

10120128 - 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	0.76um GOLD or GXT
C	TELCORDIA UE	1.27um GOLD
D	TELCORDIA CO	0.76um GOLD or GXT, LEAD-FREE
E	TELCORDIA UE	1.27um GOLD, LEAD-FREE

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

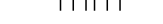
MODULE DESCRIPTION	LETTER DESIGNATION REPRESENTED IN DASH NUMBER										BASE MODULE
LEFT POLARIZING GUIDANCE MODULE (SEE SHEET 5)	N	J	A	B	C	D	E	F	G	H	
	NO KEY NO GUIDE PIN										
RIGHT POLARIZING GUIDANCE MODULE (SEE SHEET 5)	Z	Y	P	Q	R	S	T	U	V	W	
	NO KEY NO GUIDE PIN										
OPEN MODULE (TWO WALL) (SEE SHEET 3)	0 (ZERO)										
LEFT WALL MODULE (SEE SHEET 6)	L										
RIGHT WALL MODULE (SEE SHEET 6)	M										
FOUR WALL MODULE (SEE SHEET 6)	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 10120128-XXXX, WHERE: "X" DENOTES MODULE TYPE PER CHART ON THIS SHEET "YYYY" IS A SEQUENTIAL NUMBER BEGINNING WITH "0001".			

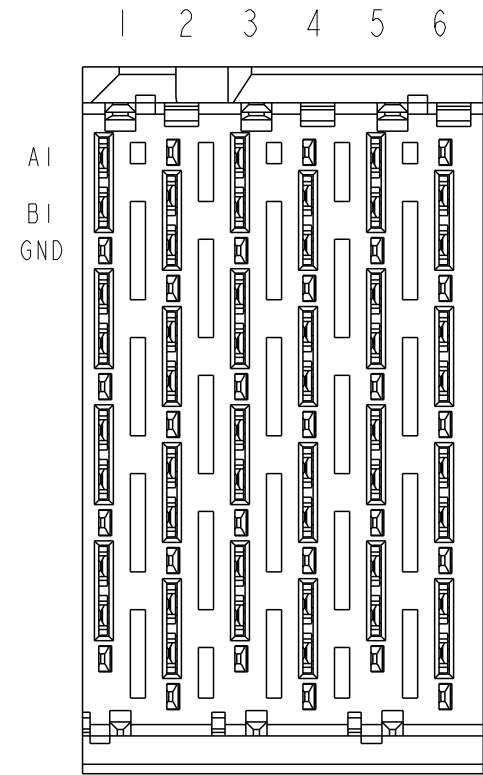
TABLE 1 (SEE NOTE 11)		
	UNGROUND	GROUND
FHS	Ø2.35-Ø2.55	Ø2.35-Ø2.55
PAD	N/A	Ø5.50
PLATED	NO	YES
DRILL(mm)	2.44mm	2.58mm
DRILL(in)	0.096"	0.1015"

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

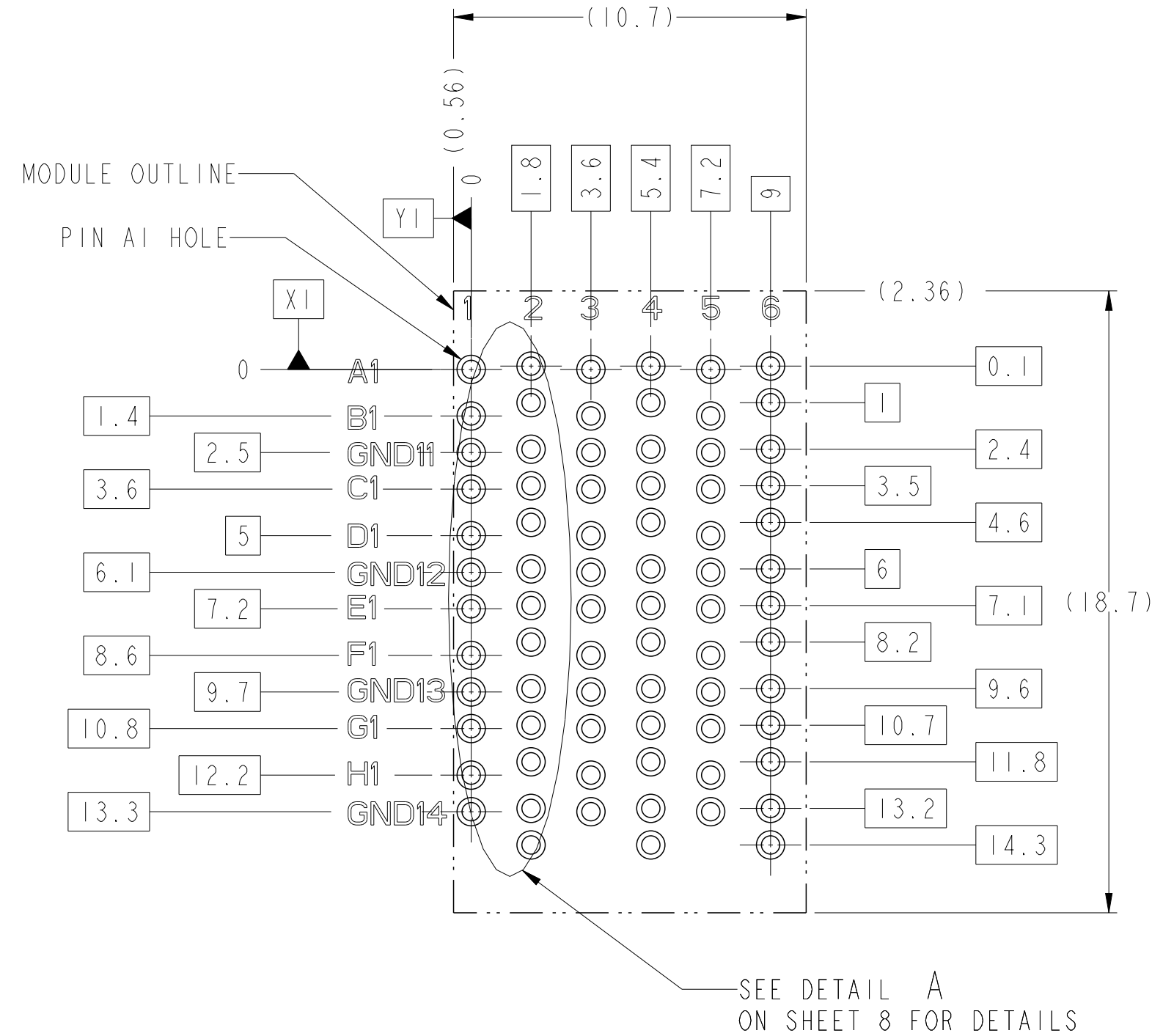
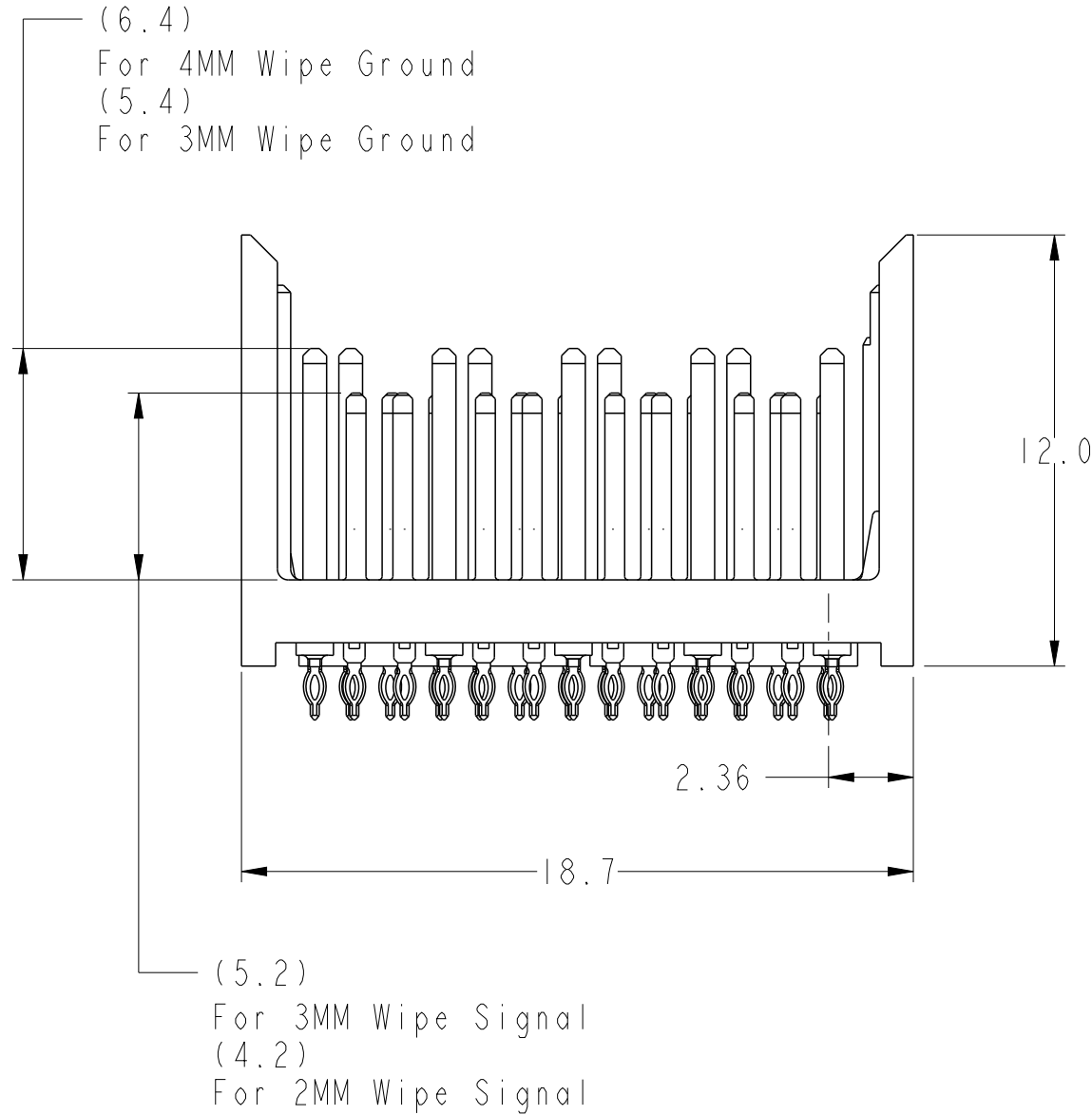
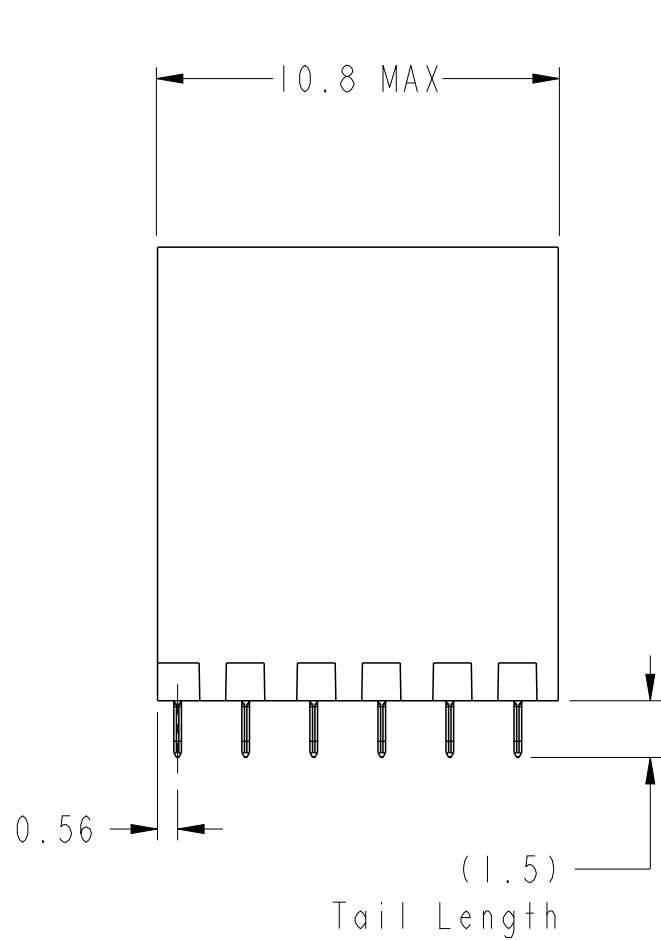
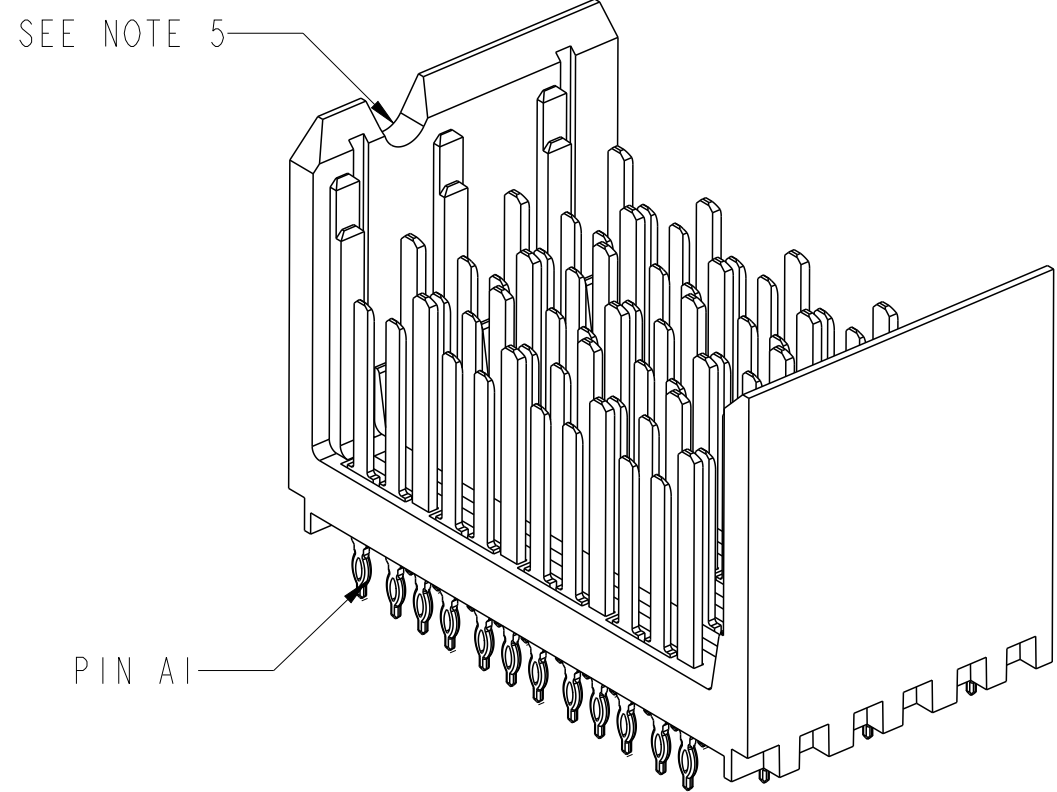
spec ref	-
tolerance std	ISO 406 ISO 1101
surface	linear
ISO 1302	angular
tolerances unless otherwise specified	0.X ±0.3 0.XX ±0.10 0.XXX ±0.050 0° ±2°

dr	Yong-Keat Lim	2012/03/01			size	A2	scale	1:1	
eng	Sandar Soe	2013/03/20			ecn no	ELX-S-14229-1			
chr	-	-			rel level				
appr	Chen-Hong Tan	2013/04/09	product family		-	Released			
		title	MODULE ASSEMBLY, XCEDE HD			dwg no	10120128		rev
Vertical Header, 4 Pair 6 Column			B						
www.fci.com		cat. no.	-	Product - Customer Drw			sheet 1 of 8		

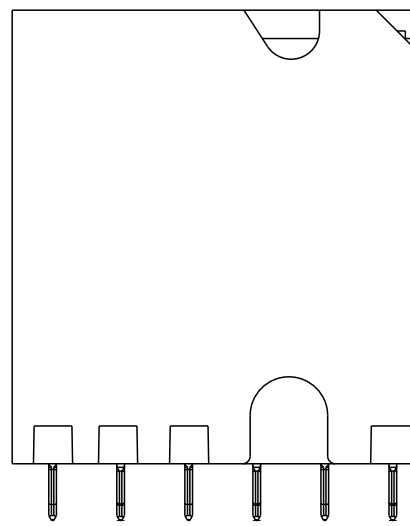
A
B
C
D
E
F



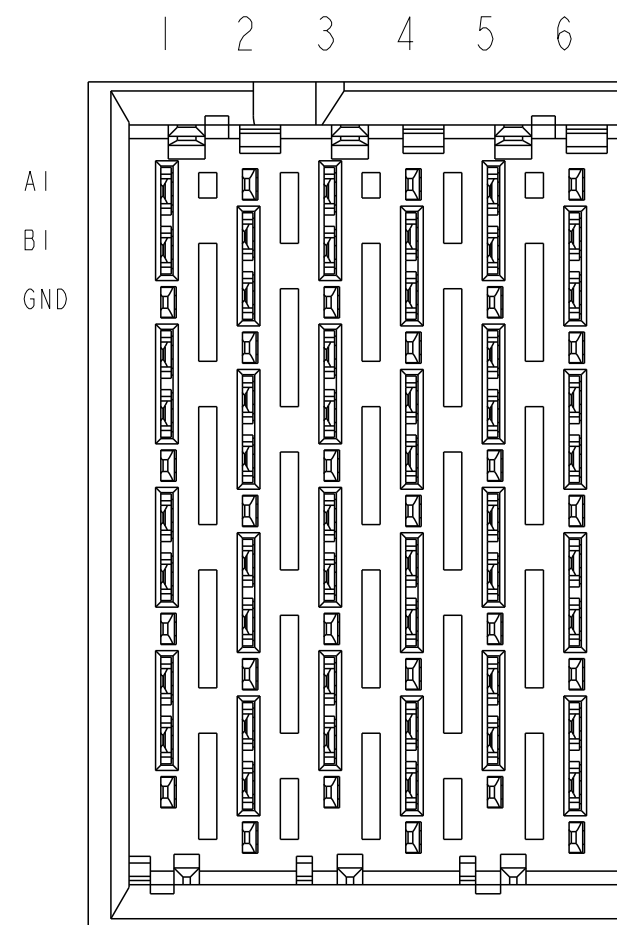
OPEN WALL MODULE



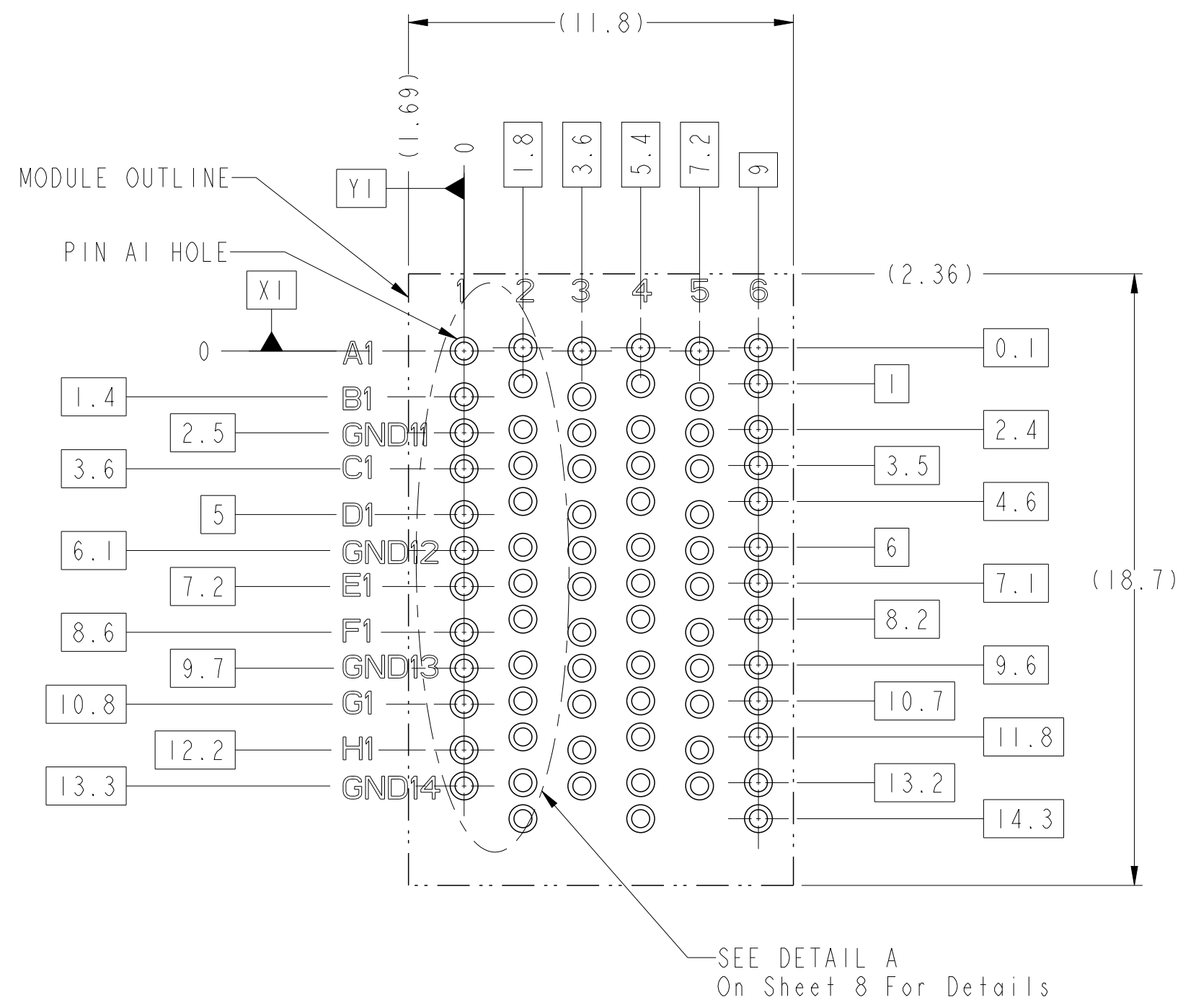
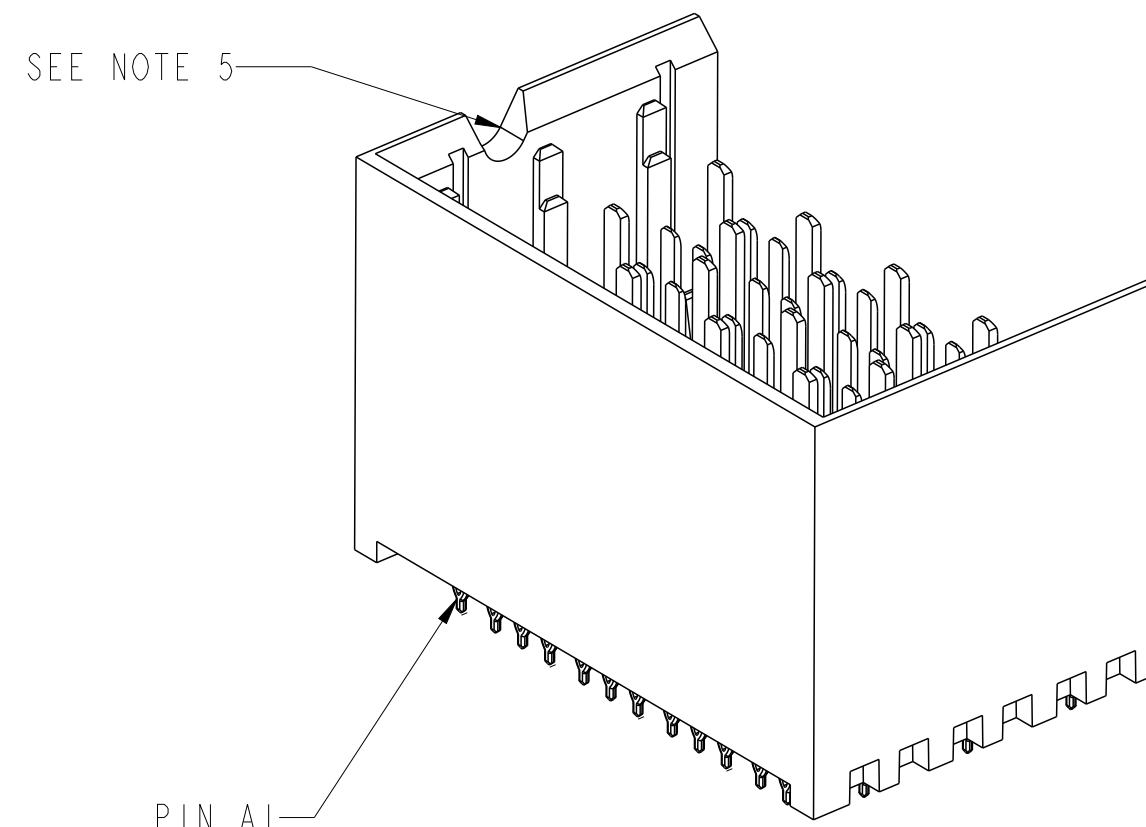
BP HOLE PATTERN COMPONENT SIDE
OPEN WALL MODULE BACKPLANE FOOTPRINT



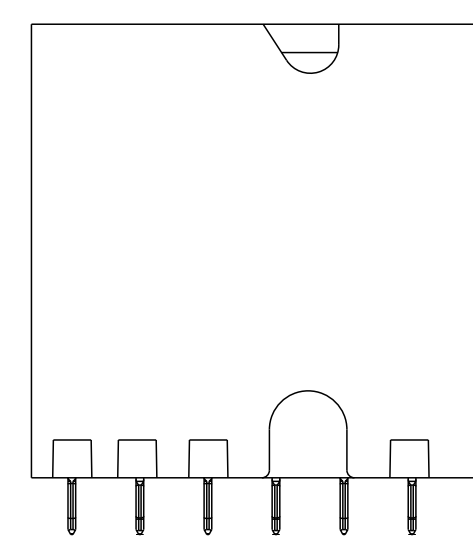
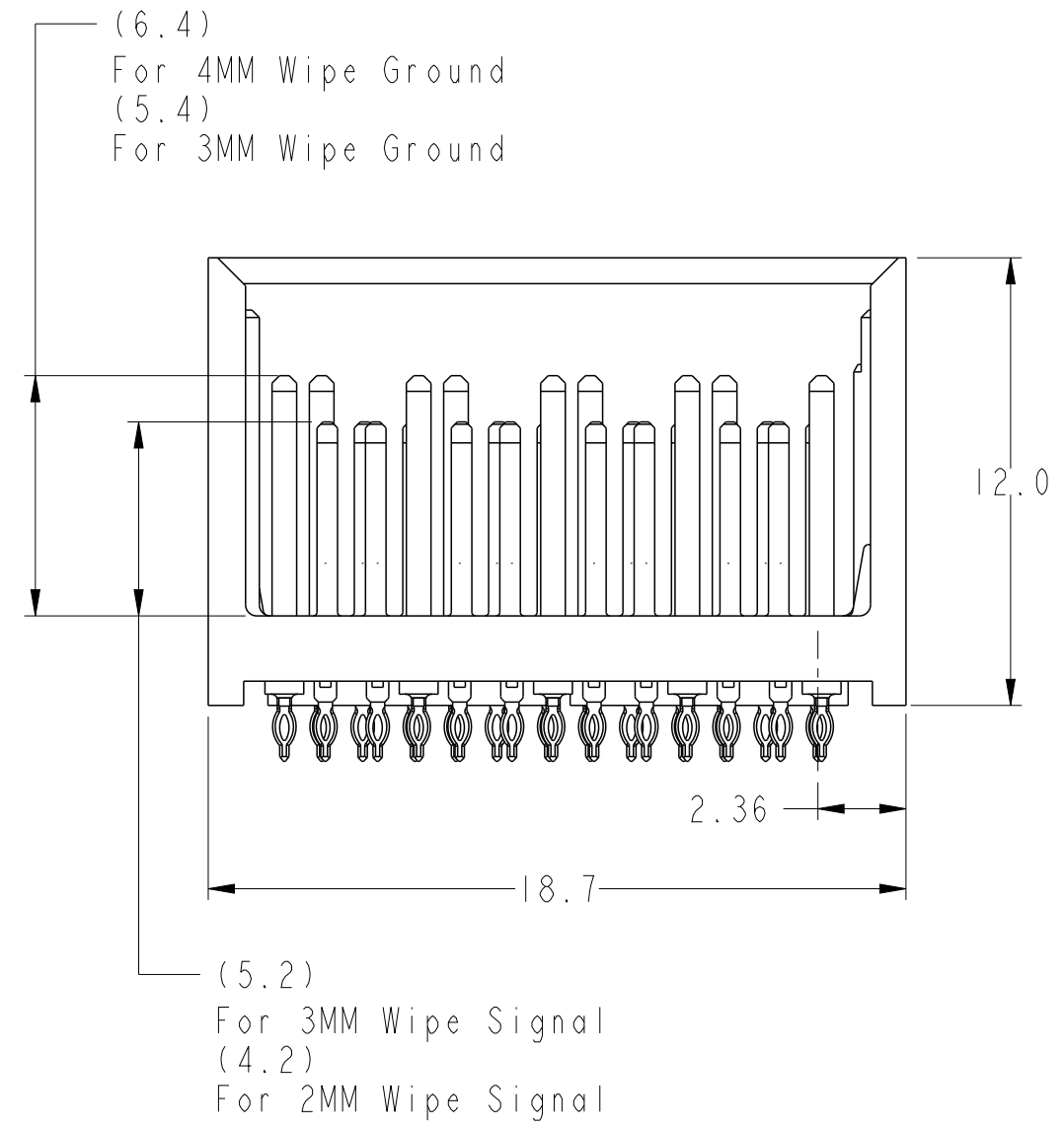
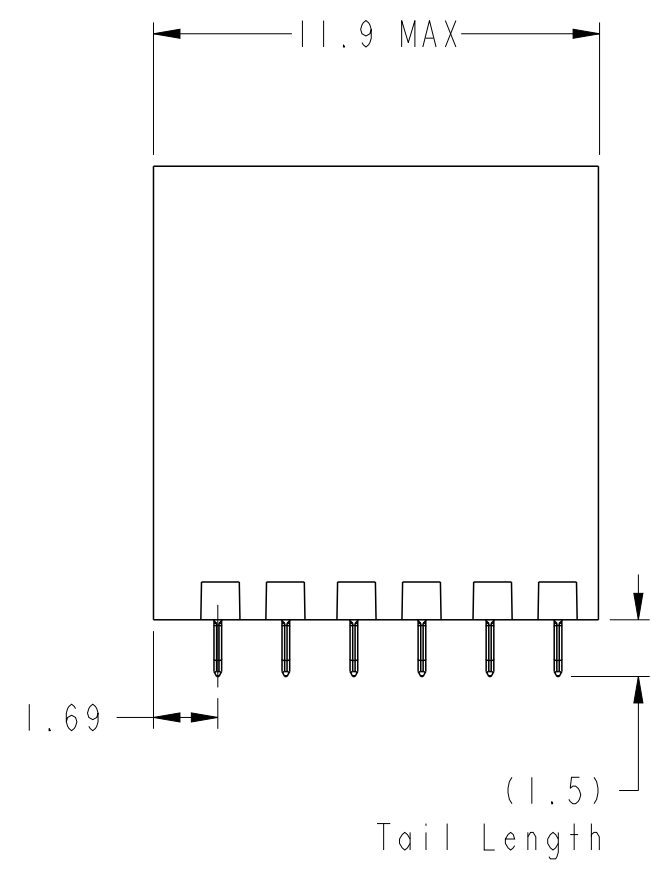
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tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20	chr	-	ecn no	ELX-S-14229-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD	cat. no.	10120128	rev	B
TOLERANCES UNLESS OTHERWISE SPECIFIED		FCI		MODULE ASSEMBLY, XCEDE HD		Vertical Header, 4 Pair 6 Column		Product - Customer Drw		sheet 2 of 8
linear		0.X	±0.3	angular		0°	±2°	PDS: Rev :B		STATUS:Released
0.XX		±0.10	0.XXX		±0.050	Printed: Apr 10, 2013				



LEFT WALL MODULE



BP HOLE PATTERN COMPONENT SIDE
LEFT WALL MODULE BACKPLANE FOOTPRINT



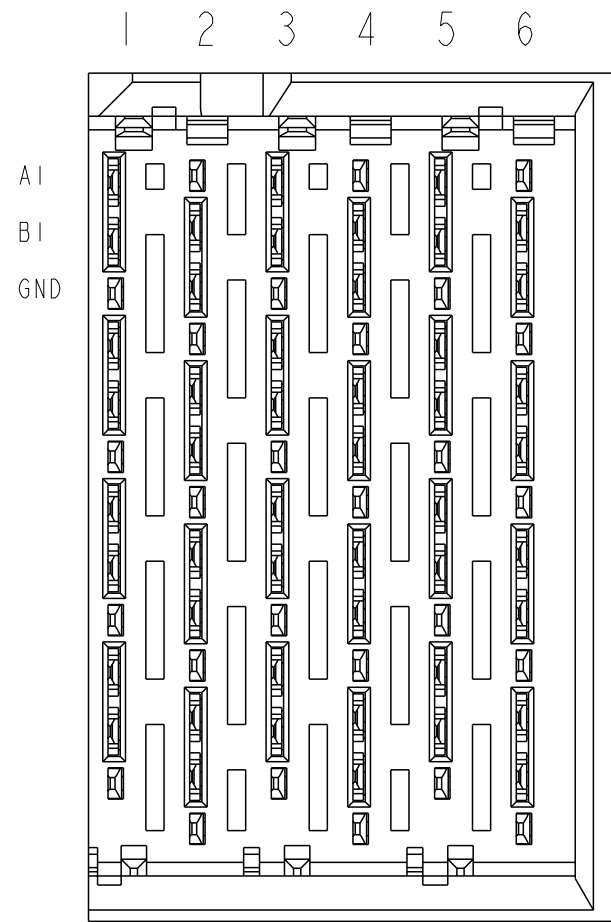
Copyright FCI.

spec ref	-	dr	Yong-Keat Lim	2012/03/01	projection	mm	size	A2	scale	2:1
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.	10120128	rev	B
TOLERANCES UNLESS OTHERWISE SPECIFIED		FCI		MODULE ASSEMBLY, XCEDE HD		Vertical Header, 4 Pair 6 Column		Product - Customer Drw		sheet 3 of 8
linear		0.X	±0.3	angular		0°	±2°	STATUS:Released		Printed: Apr 10, 2013

PDS: Rev :B

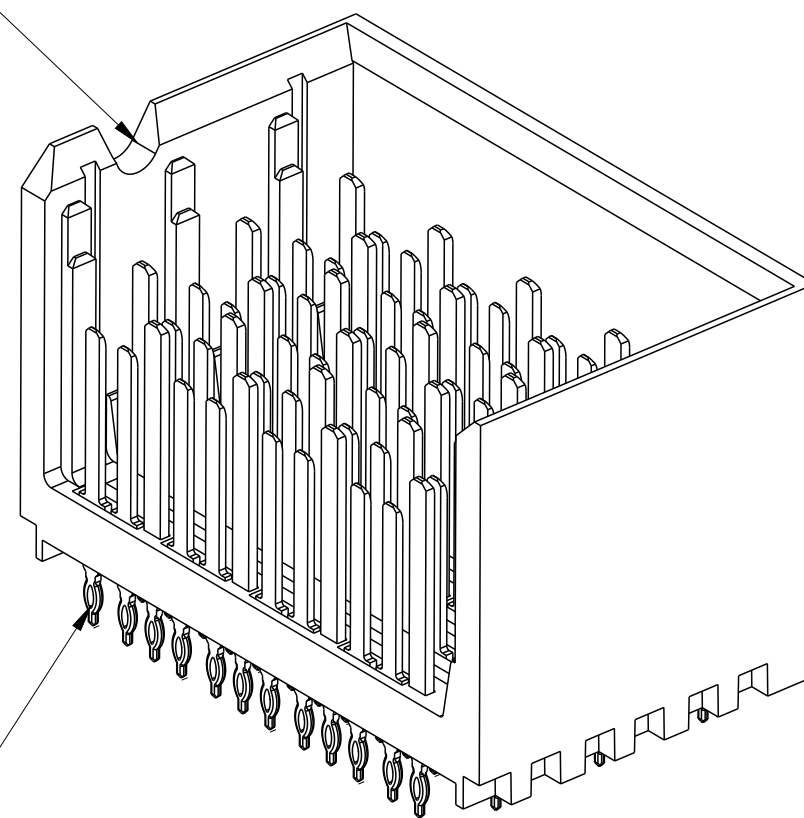
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Printed: Apr 10, 2013



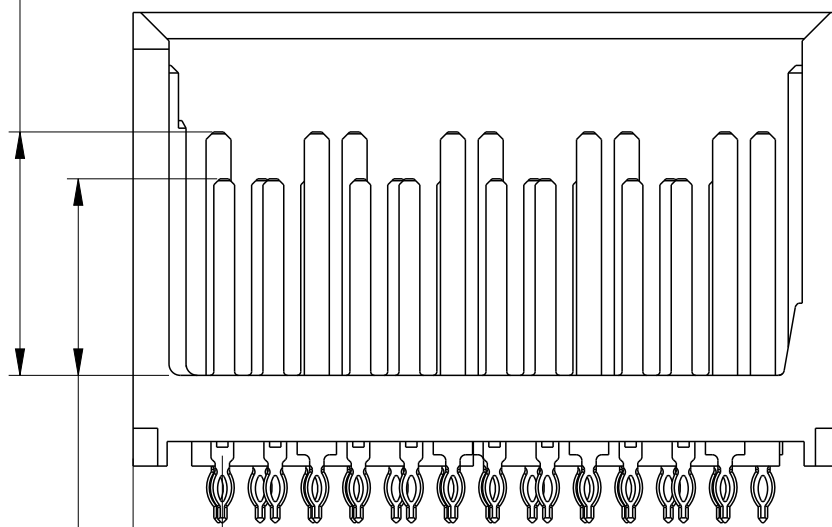
SEE NOTE 5

PIN AI



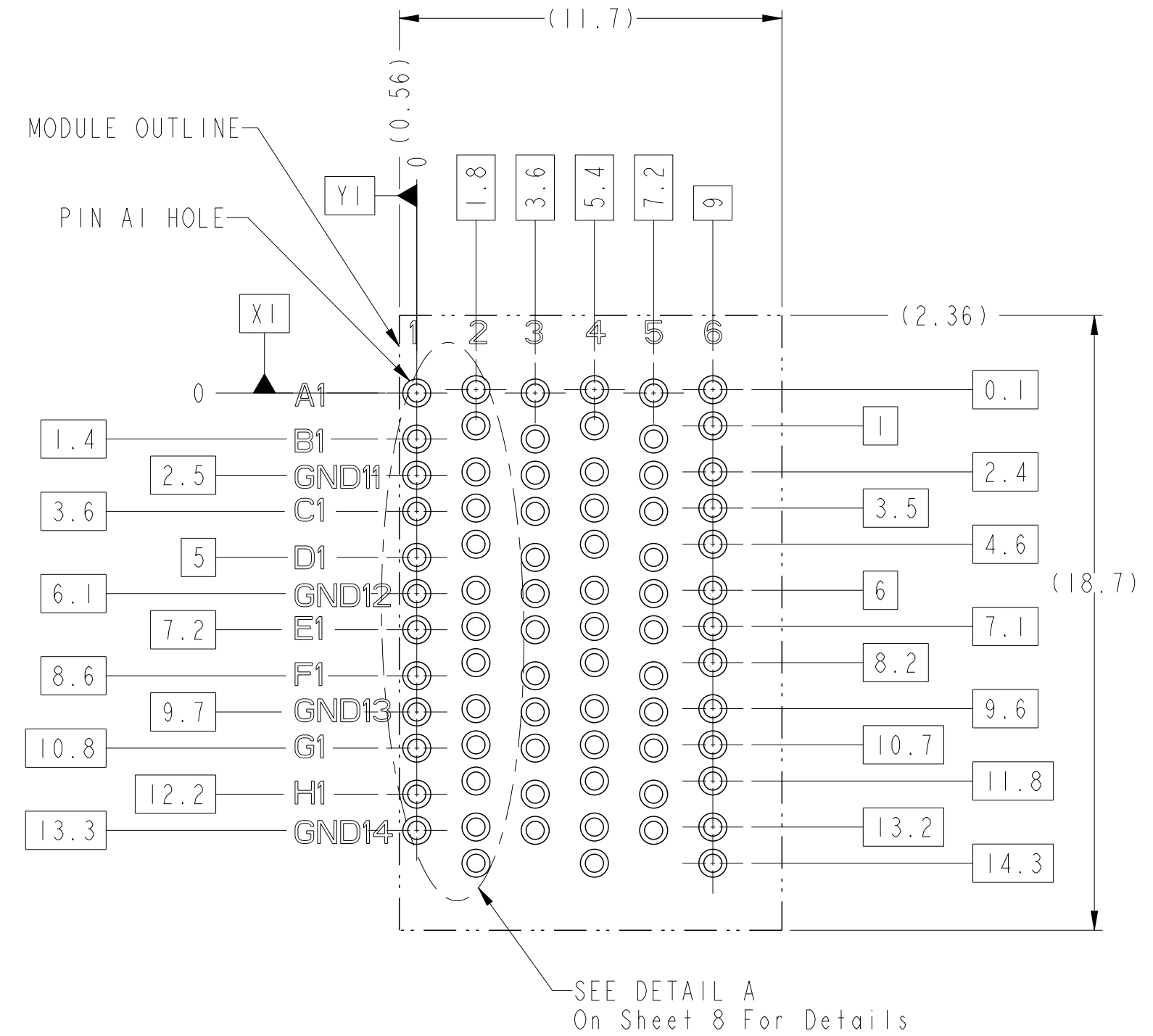
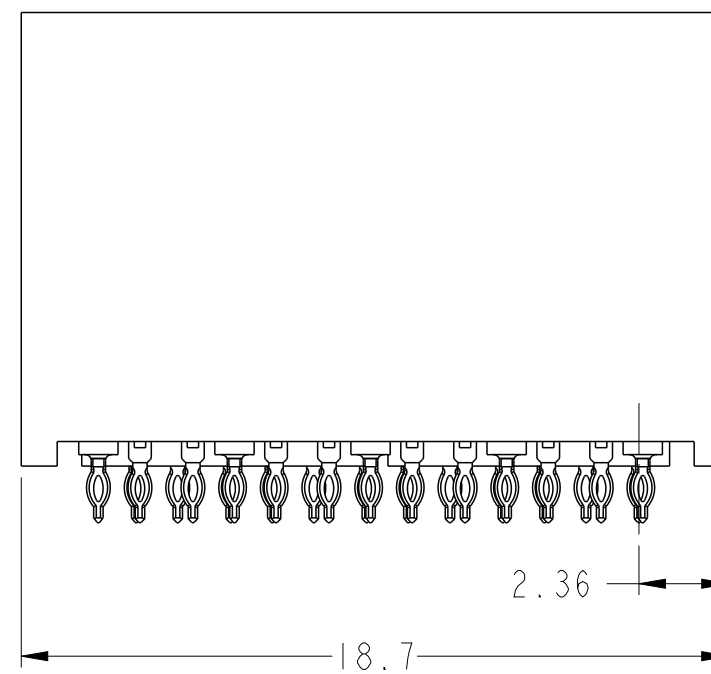
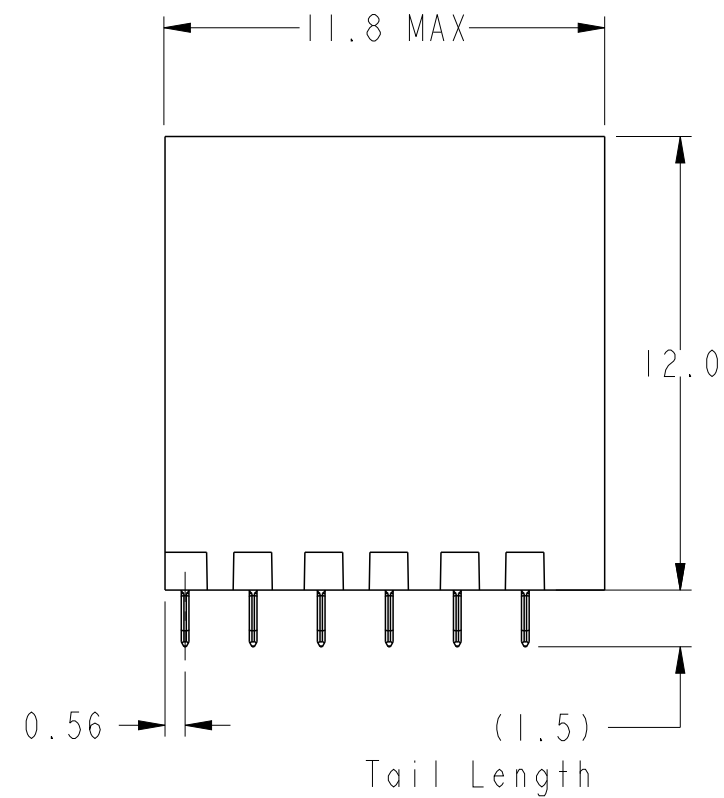
RIGHT WALL MODULE

(6.4)
For 4MM Wipe Ground
(5.4)
For 3MM Wipe Ground



2.36

(5.2)
For 3MM Wipe Signal
(4.2)
For 2MM Wipe Signal



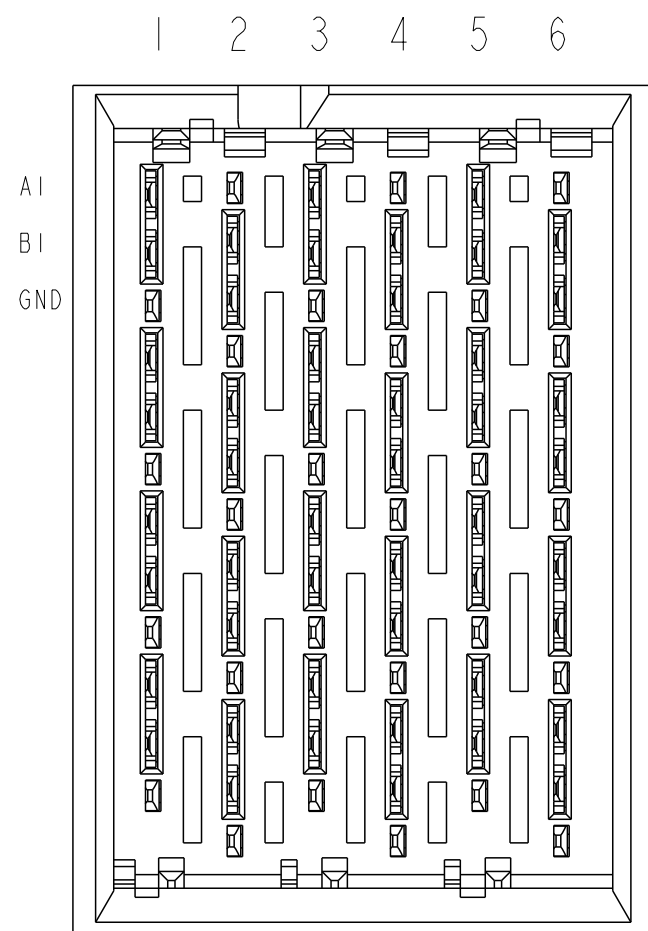
BP HOLE PATTERN COMPONENT SIDE RIGHT WALL MODULE BACKPLANE FOOTPRINT

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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	cat. no.	10120128	rev	B
TOLERANCES UNLESS OTHERWISE SPECIFIED		linear	0.X	±0.3	www.fci.com		Module Assembly, XCEDE HD Vertical Header, 4 Pair 6 Column		Product - Customer Drw	
		angular	0°	±2°						

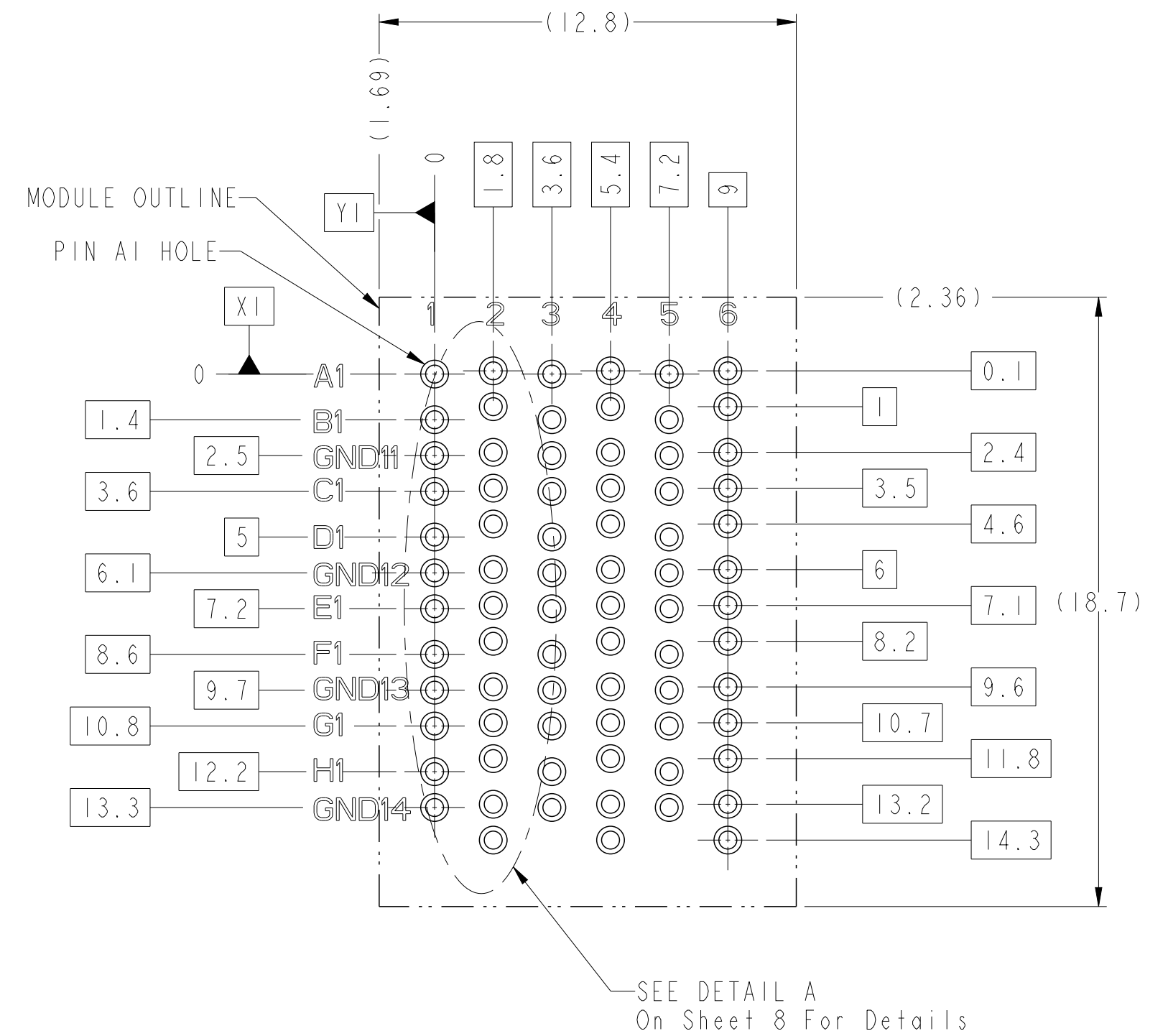
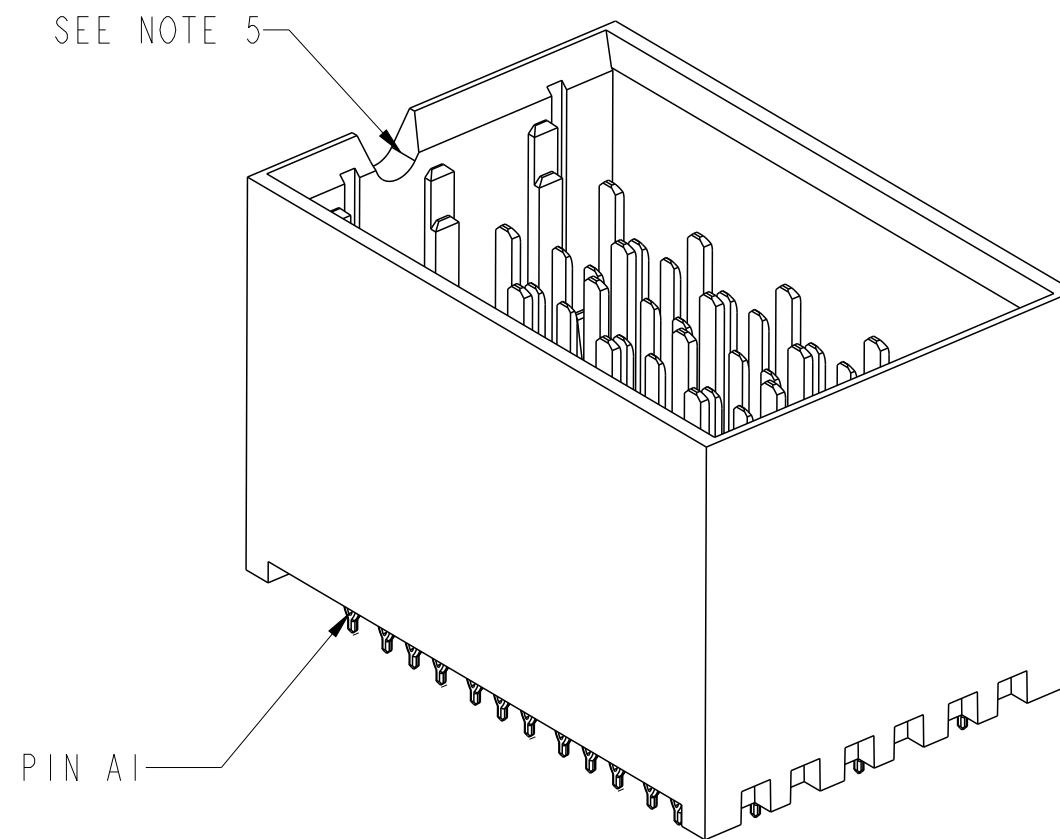
PDS: Rev B

STATUS: Released

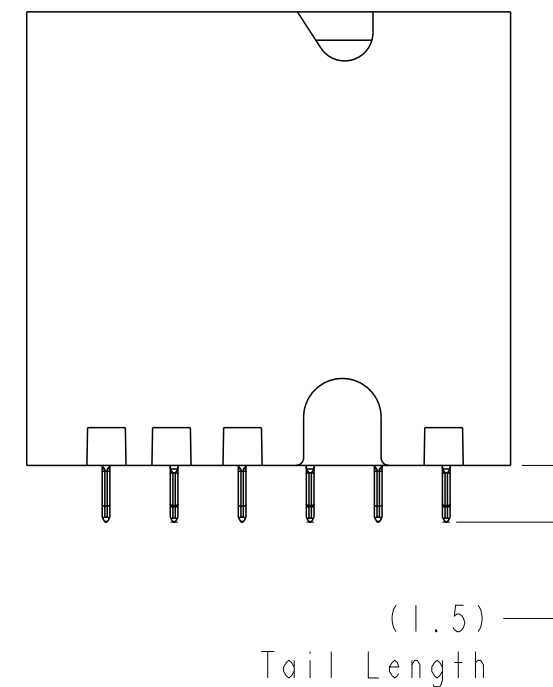
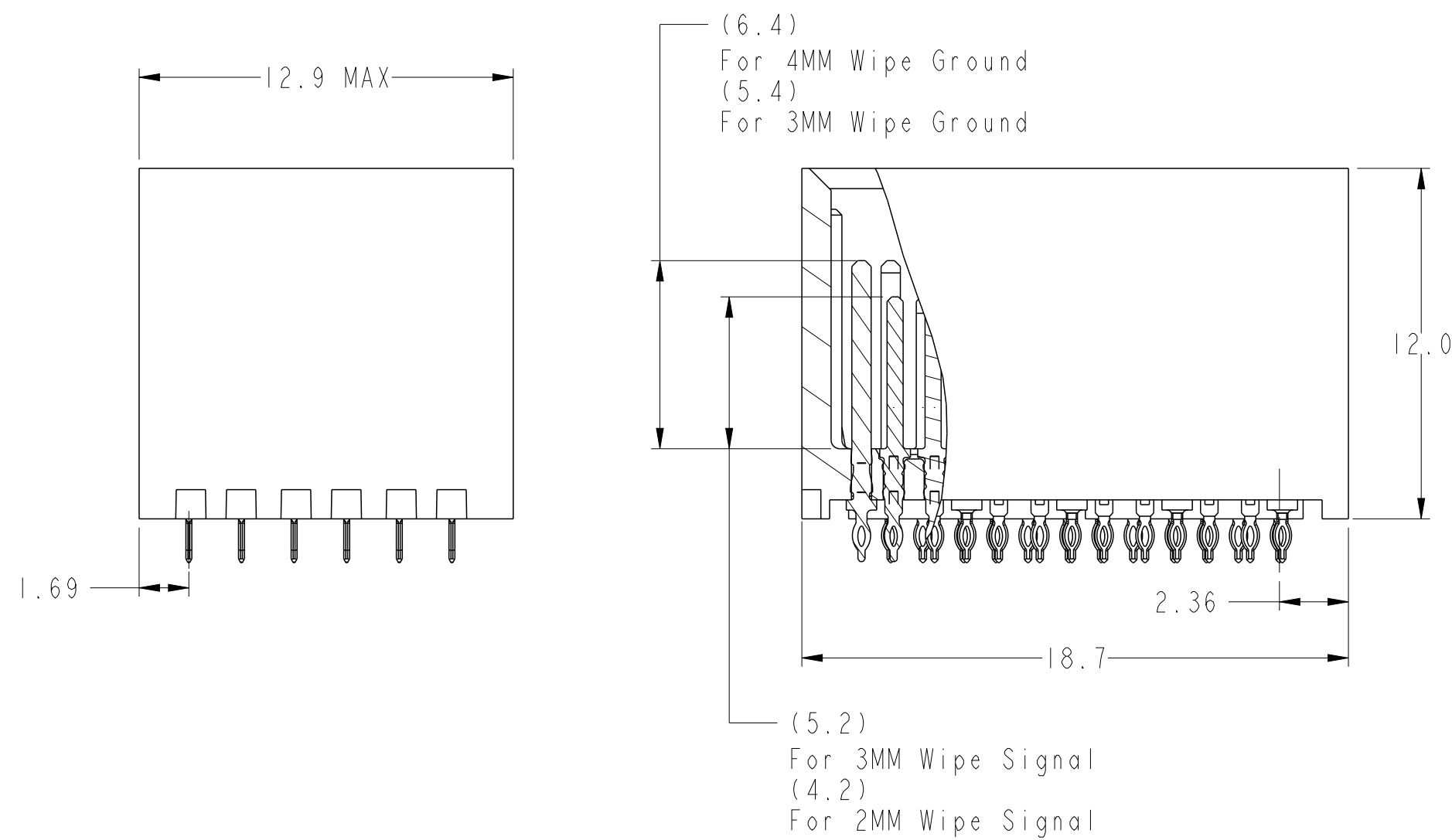
Printed: Apr 10, 2013



TWO WALL MODULE



BP HOLE PATTERN COMPONENT SIDE
TWO WALL MODULE BACKPLANE FOOTPRINT

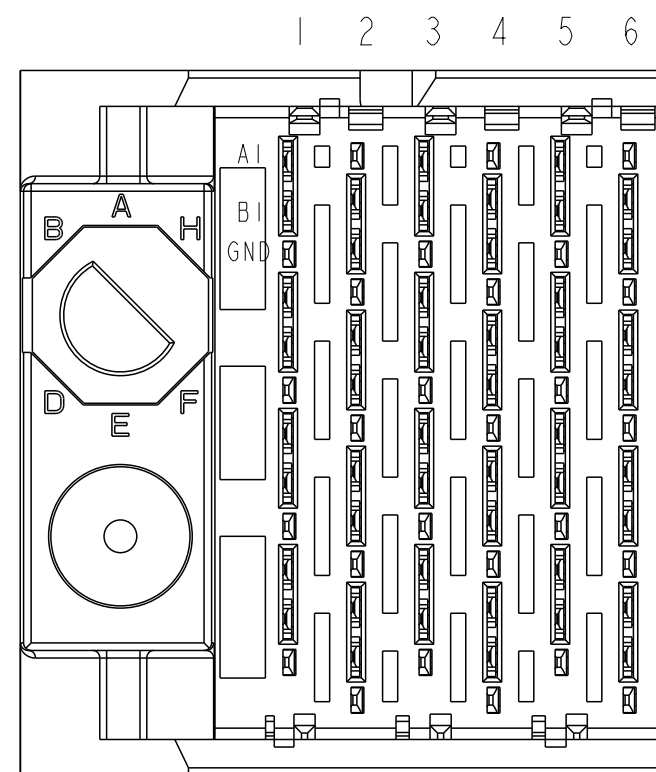


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tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20	chr	-	ecn no	ELX-S-14229-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD	rel level	Released	rev	B
TOLERANCES UNLESS OTHERWISE SPECIFIED		FCI		MODULE ASSEMBLY, XCEDE HD		10120128		Vertical Header, 4 Pair 6 Column		sheet 5 of 8
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.050	angular	0° ±2°	www.fci.com	cat. no.	-	Product - Customer Drw			

PDS: Rev :B

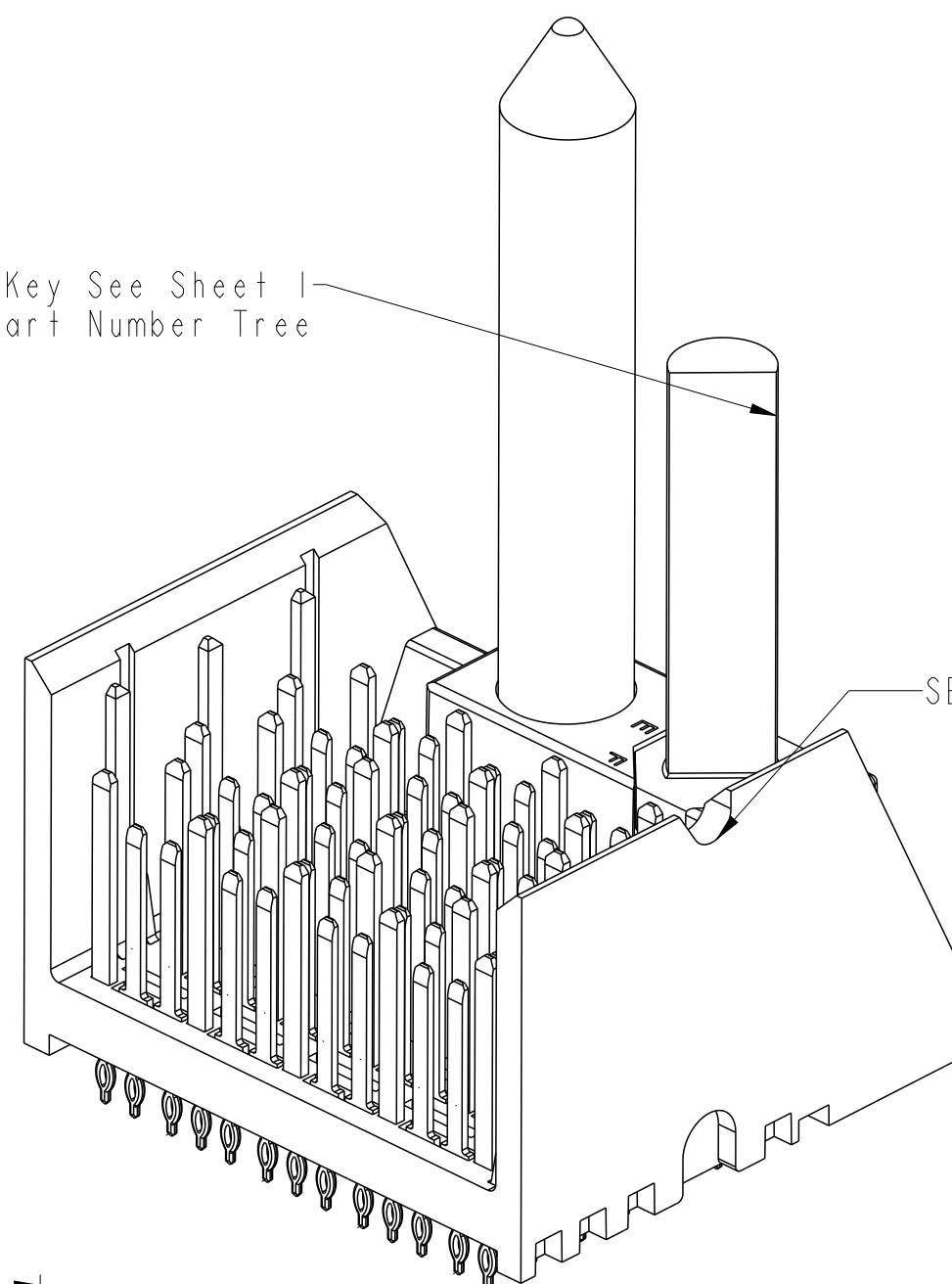
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Printed: Apr 10, 2013

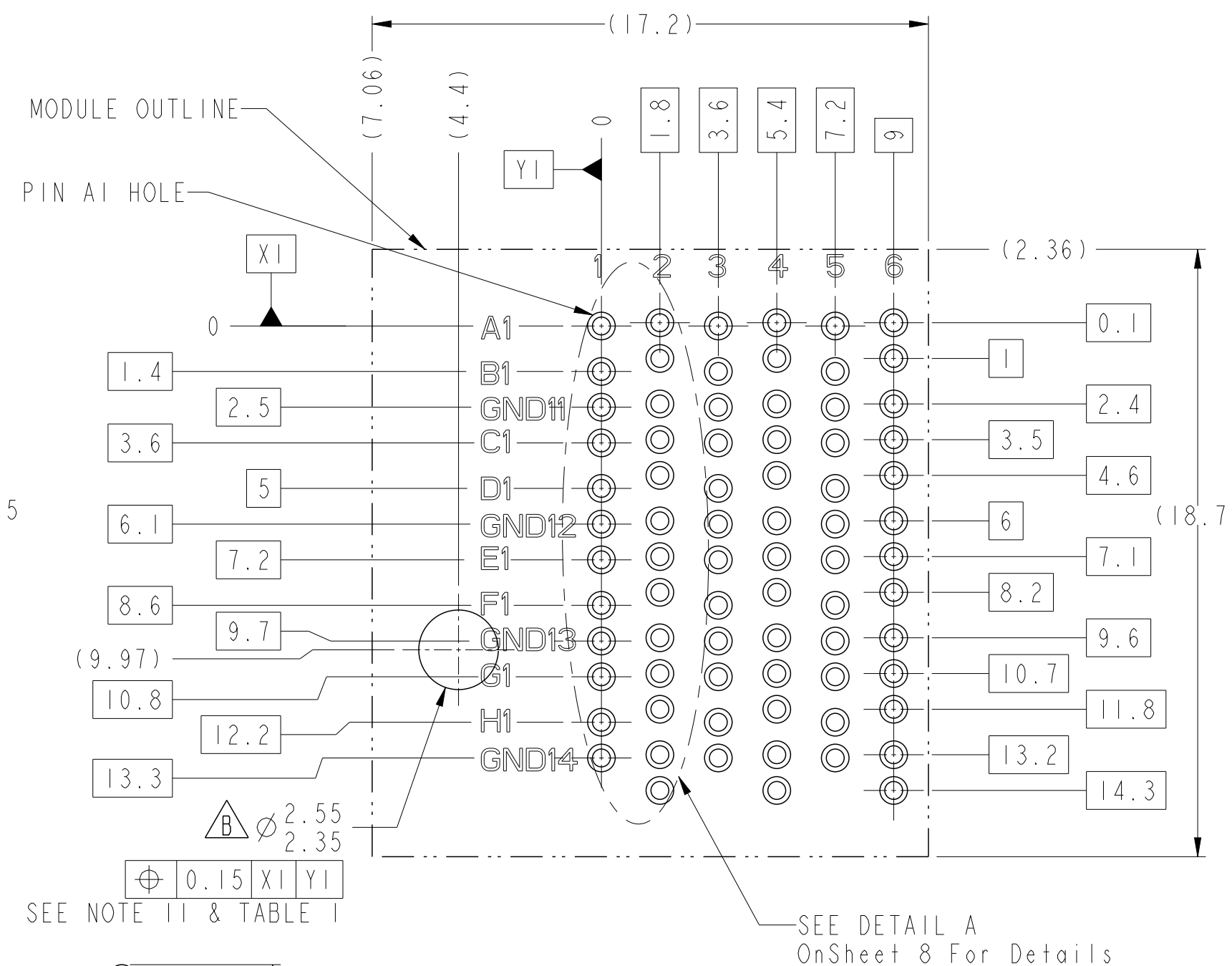


LEFT POLARIZING/GUIDE MODULE

Optional Key See Sheet 1
Part Number Tree

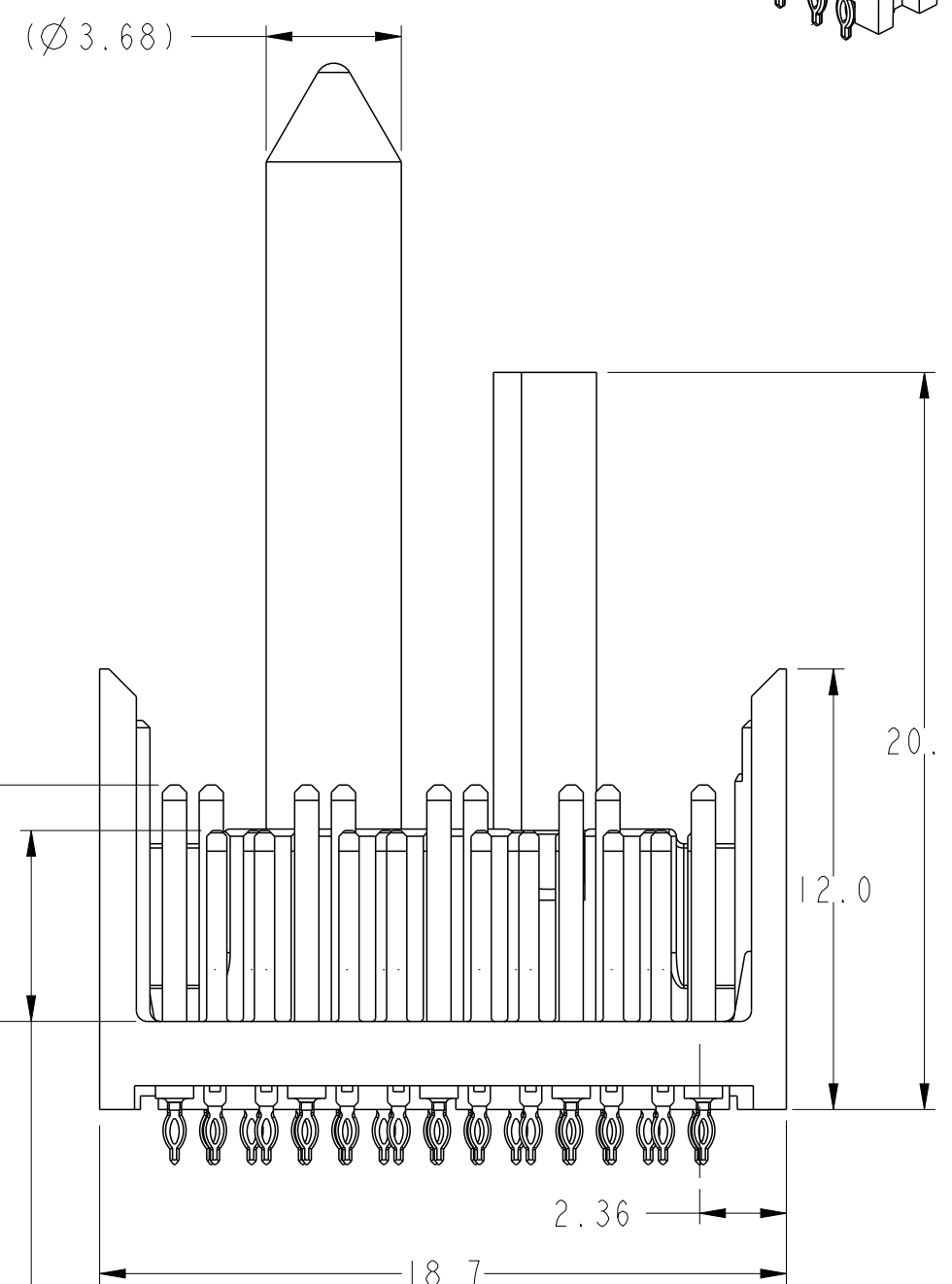
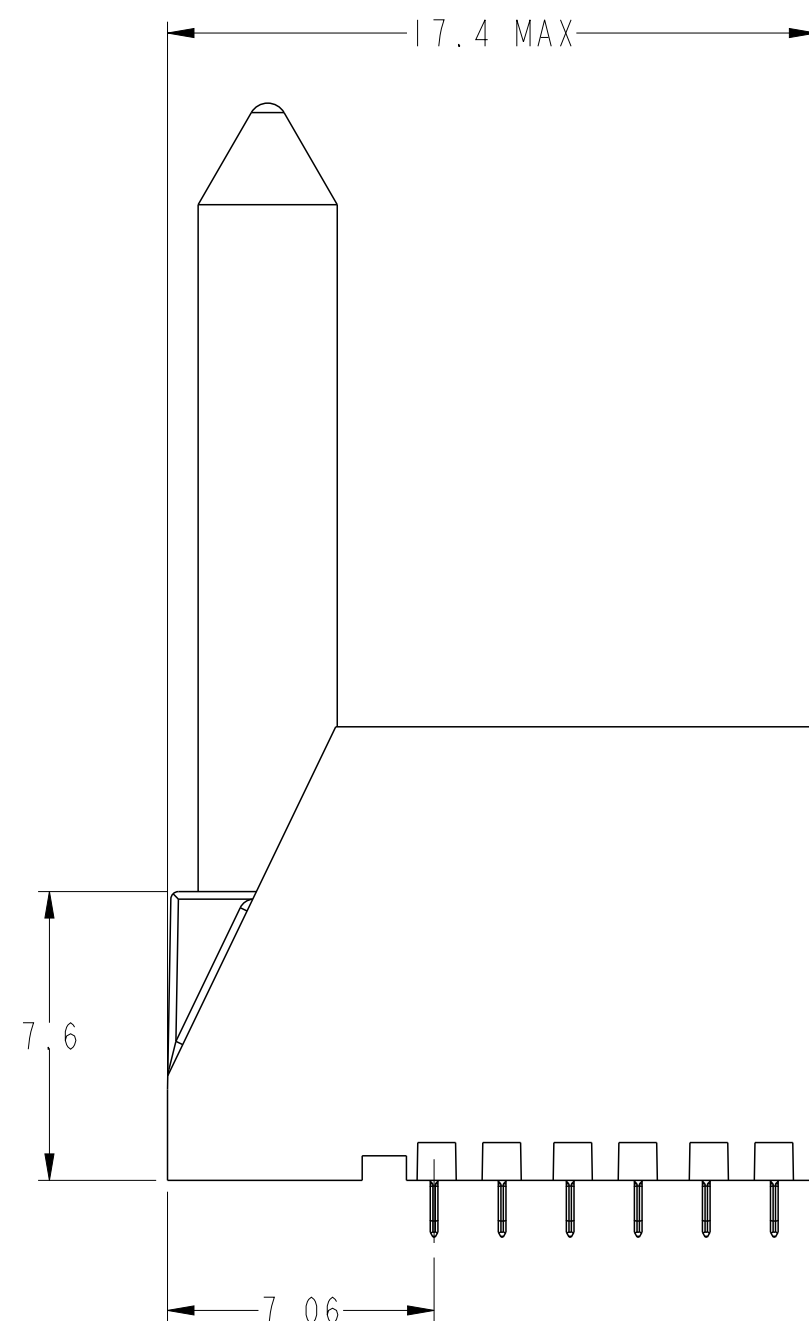


SEE NOTE 5

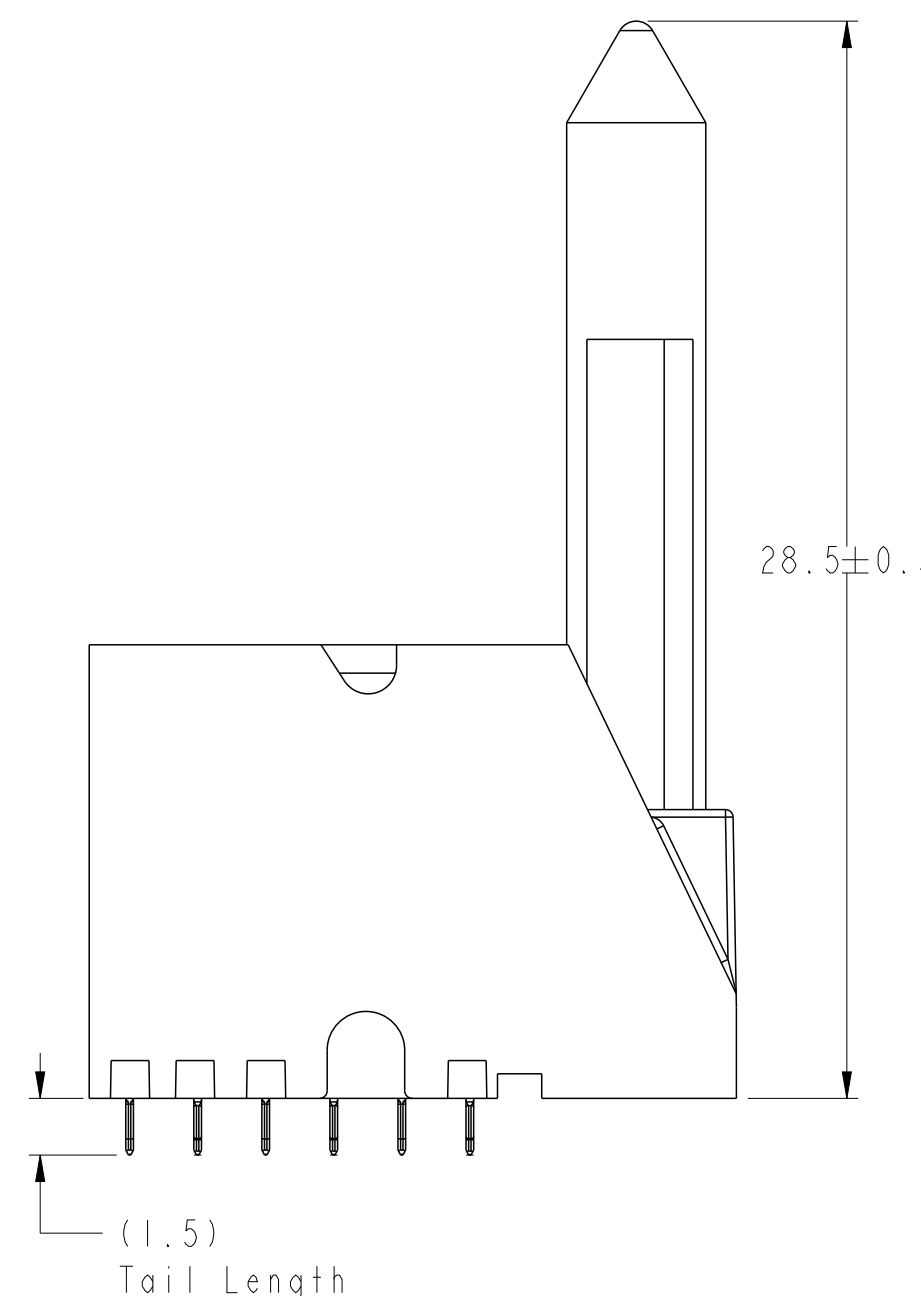


SEE DETAIL A
OnSheet 8 For Details

BP HOLE PATTERN COMPONENT SIDE
LEFT POLARIZING GUIDE MODULE
BACKPLANE FOOTPRINT



(5.2)
For 3MM Wipe Signal
(4.2)
For 2MM Wipe Signal
(6.4)
For 4MM Wipe Ground
(5.4)
For 3MM Wipe Ground

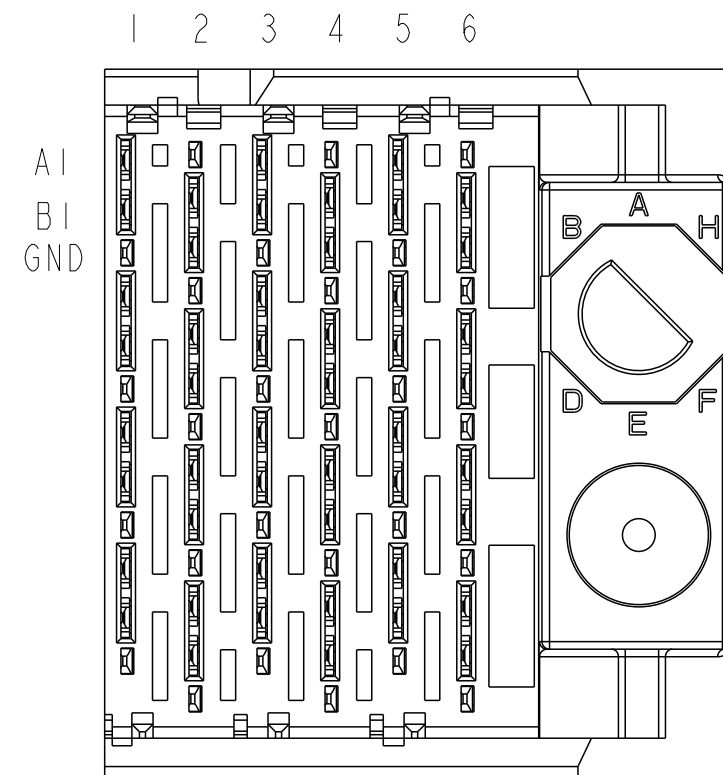


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tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20	chr	-	ecn no	ELX-S-14229-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD	cat. no.	10120128	rev	B
TOLERANCES UNLESS OTHERWISE SPECIFIED		linear		0.X	±0.3	angular		0°	±2°	
				0.XX	±0.10					
				0.XXX	±0.050					

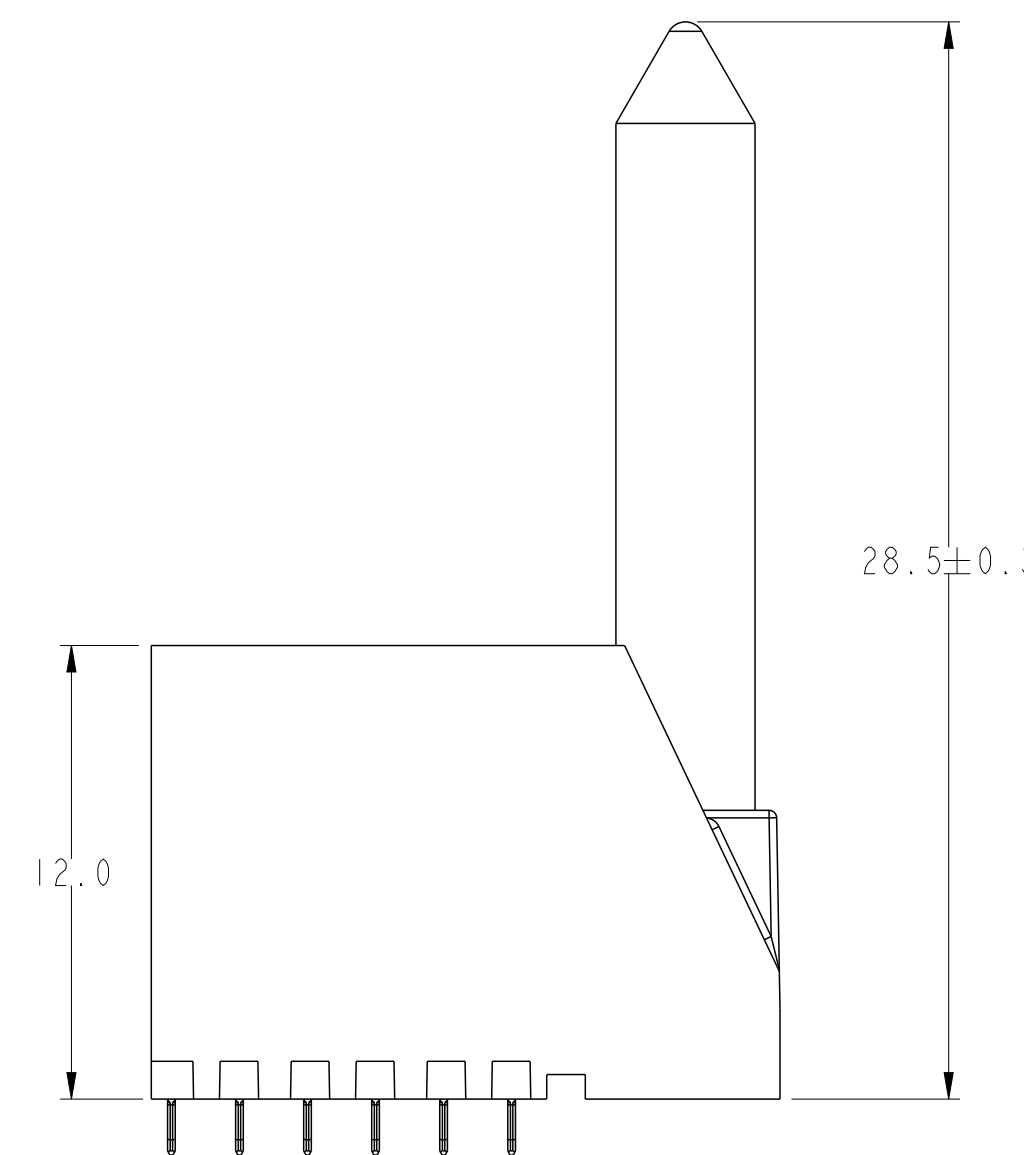
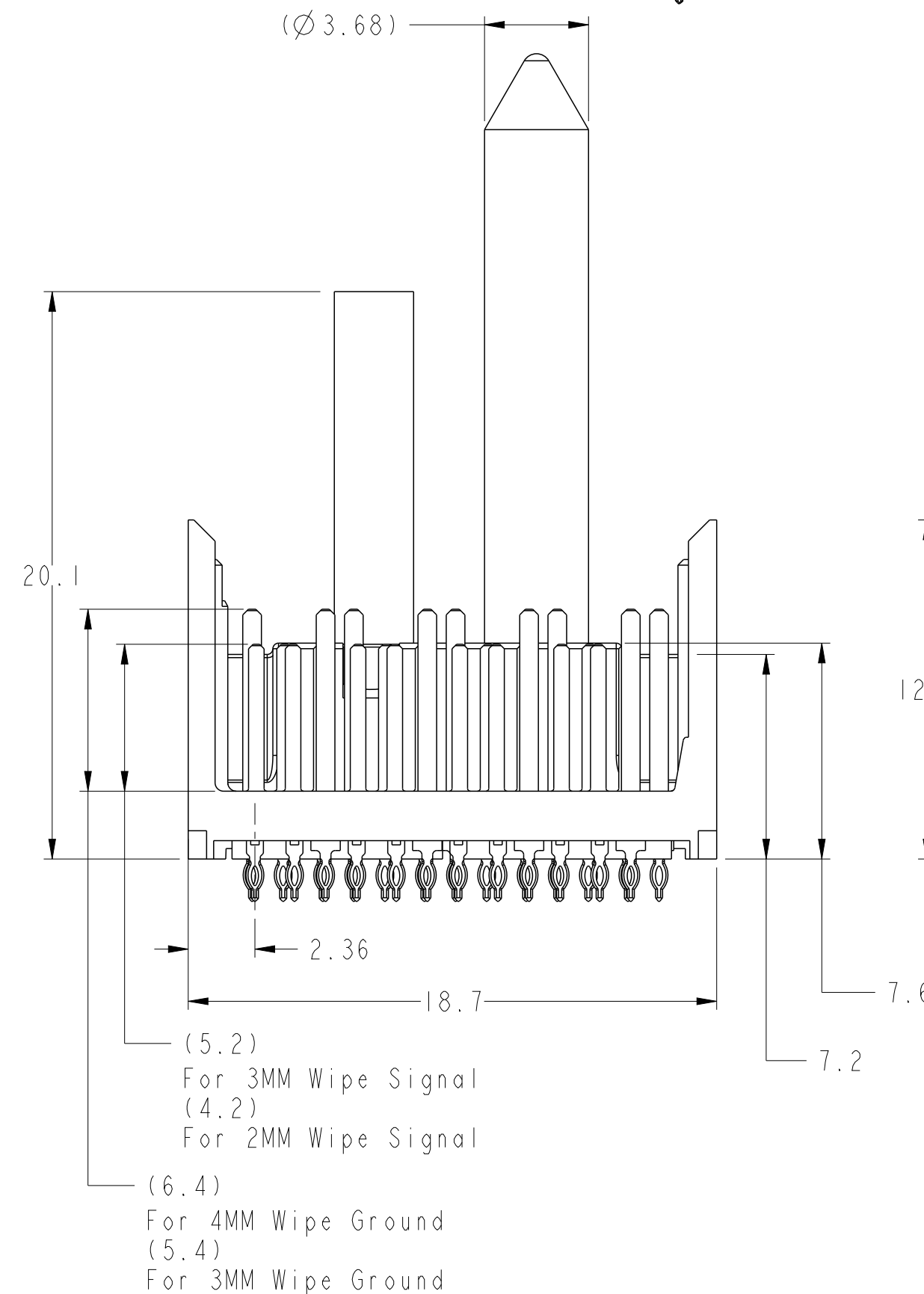
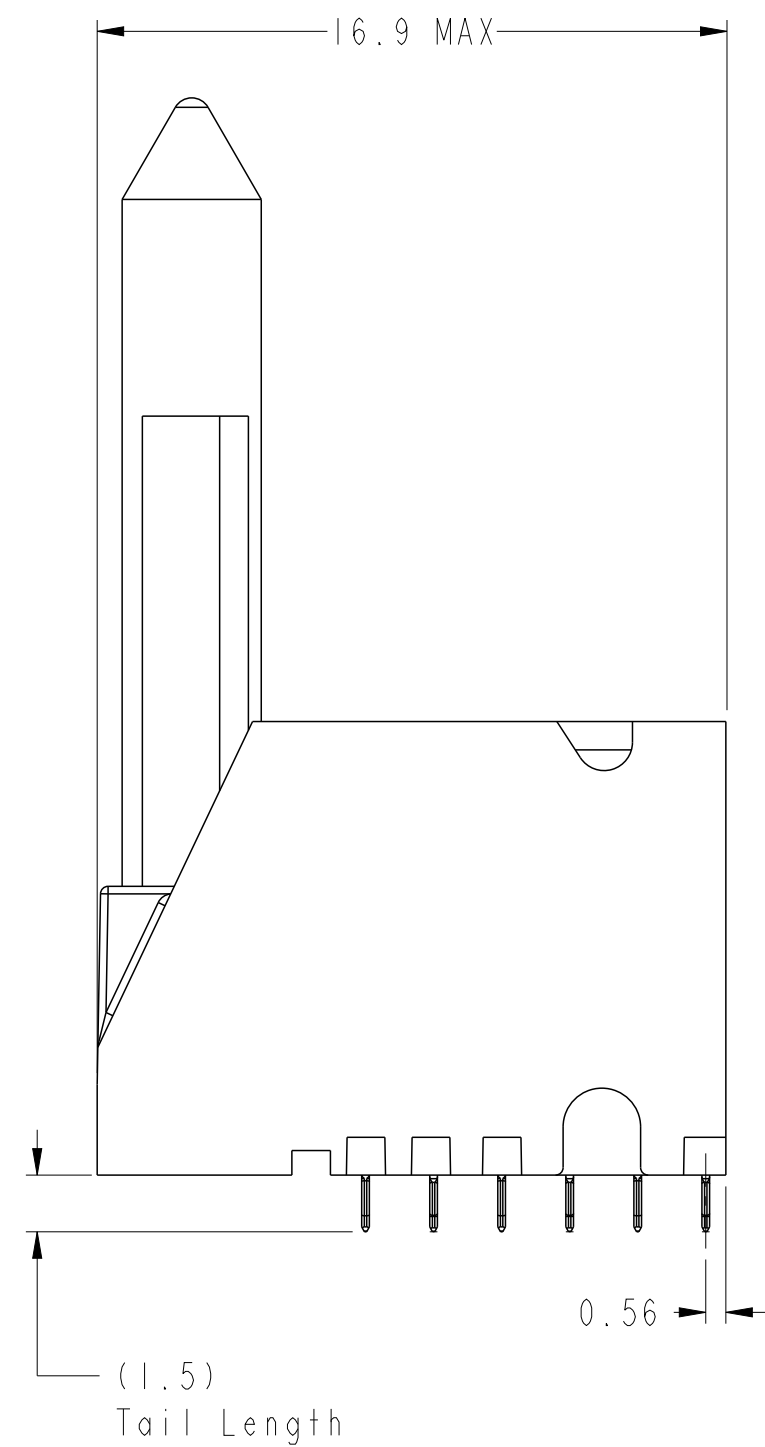
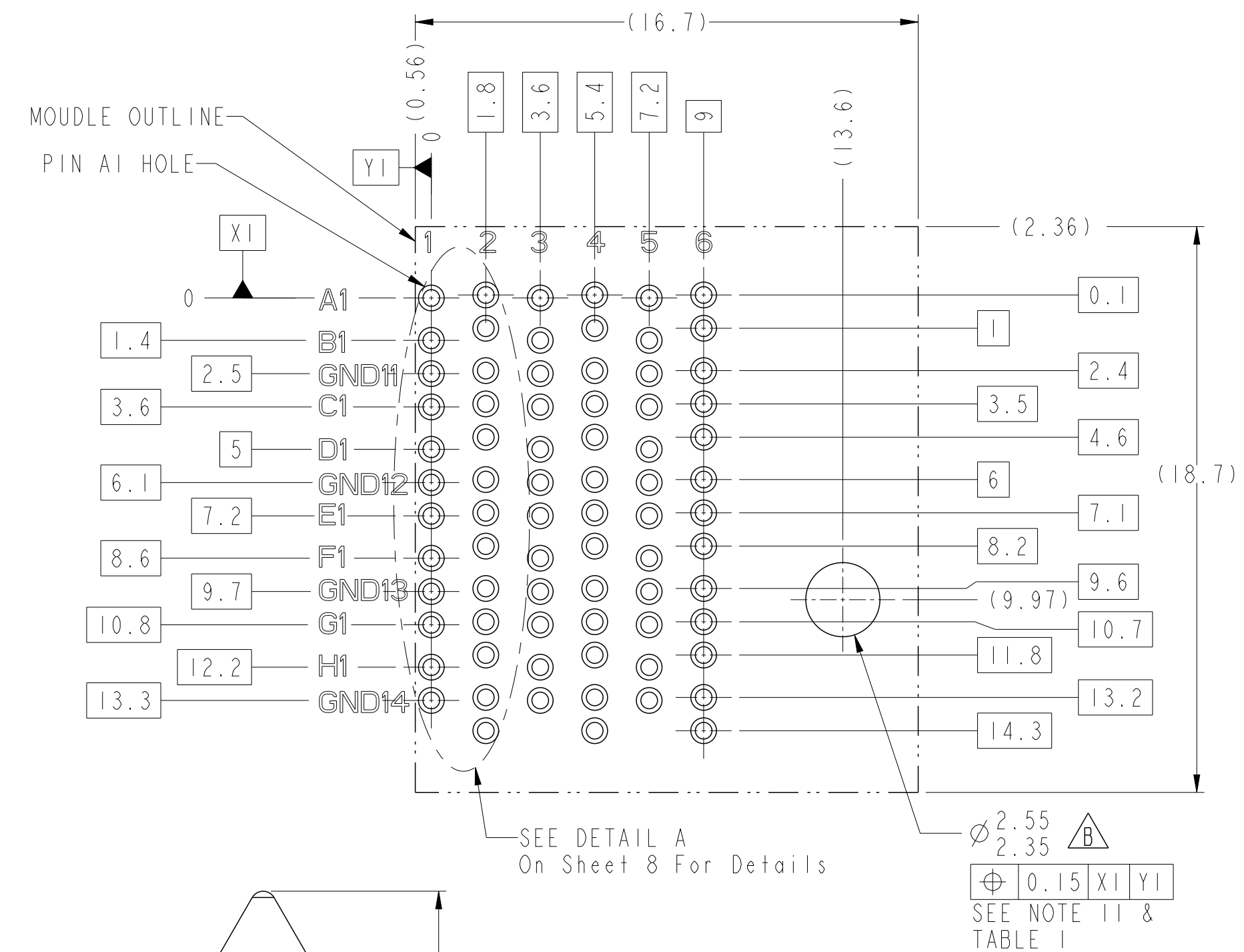
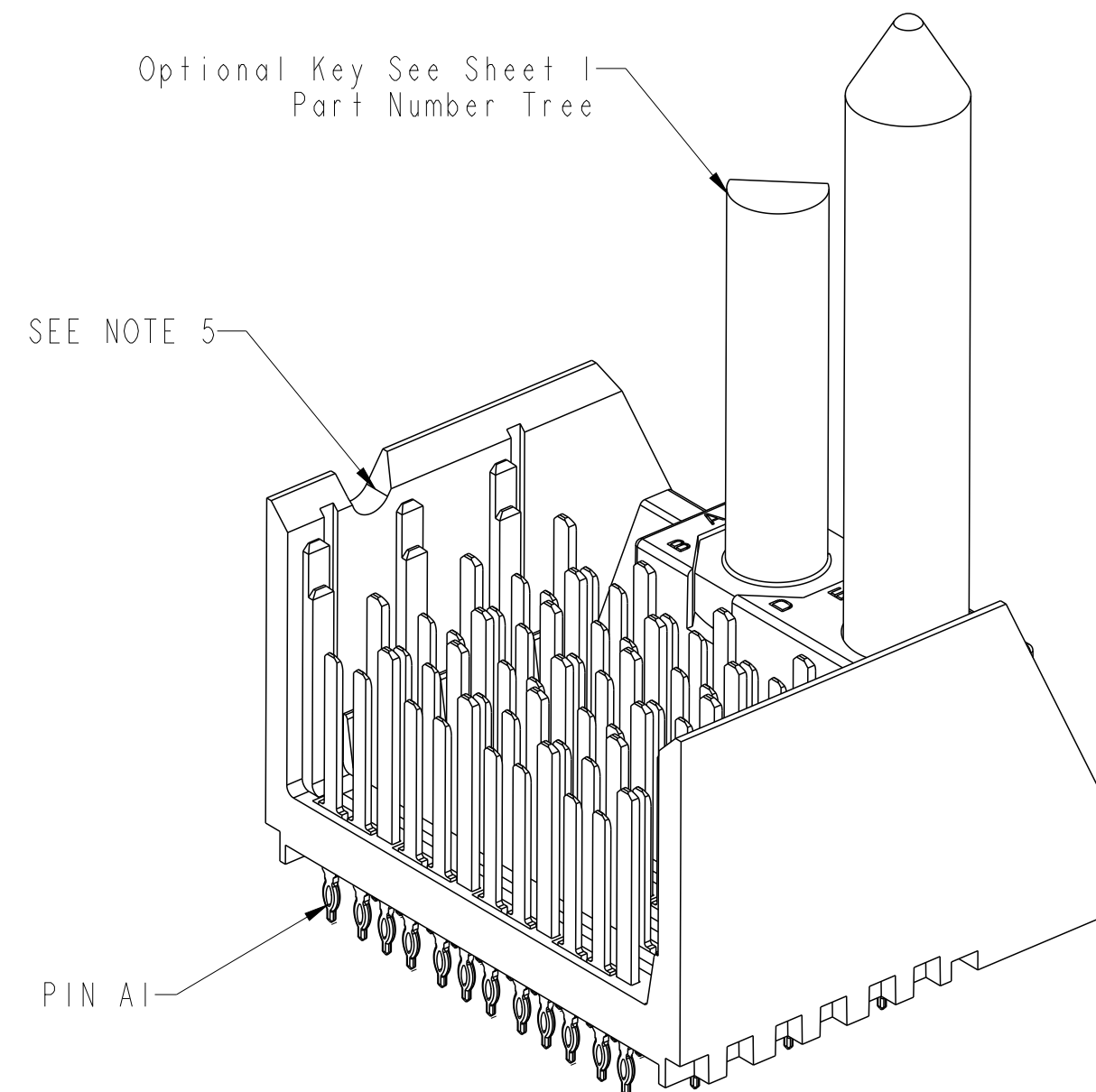
PDS: Rev :B

STATUS:Released

Printed: Apr 10, 2013



RIGHT POLARIZING/GUIDE MOUDLE



BP HOLE PATTERN COMPONENT SIDE
RIGHT POLAIZING/GUIDE MODULE
BACKPLANE FOOTPRINT

spec ref	-	dr	Yong-Keat Lim	2012/03/01	projection	mm	size	A2	scale	2:1
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.	10120128	rev	B
TOLERANCES UNLESS OTHERWISE SPECIFIED		linear		0.X	±0.3	angular		0°	±2°	
				0.XX	±0.10					
				0.XXX	±0.050					

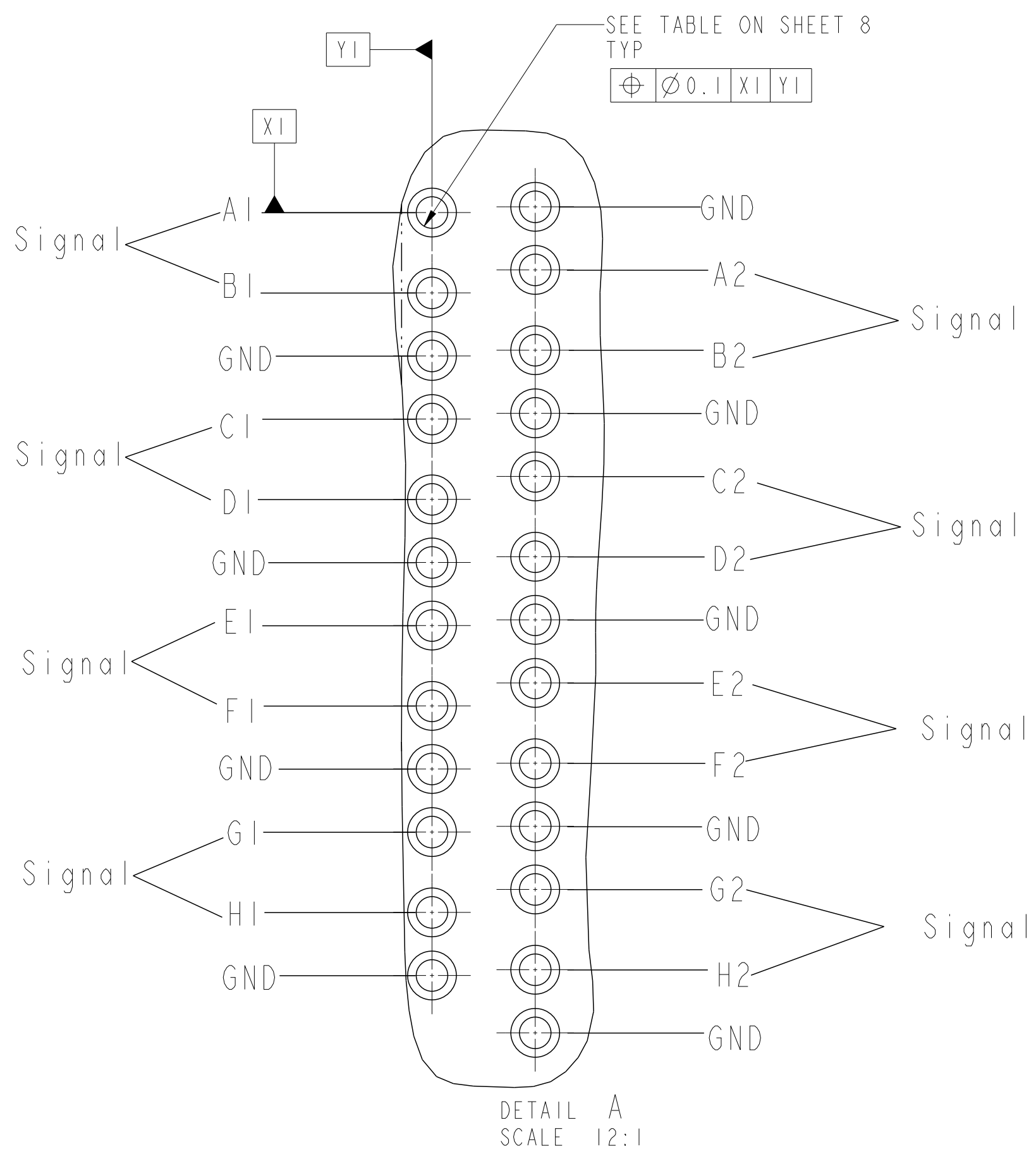


TABLE 3		
	COMPLIANT PIN DRILL Ø0.55[0.0217"]	COMPLIANT PIN DRILL Ø0.45[0.0177"]
PTH	Ø0.45±0.05	Ø0.36±0.05
DRILL	Ø0.55 [0.0217"]	Ø0.45 [0.0177"]
PAD	Ø0.85	Ø0.75

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 (10120128-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 **B** SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE THAT HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.
- B** (11) OPTIONAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE-PIN SUPPORT. SEE TABLE 1 SHEET 1 FOR ADDITIONAL DETAILS.
- B** (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		2012/03/01		projection		mm		size		A2		scale		2:1	
tolerance std		ISO 406		eng		Sandar Soe		2013/03/20		chr		-		-		ecn no		ELX-S-14229-1		rel level	
ISO 1101		TOLERANCES UNLESS OTHERWISE SPECIFIED		appr		Chen-Hong Tan		2013/04/09		product family		XCEDE HD		no		10120128		rev		Released	
surface		ISO 1302		linear		0.X		±0.3		FCI		MODULE ASSEMBLY, XCEDE HD		Vertical Header, 4 Pair 6 Column		cat. no.		-		Product - Customer Drw	
						0.XX		±0.10													
						0.XXX		±0.050													
				angular		0°		±2°		www.fci.com										sheet 8 of 8	

Mouser Electronics

Authorized Distributor

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FCI / Amphenol:

<u>10120128-10C-10DLF</u>	<u>10120128-V0C-50DLF</u>	<u>10120128-T0C-30DLF</u>	<u>10120128-Q0C-70DLF</u>	<u>10120128-J0C-30DLF</u>
<u>10120128-M0C-50DLF</u>	<u>10120128-E0C-60DLF</u>	<u>10120128-G0C-20DLF</u>	<u>10120128-U0C-40DLF</u>	<u>10120128-L0C-70DLF</u>
<u>10120128-G0C-10DLF</u>	<u>10120128-J0C-40DLF</u>	<u>10120128-D0C-30DLF</u>	<u>10120128-00C-20DLF</u>	<u>10120128-S0C-70DLF</u>
<u>10120128-H0C-40DLF</u>	<u>10120128-W0C-70DLF</u>	<u>10120128-10C-40DLF</u>	<u>10120128-P0C-60DLF</u>	<u>10120128-B0C-70DLF</u>
<u>10120128-F0C-50DLF</u>	<u>10120128-J0C-60DLF</u>	<u>10120128-R0C-50DLF</u>	<u>10120128-W0C-40DLF</u>	<u>10120128-Y0C-20DLF</u>
<u>10120128-L0C-60DLF</u>	<u>10120128-U0C-70DLF</u>	<u>10120128-R0C-10DLF</u>	<u>10120128-T0C-40DLF</u>	<u>10120128-V0C-30DLF</u>
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<u>10120128-V0C-10DLF</u>	<u>10120128-U0C-10DLF</u>	<u>10120128-L0C-30DLF</u>	<u>10120128-B0C-20DLF</u>	<u>10120128-Y0C-70DLF</u>
<u>10120128-Q0C-30DLF</u>	<u>10120128-P0C-50DLF</u>	<u>10120128-10C-70DLF</u>	<u>10120128-S0C-30DLF</u>	<u>10120128-H0C-10DLF</u>
<u>10120128-E0C-30DLF</u>	<u>10120128-S0C-40DLF</u>	<u>10120128-00C-70DLF</u>	<u>10120128-Y0C-80DLF</u>	<u>10120128-D0C-80DLF</u>
<u>10120128-G0C-50DLF</u>	<u>10120128-P0C-20DLF</u>	<u>10120128-10C-30DLF</u>	<u>10120128-R0C-80DLF</u>	<u>10120128-W0C-10DLF</u>
<u>10120128-V0C-20DLF</u>	<u>10120128-P0C-40DLF</u>	<u>10120128-U0C-80DLF</u>	<u>10120128-A0C-10DLF</u>	<u>10120128-A0C-20DLF</u>
<u>10120128-L0C-10DLF</u>	<u>10120128-C0C-50DLF</u>	<u>10120128-F0C-20DLF</u>	<u>10120128-B0C-40DLF</u>	<u>10120128-00C-10DLF</u>
<u>10120128-F0C-30DLF</u>	<u>10120128-C0C-70DLF</u>	<u>10120128-G0C-30DLF</u>	<u>10120128-Y0C-60DLF</u>	<u>10120128-M0C-20DLF</u>
<u>10120128-H0C-50DLF</u>	<u>10120128-00C-50DLF</u>	<u>10120128-Q0C-40DLF</u>	<u>10120128-U0C-20DLF</u>	<u>10120128-10C-50DLF</u>
<u>10120128-B0C-10DLF</u>	<u>10120128-V0C-80DLF</u>	<u>10120128-R0C-60DLF</u>	<u>10120128-F0C-80DLF</u>	<u>10120128-T0C-80DLF</u>
<u>10120128-C0C-30DLF</u>	<u>10120128-S0C-20DLF</u>	<u>10120128-E0C-20DLF</u>	<u>10120128-E0C-50DLF</u>	<u>10120128-H0C-30DLF</u>
<u>10120128-A0C-30DLF</u>	<u>10120128-B0C-50DLF</u>	<u>10120128-U0C-50DLF</u>	<u>10120128-W0C-50DLF</u>	<u>10120128-M0C-</u>
<u>40DLF</u>	<u>10120128-Q0C-50DLF</u>	<u>10120128-Q0C-60DLF</u>	<u>10120128-U0C-60DLF</u>	<u>10120128-B0C-60DLF</u>
<u>10120128-P0C-</u>	<u>10120128-00C-60DLF</u>	<u>10120128-A0C-40DLF</u>	<u>10120128-F0C-60DLF</u>	<u>10120128-R0C-70DLF</u>
<u>10DLF</u>	<u>10120128-A0C-</u>	<u>60DLF</u>	<u>10120128-A0C-</u>	<u>60DLF</u>