

10120124 - X0E - XXXLF

LEAD-FREE DESIGNATION
ONLY WITH APPLICABLE
PLATING CODES

8-COLUMN
DIFFERENTIAL
SIGNAL

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

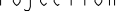
MODULE DESCRIPTION	LETTER DESIGNATION REPRESENTED IN DASH NUMBER										BASE MODULE
LEFT POLARIZING GUIDANCE MODULE (SEE SHEET 6)	N	J	A	B	C	D	E	F	G	H	
	NO KEY NO GUIDE PIN										
RIGHT POLARIZING GUIDANCE MODULE (SEE SHEET 7)	Z	Y	P	Q	R	S	T	U	V	W	
	NO KEY NO GUIDE PIN										
OPEN MODULE (TWO WALL) (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 10120124-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	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"

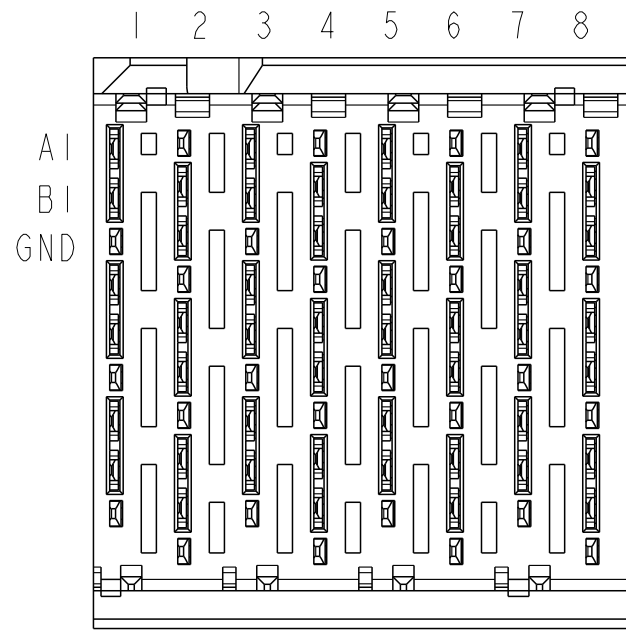
TABLE 2 (SEE NOTE 12)		
SCREW P/N	DESCRIPTION	BOARD THICKNESS
10091790-002LF	#2-56 X 0.375" LG. PHILIPS PANHEAD W/SQ CONICAL WASHER	1.60-5.00mm
10091790-003LF	#2-56 X 0.375" LG. PHILIPS PANHEAD W/SQ CONICAL WASHER	5.00-10.00mm

spec ref		-		dr		Yong-Keat Lim		2012/02/17		projection				MM		size		A2		scale		5:1											
tolerance std		ISO 406 ISO 1101		eng		Sandar Soe		2013/03/20		chr		-		ecn no		ELX-S-14229-1		rel level		Released													
		TOLERANCES UNLESS OTHERWISE SPECIFIED		appr		Chen-Hong Tan		2013/04/09		product family		XCEDE HD																					
surface		ISO 1302		linear		0.X		±0.3		0.XX		±0.10		0.XXX		±0.05		FCj		title		XCEDE HD VERTICAL HEADER		3 PAIR, 8 COLUMN STITCH HEADER		dwg no		10120124		rev		B	
				angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 1 of 8															

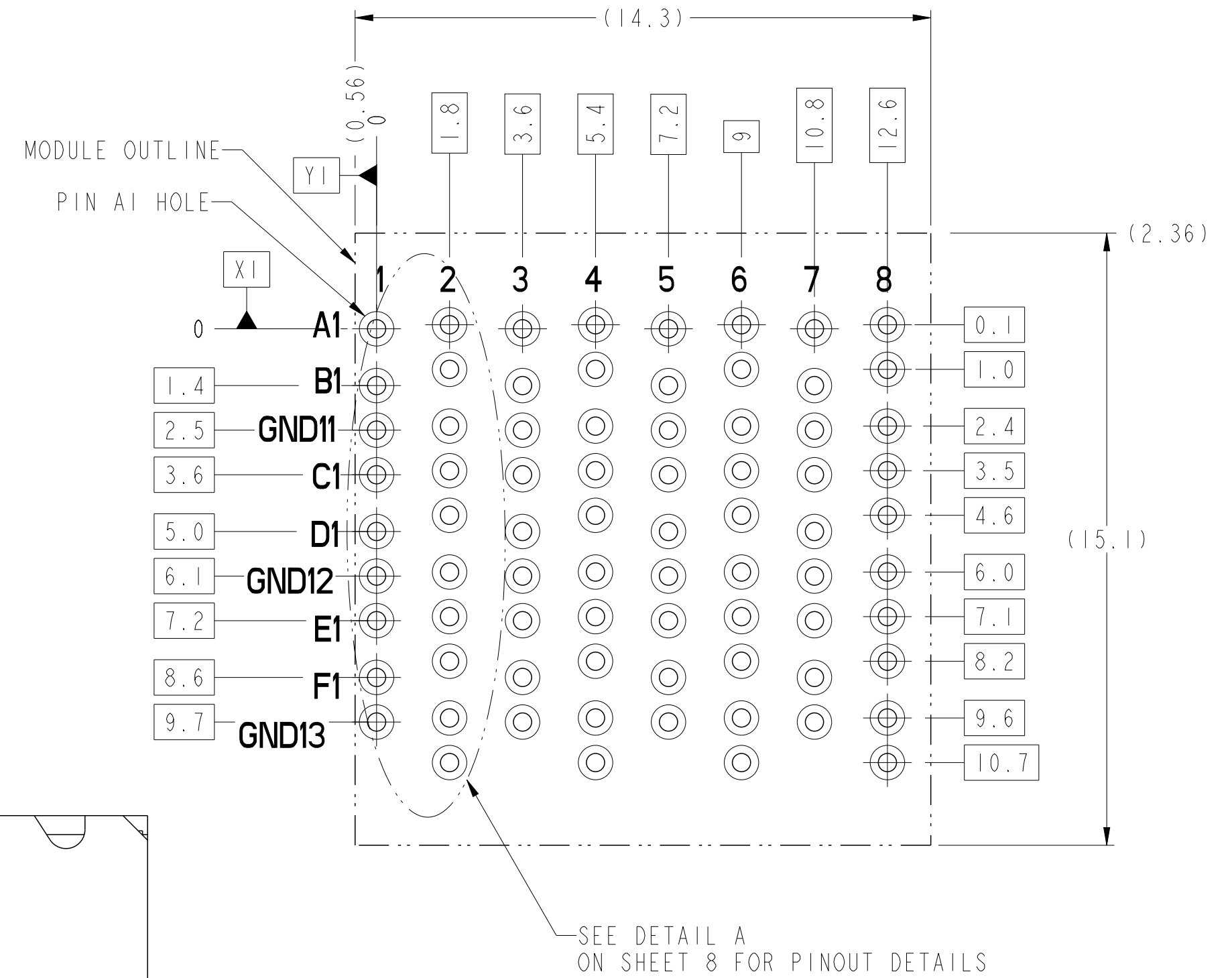
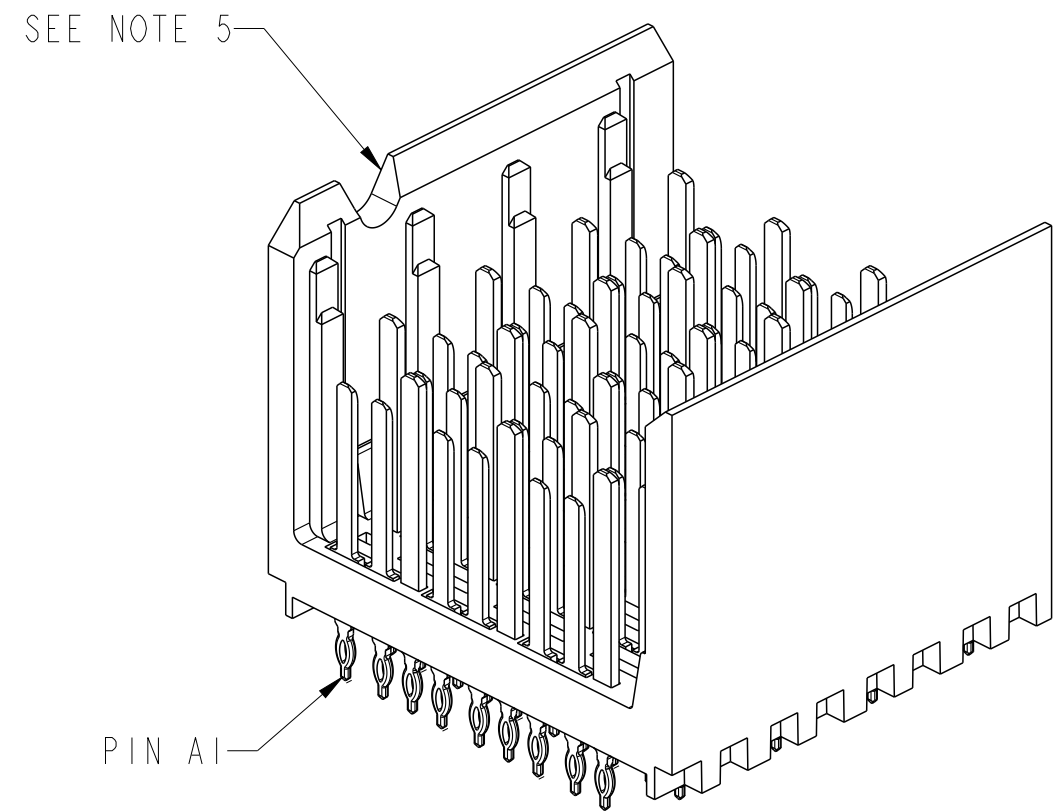
PDS: Rev :B

STATUS:Released

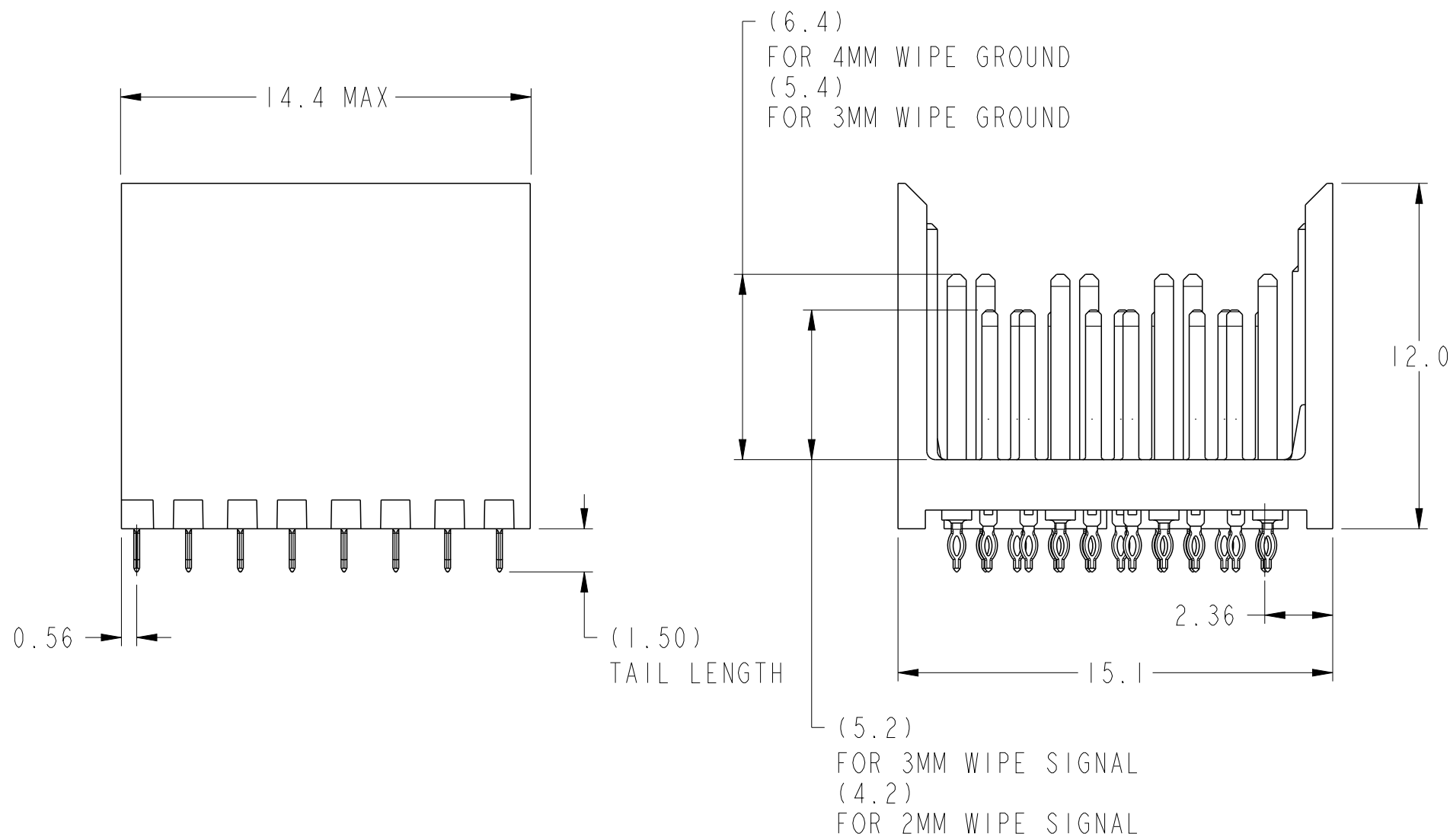
Printed: Apr 10, 2013



OPEN WALL MODULE



OPEN WALL MODULE BACKPLANE FOOTPRINT



spec ref	-	dr	Yong-Keat Lim	2012/02/17	projection	MM	size	A2	scale	5:1
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	rel level	Released	rev	B
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	angular	0° ±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 2 of 8		

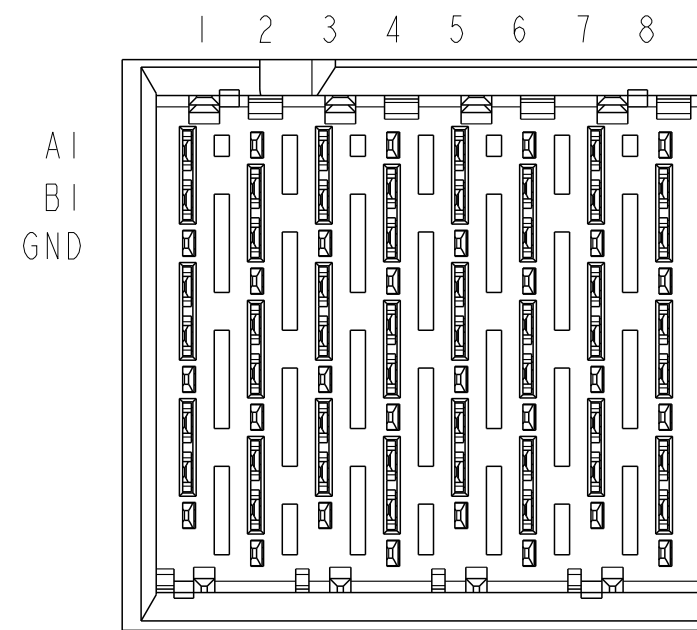
PDS: Rev :B

STATUS:Released

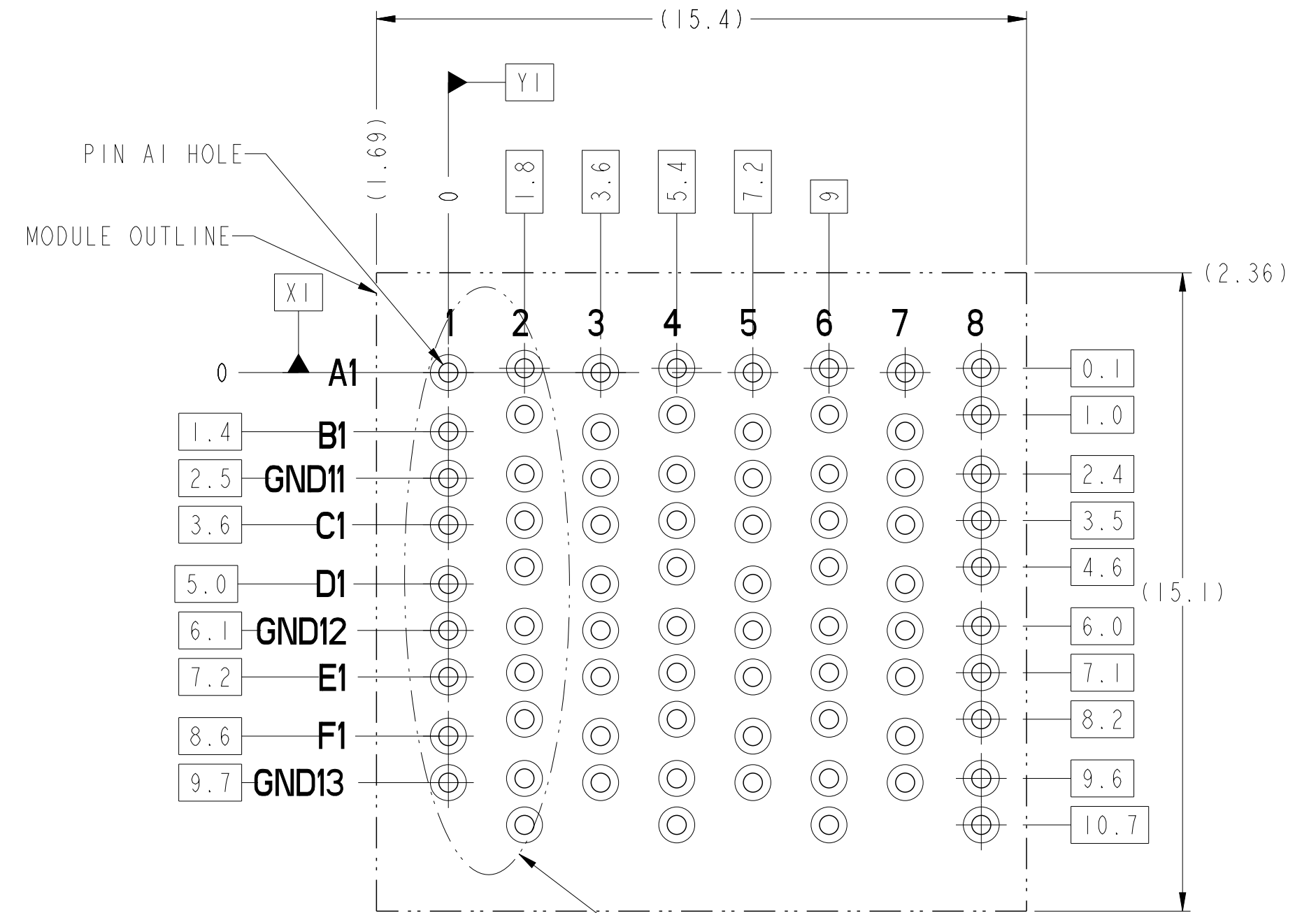
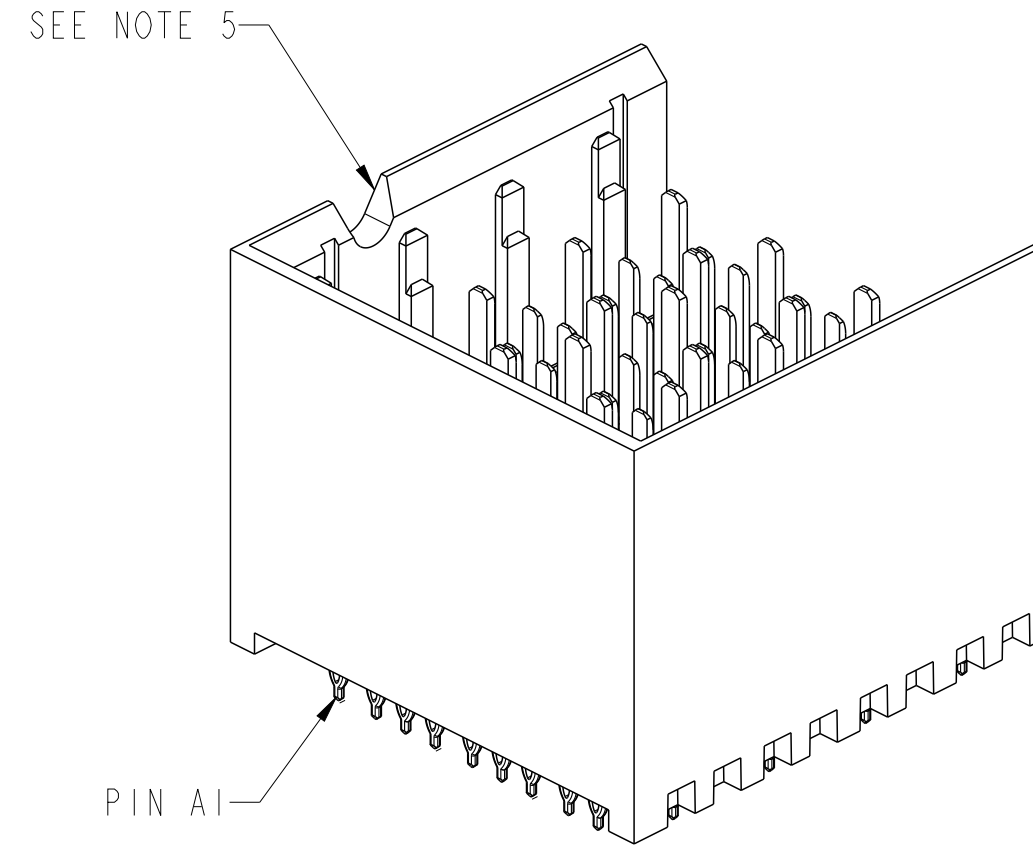
Printed: Apr 10, 2013



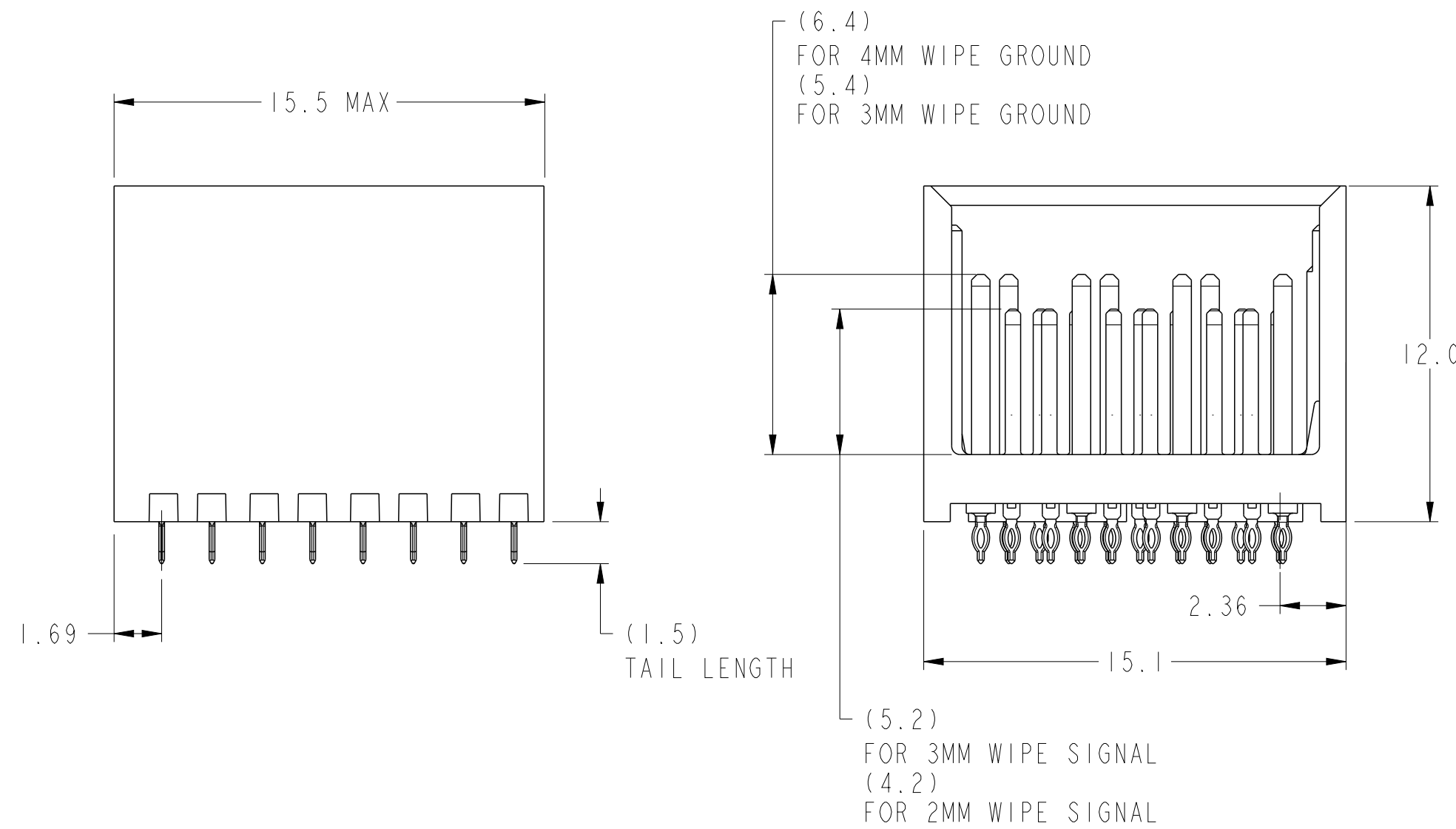
Copyright FCI.



LEFT WALL MODULE



LEFT WALL MODULE BACKPLANE FOOTPRINT

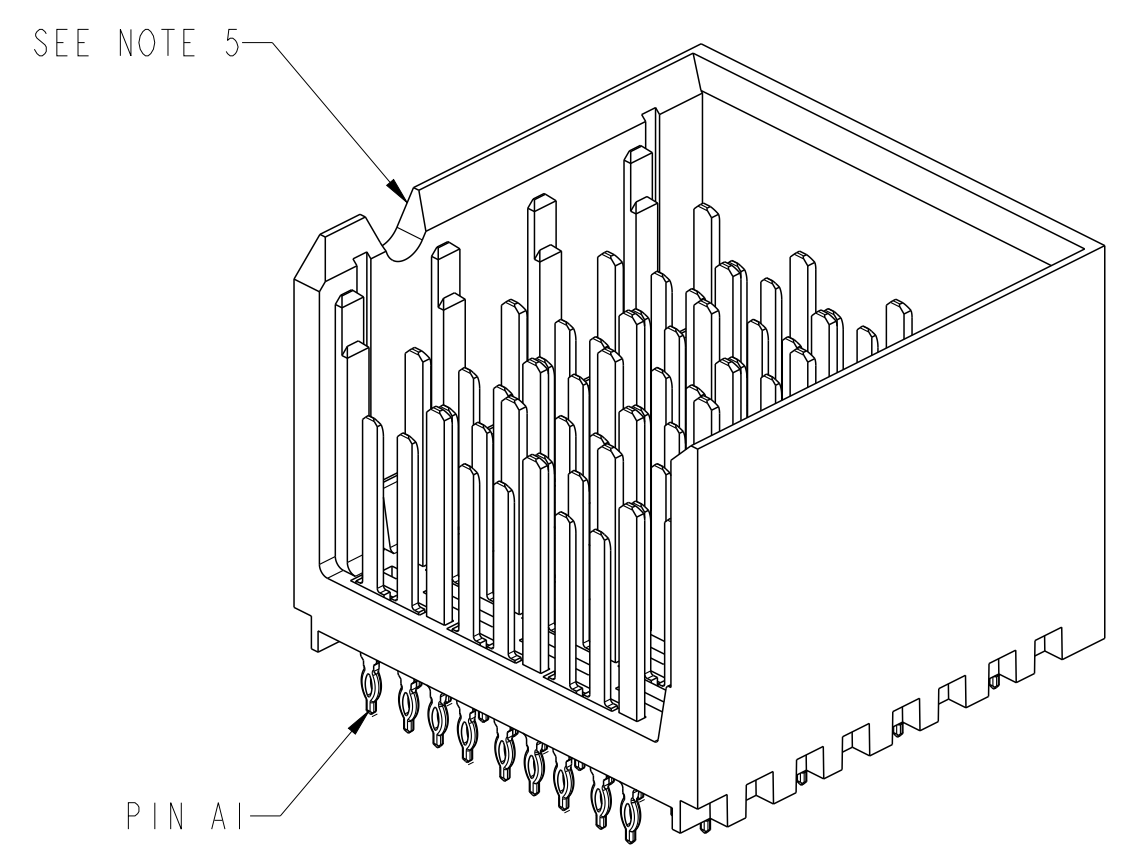
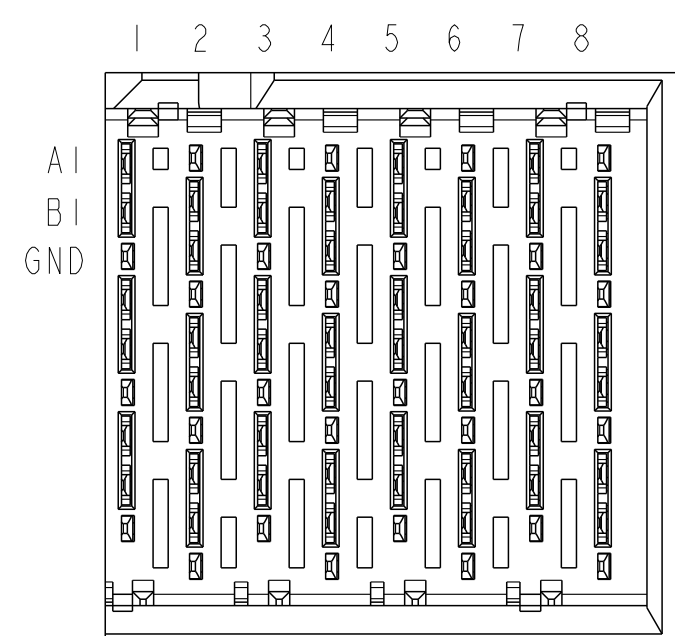


spec ref	-	dr	Yong-Keat Lim	2012/02/17	projection	MM	size	A2	scale	5:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20	chr	-	ecn no	ELX-S-14229-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD	cat. no.	10120124	rev	B
TOLERANCES UNLESS OTHERWISE SPECIFIED		linear	0.X	±0.3	www.fci.com		Product - Customer Drw		sheet 3 of 8	
		angular	0°	±2°						

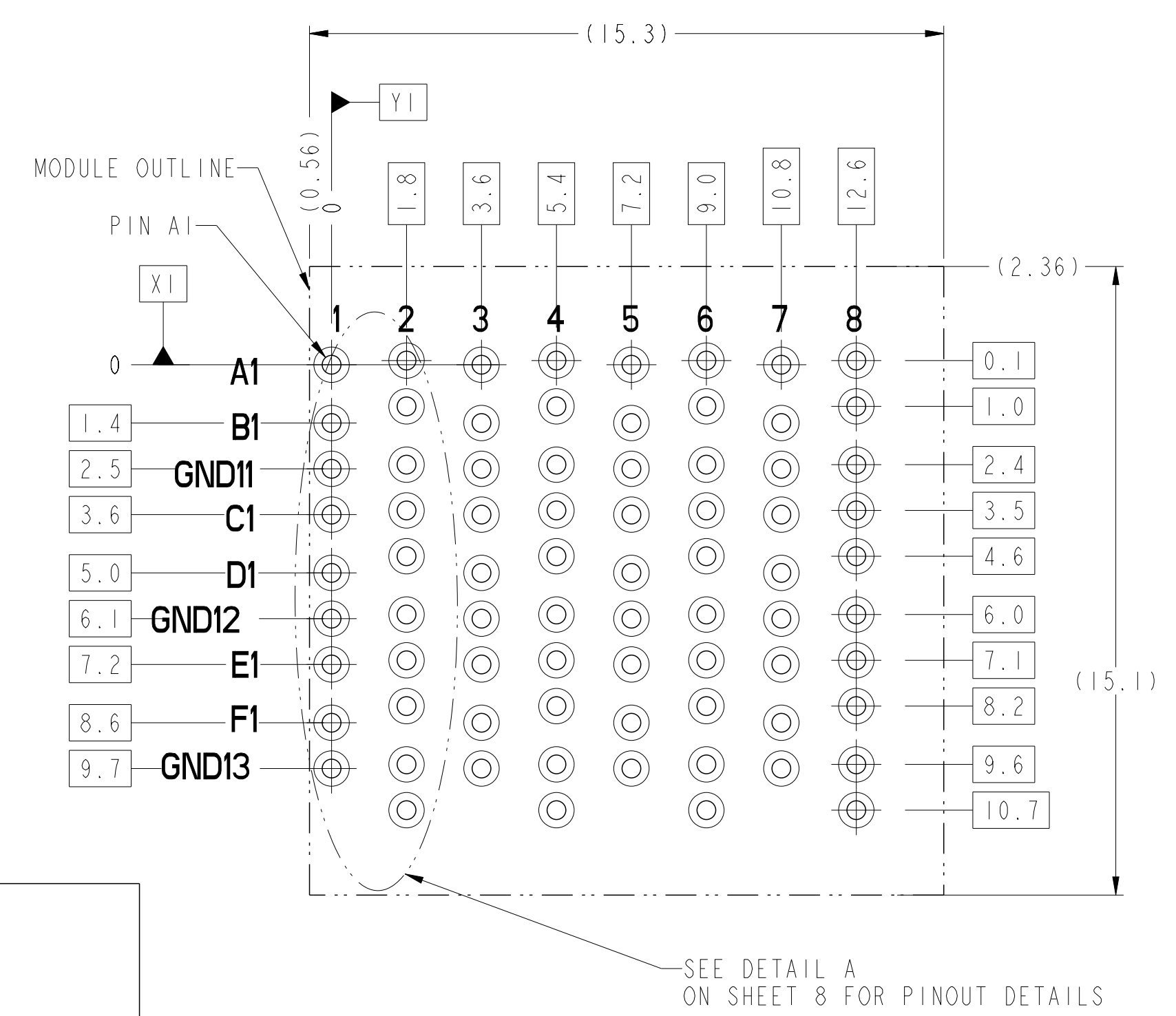
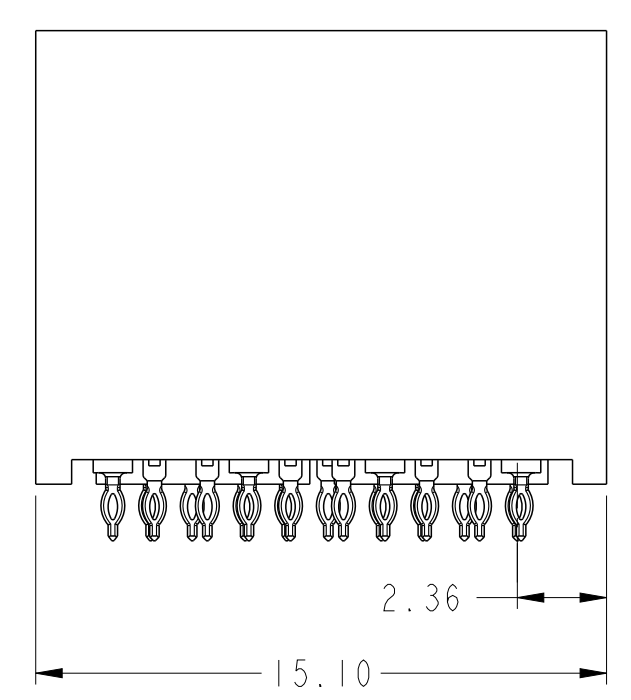
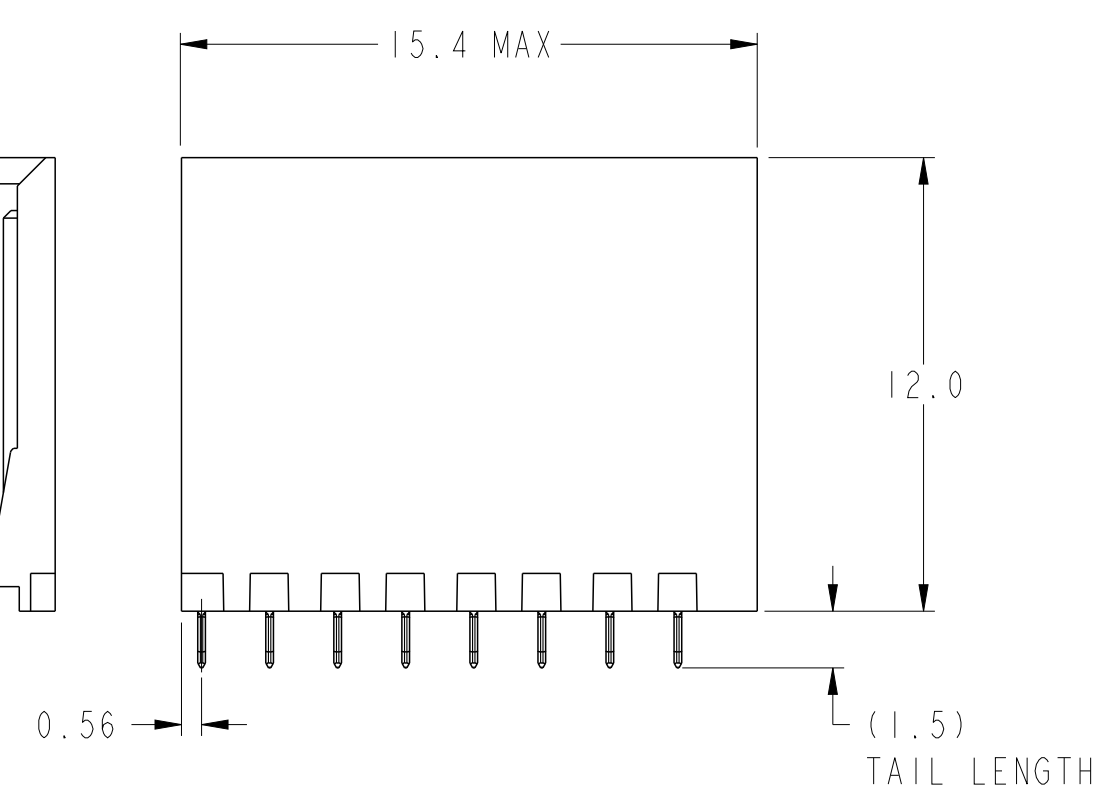
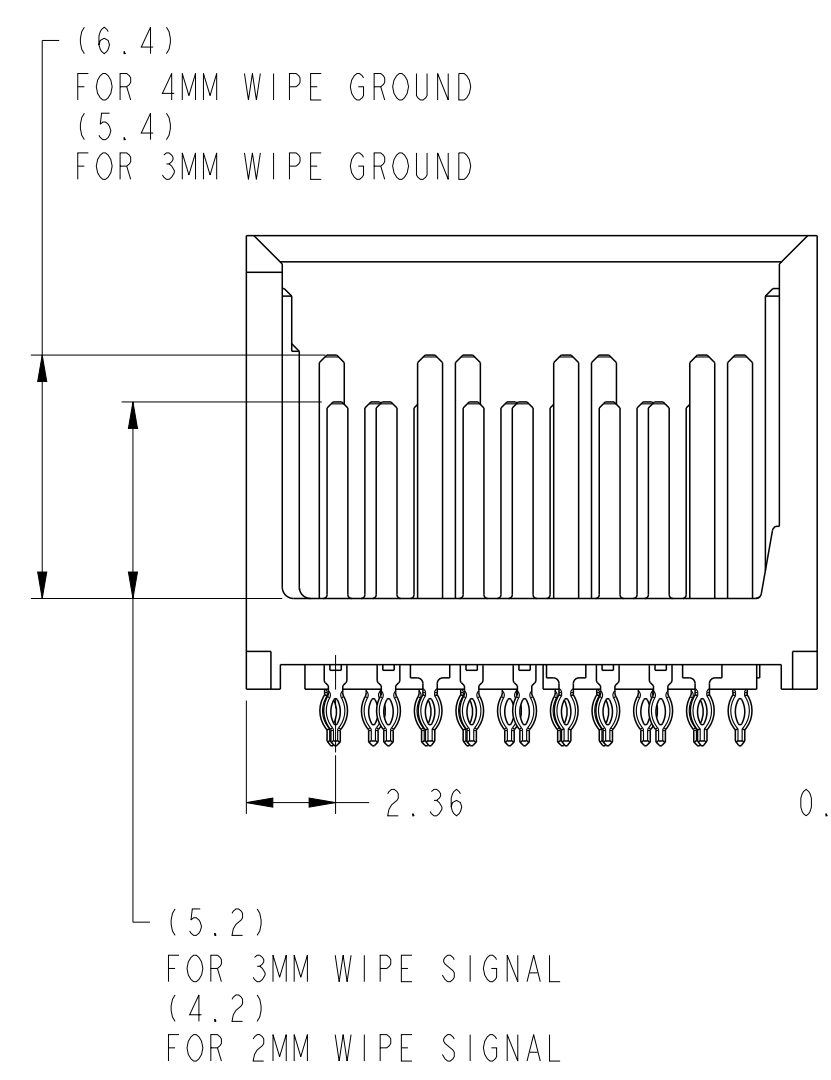
PDS: Rev :B

STATUS:Released

Printed: Apr 10, 2013

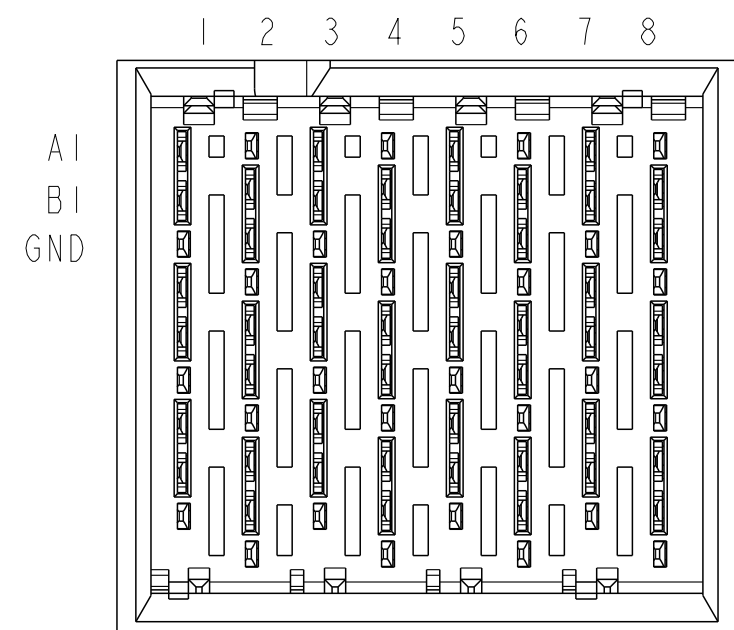


RIGHT WALL MODULE

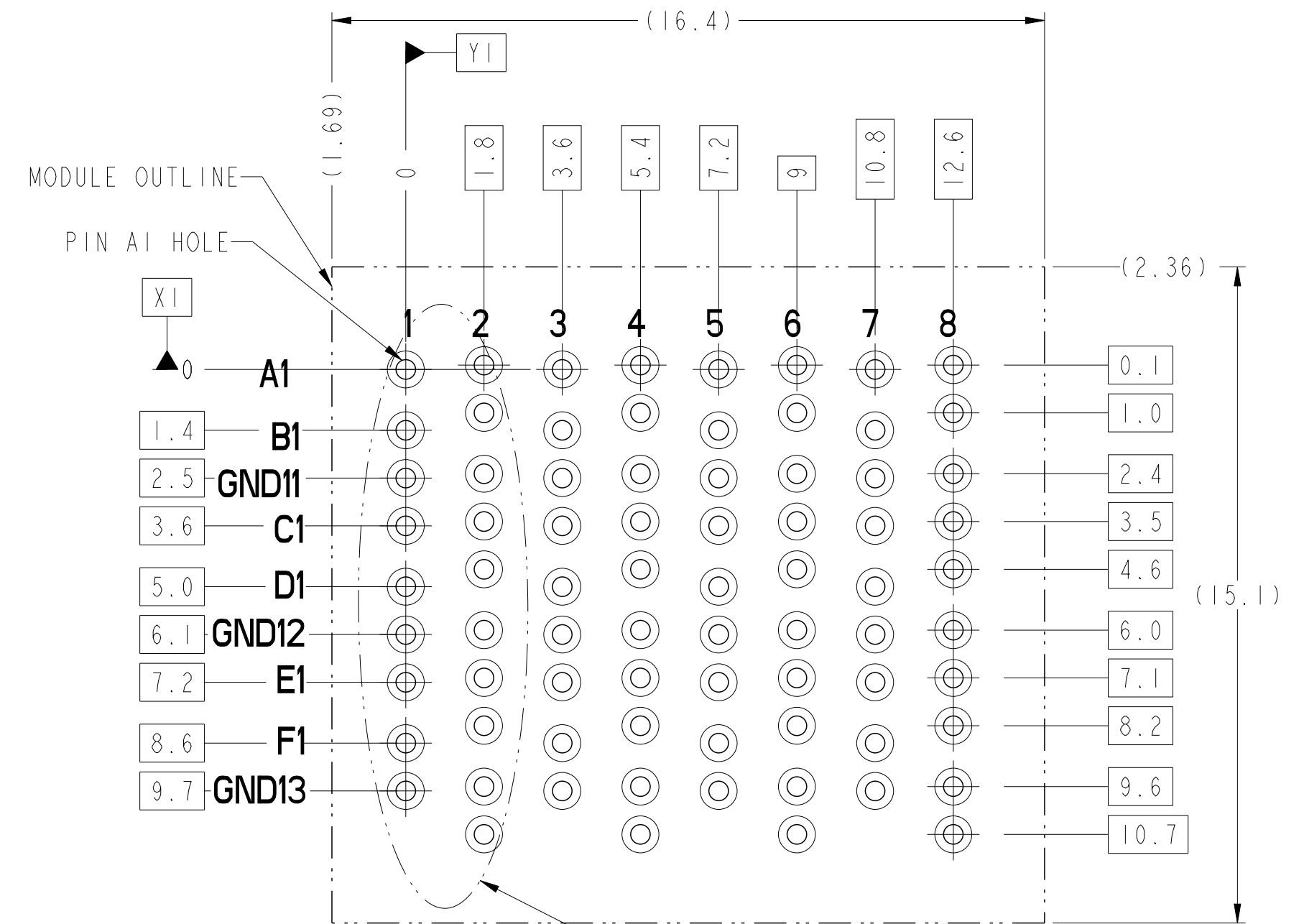
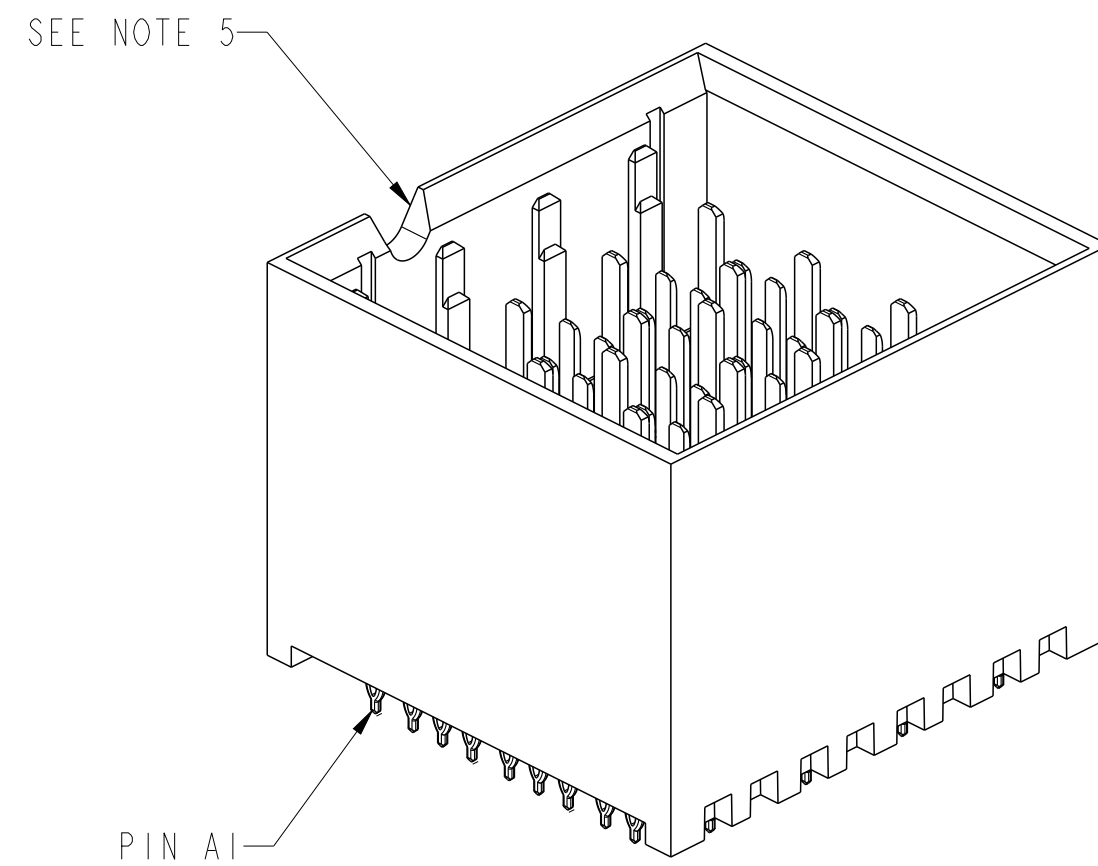


RIGHT WALL MODULE BACKPLANE FOOTPRINT

spec ref -				dr Yong-Keat Lim		2012/02/17		projection		MM		size	scale		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Sandar Soe		2013/03/20						A2	5:1		
ISO 406				chr -		-						ecn no		ELX-S-14229-1	
ISO 1101				appr Chen-Hong Tan		2013/04/09		product family		XCEDE HD		rel level		Released	
surface			linear	0.X	±0.3		the	XCEDE HD VERTICAL HEADER 3 PAIR, 8 COLUMN STITCH HEADER				dwg no	10120124		rev
			0.XX	±0.10											
			0.XXX	±0.05											
ISO 1302		angular	0°	±2°	www.fci.com		cat. no.		-		Product - Customer Drw		sheet 4 of 8		



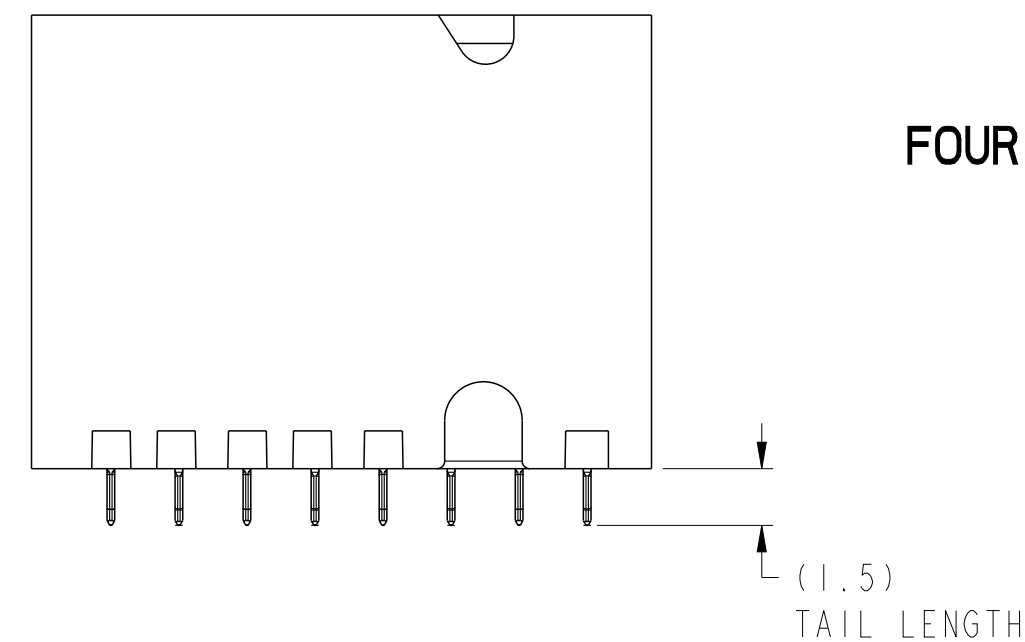
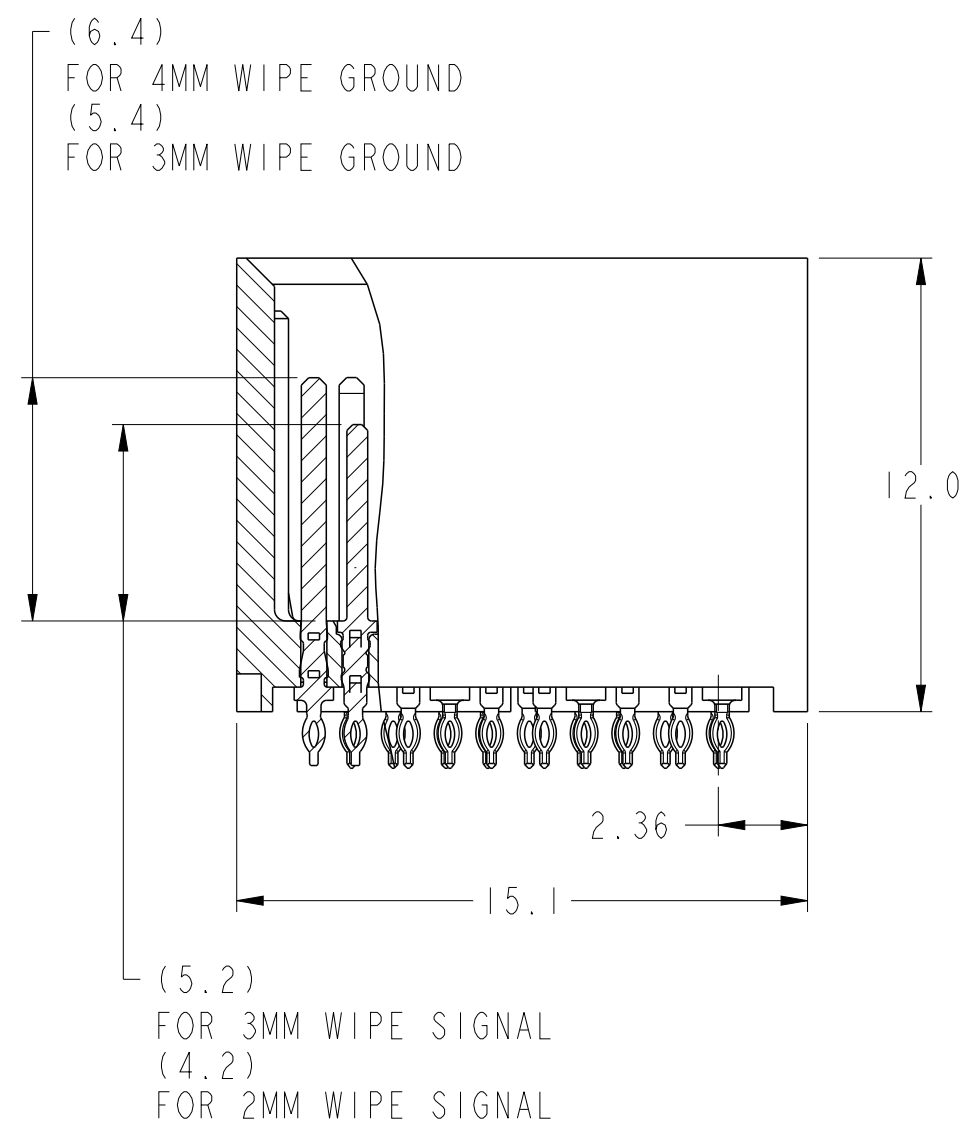
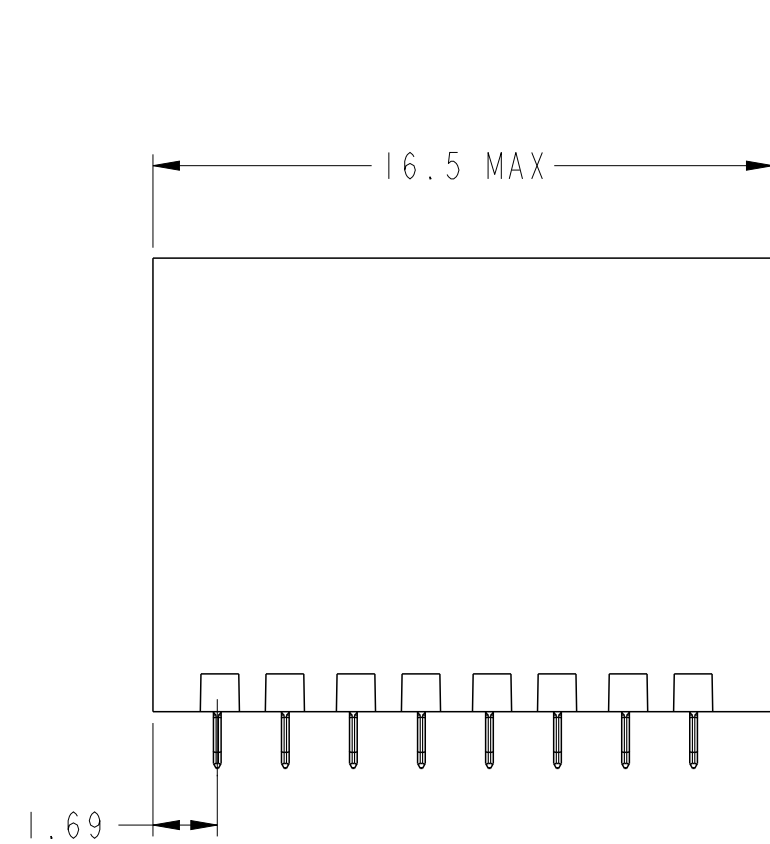
FOUR WALL MODULE



SEE DETAIL A
ON SHEET 8 FOR PINOUT DETAILS

BP HOLE PATTERN COMPONENT SIDE

FOUR WALL MODULE BACKPLANE FOOTPRINT

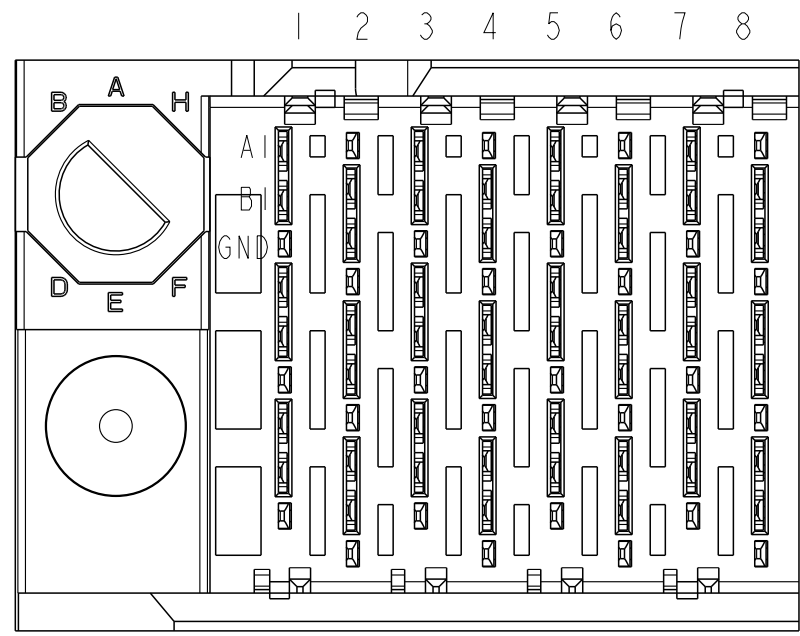


spec ref	-	dr	Yong-Keat Lim	2012/02/17	projection	MM	size	A2	scale	5:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20	chr	-	ecn no	ELX-S-14229-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD	dwg no	10120124	rev	B
TOLERANCES UNLESS OTHERWISE SPECIFIED		FCI		title		XCEDE HD VERTICAL HEADER		3 PAIR, 8 COLUMN STITCH HEADER		
		linear		0.X		±0.3				
				0.XX		±0.10				
				0.XXX		±0.05				
		angular		0°		±2°				
		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 5 of 8

PDS: Rev :B

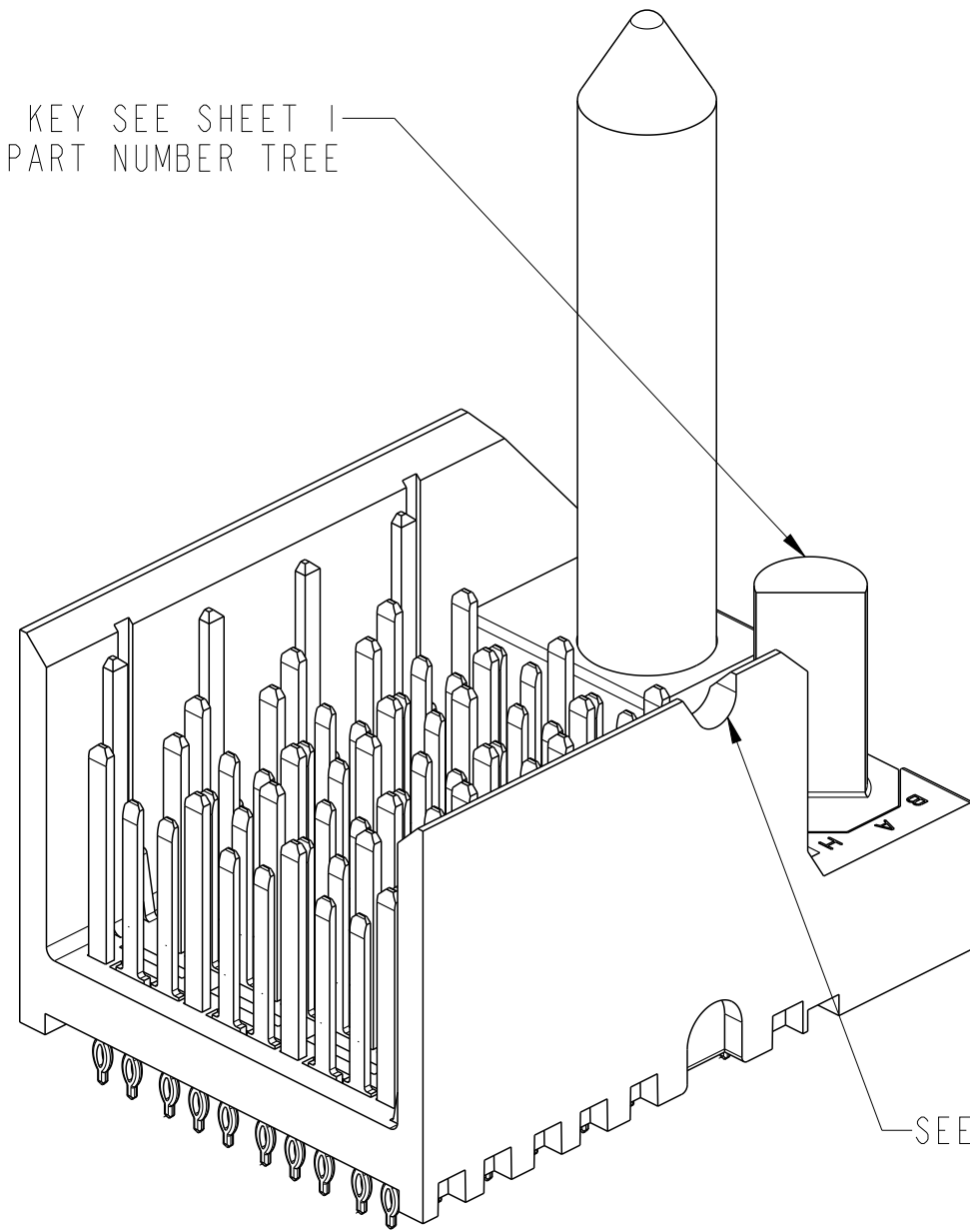
STATUS:Released

Printed: Apr 10, 2013



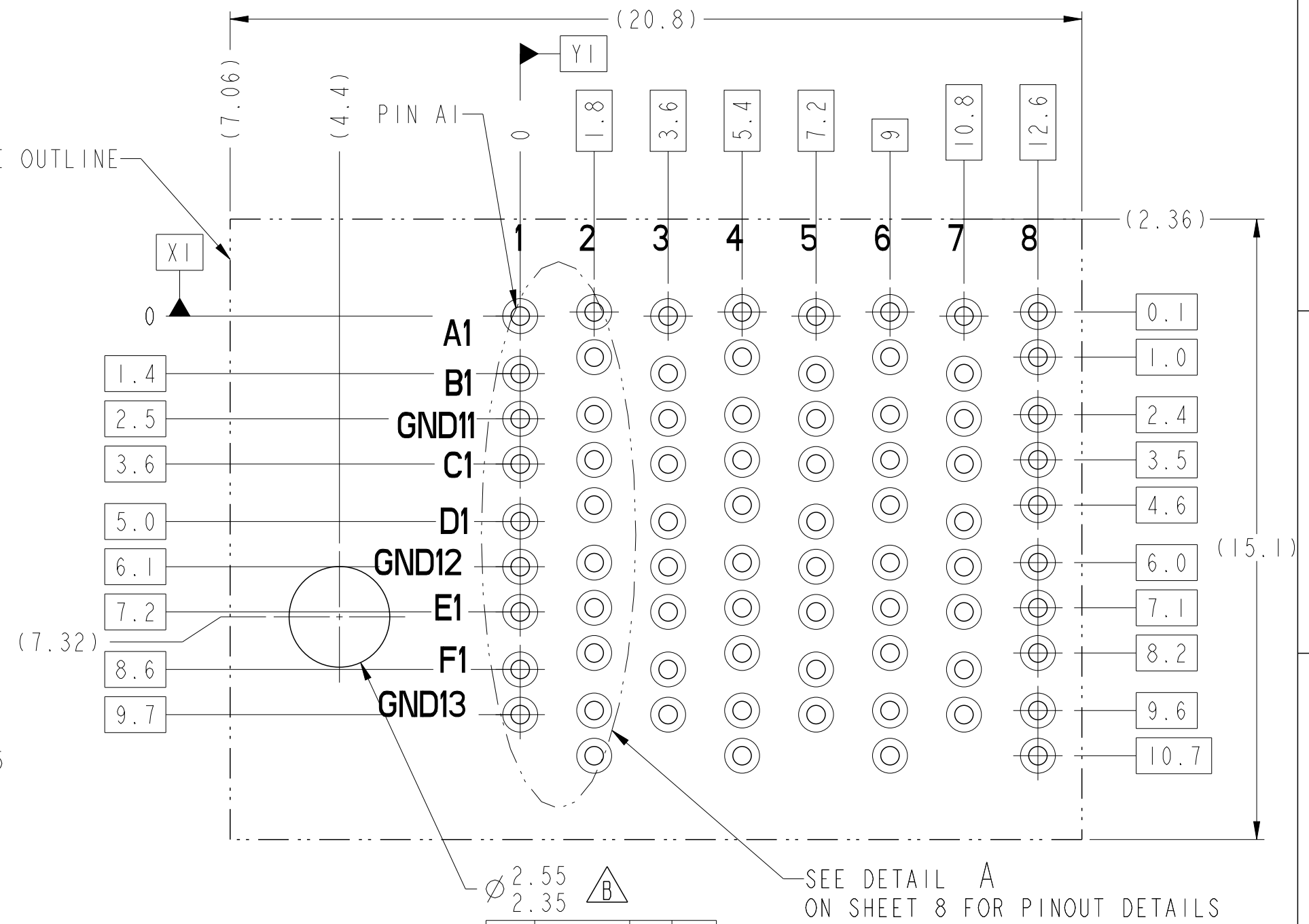
LEFT POLARIZING / GUIDE MODULE

OPTIONAL KEY SEE SHEET 1
PART NUMBER TREE



SEE NOTE 5

MODULE OUTLINE

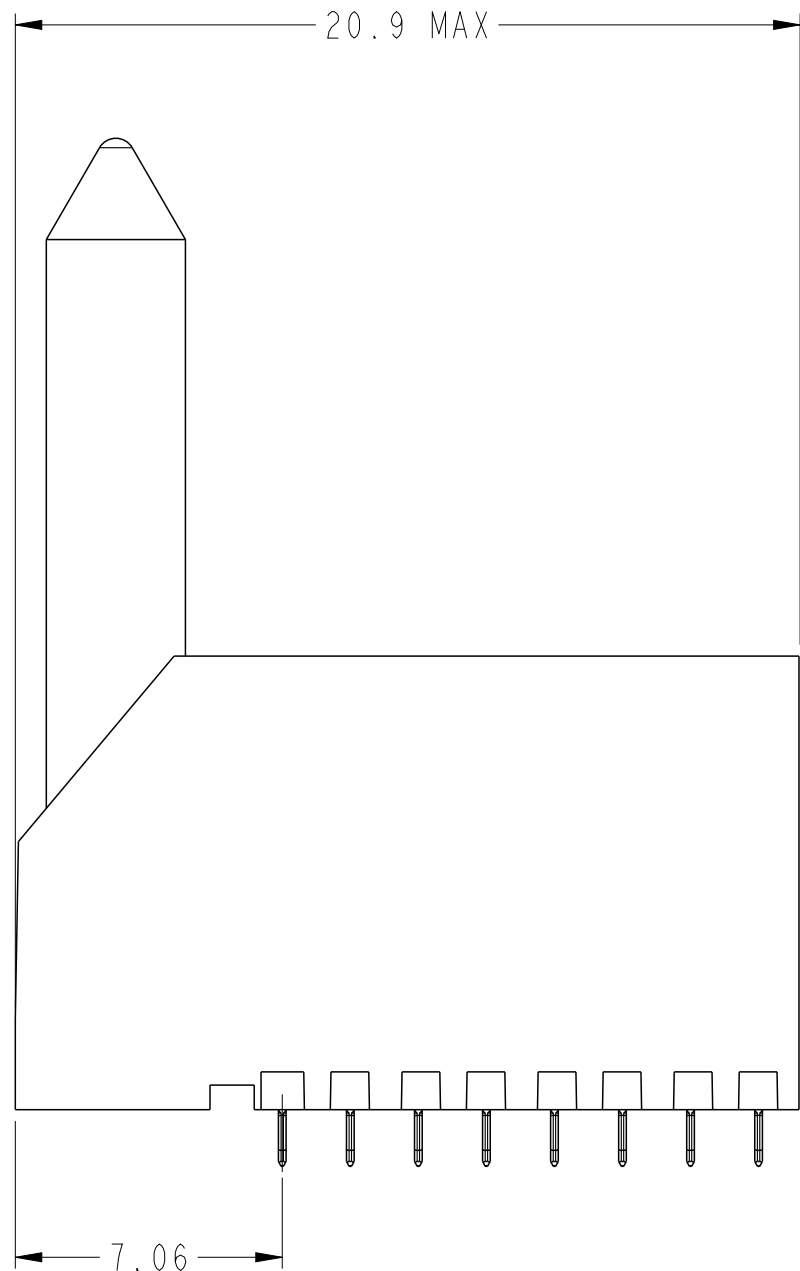


SEE DETAIL A
ON SHEET 8 FOR PINOUT DETAILS

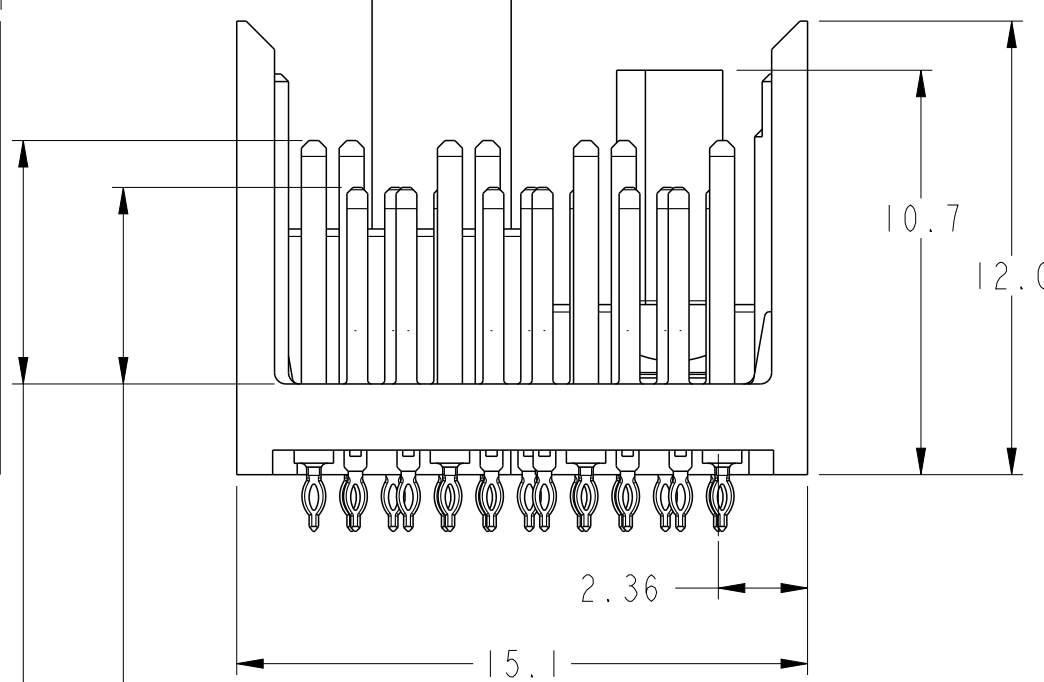
SEE NOTE 11 &
TABLE 1

BP HOLE PATTERN COMPONENT SIDE

LEFT POLARIZING / GUIDE MODULE
BACKPLANE FOOTPRINT



($\varnothing 3.68$)



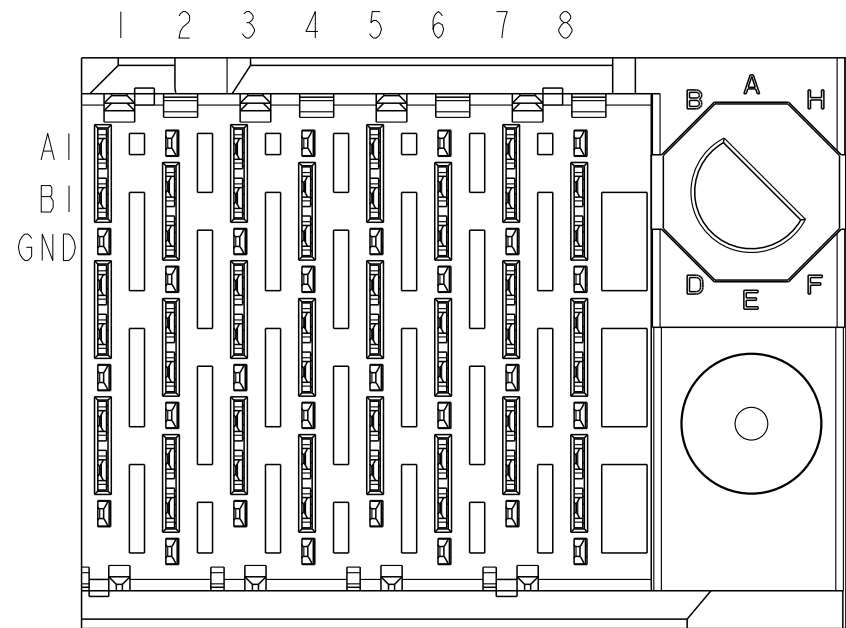
(5.2)
FOR 3MM WIPE SIGNAL
(4.2)
FOR 2MM WIPE SIGNAL
(6.4)
FOR 4MM WIPE GROUND
(5.4)
FOR 3MM WIPE GROUND

(1.5)
TAIL LENGTH

7.06

25.7 $\pm$ 0.3

spec ref	-	dr	Yong-Keat Lim	2012/02/17	projection	MM	size	A2	scale	5:1
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.	10120124	rev	B
TOLERANCES UNLESS OTHERWISE SPECIFIED		linear		0.X	± 0.3	angular		0°	$\pm 2^\circ$	
				0.XX	± 0.10					
				0.XXX	± 0.05					



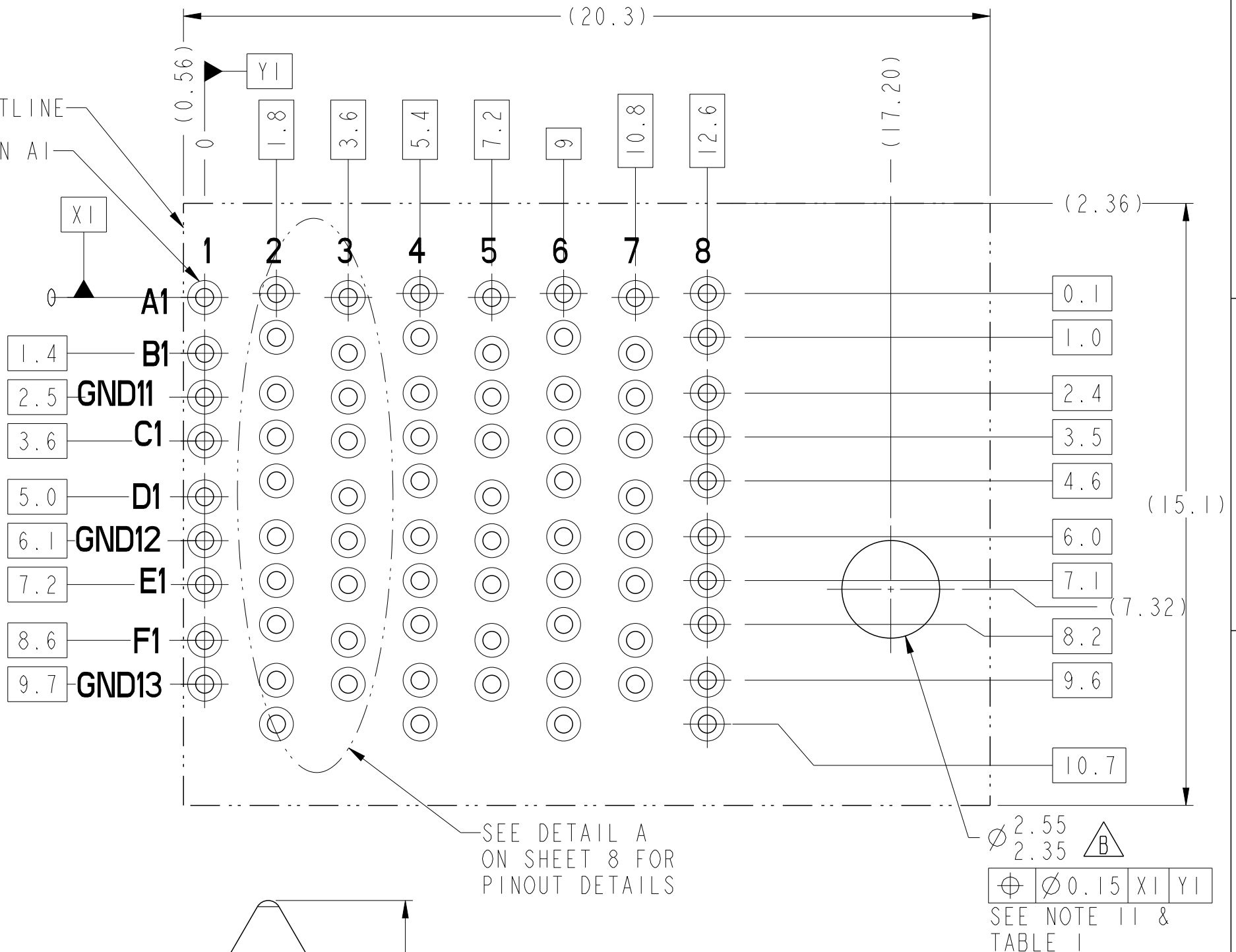
RIGHT POLARIZING / GUIDE MODULE

OPTIONAL KEY SEE SHEET 1
PART NUMBER TREE

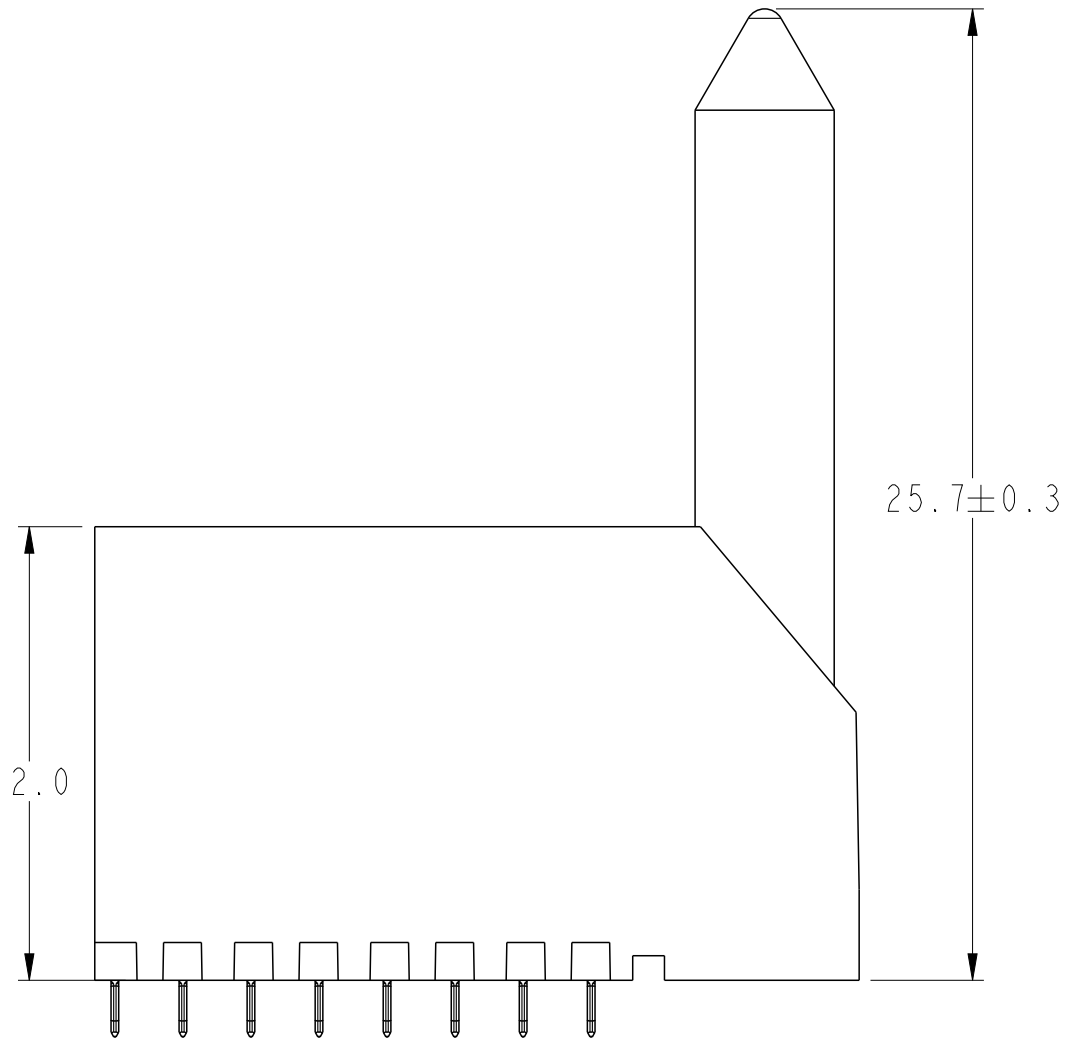
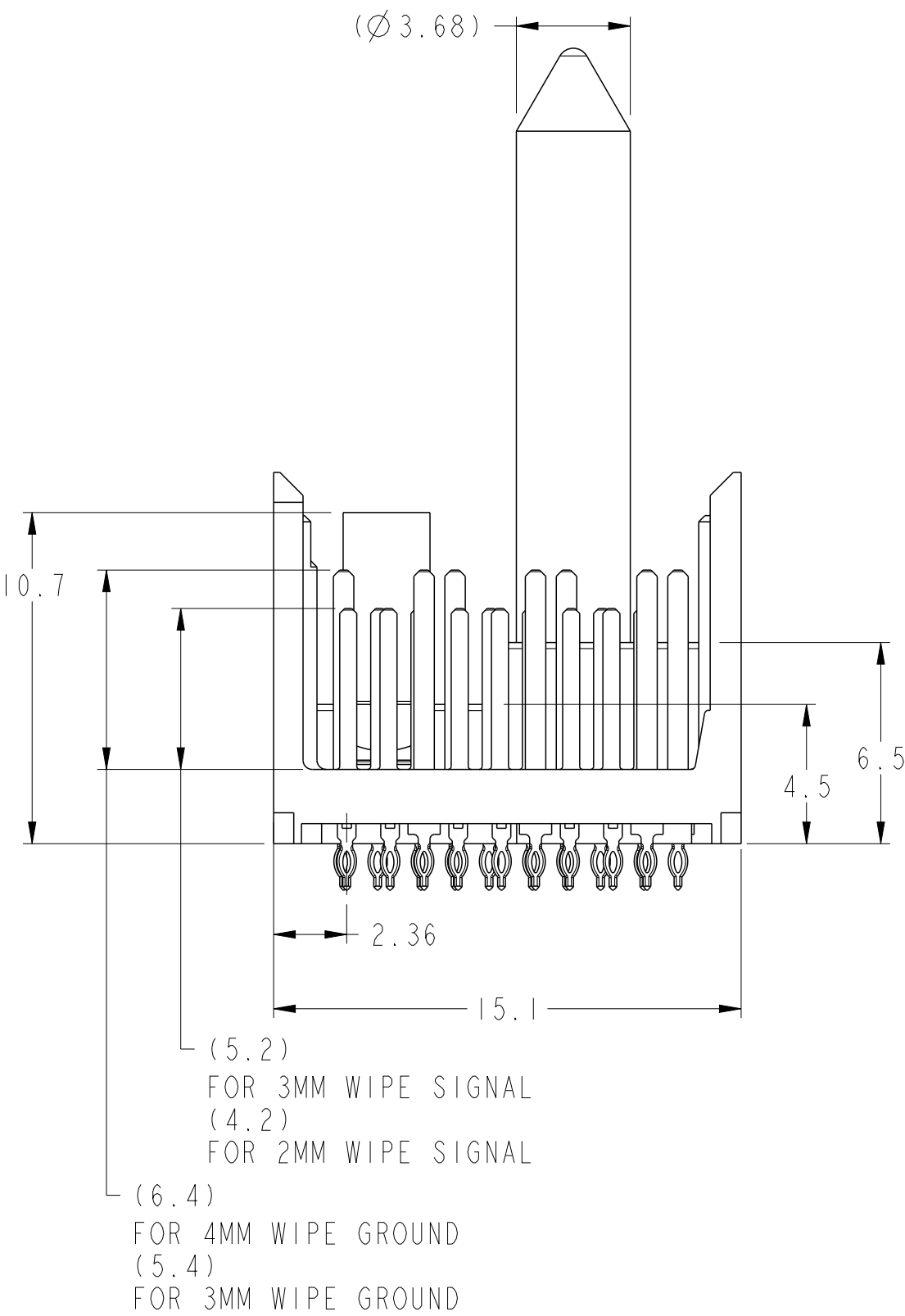
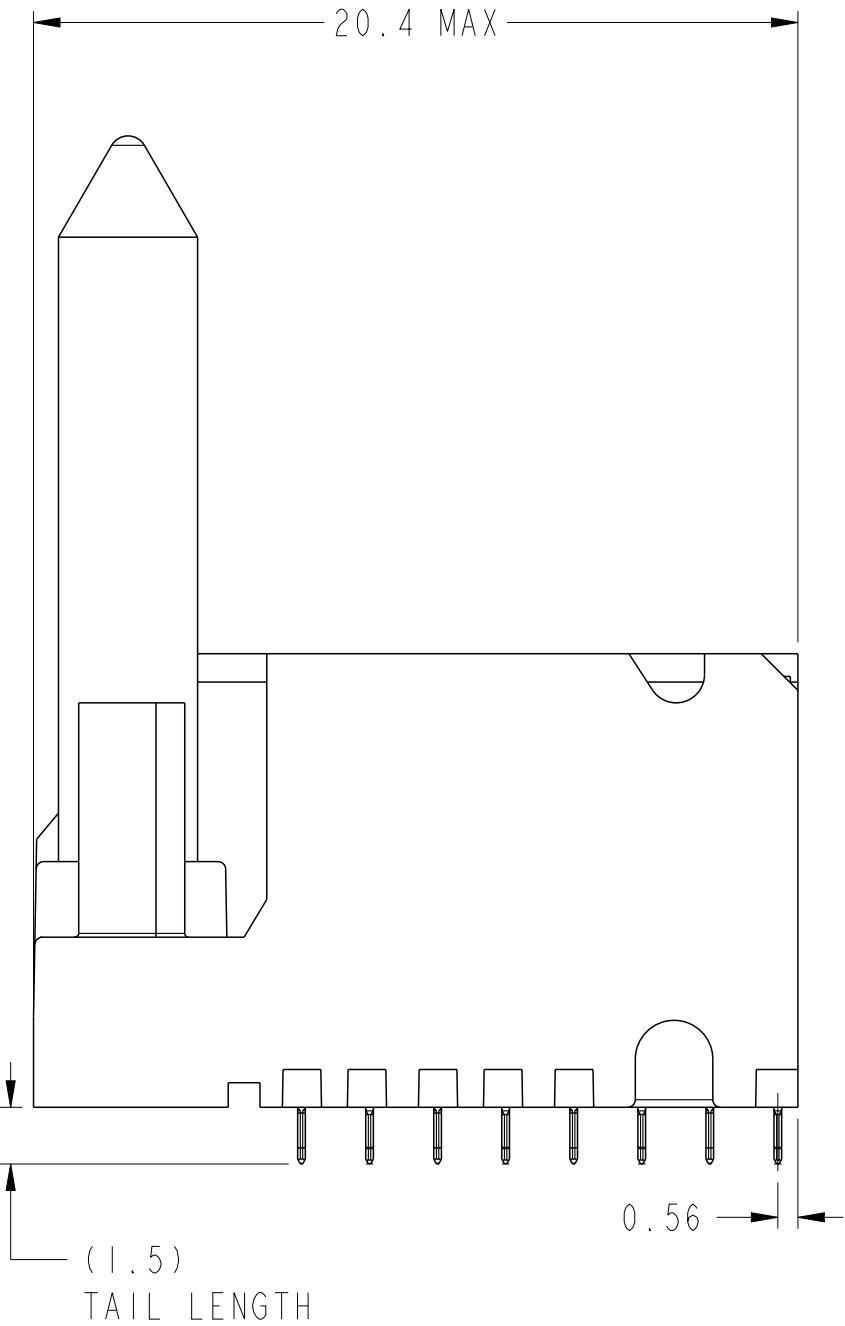
SEE NOTE 5

PIN AI

MODULE OUTLINE
PIN AI



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



spec ref		-		dr		Yong-Keat Lim		2012/02/17		projection				MM		size		A2		scale		5:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Sandar Soe		2013/03/20		chr		-		-		ecn no		ELX-S-14229-1					
ISO 406				appr		Chen-Hong Tan		2013/04/09		product family		XCEDE HD		rel level		Released							
ISO 1101																							
surface				linear		0.X		±0.3				title		XCEDE HD VERTICAL HEADER 3 PAIR, 8 COLUMN STITCH HEADER		dwg no		10120124		rev		B	
				0.XX		±0.10																	
				0.XXX		±0.05																	
ISO 1302		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 7 of 8							

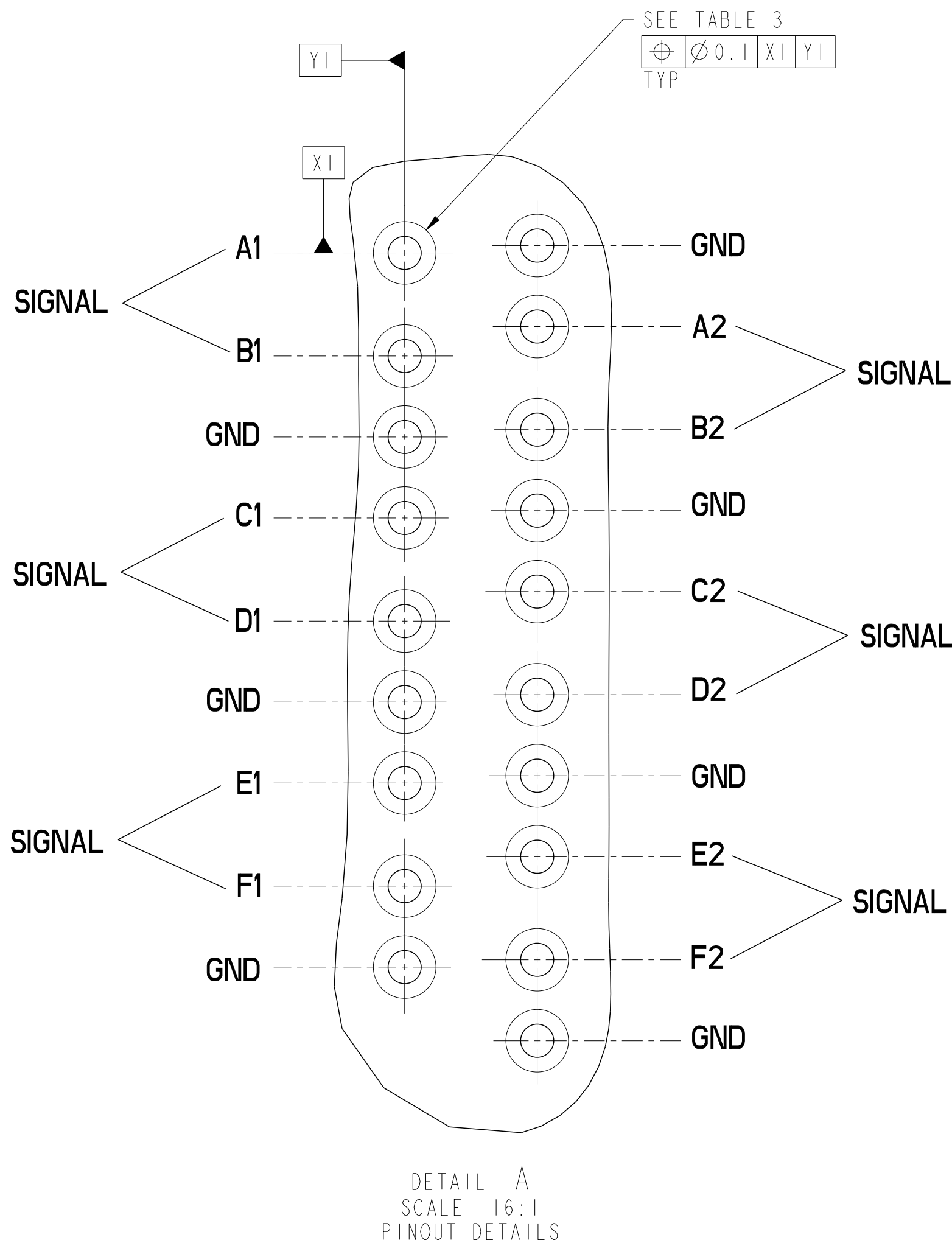
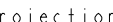
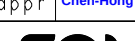


TABLE 3		
	COMPLIANT PIN DRILL $\varnothing 0.55[0.0217"]$	COMPLIANT PIN DRILL $\varnothing 0.45[0.0117"]$
PTH	$\varnothing 0.45 \pm 0.05$	$\varnothing 0.36 \pm 0.05$
DRILL	$\varnothing 0.55[0.0217"]$	$\varnothing 0.45[0.0117"]$
PAD	$\varnothing 0.85$	$\varnothing 0.75$

NOTES:

- 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 (10120124-XOE-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 $\triangle B$ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE THAT HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.
- $\triangle B$ ⑪ OPTIONAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE-PIN SUPPORT. SEE TABLE 1 SHEET 1 FOR ADDITIONAL DETAILS.
- $\triangle B$ 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	2012/02/17	projection	 MM		size	A2	scale	5:1
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sandar Soe	2013/03/20		ecn no		ELX-S-14229-1			
ISO 406 ISO 1101		chr	-	appr	Chen-Hong Tan	2013/04/09		product family		XCEDE HD		rel level	Released
surface 		linear	0.X	±0.3		title	XCEDE HD VERTICAL HEADER 3 PAIR, 8 COLUMN STITCH HEADER		dwg no	10120124		rev	B
ISO 1302	0.XX		±0.10										
	0.XXX	±0.05	cat. no.	-									
		angular	0°	±2°	www.fci.com								

PDS: Rev :B

STATUS:Released

Printed: Apr 10, 2013