

10119130 - X0C - XXXLF

6-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)	1 (ONE)										

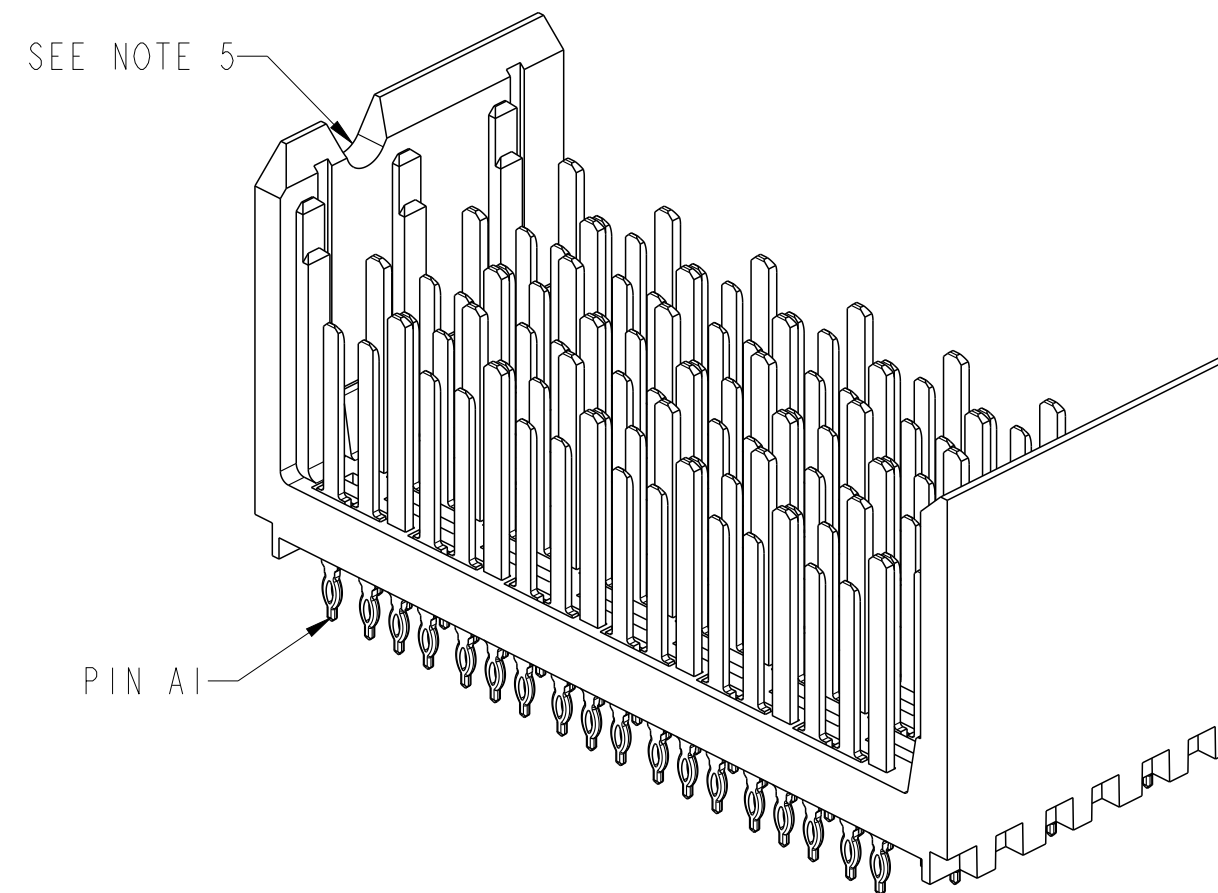
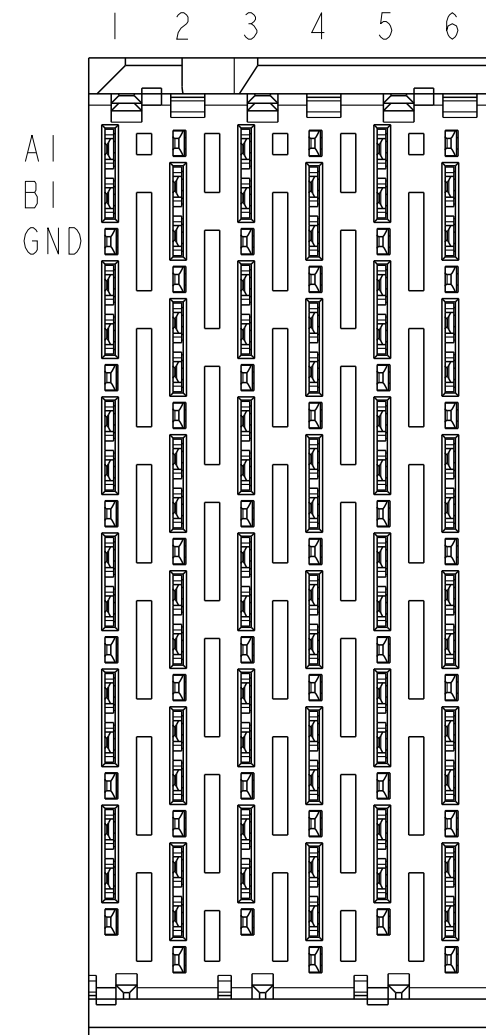
NUMBER	CONTACT MATING WIPE LENGTH		COMPLIANT TAIL TYPE (SEE NOTE 9)
	SIGNAL	GROUND	
1	2 MM	4 MM	0.55 (0.0217") DRILL
2	3 MM	4 MM	0.55 (0.0217") DRILL
3	2 MM	4 MM	0.45 MICRO (0.0177") DRILL
4	3 MM	4 MM	0.45 MICRO (0.0177") DRILL
5	2 MM	3 MM	0.55 (0.0217") DRILL
6	3 MM	3 MM	0.55 (0.0217") DRILL
7	2 MM	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 10119130-XXXX, WHERE: "X" DENOTES MODULE TYPE PER CHART ON THIS SHEET "XXXX" IS A SEQUENTIAL NUMBER BEGINNING WITH "0001".

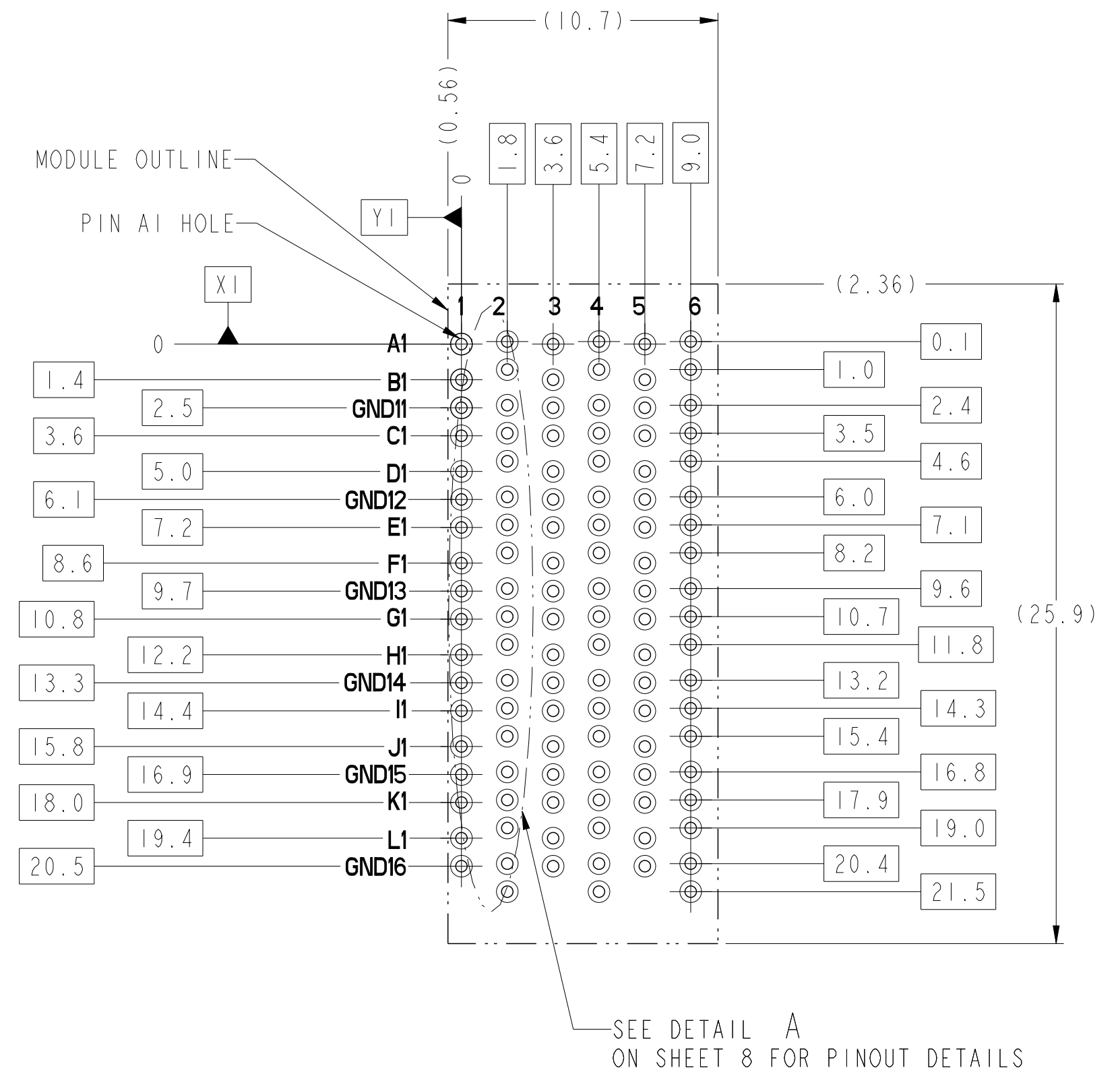
TABLE 1 (SEE NOTE 11)		
	UNGROUND	GROUND
FHS	Ø2.35-Ø2.55	Ø2.35-Ø2.55
PAD	N/A	Ø5.50
PLATED	NO	YES
DRILL(mm)	2.44mm	2.58mm
DRILL(in)	0.096"	0.1015"

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

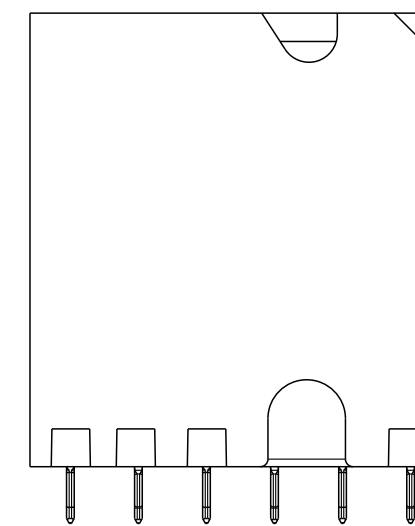
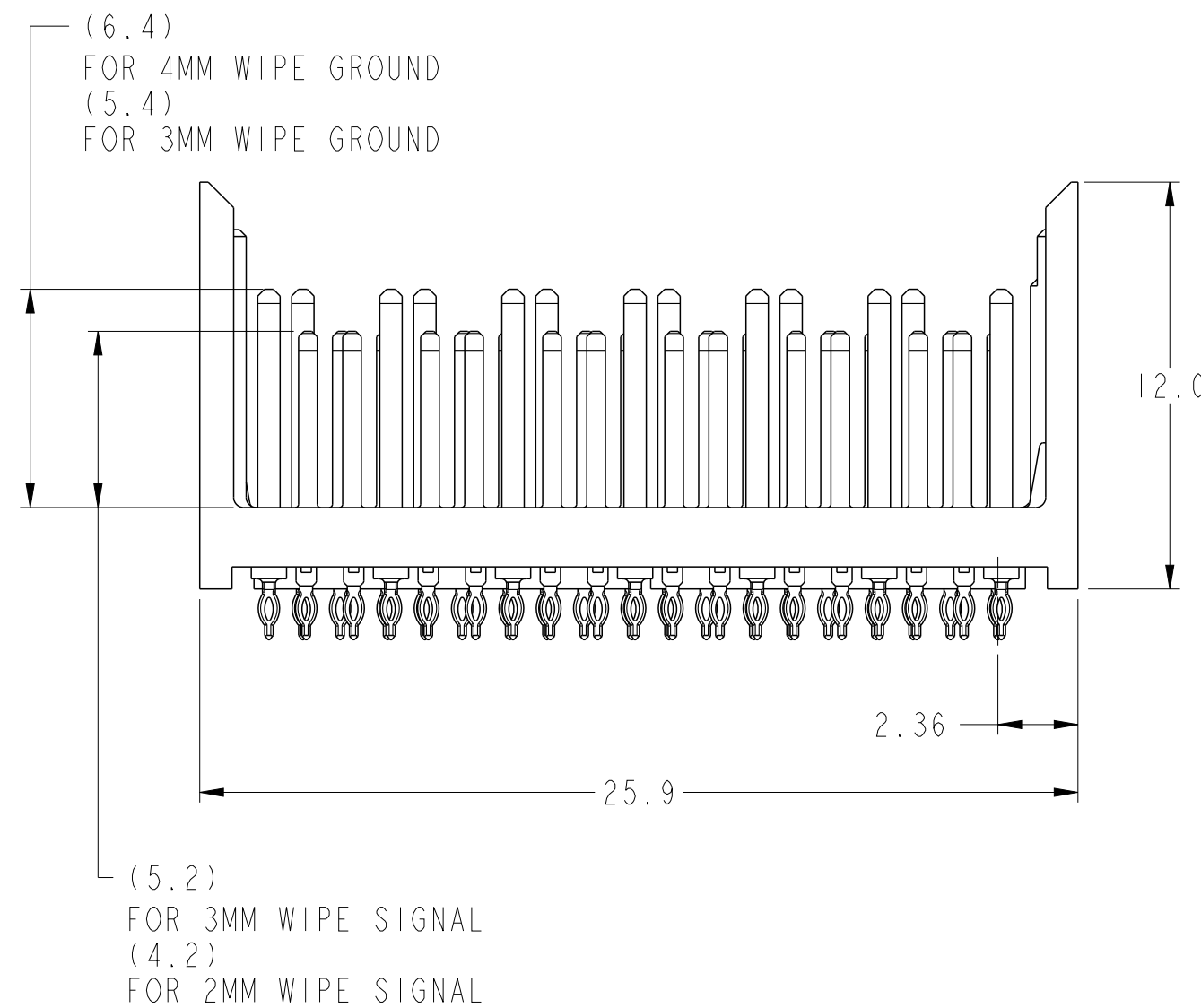
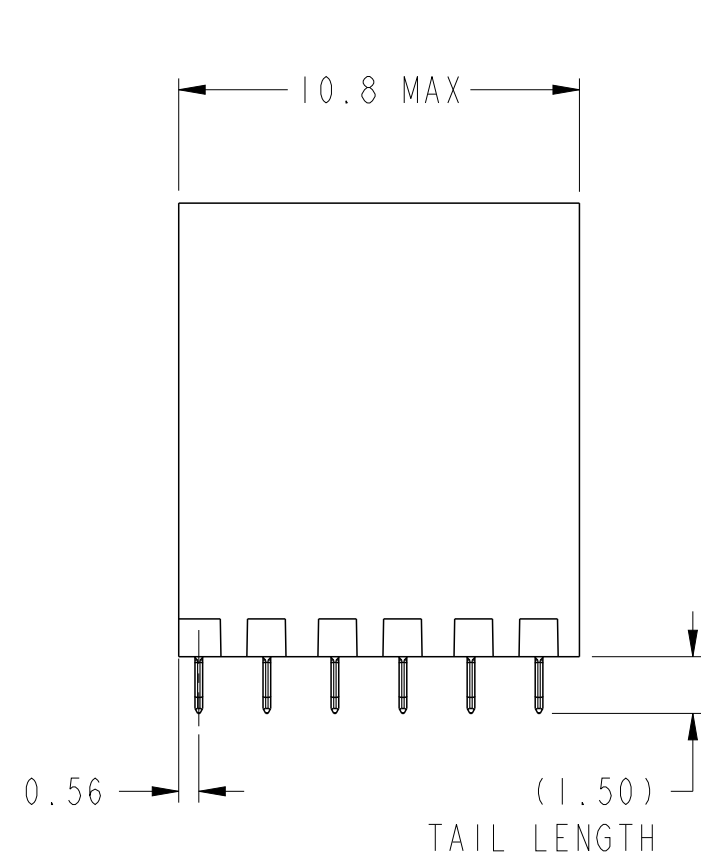
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tolerance std	-	eng	Sandar Soe	2013/03/20		←→	ecn no	ELX-S-14229-1	rel level	Released
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	-						
surface	✓	appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD				
ASME Y14.5	linear 0.X ±0.3 0.XX ±0.10 0.XXX ±0.05 angular 0° ±2°	FCI	title	VERTICAL HEADER ASSEMBLY	cat. no.	-	Product	Customer Drw	sheet 1 of 8	rev B
		www.fci.com								



OPEN WALL MODULE



BP HOLE PATTERN COMPONENT SIDE
OPEN WALL MODULE BACKPLANE FOOTPRINT

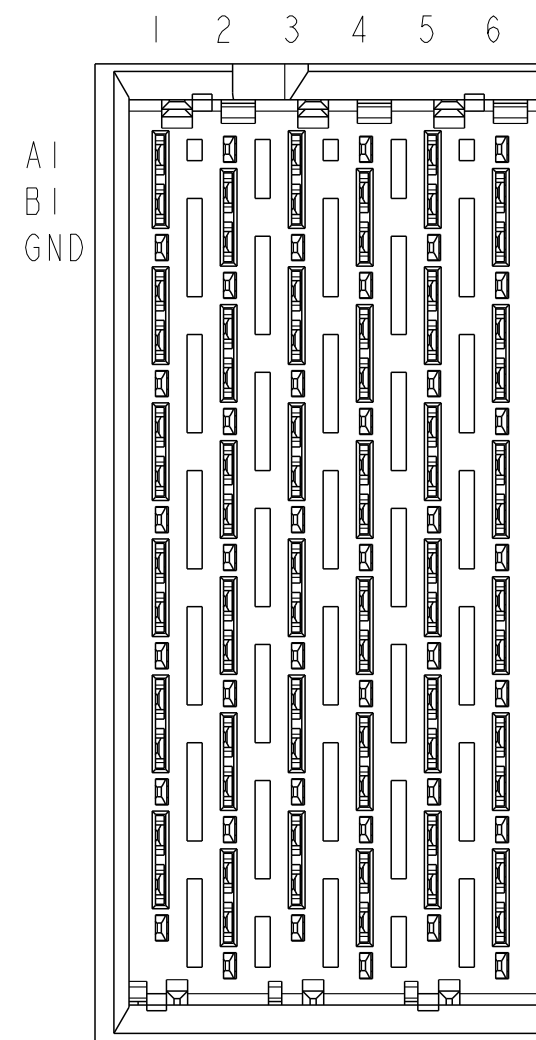


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ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		-															
				appr		Chen-Hong Tan		2013/04/09														product family	
surface		✓		linear		0.X		±0.3		FCI		title		VERTICAL HEADER ASSEMBLY		dwg no		10119130		rev		B	
				0.XX		±0.10		XCEDE HD 6 PAIR, 6 COLUMN															
ASME Y14.5		angular		0°		±2°																	
				www.fci.com		cat. no.		-		Product -		Customer Drw		sheet 2 of 8									

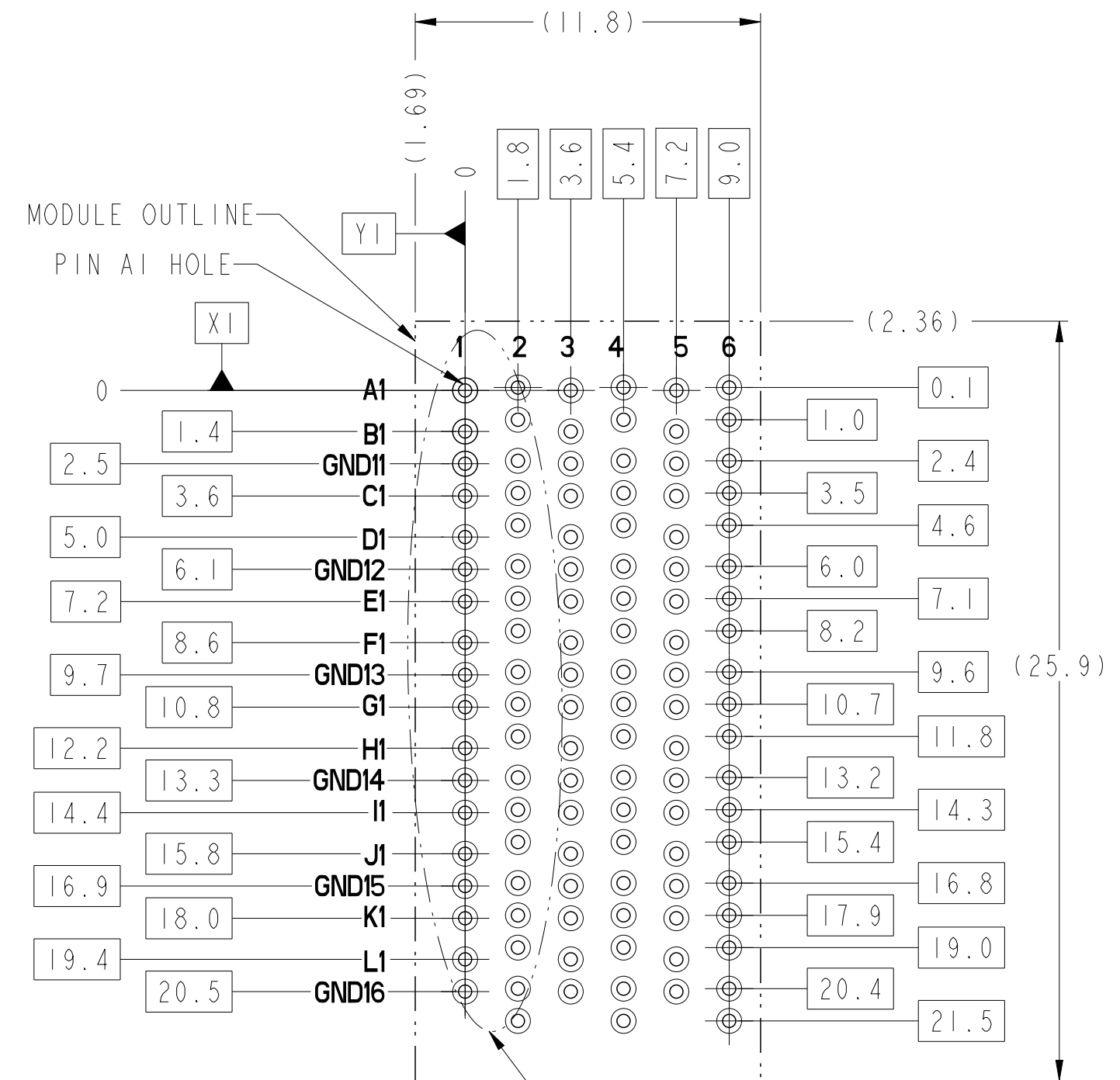
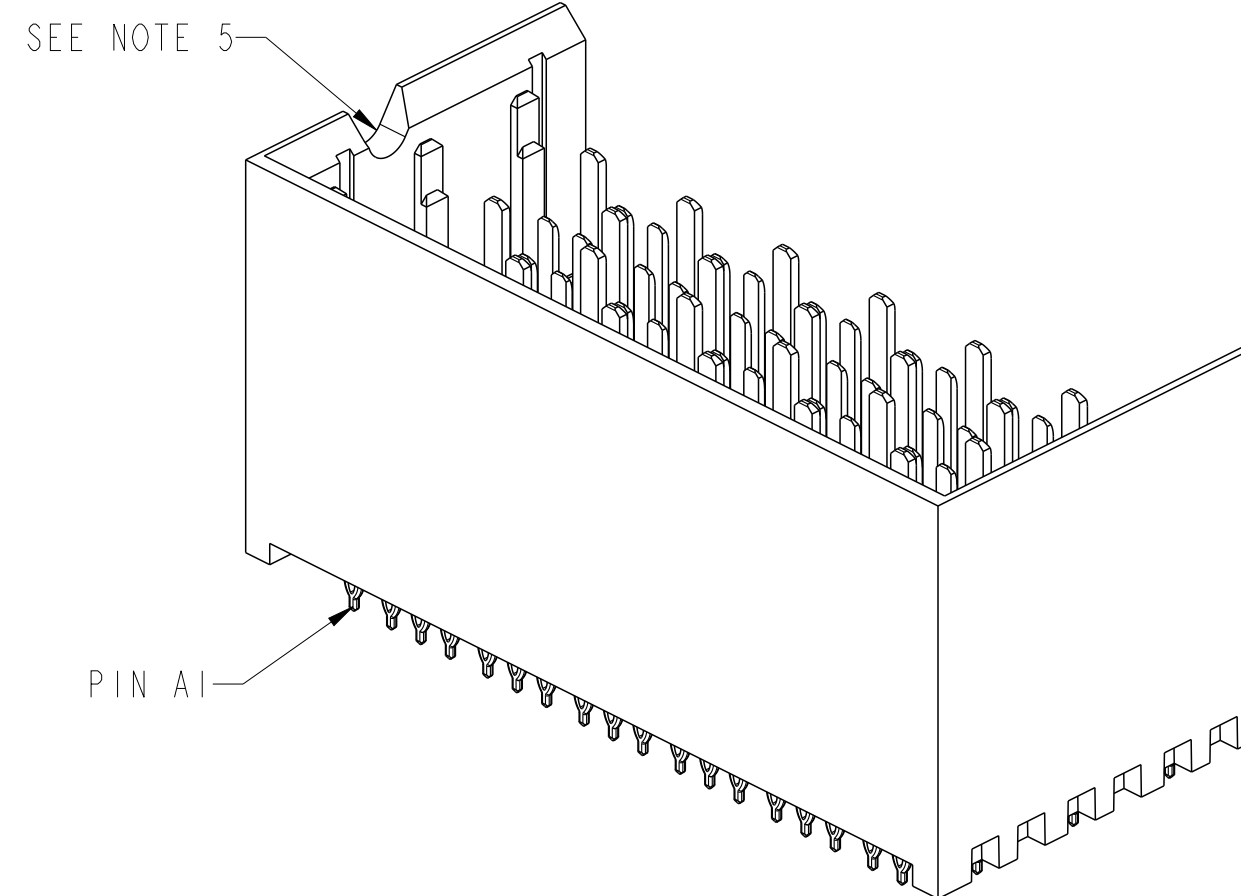
PDS: Rev :B

STATUS:Released

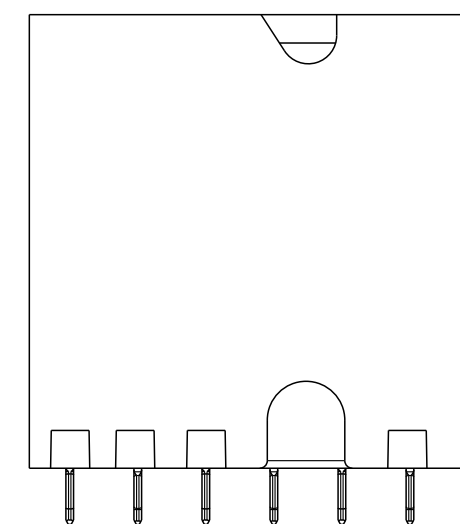
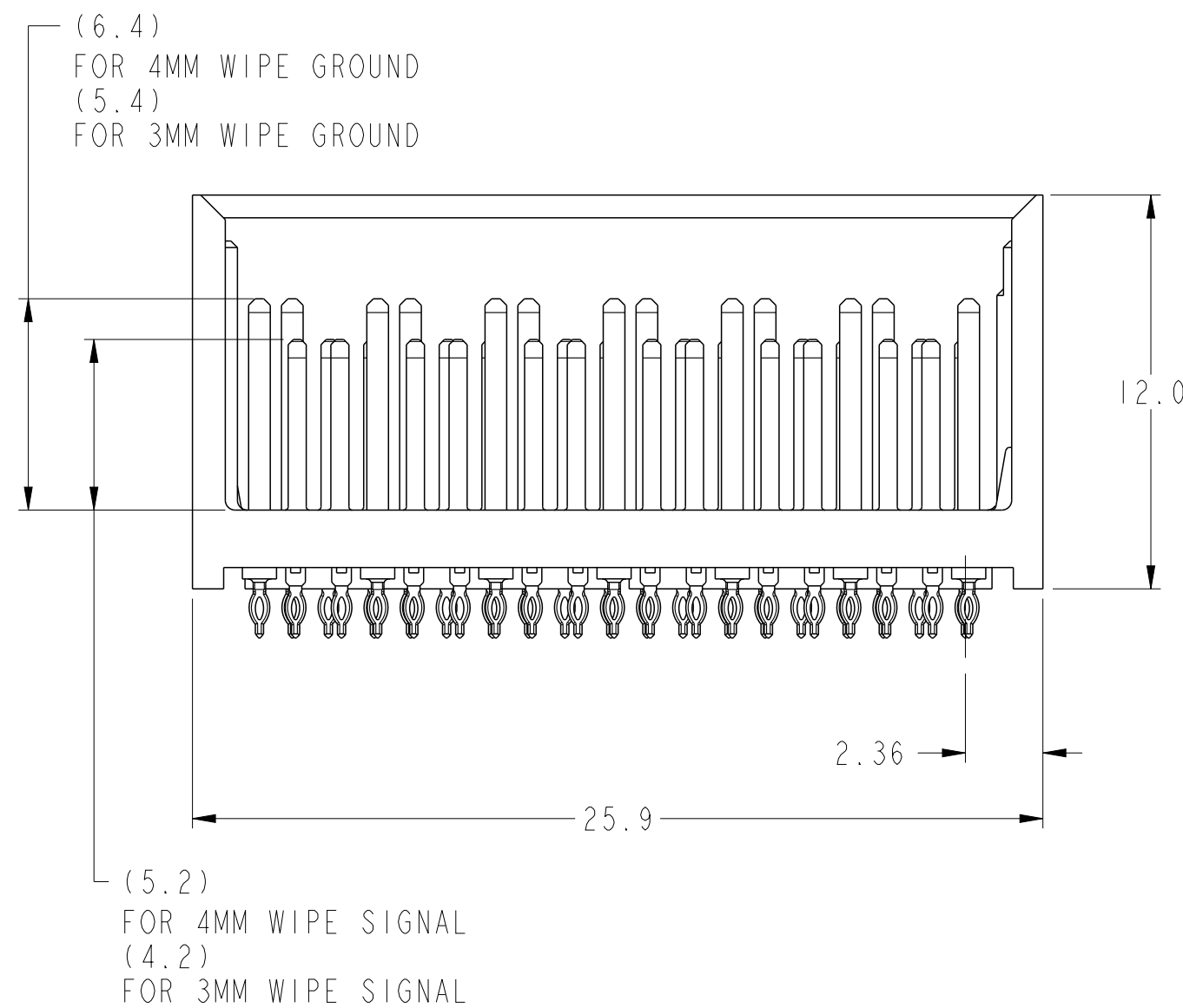
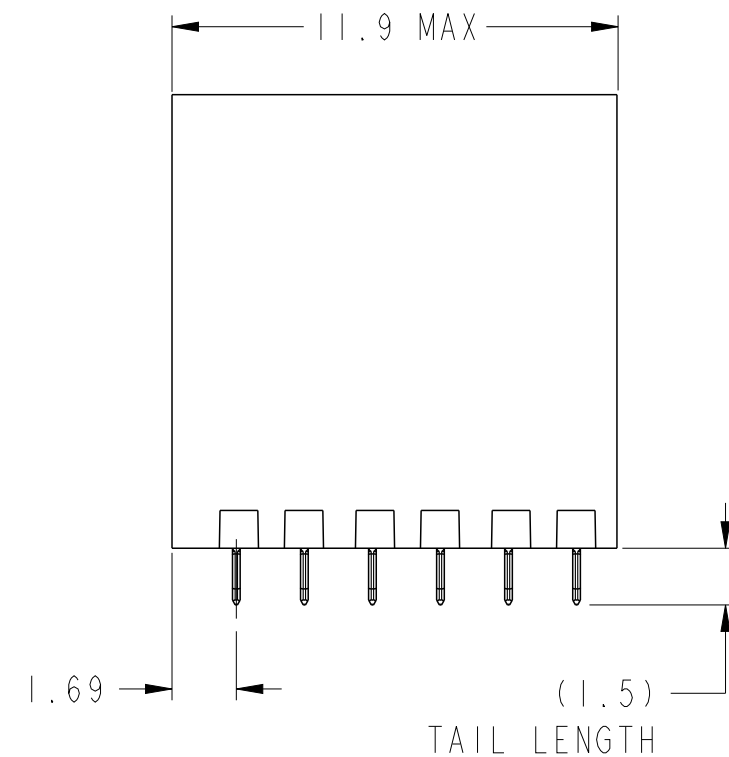
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LEFT WALL MODULE



BP HOLE PATTERN COMPONENT SIDE
LEFT WALL MODULE BACKPLANE FOOTPRINT

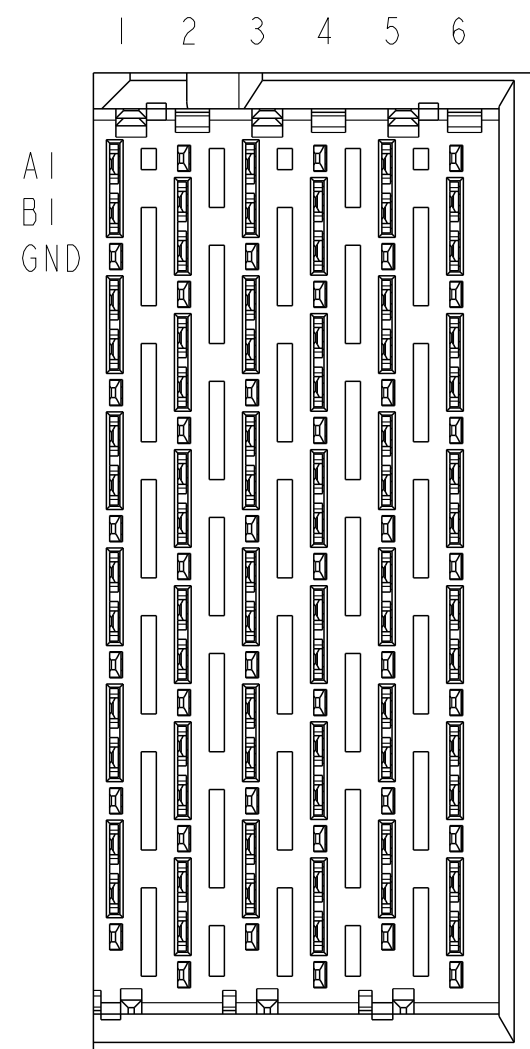


spec ref	-	dr	Marty Glass	2012/02/09	projection	MM	size	A2	scale	5:1
tolerance std	-	eng	Sandar Soe	2013/03/20	chr	-	ecn no	ELX-S-14229-1	rel level	Released
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD	rel level	Released	rev	B
surface	linear	0.X	±0.3	0.XX	±0.10	0.XXX	±0.05	angular	0°	±2°
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 3 of 8		

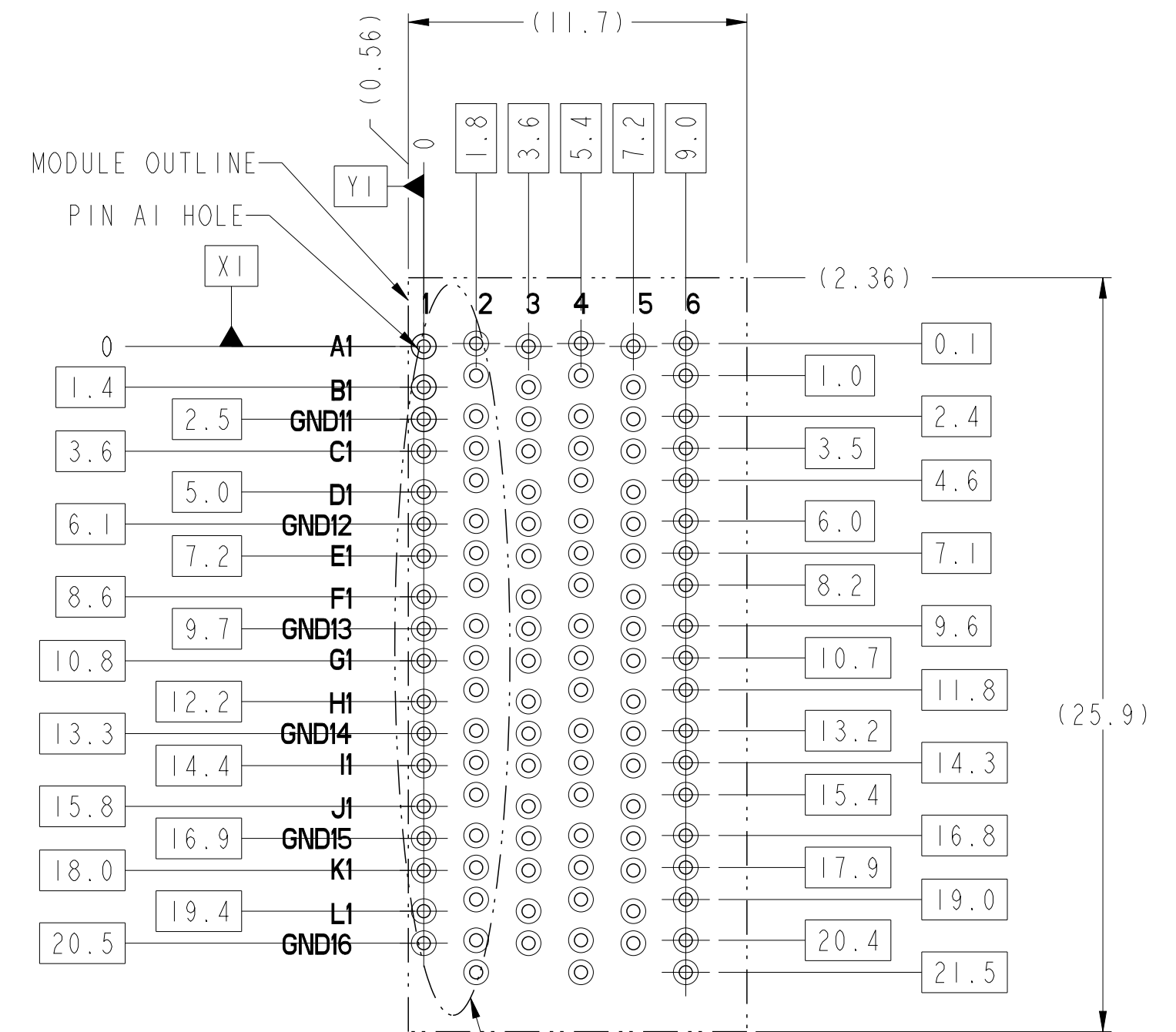
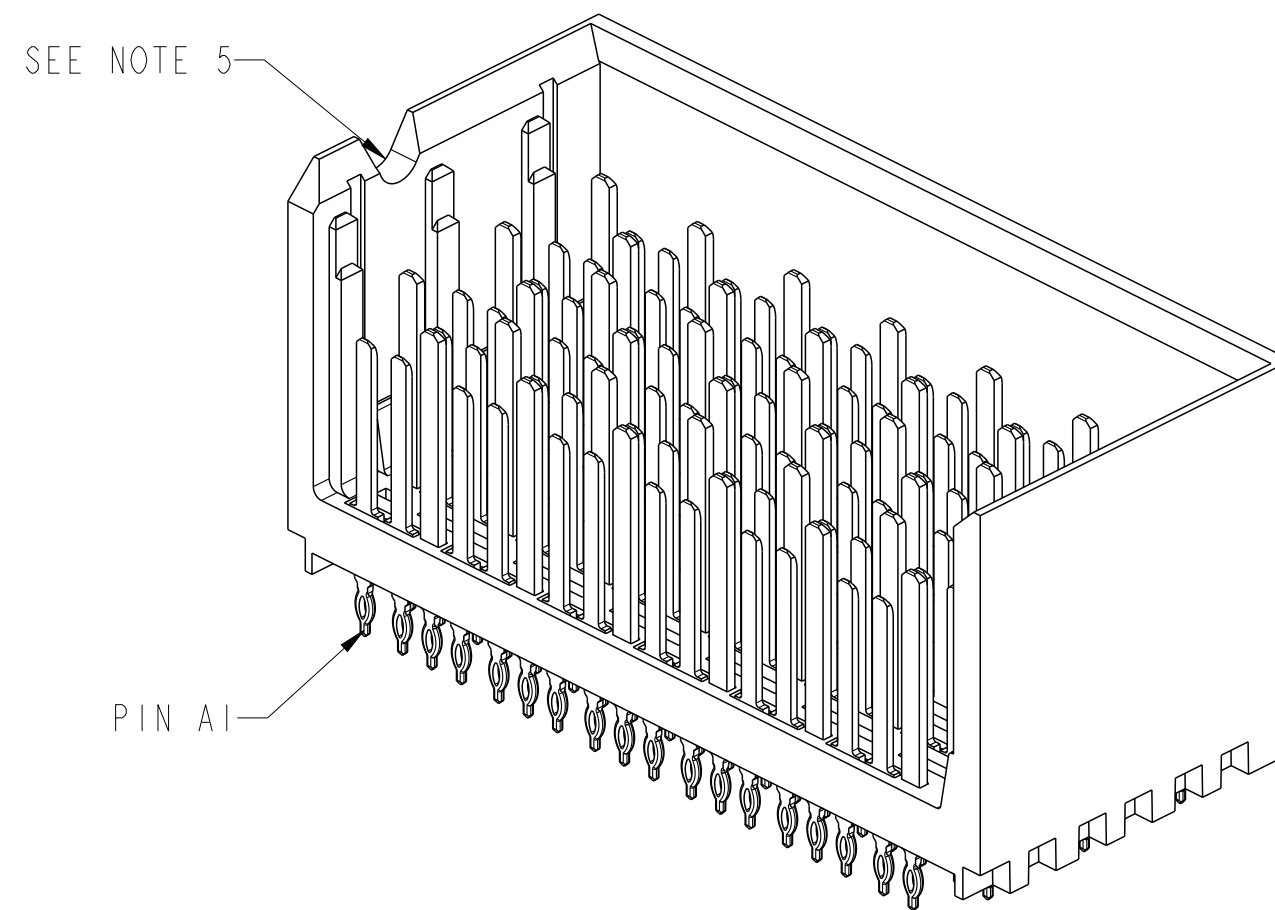
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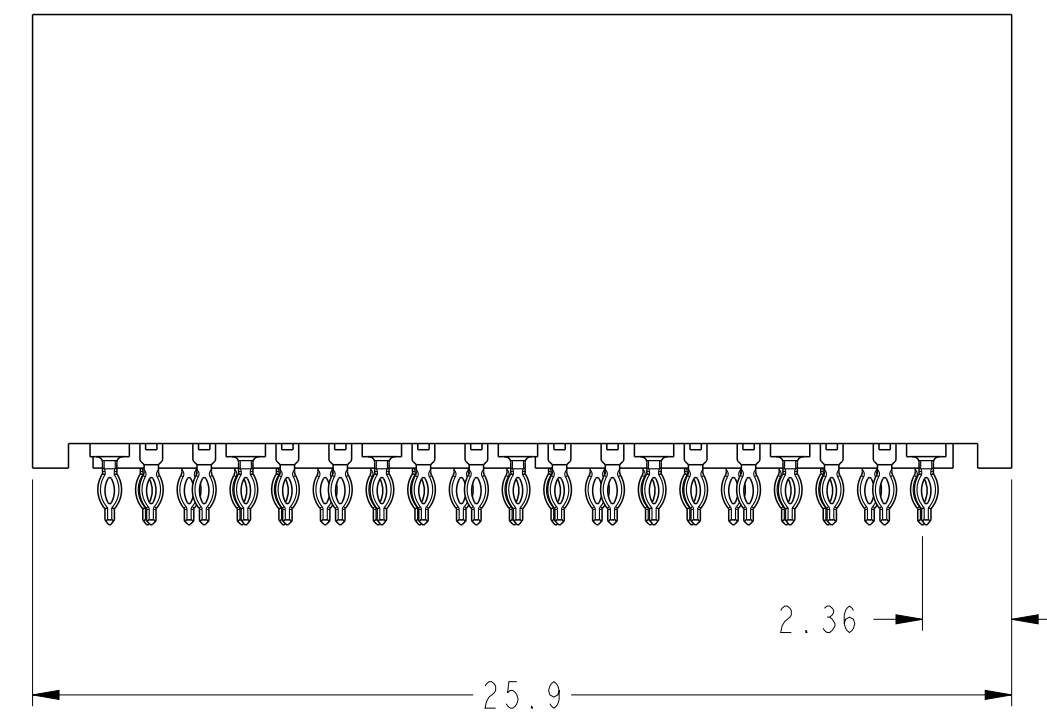
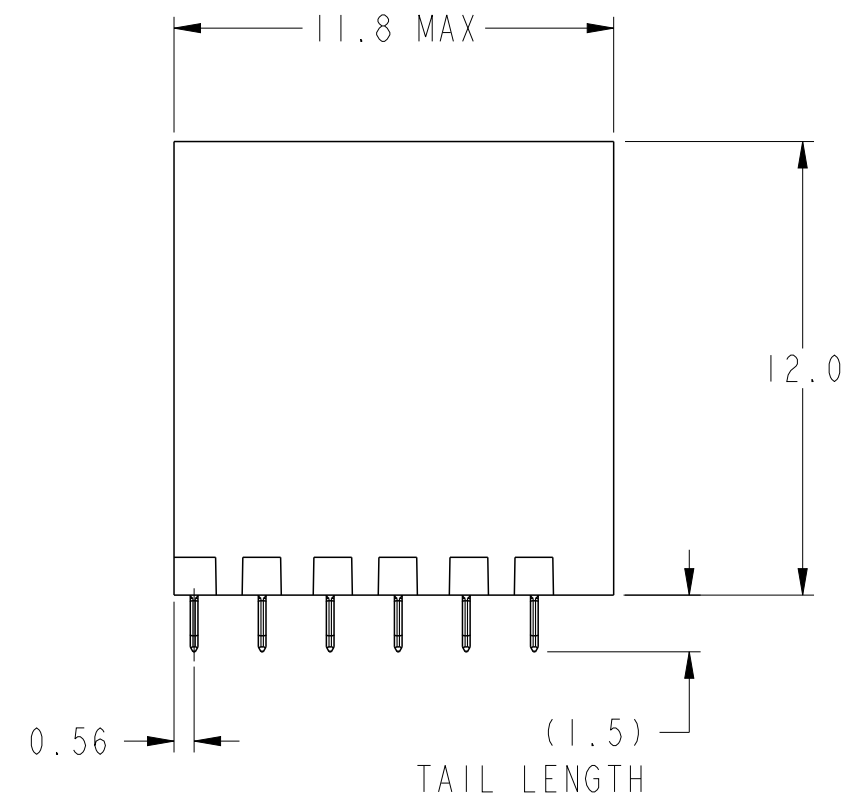
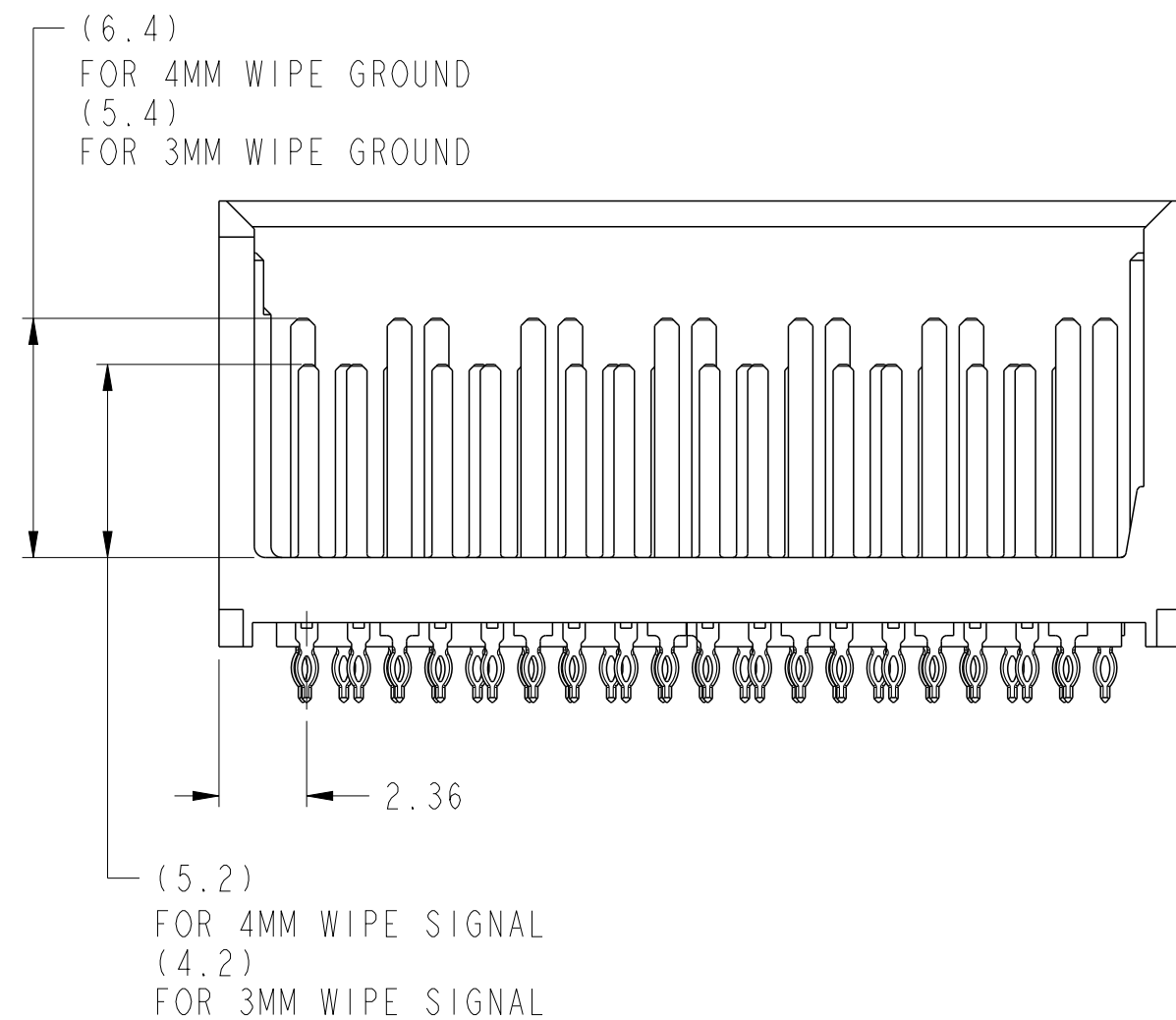
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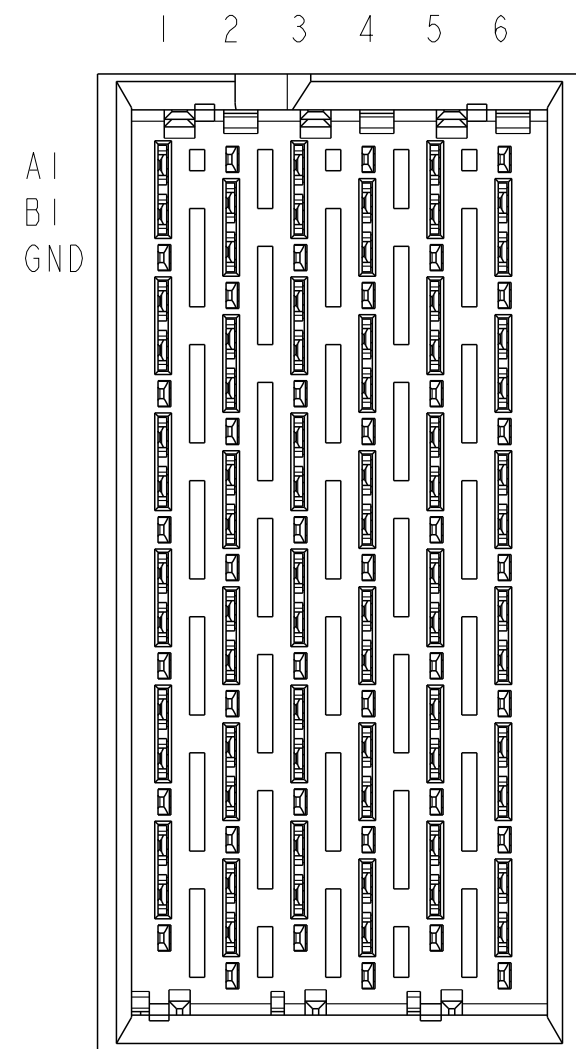
RIGHT WALL MODULE



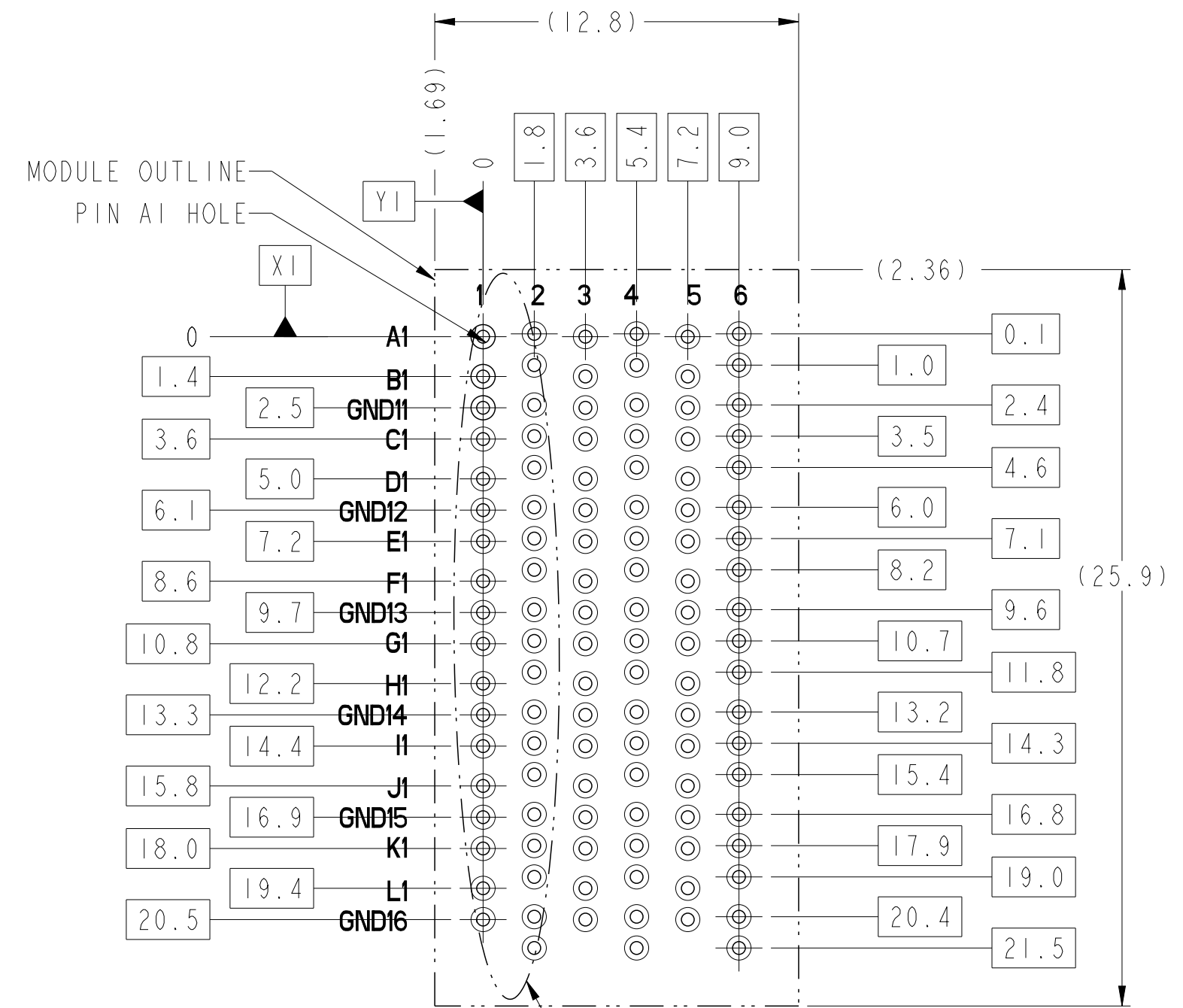
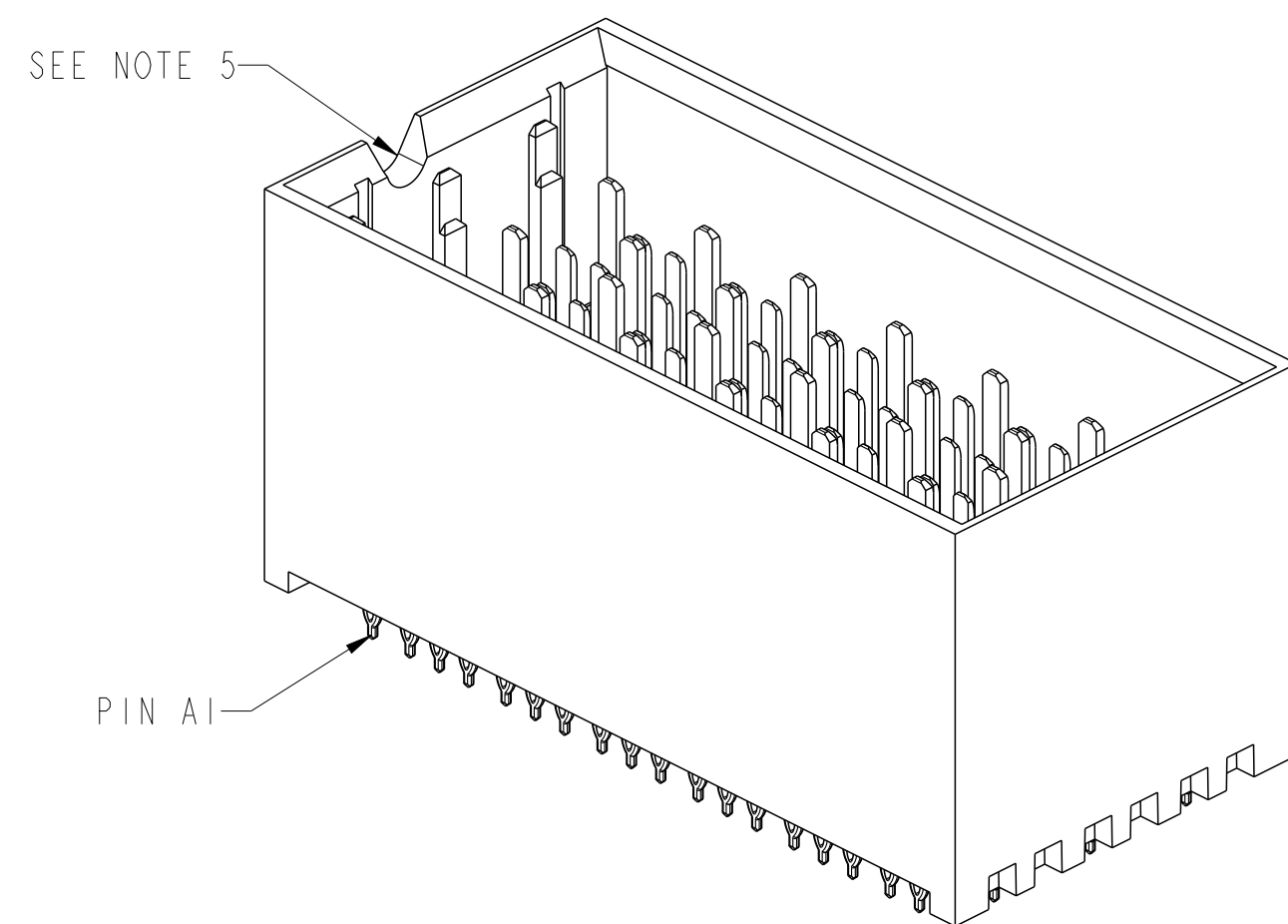
BP HOLE PATTERN COMPONENT SIDE
RIGHT WALL MODULE BACKPLANE FOOTPRINT



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tolerance std	-	eng	Sandar Soe	2013/03/20			ecn no	ELX-S-14229-1		
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	-			rel level	Released		
surface	✓	appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD	dwg no	10119130	rev	B
ASME Y14.5	linear	0.X	±0.3							
		0.XX	±0.10							
		0.XXX	±0.05							
	angular	0°	±2°							

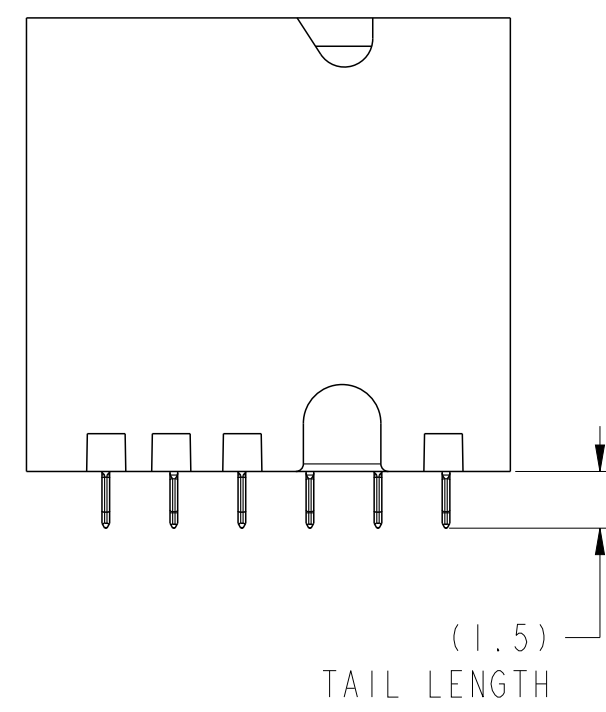
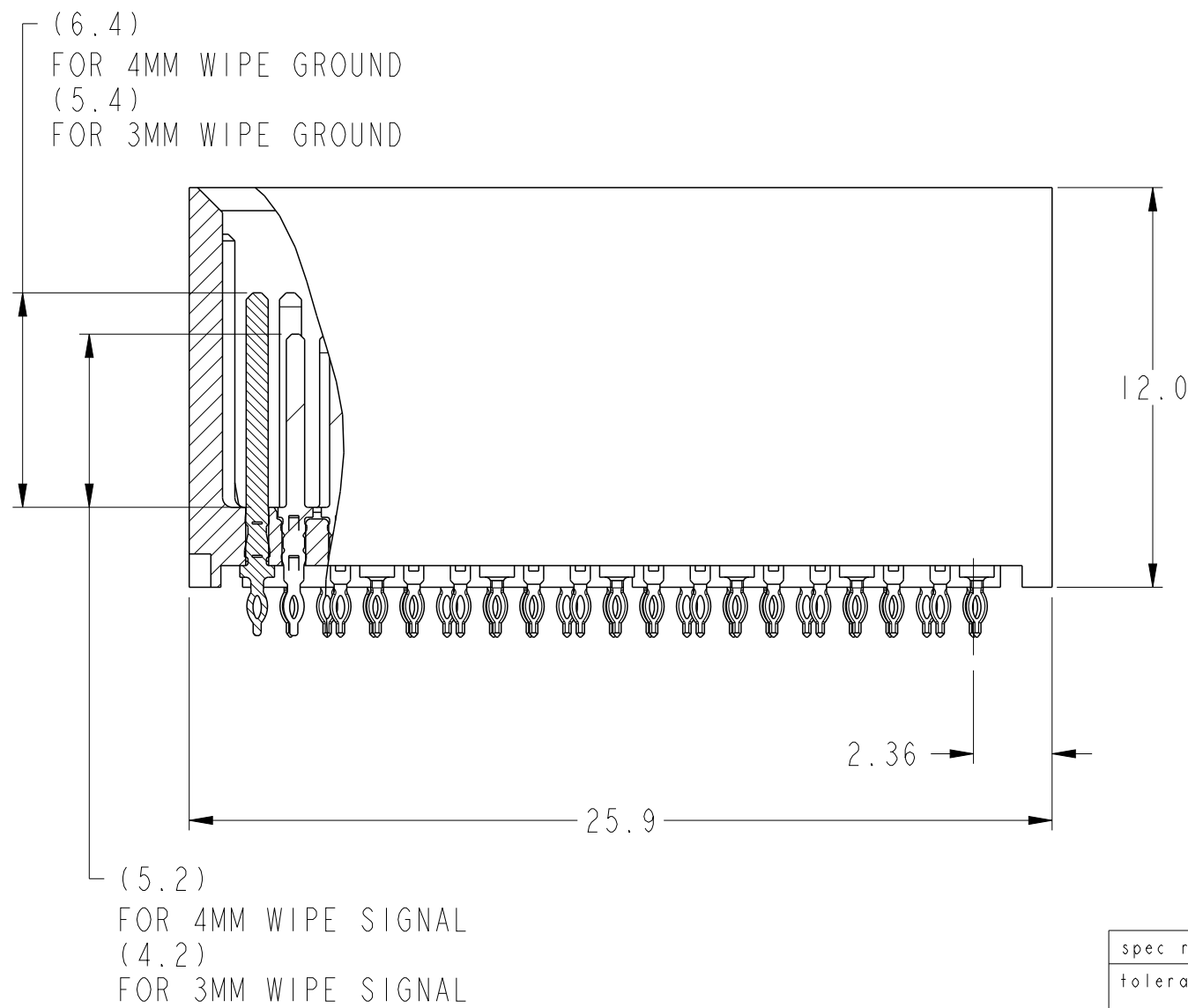
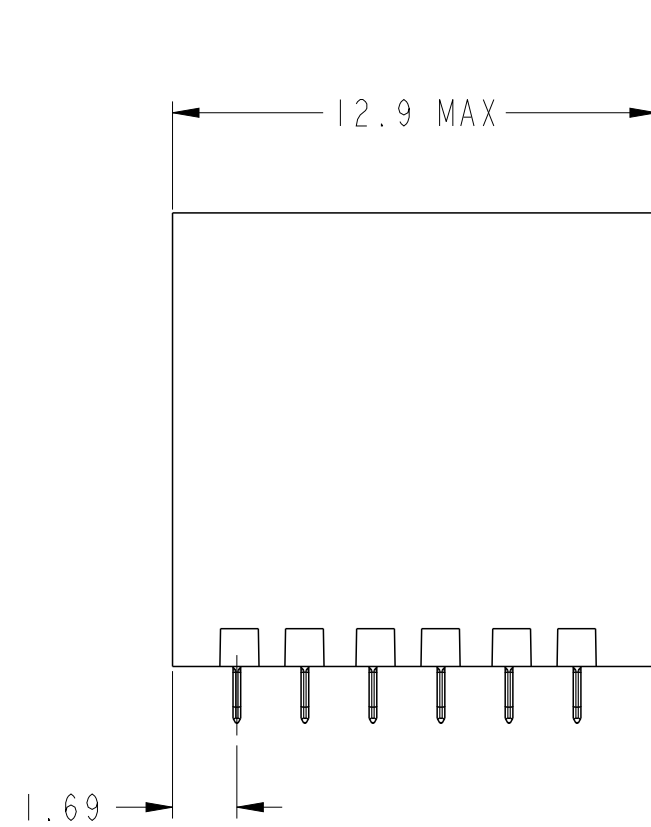


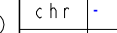
FOUR WALL MODULE



BP HOLE PATTERN COMPONENT SIDE

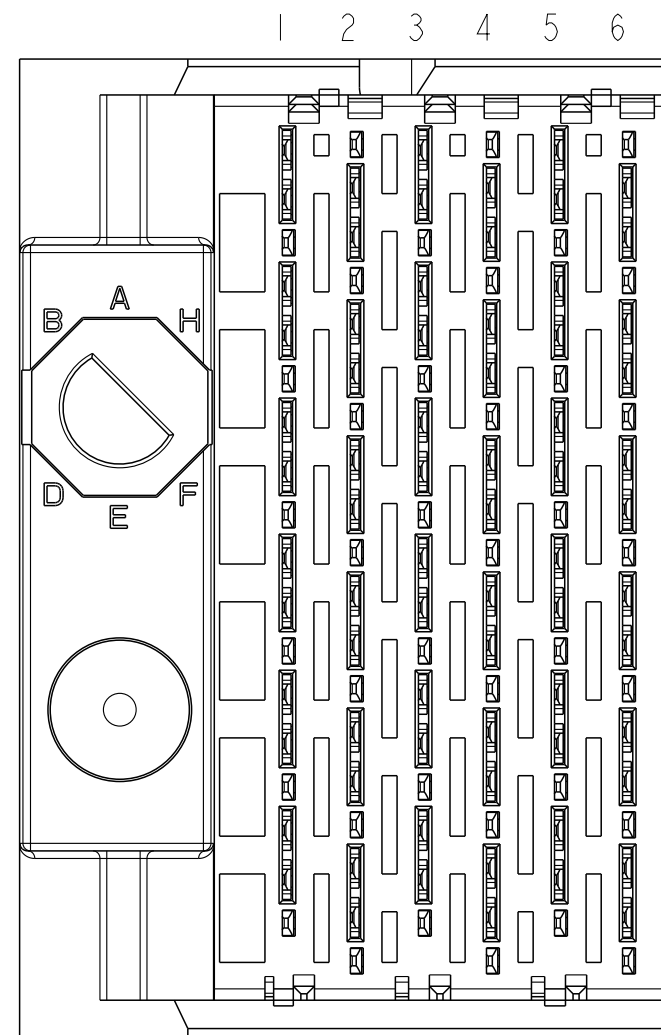
FOUR WALL MODULE BACKPLANE FOOTPRINT



spec ref		-		dr		Marty Glass		2012/02/09		projection		MM		size		A2		scale		5:1	
tolerance std		-		eng		Sandar Soe		2013/03/20						ecn no		ELX-S-14229-1		rel level		Released	
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		-													
surface		✓		appr		Chen-Hong Tan		2013/04/09													
ASME Y14.5		linear		0.X		±0.3				title		VERTICAL HEADER ASSEMBLY		dwg no		10119130		rev		B	
		0.XX		±0.10																	
		0.XXX		±0.05																	
ASME Y14.5		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 5 of 8					



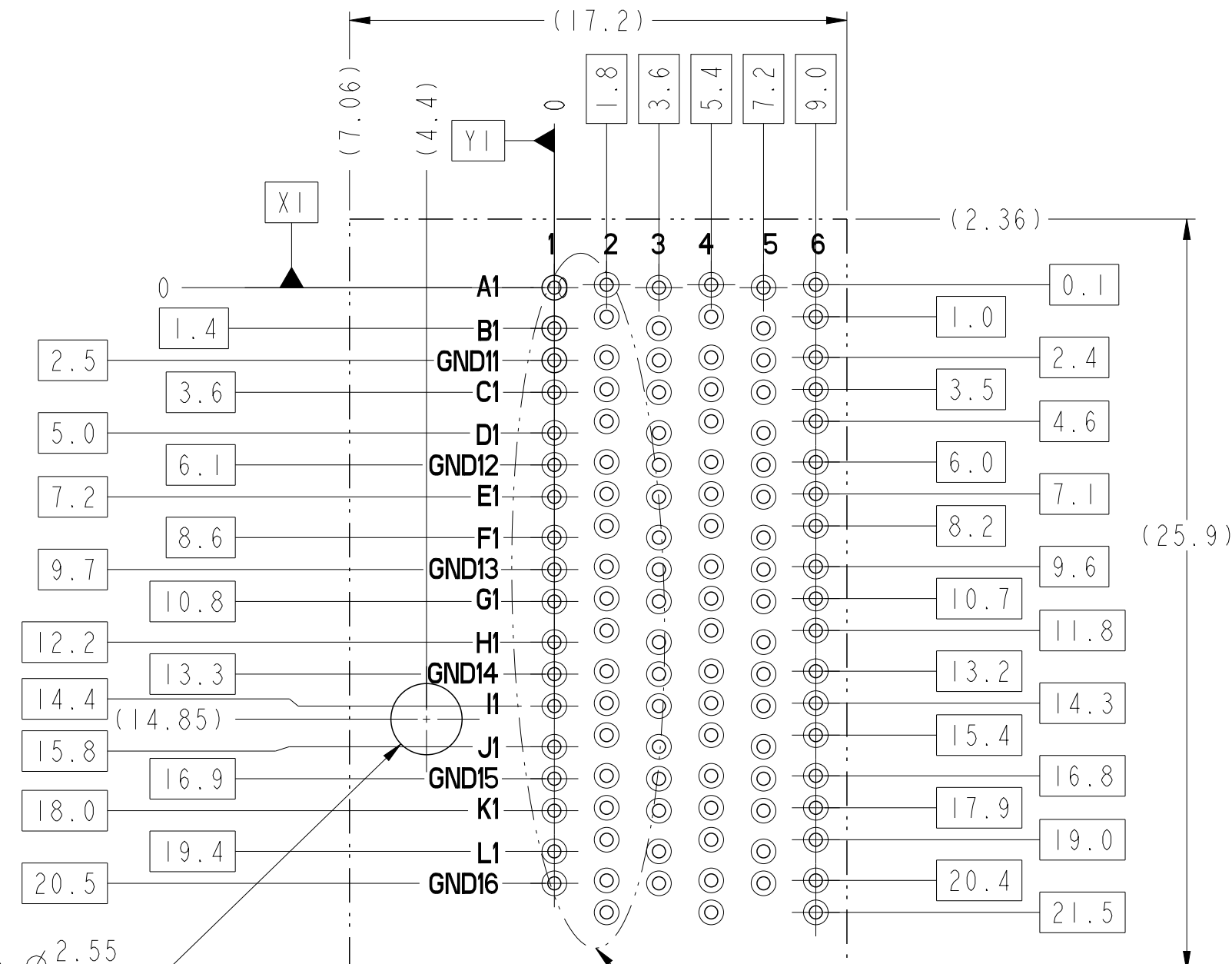
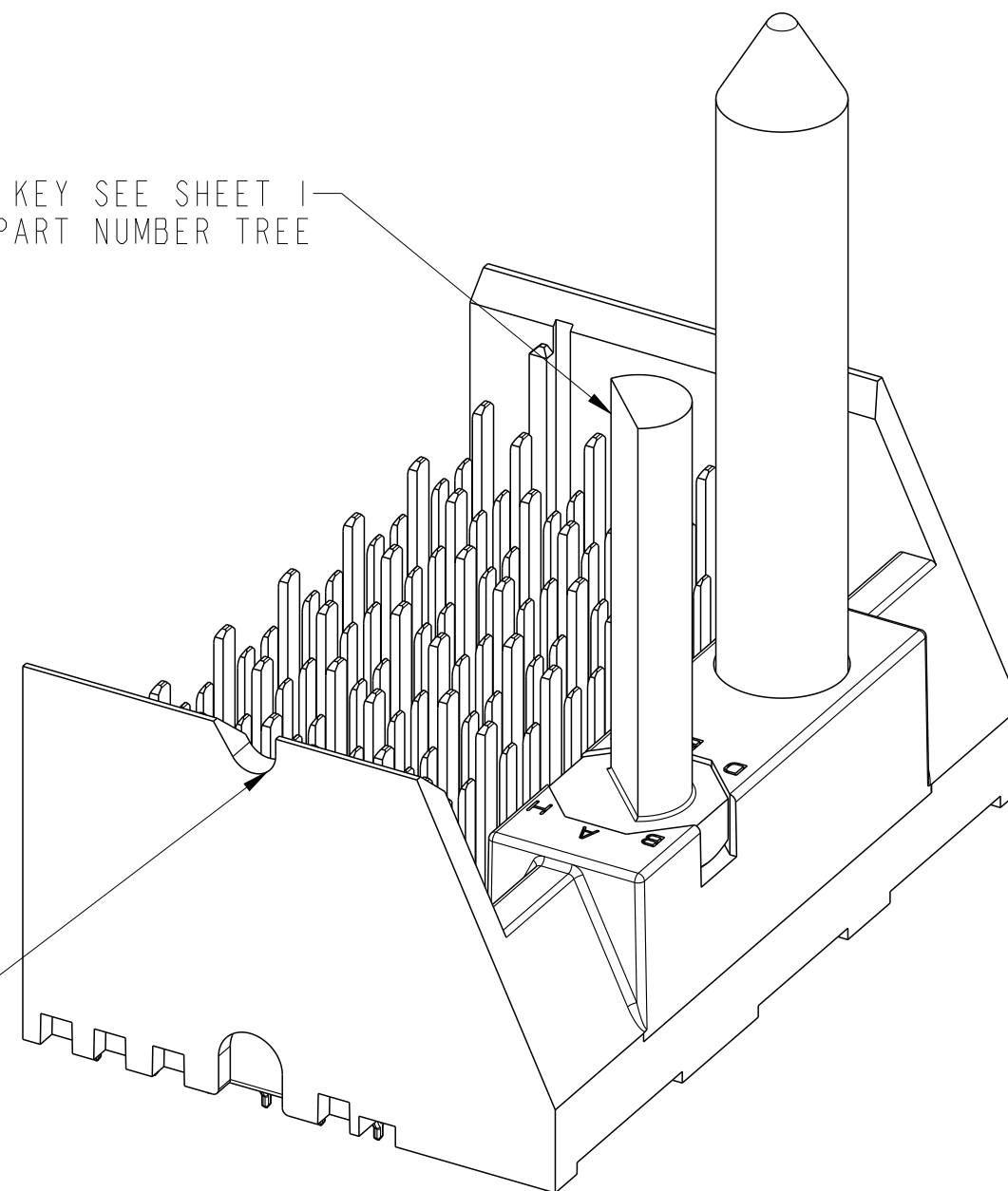
A1
B1
GND



LEFT POLARIZING / GUIDE MODULE

OPTIONAL KEY SEE SHEET 1
PART NUMBER TREE

SEE NOTE 5

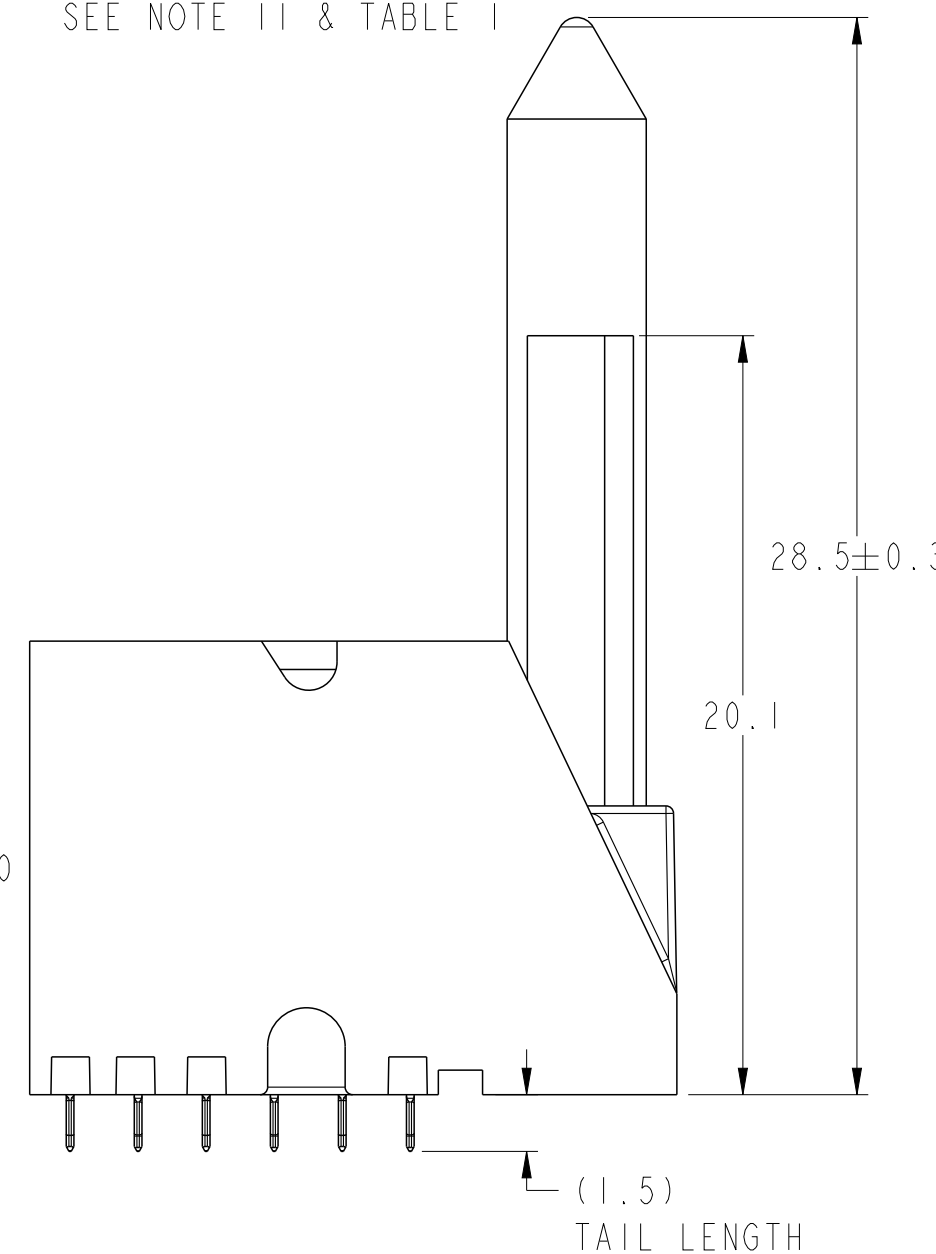
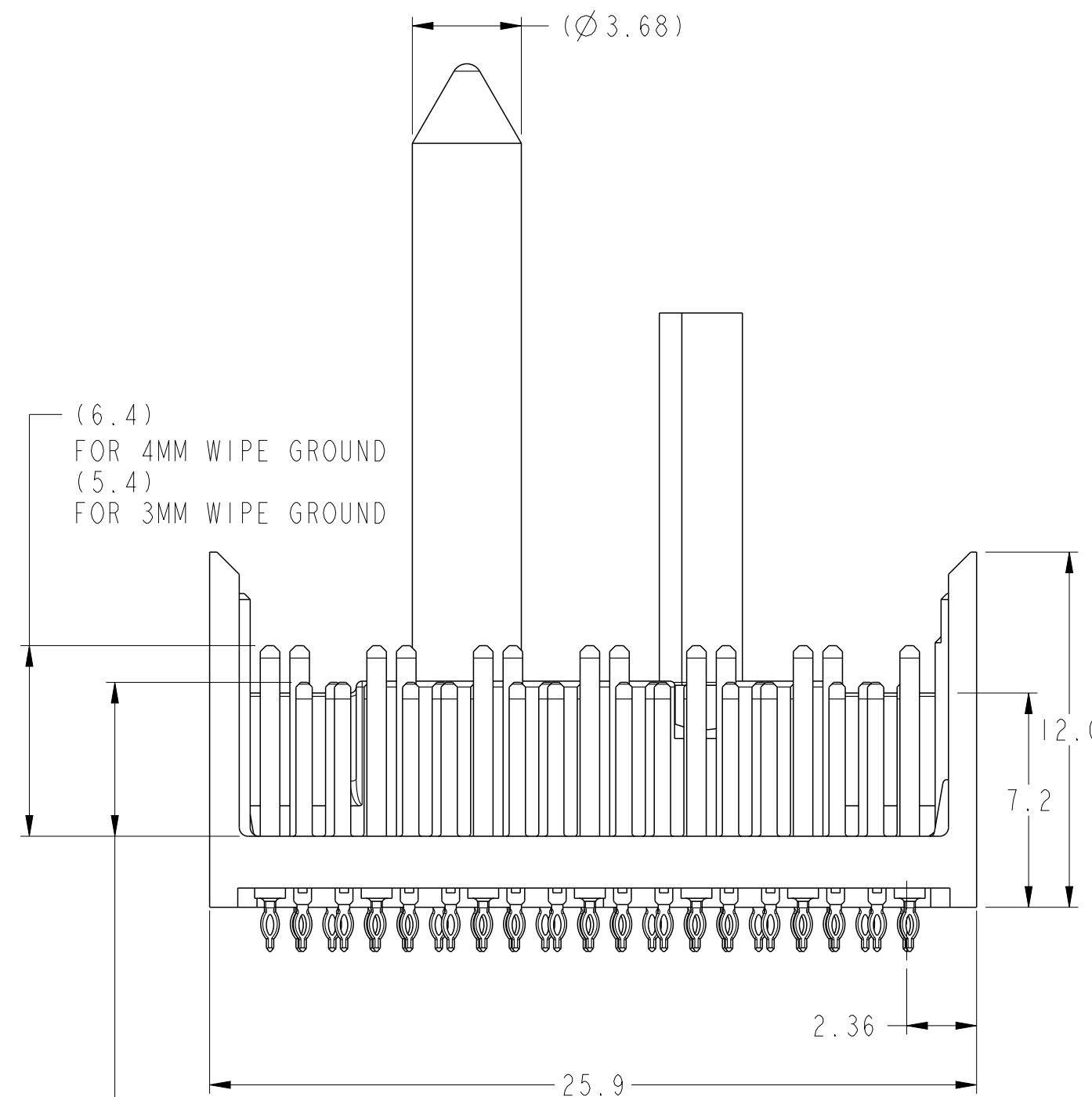
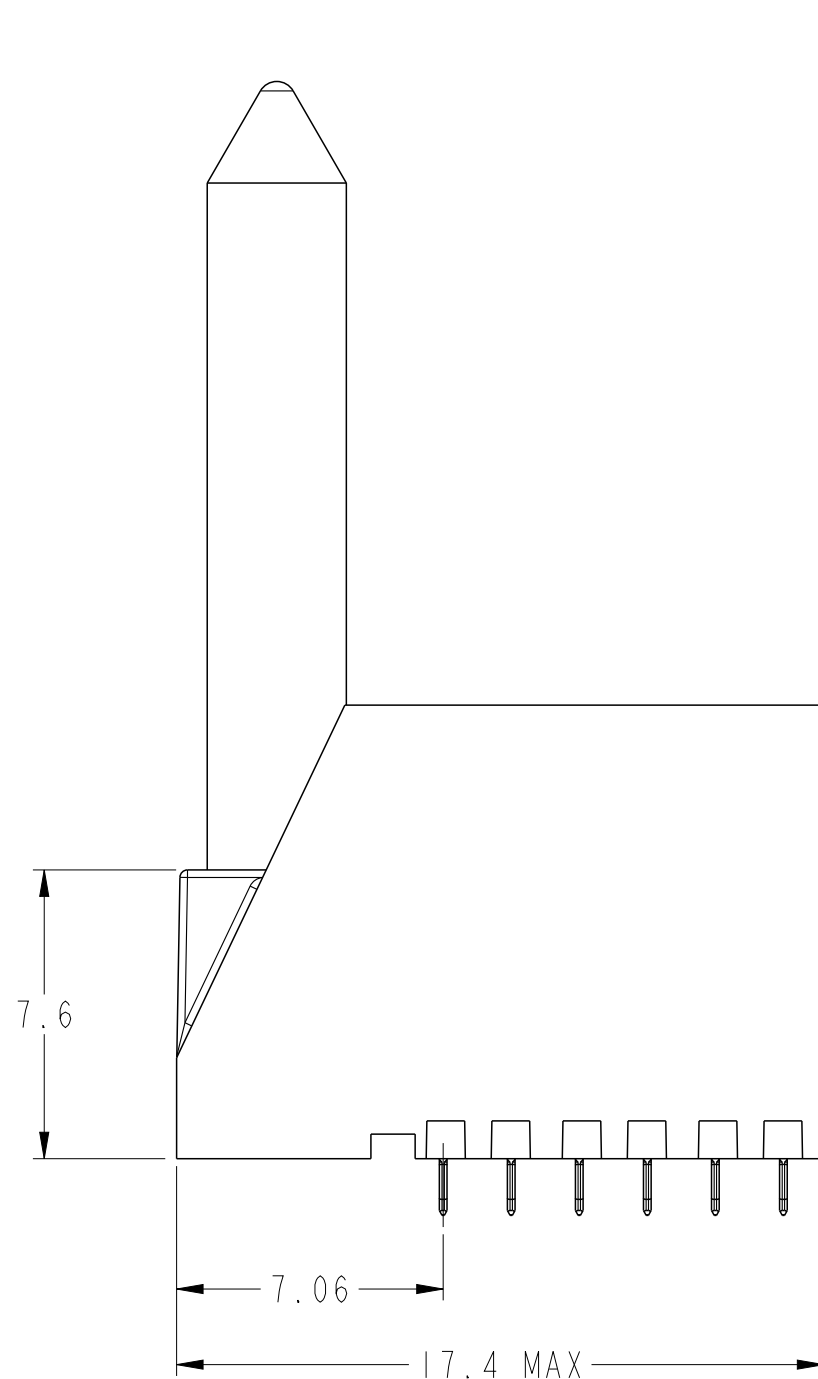


Δ $\varnothing$ 2.55
2.35
 $\oplus$ $\varnothing$ 0.15 XI YI
SEE NOTE 11 & TABLE 1

SEE DETAIL A
ON SHEET 8 FOR PINOUT DETAILS

BP HOLE PATTERN COMPONENT SIDE

LEFT POLARIZING GUIDE MODULE
BACKPLANE FOOTPRINT



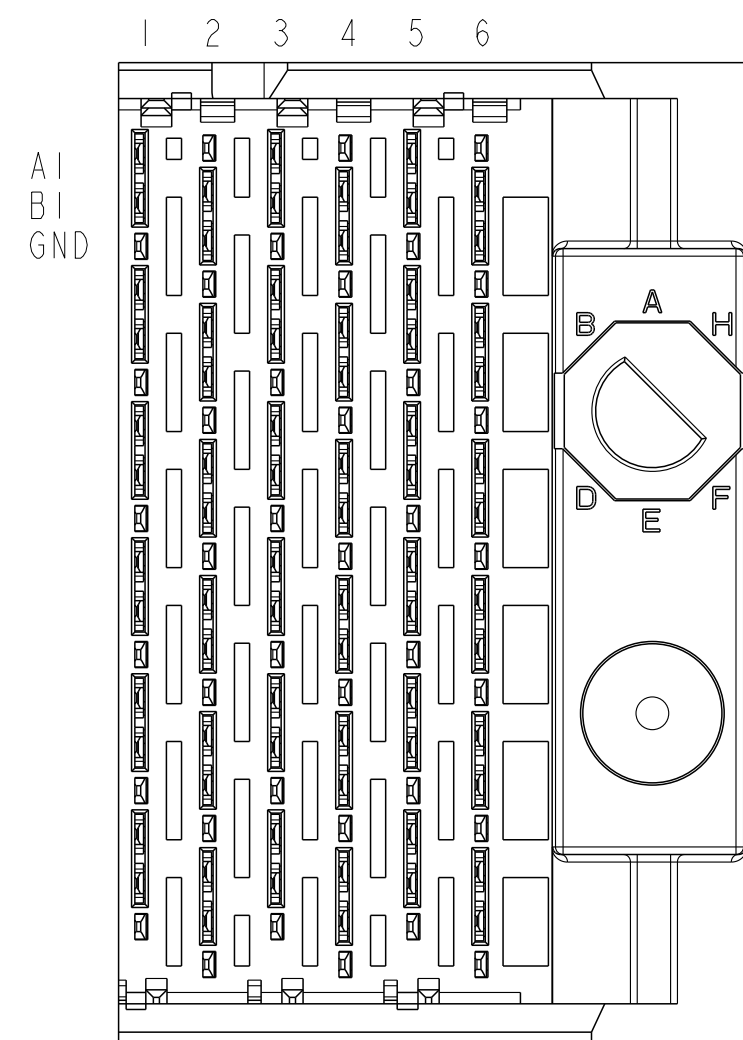
(5.2)
FOR 4MM WIPE SIGNAL
(4.2)
FOR 3MM WIPE SIGNAL

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tolerance std		-		eng		Sandar Soe		2013/03/20						ecn no		ELX-S-14229-1		rel level		Released	
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		-													
				appr		Chen-Hong Tan		2013/04/09													
surface				linear				title		VERTICAL HEADER ASSEMBLY		dwg no		10119130		rev		B			
		0.X ±0.3		±0.10																	
		0.XX ±0.10		±0.05																	
ASME Y14.5		angular		0° ±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 6 of 8							

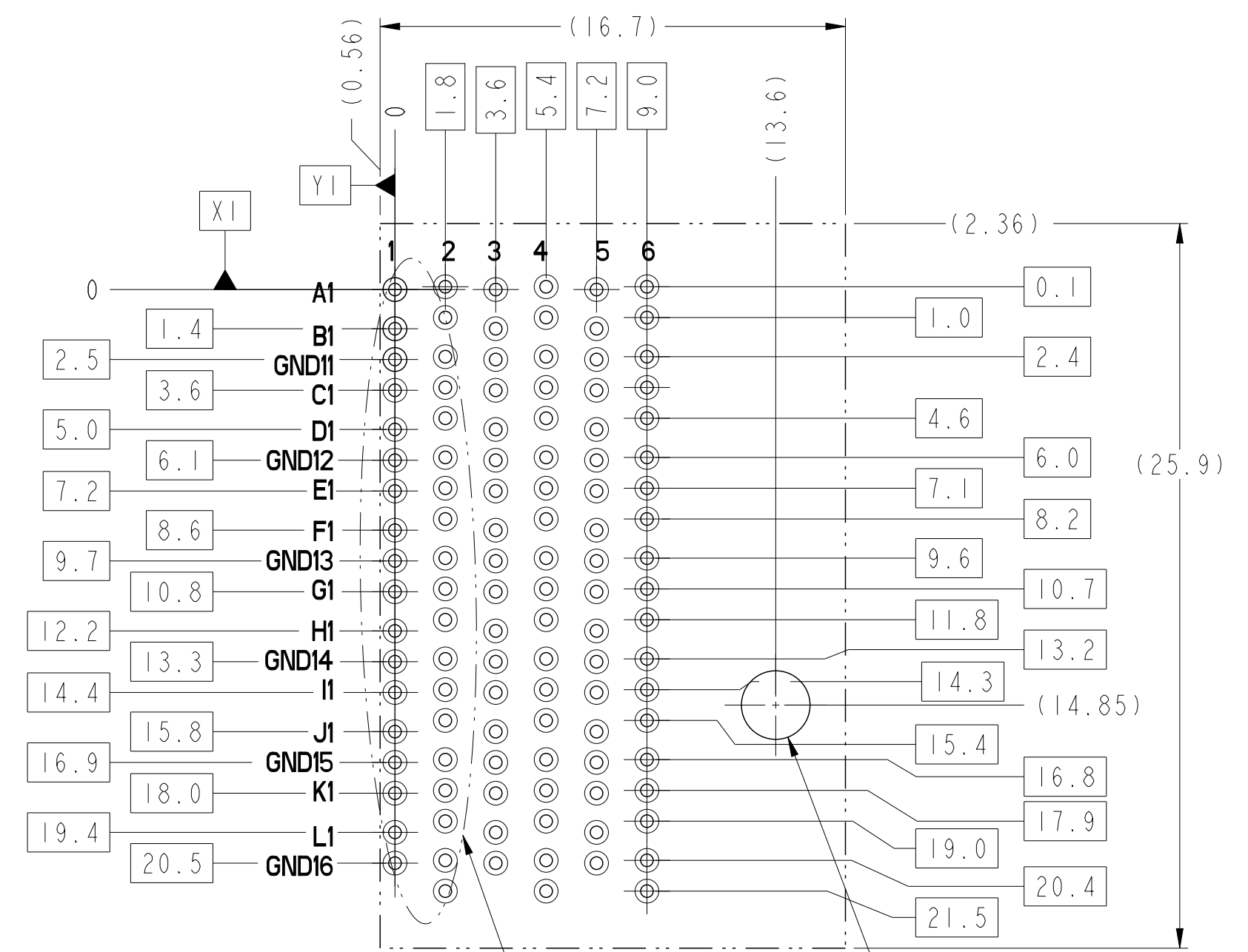
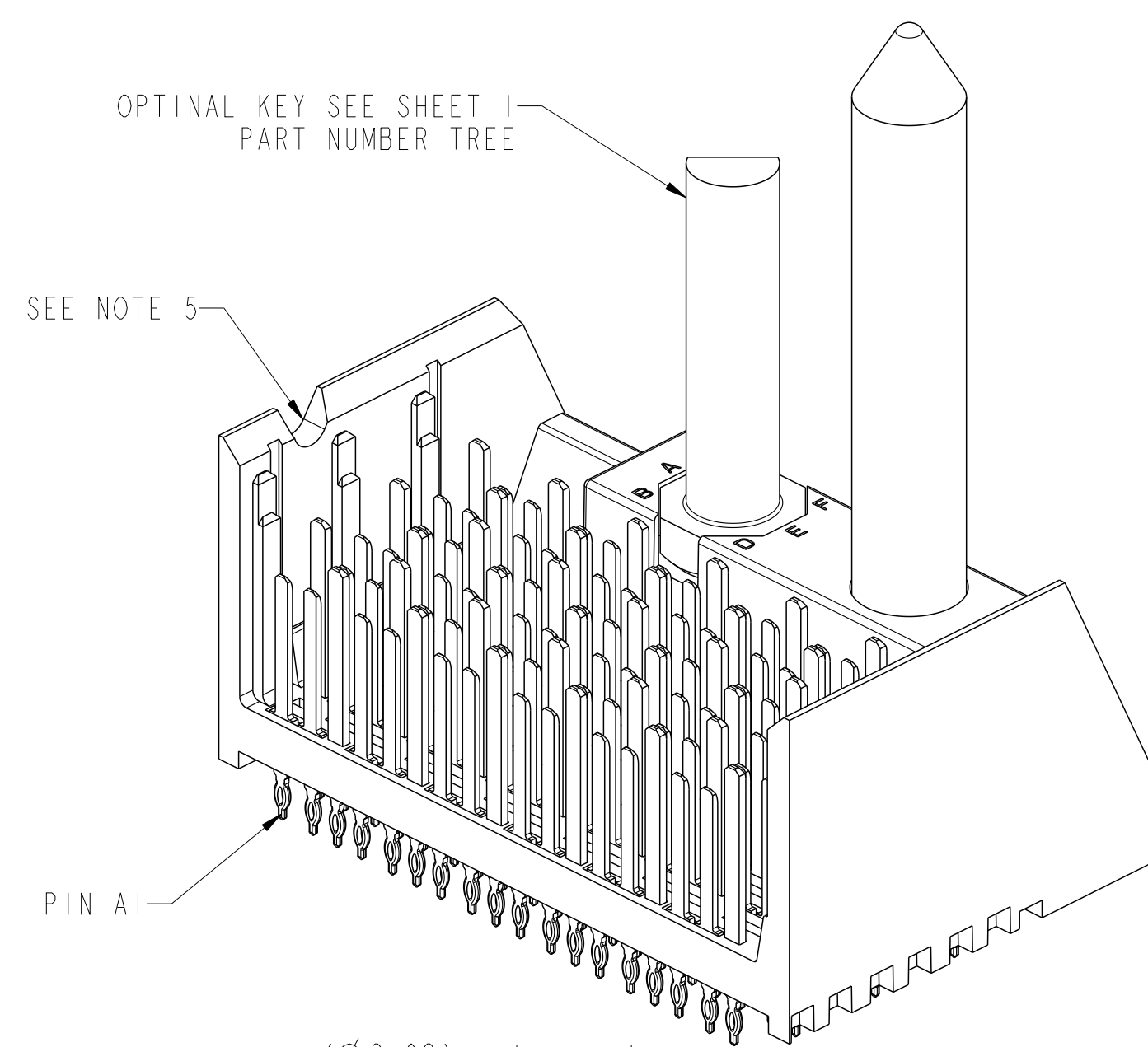
PDS: Rev :B

STATUS:Released

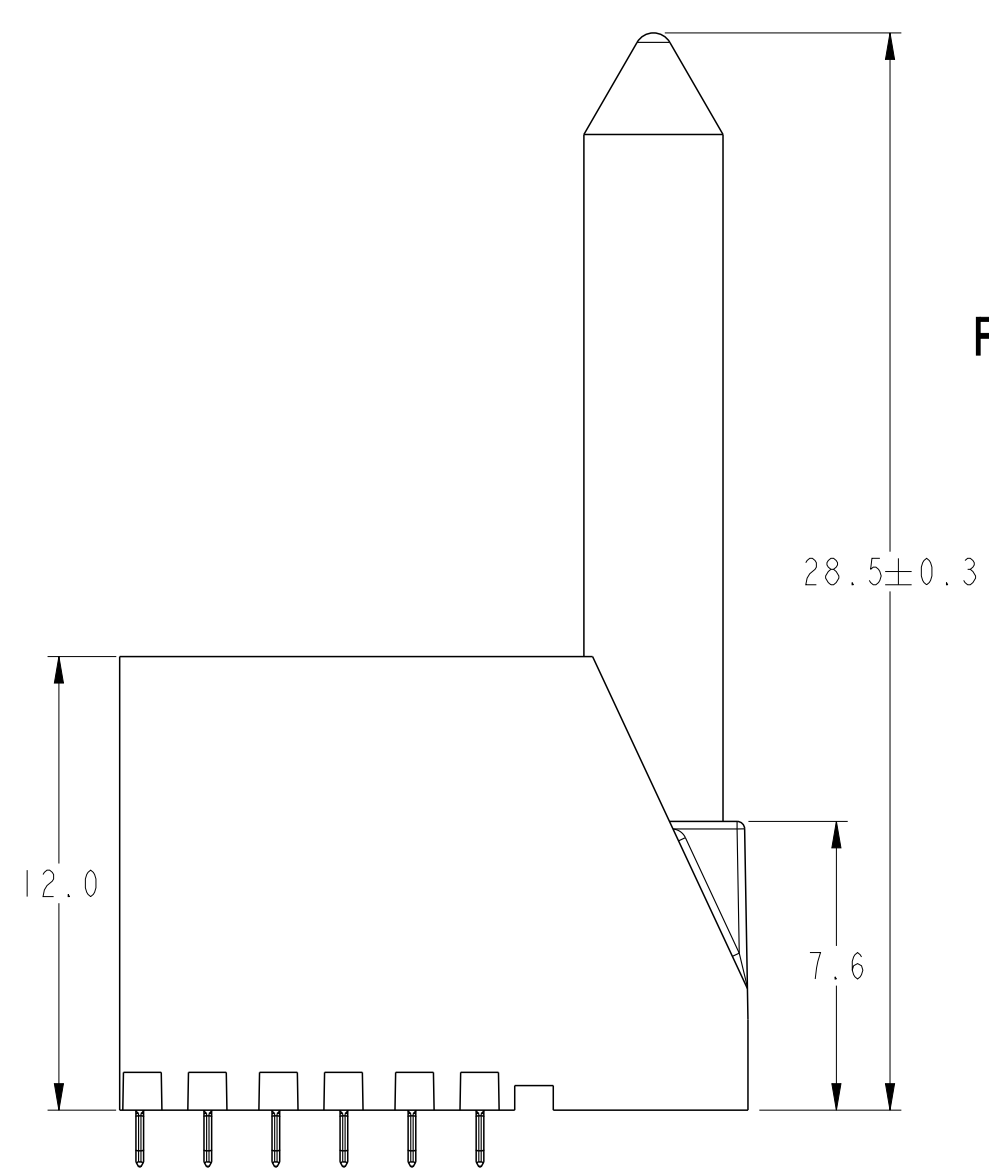
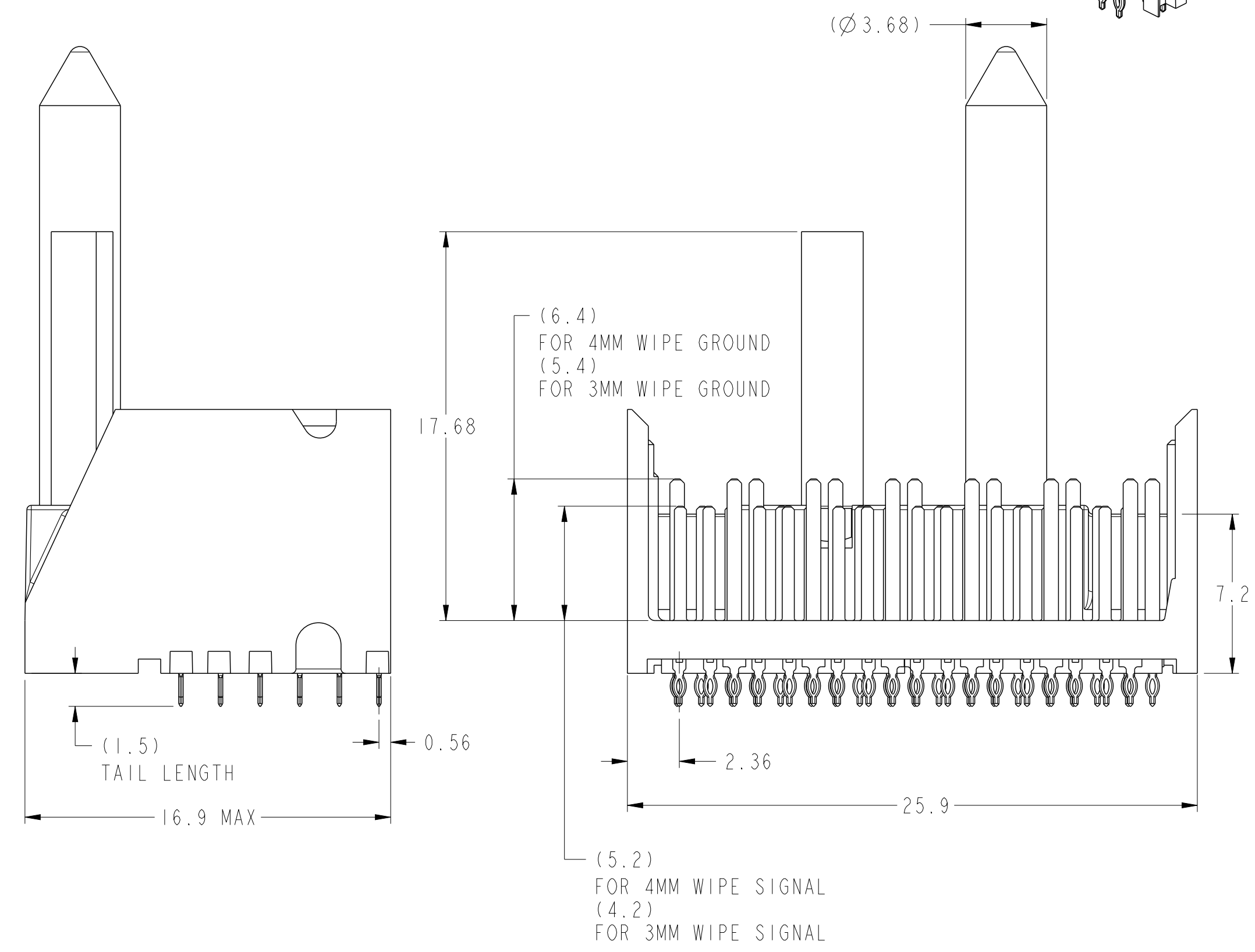
Printed: Apr 10, 2013



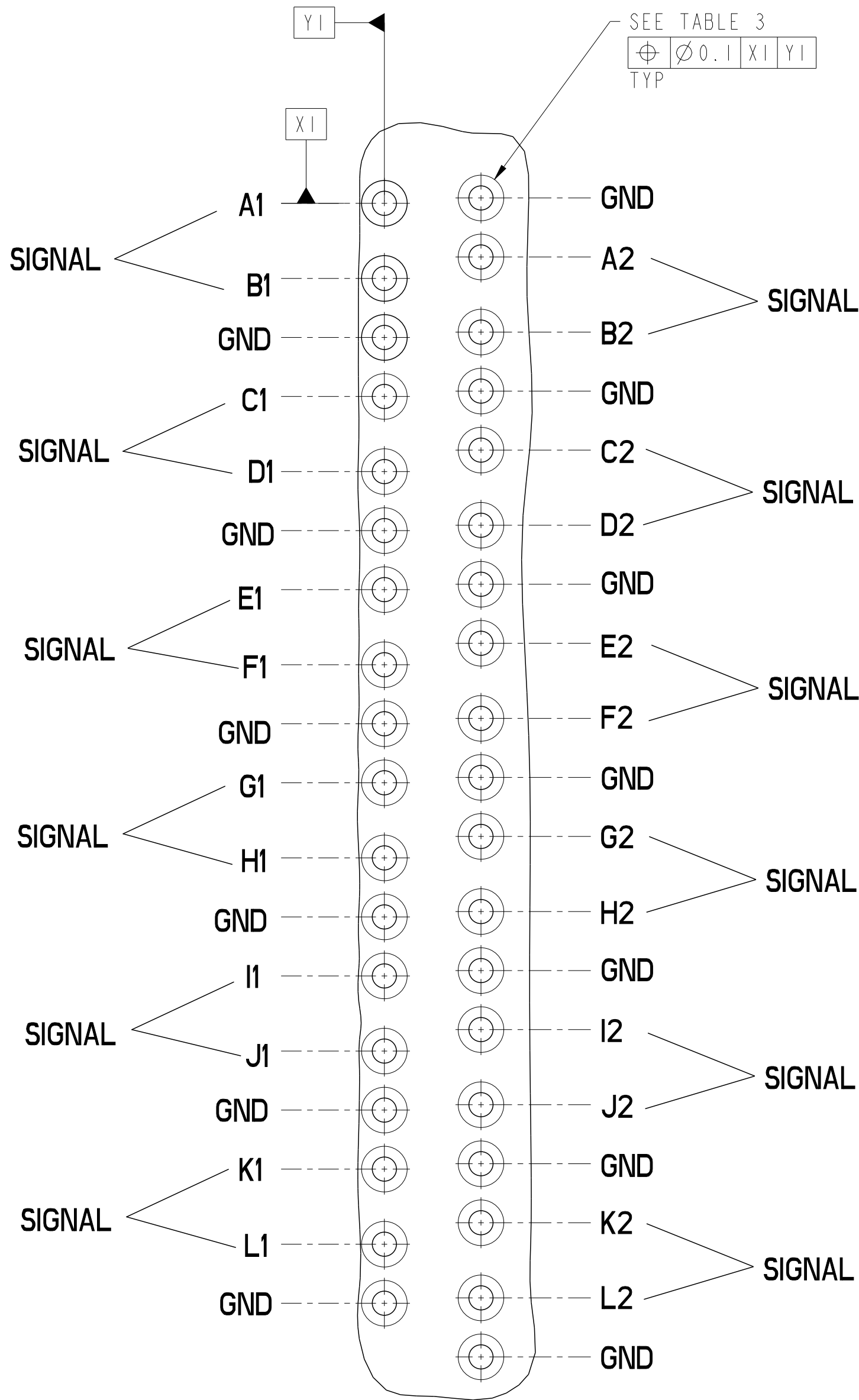
RIGHT POLARIZING GUIDE MODULE



BP HOLE PATTERN COMPONENT SIDE
RIGHT POLARIZING GUIDE MODULE
BACKPLANE FOOTPRINT



spec ref	-	dr	Marty Glass	2012/02/09	projection	MM	size	A2	scale	5:1
tolerance std	-	eng	Sandar Soe	2013/03/20	chr	-	ecn no	ELX-S-14229-1	rel level	Released
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD	cat. no.	10119130	sheet	7 of 8
surface	✓	linear	0.X	±0.3	angular	0°	±2°	www.fci.com	PDS: Rev :B	STATUS:Released
ASME Y14.5	0.XX	±0.10	0.XXX	±0.05	0°	±2°	www.fci.com	cat. no.	Product - Customer Drw	Printed: Apr 10, 2013



DETAIL A
SCALE 12:1
PINOUT DETAILS

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 (10119130-X0C-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 Δ B SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE THAT HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.
- Δ 11 OPTIONAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE-PIN SUPPORT. SEE TABLE 1 SHEET 1 FOR ADDITIONAL DETAILS.
- Δ 12 SCREW IS OPTIONAL AND ENGAGES WITH BOTTOM OF GUIDE PIN FROM BENEATH THE PCB FOR ADDITIONAL GUIDE-PIN SUPPORT.

spec ref		-		dr		Marty Glass		2012/02/09		projection				MM		size		A2		scale		3:1	
tolerance std		-		eng		Sandar Soe		2013/03/20				MM				ecn no		ELX-S-14229-1		Released			
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		-															
				appr		Chen-Hong Tan		2013/04/09														product family	
surface				linear		0.X		±0.3				title		VERTICAL HEADER ASSEMBLY		dwg no		10119130		rev		B	
				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

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[40DLF](#) [10119130-E0C-60DLF](#) [10119130-W0C-80DLF](#) [10119130-J0C-80DLF](#) [10119130-G0C-70DLF](#) [10119130-G0C-](#)
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[10DLF](#) [10119130-R0C-30DLF](#) [10119130-V0C-80DLF](#) [10119130-R0C-70DLF](#) [10119130-F0C-60DLF](#) [10119130-T0C-](#)
[40DLF](#) [10119130-C0C-10DLF](#) [10119130-10C-50DLF](#) [10119130-T0C-80DLF](#) [10119130-P0C-60DLF](#) [10119130-T0C-](#)
[10DLF](#) [10119130-V0C-40DLF](#) [10119130-P0C-20DLF](#) [10119130-F0C-40DLF](#) [10119130-H0C-40DLF](#) [10119130-10C-](#)
[20DLF](#) [10119130-V0C-50DLF](#) [10119130-00C-10DLF](#) [10119130-C0C-70DLF](#) [10119130-Q0C-10DLF](#) [10119130-00C-](#)
[40DLF](#) [10119130-H0C-10DLF](#) [10119130-S0C-40DLF](#) [10119130-D0C-30DLF](#) [10119130-10C-80DLF](#) [10119130-00C-](#)
[60DLF](#) [10119130-W0C-60DLF](#) [10119130-L0C-80DLF](#) [10119130-Y0C-20DLF](#) [10119130-C0C-60DLF](#) [10119130-A0C-](#)
[10DLF](#) [10119130-E0C-20DLF](#) [10119130-M0C-50DLF](#) [10119130-Y0C-70DLF](#) [10119130-Y0C-50DLF](#) [10119130-L0C-](#)
[70DLF](#) [10119130-S0C-30DLF](#) [10119130-P0C-50DLF](#) [10119130-E0C-30DLF](#) [10119130-M0C-20DLF](#) [10119130-F0C-](#)
[50DLF](#) [10119130-H0C-80DLF](#) [10119130-F0C-80DLF](#) [10119130-T0C-60DLF](#) [10119130-Q0C-60DLF](#) [10119130-A0C-](#)
[60DLF](#) [10119130-S0C-50DLF](#) [10119130-W0C-50DLF](#) [10119130-D0C-50DLF](#) [10119130-Y0C-60DLF](#) [10119130-S0C-](#)
[70DLF](#) [10119130-J0C-30DLF](#) [10119130-B0C-70DLF](#) [10119130-P0C-70DLF](#) [10119130-S0C-10DLF](#) [10119130-10C-](#)
[70DLF](#) [10119130-T0C-50DLF](#) [10119130-G0C-40DLF](#) [10119130-C0C-80DLF](#) [10119130-00C-50DLF](#) [10119130-M0C-](#)
[40DLF](#) [10119130-W0C-30DLF](#) [10119130-V0C-30DLF](#) [10119130-J0C-70DLF](#) [10119130-G0C-10DLF](#) [10119130-C0C-](#)
[40DLF](#) [10119130-Q0C-30DLF](#) [10119130-Q0C-80DLF](#) [10119130-W0C-70DLF](#) [10119130-V0C-10DLF](#) [10119130-](#)
[U0C-60DLF](#) [10119130-R0C-50DLF](#) [10119130-R0C-10DLF](#) [10119130-U0C-80DLF](#) [10119130-R0C-60DLF](#) [10119130-](#)
[T0C-30DLF](#) [10119130-P0C-40DLF](#) [10119130-F0C-30DLF](#) [10119130-R0C-80DLF](#) [10119130-H0C-50DLF](#) [10119130-](#)
[H0C-60DLF](#)