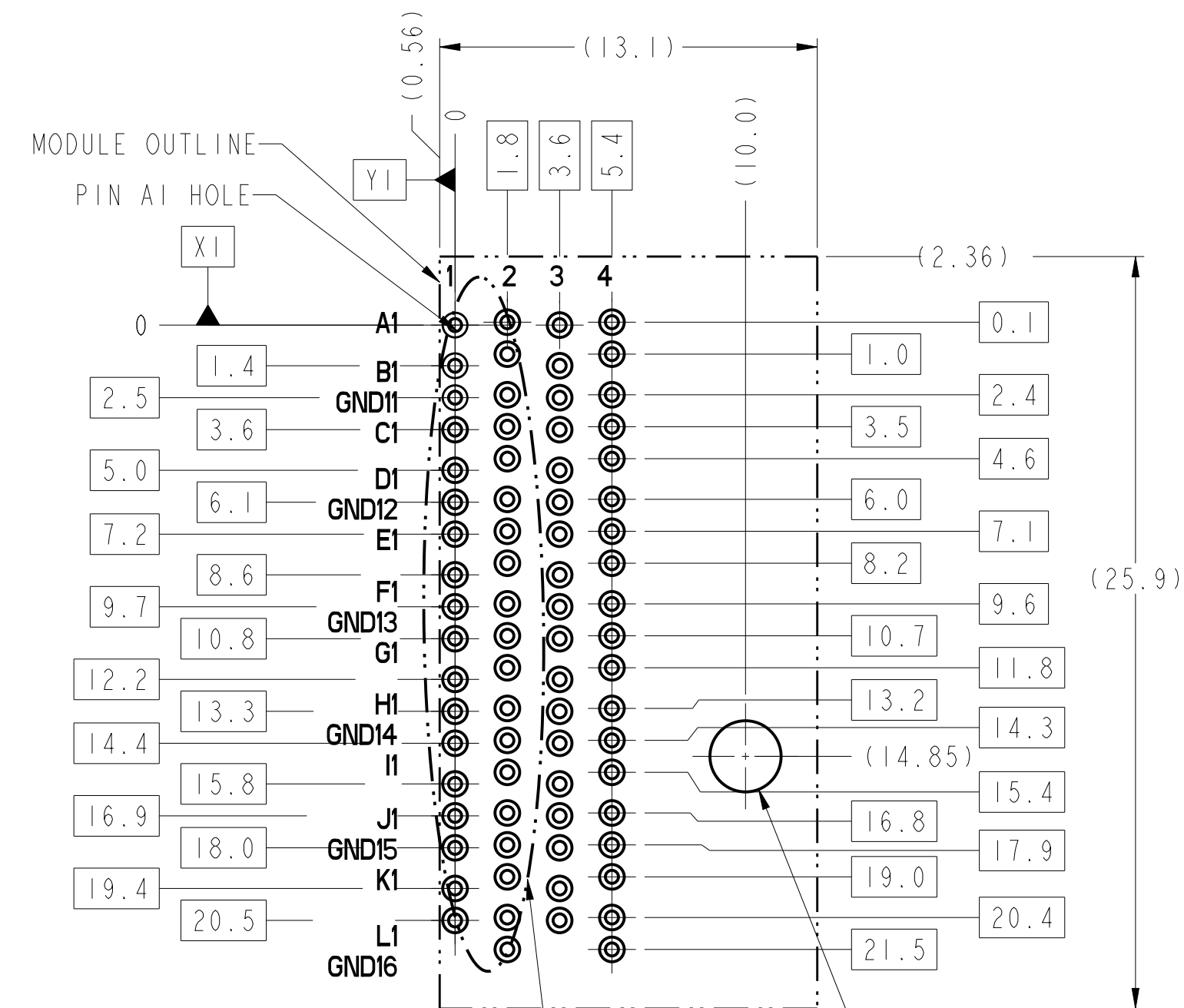
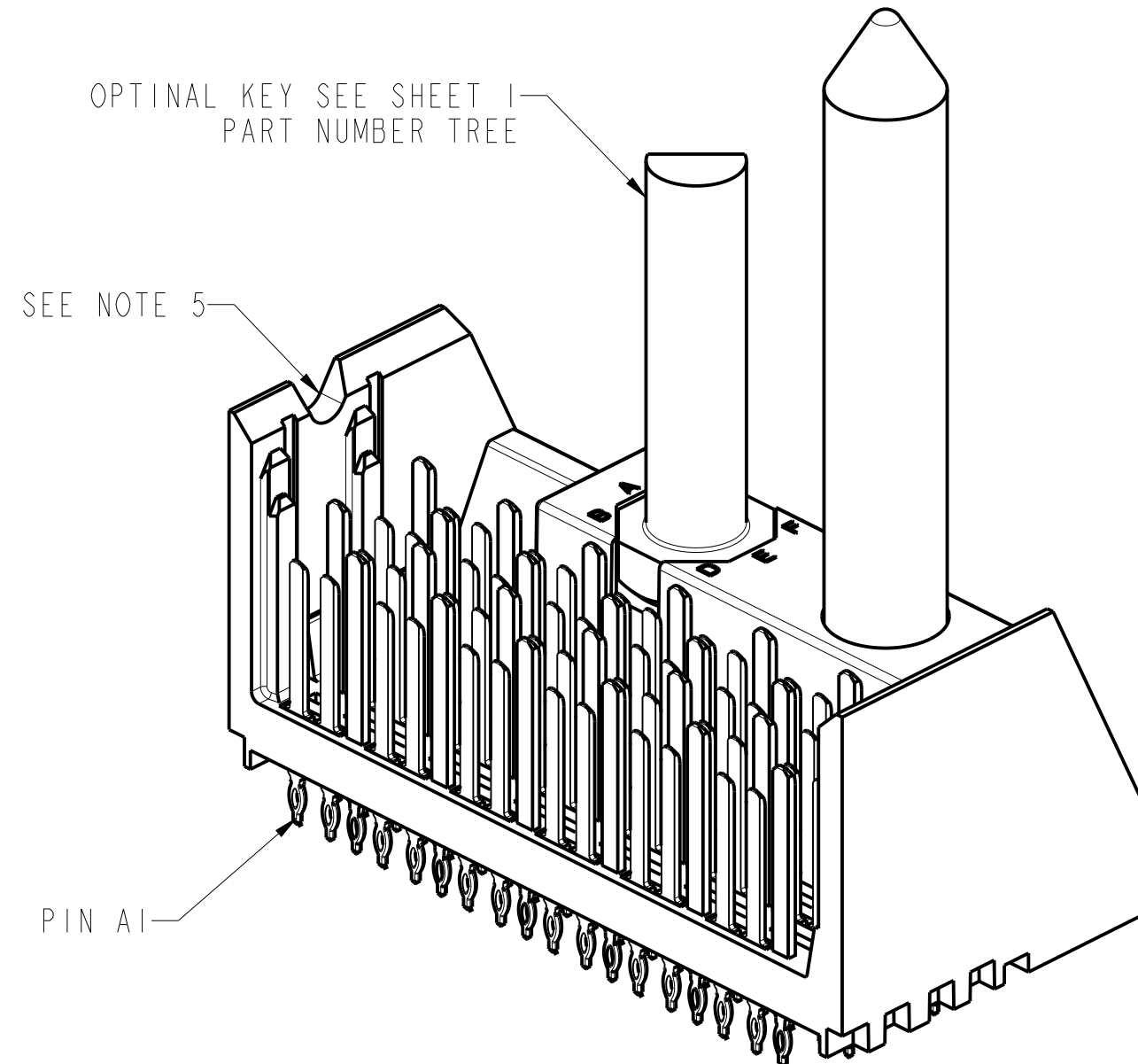
BP HOLE PATTERN COMPONENT SIDE
LEFT POLARIZING GUIDE MODULE
BACKPLANE FOOTPRINT



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tolerance std	-	eng	Michael Song	2016/07/27				ecn no	-		
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	Heaven Cen	2016/07/27	product family	XCEDE HD	rel level	Released			
		appr	Pei-Ming Zheng	2016/07/27							
surface	linear	0.X	±0.3	Amphenol FCI	title	MODULE ASSEMBLY, XCEDE HD	dwg no	10130105	rev	A	
		0.XX	±0.10								
		0.XXX	±0.05								
ASME Y14.5	angular	0°	±2°		cat. no.	-	Product - Customer Drw		sheet 6 of 8		



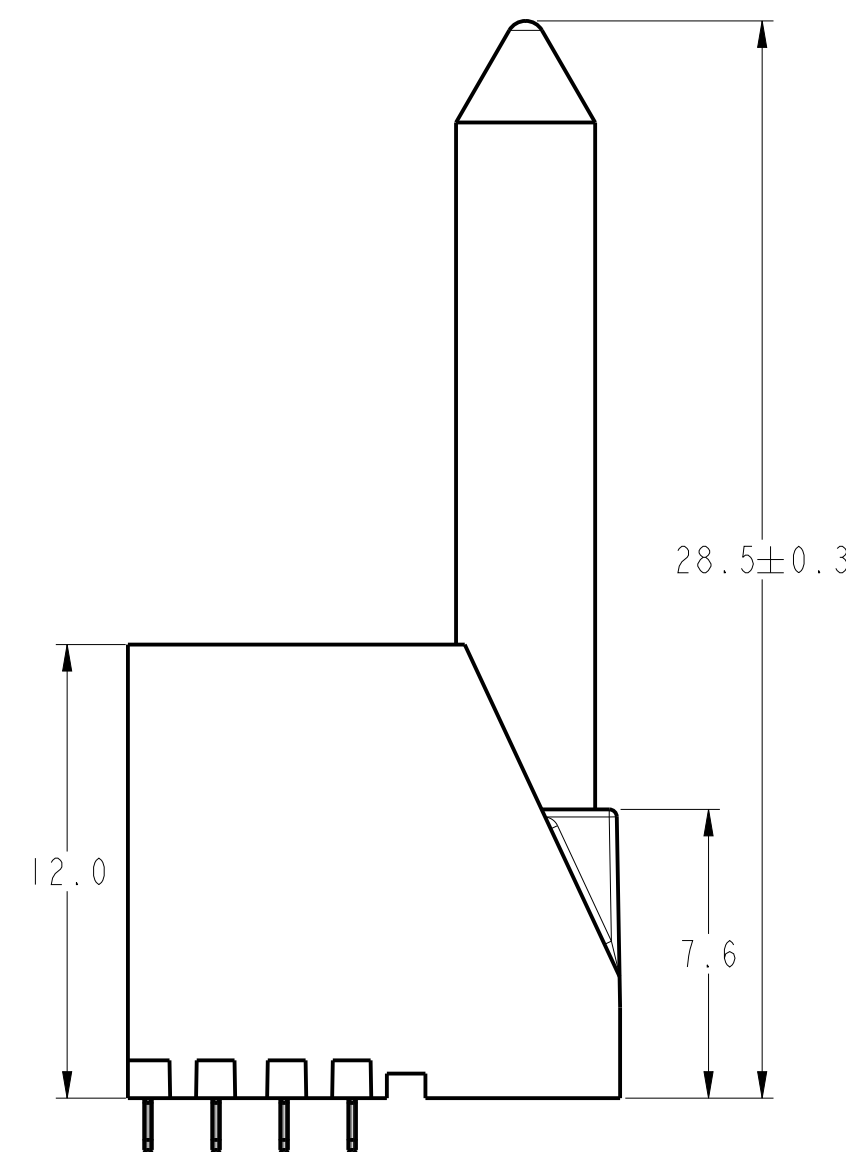
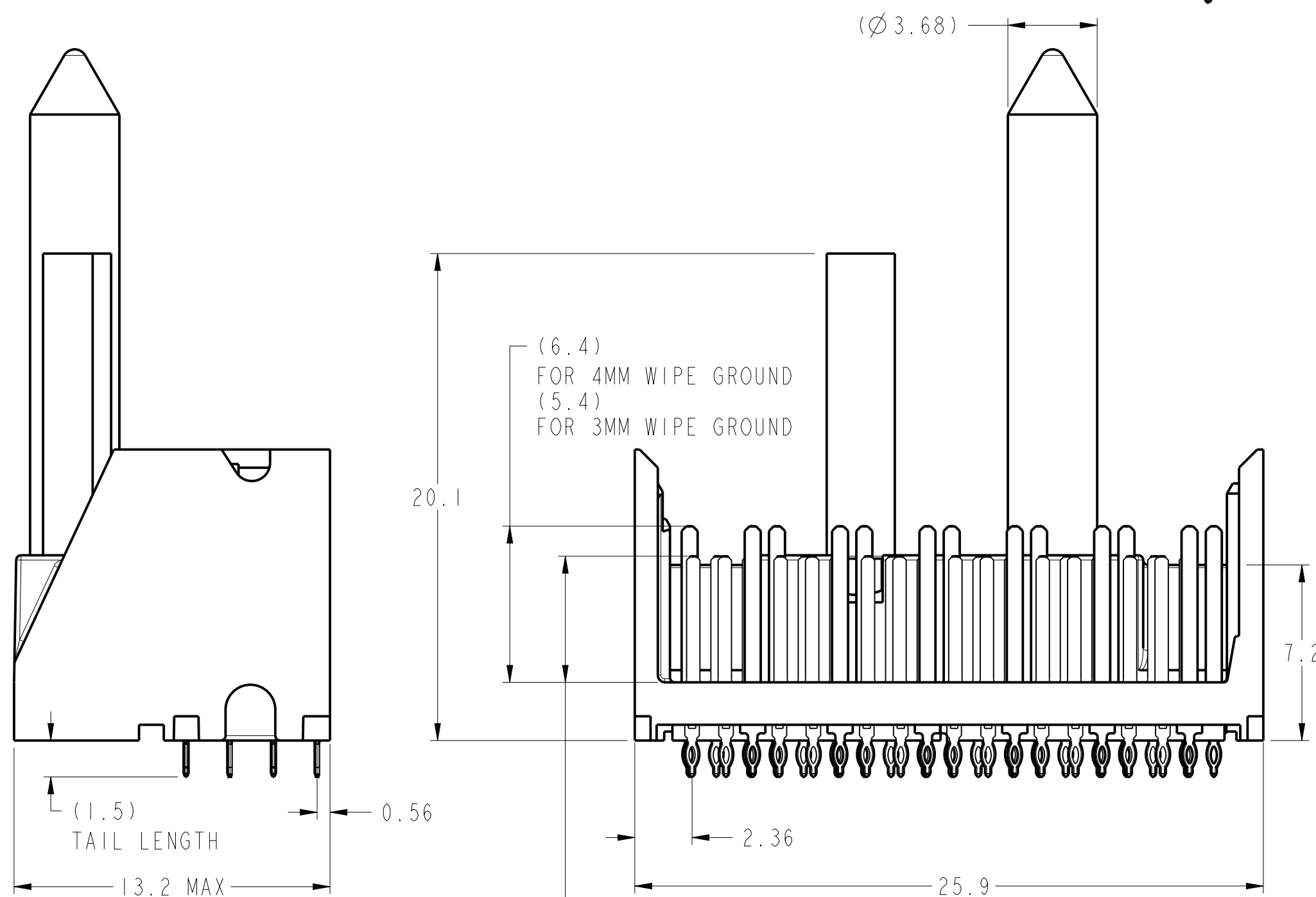
RIGHT POLARIZING GUIDE MODULE



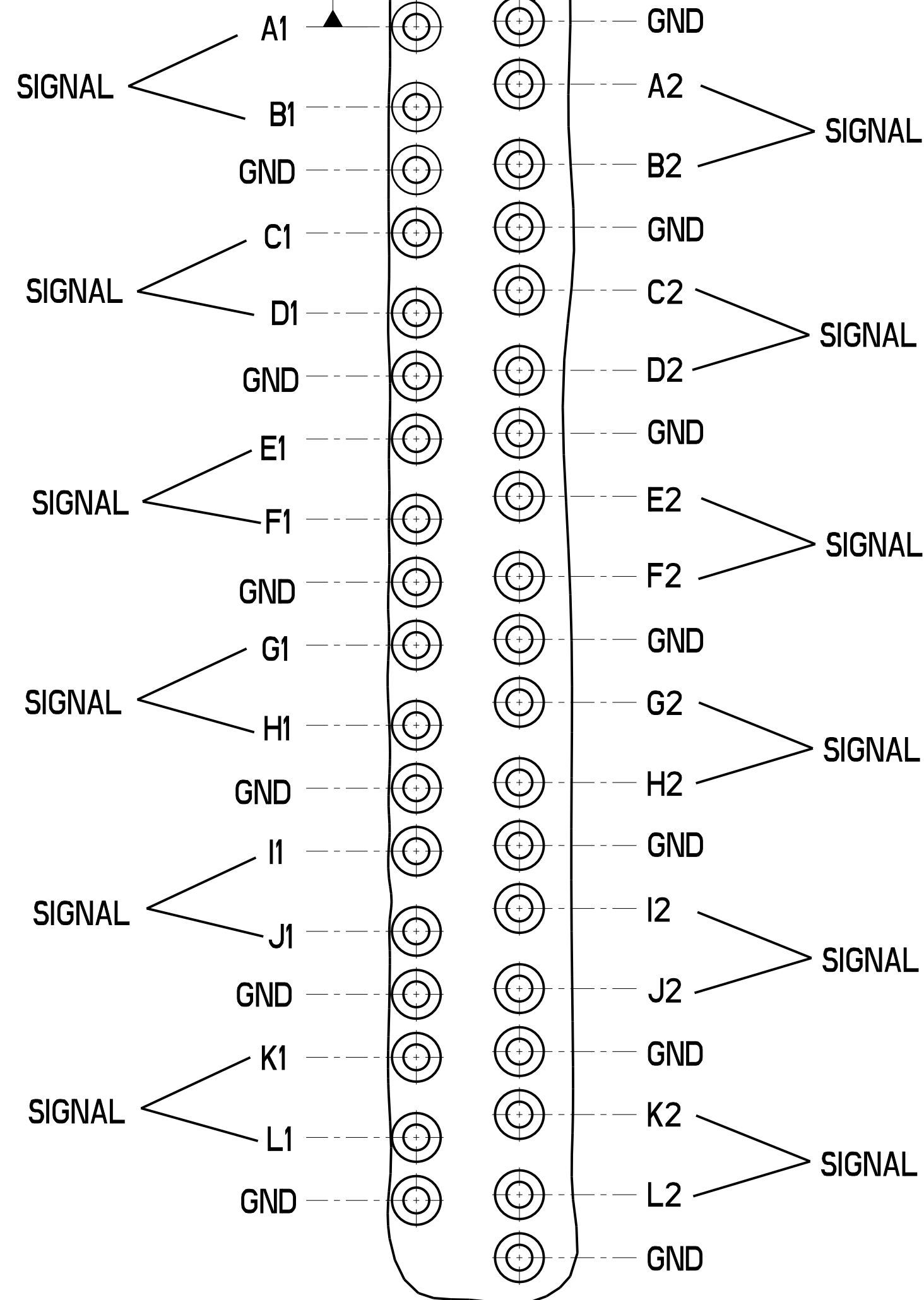
SEE NOTE 10 & TABLE 1

SEE DETAIL A
ON SHEET 8 FOR PINOUT DETAILS

BP HOLE PATTERN COMPONENT SIDE
RIGHT POLARIZING GUIDE MODULE
BACKPLANE FOOTPRINT



spec ref	-	dr	Sander Soe	2014/09/16	projection	MM	size	A2	scale	5:1
tolerance std	ASME Y14.5	eng	Michael Song	2016/07/27	chr	Heaven Cen	2016/07/27	ecn no	-	
surface	✓	appr	Pei-Ming Zheng	2016/07/27	product family	XCEDE HD	rel level	Released		
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	Amphenol FCI	MODULE ASSEMBLY, XCEDE HD		cat. no.	Product - Customer Drw		10130105	rev	A
angular	0° ±2°	VERTICAL HEADER, 6 PAIR 4 COLUMN						sheet 7 of 8		



DETAIL A
SCALE 12:1
PINOUT DETAILS

TABLE 3		
	COMPLIANT PIN DRILL Ø 0.55[0.0217"]	COMPLIANT PIN DRILL Ø 0.45[0.0117"]
PTH	Ø 0.45±0.05	Ø 0.36±0.05
DRILL	Ø 0.55[0.0217"]	Ø 0.45[0.0117"]
PAD	Ø 0.85	Ø 0.75

NOTES:

1. CONNECTOR MATERIALS
SHROUD : HIGH-TEMP POLYMER, COLOR : BLACK, 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-12-0936,
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.

3. PRODUCT SPECIFICATION : GS-12-0936

4. APPLICATION SPECIFICATION : GS-20-0348

5. NOTCH DESIGNATES "ROW A" SIDE OF CONNECTOR. NOTCH FEATURE ON OPPOSITE FOR PRODUCT MARKING.

6. PRODUCT MARKING :
PART NUMBER (10130105-X0J-XXXLF)
"FCI" AND DATE CODE (FCI P#####)

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. OPTIONAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE-PIN SUPPORT.
SEE TABLE 1 SHEET 1 FOR ADDITIONAL DETAILS.

11. SCREW IS OPTIONAL AND ENGAGES WITH BOTTOM OF GUIDE PIN FROM BENEATH THE PCB FOR ADDITIONAL GUIDE-PIN SUPPORT.

spec ref		-	dr		Sandar Soe	2014/05/16	projection		MM		size	A2	scale	3:1	
tolerance std		-	eng		Michael Song	2016/07/27					ecn no	-	rel level		Released
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED	chr		Heaven Cen	2016/07/27					product family				
appr		Pei-Ming Zheng	2016/07/27												
surface		linear	0.X	±0.3	Amphenol FCI	MODULE ASSEMBLY, XCEDE HD	dwg no	10130105	rev	A					
ASME Y14.5			0.XX	±0.10							cat. no.	-	Product - Customer Drw	sheet 8 of 8	
		angular	0°	±0.05											
			0.XXX	±0.05	VERTICAL HEADER, 6 PAIR 4 COLUMN										

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

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