

A

B

C

D

E

F

1 0 | 2 0 | 2 8 - X 0 C - X X X L F

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

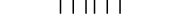
MODULE DESCRIPTION	LETTER DESIGNATION REPRESENTED IN DASH NUMBER										BASE MODULE
LEFT POLARIZING GUIDANCE MODULE (SEE SHEET 6)	N	J	A	B	C	D	E	F	G	H	
	NO KEY NO GUIDE PIN										
RIGHT POLARIZING GUIDANCE MODULE (SEE SHEET 7)	Z	Y	P	Q	R	S	T	U	V	W	
	NO KEY NO GUIDE PIN										
OPEN MODULE (TWO WALL) (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 10120128-XXXX, WHERE: "X" DENOTES MODULE TYPE PER CHART ON THIS SHEET "YYYY" IS A SEQUENTIAL NUMBER BEGINNING WITH "0001".			

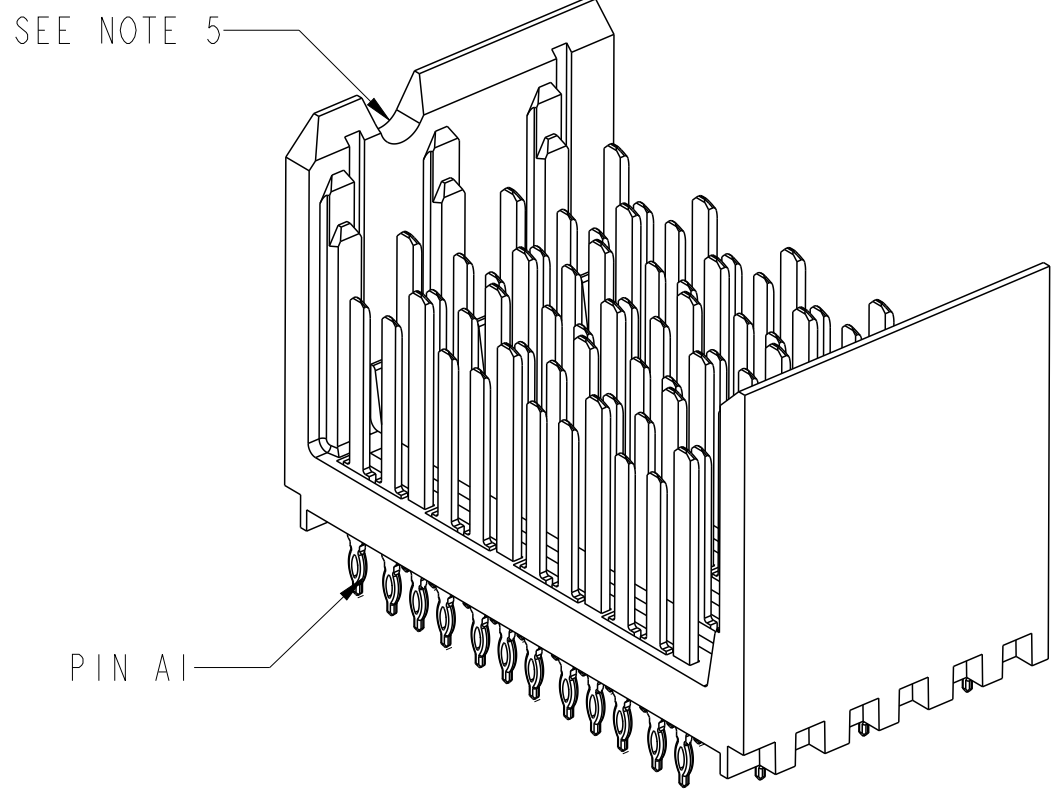
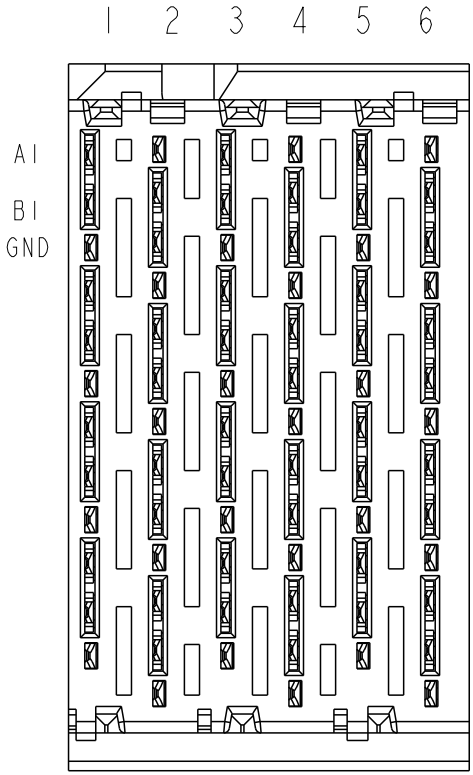
TABLE 1 (SEE NOTE 11)		
	UNGROUND	GROUND
FHS	Ø2.35-Ø2.55	Ø2.35-Ø2.55
PAD	N/A	Ø5.50
PLATED	NO	YES
DRILL(mm)	2.44mm	2.58mm
DRILL(in)	0.096"	0.1015"

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

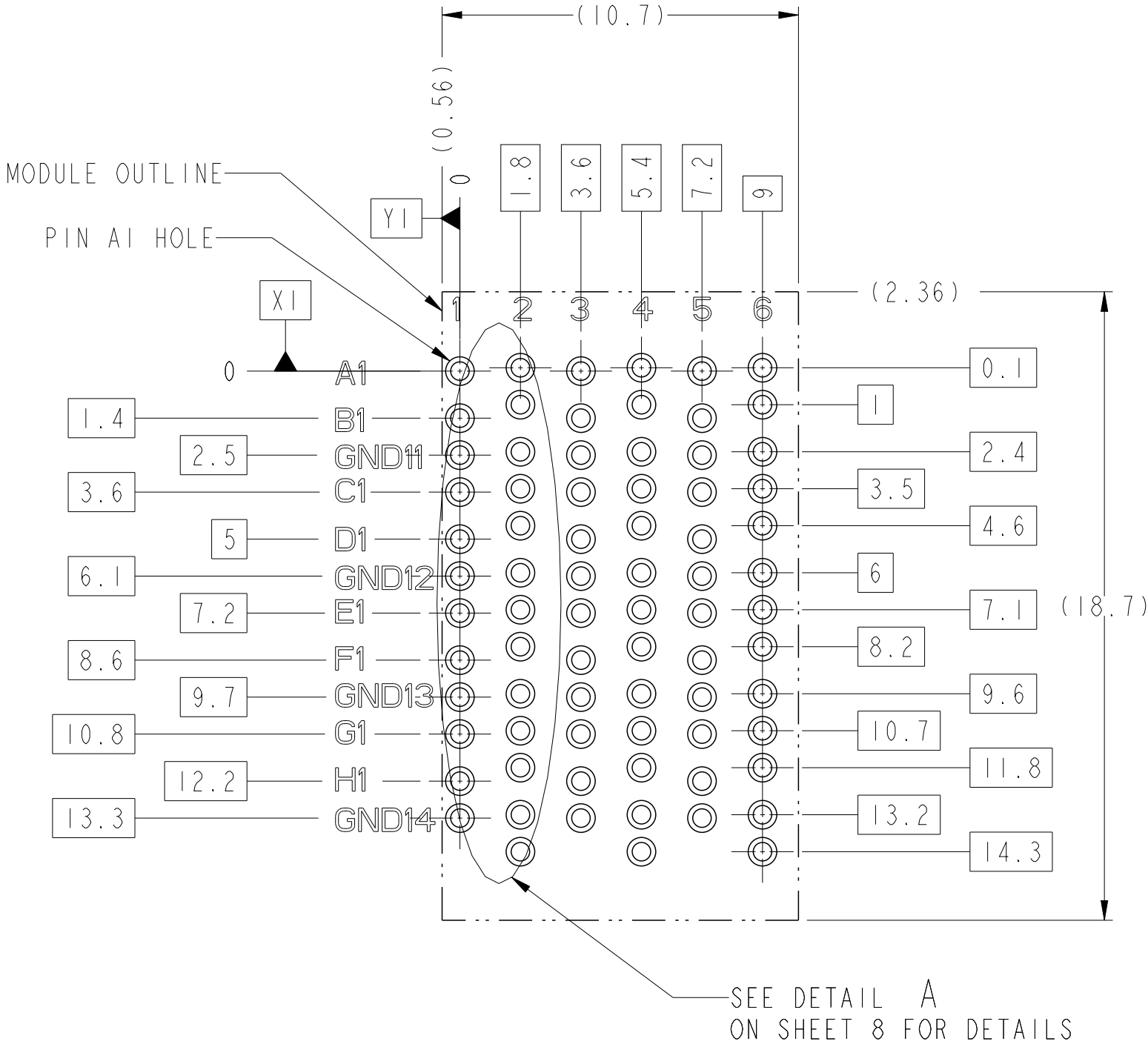
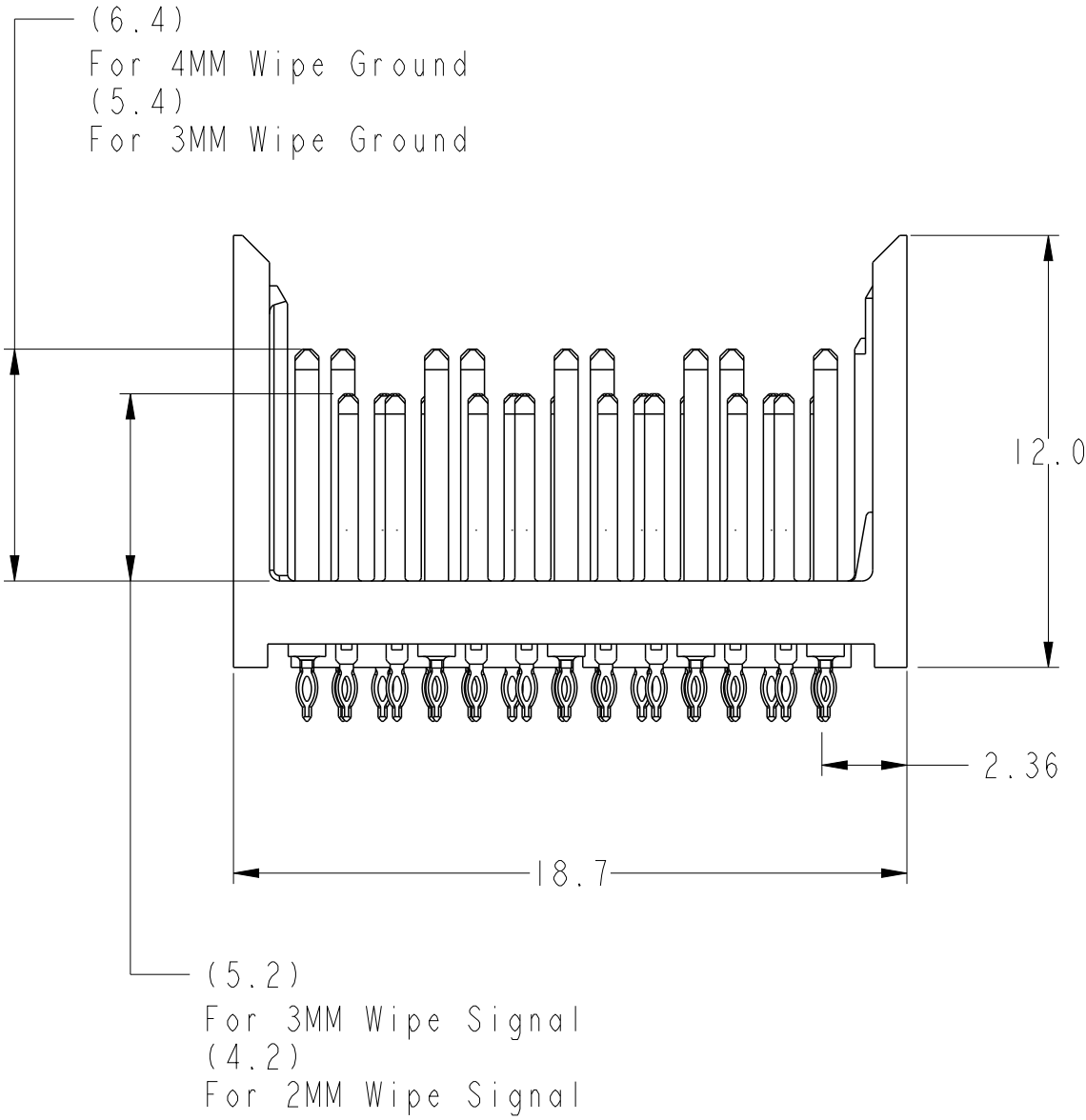
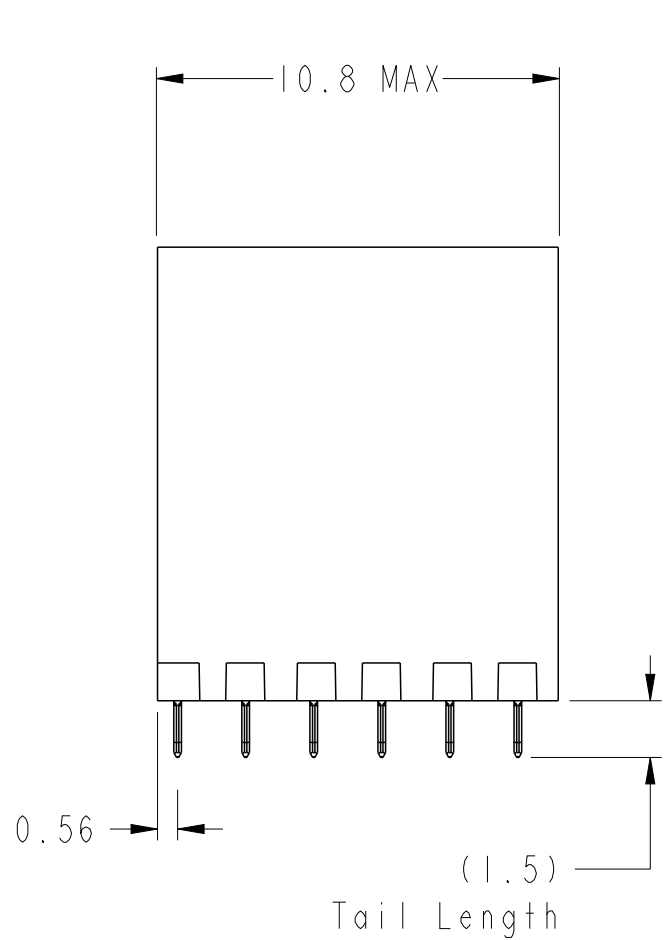
spec ref	-
tolerance std	ISO 406 ISO 1101
surface	linear
ISO 1302	angular
tolerances unless otherwise specified	0.X ±0.3 0.XX ±0.10 0.XXX ±0.050 0° ±2°

dr	Yong-Keat Lim	2012/03/01	projection		mm		size	A2	scale	1:1	
eng	Sandar Soe	2016/03/08					ecn no	ELX-S-17624-1			
chr	-	-					rel level	Released			
appr	Chen-Hong Tan	2016/03/17	product family	-							
Amphenol FCI		title			MODULE ASSEMBLY, XCEDE HD		dwg no		10120128		rev
		Vertical Header, 4 Pair 6 Column									C
www.fci.com		cat. no.	-	Product - Customer Drw					sheet 1 of 8		

A
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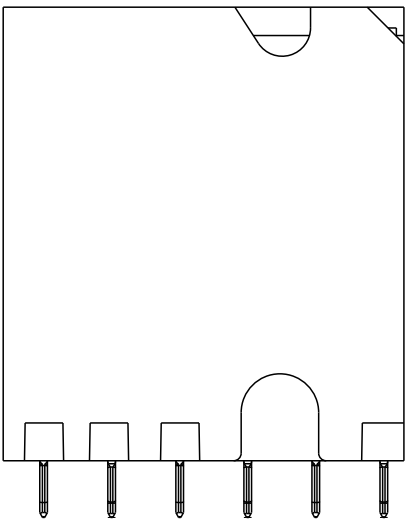


OPEN WALL MODULE



BP HOLE PATTERN COMPONENT SIDE

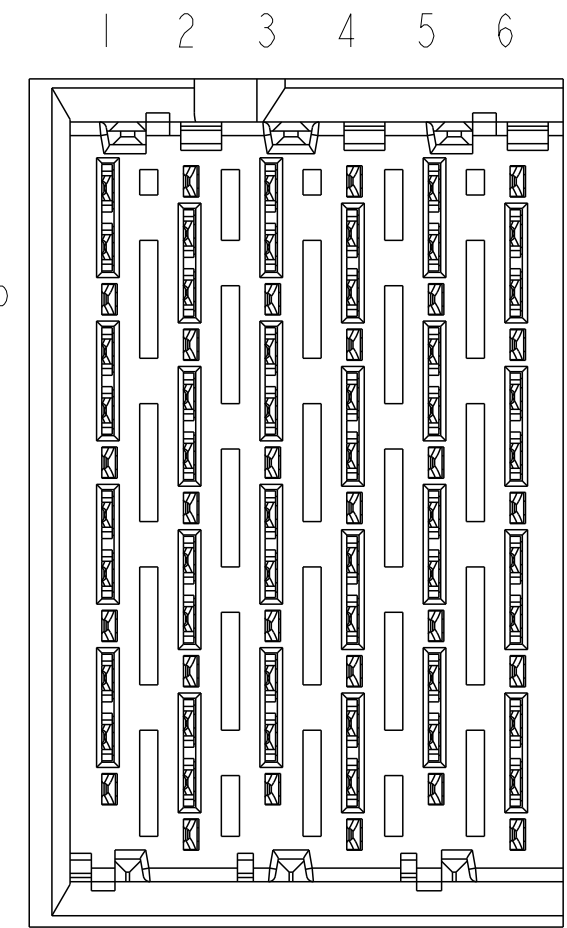
OPEN WALL MODULE BACKPLANE FOOTPRINT



Amphenol
FCI

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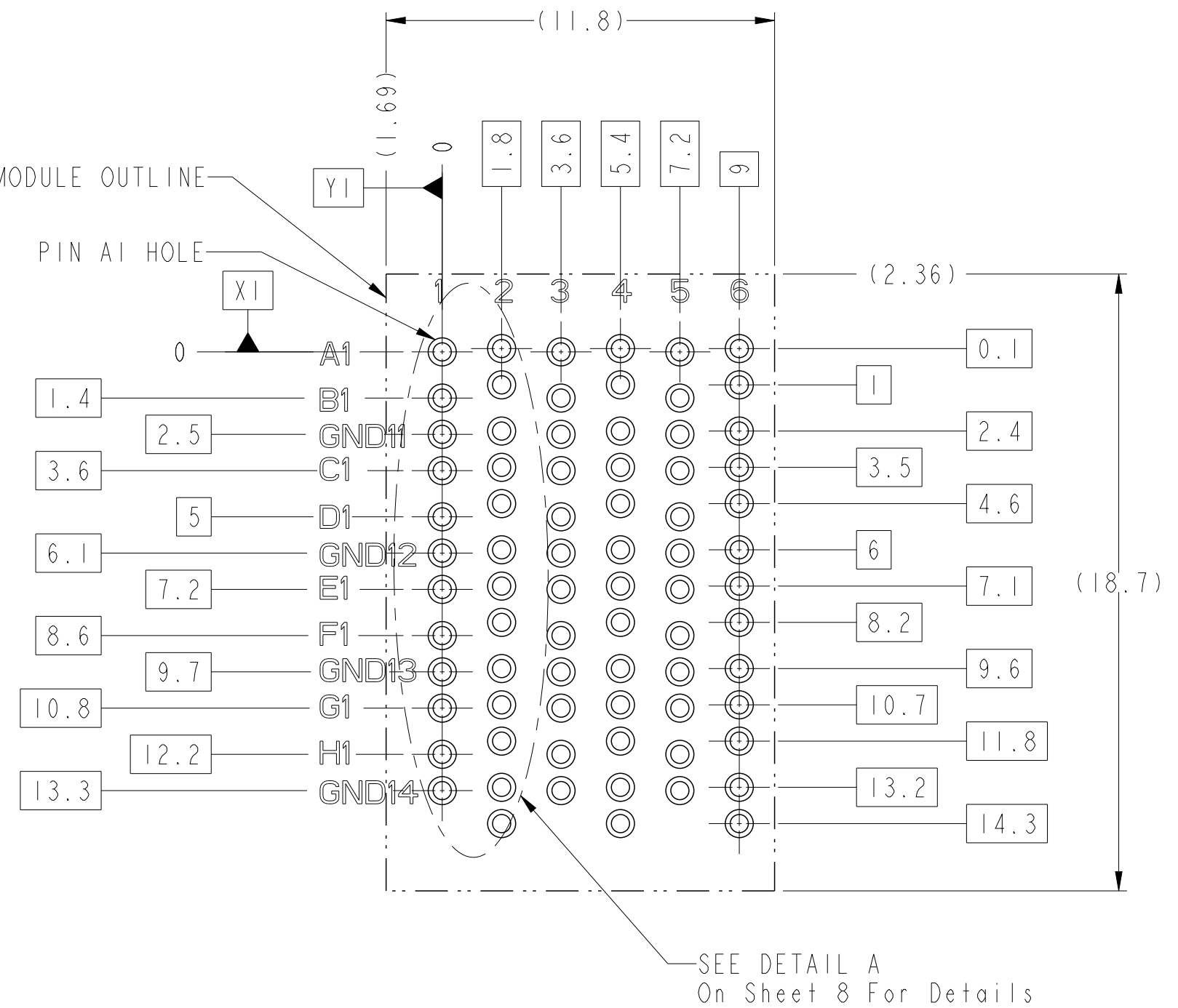
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tolerance std		ISO 406 ISO 1101		eng	Sandar Soe	2016/03/08			ecn no	ELX-S-17624-1				
TOLERANCES UNLESS OTHERWISE SPECIFIED				chr	-	-	product family		XCEDE HD		rel level	Released		
				appr	Chen-Hong Tan	2016/03/17								
surface		linear	0.X	±0.3	Amphenol FCI	title	MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 6 Column			dwg no	10120128		rev	C
			0.XX	±0.10										
			0.XXX	±0.050										
		angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw				sheet 2 of 8		



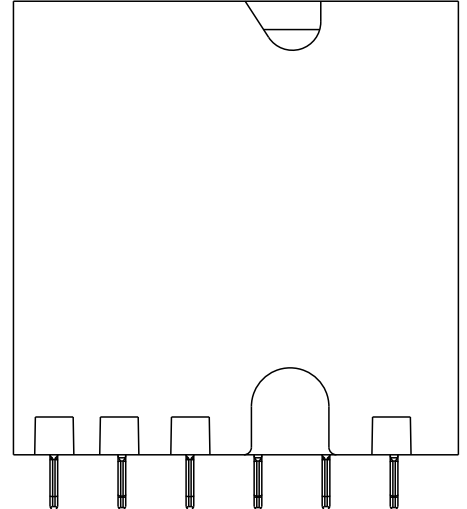
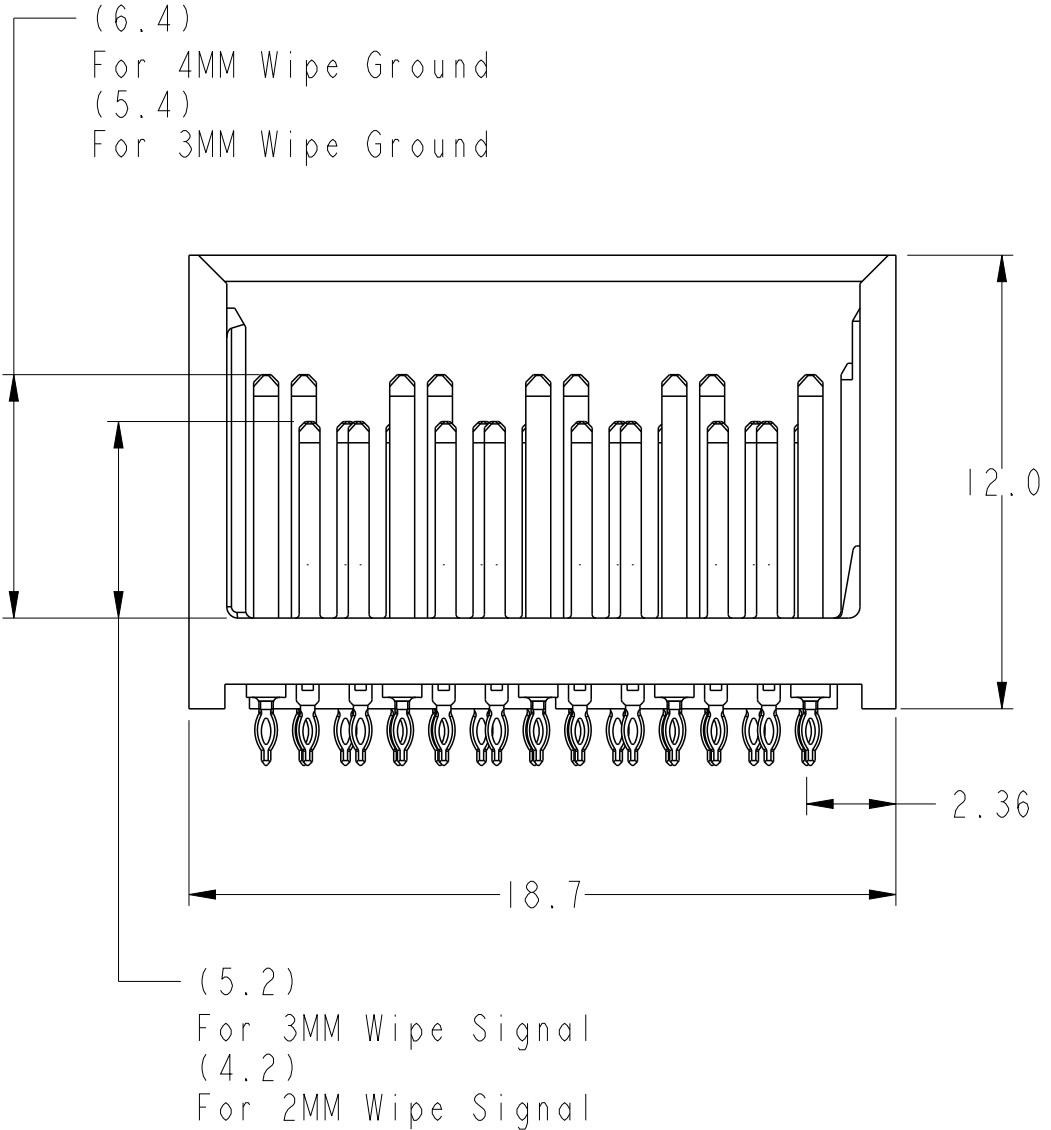
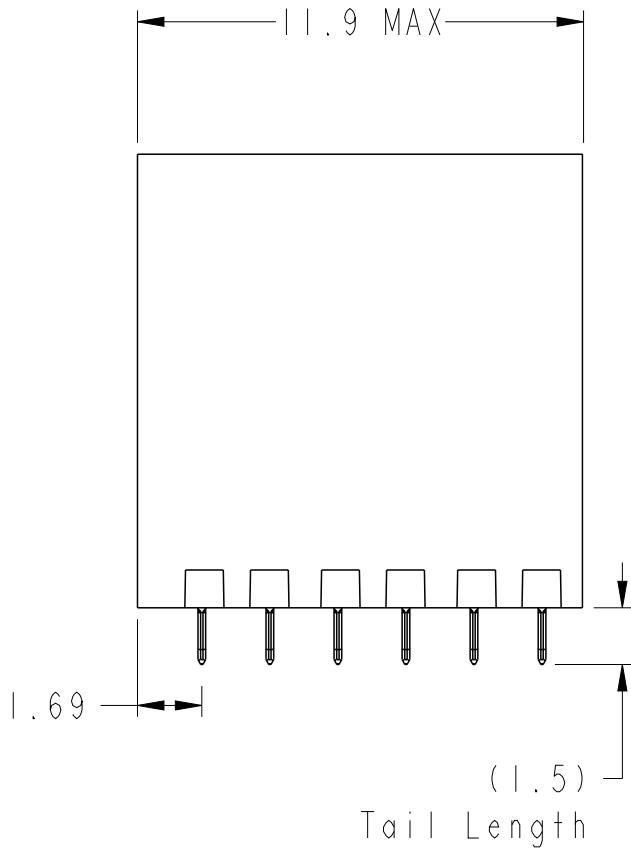
LEFT WALL MODULE

SEE NOTE 5

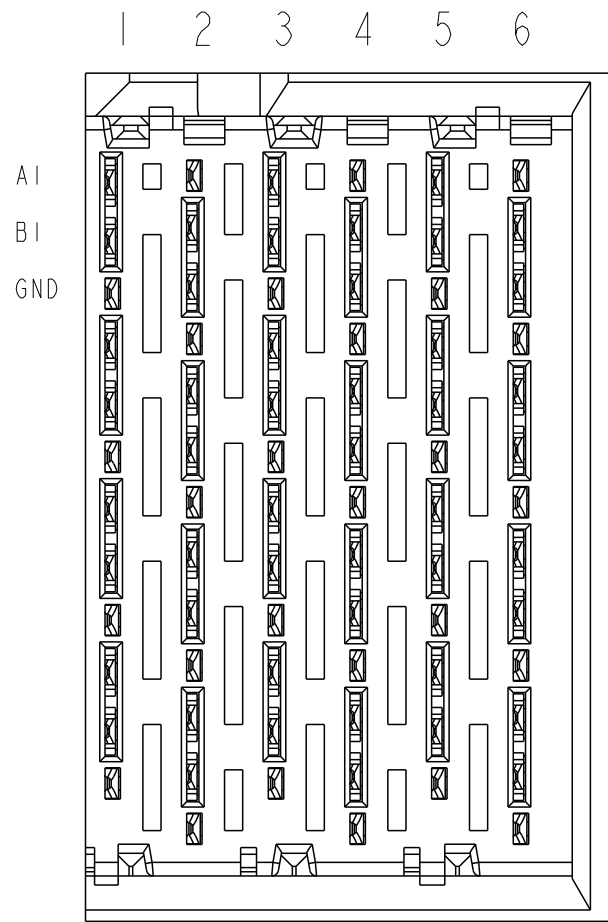
PIN A1



BP HOLE PATTERN COMPONENT SIDE
LEFT WALL MODULE BACKPLANE FOOTPRINT

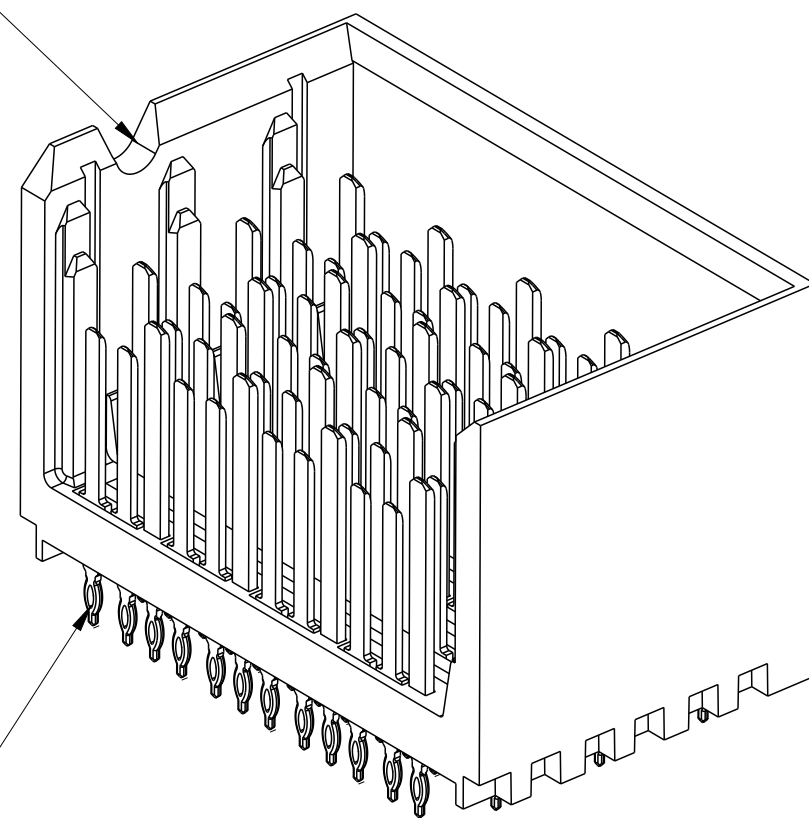


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tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2016/03/08	chr	-	ecn no	ELX-S-17624-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2016/03/17	product family	XCEDE HD	cat. no.	10120128	rev	C
TOLERANCES UNLESS OTHERWISE SPECIFIED		Amphenol FCI		MODULE ASSEMBLY, XCEDE HD		Vertical Header, 4 Pair 6 Column		Product - Customer Drw		sheet 3 of 8
linear		0.X ±0.3		0.XX ±0.10		0.XXX ±0.050		angular		0° ±2°



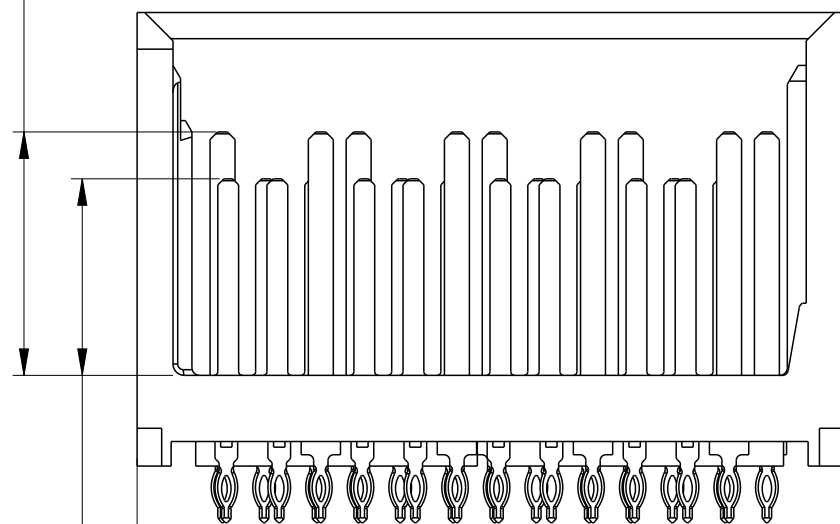
SEE NOTE 5

PIN A1



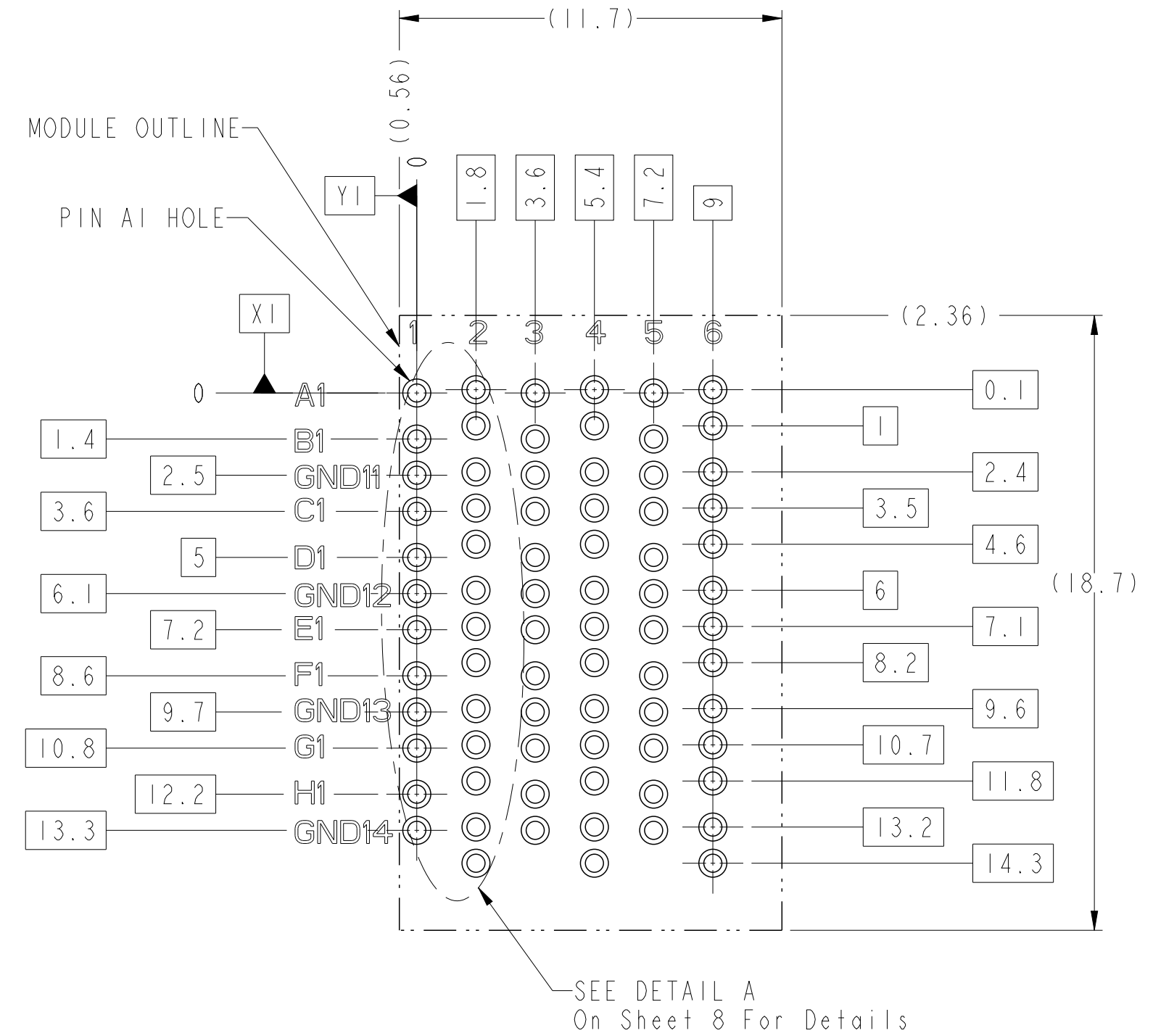
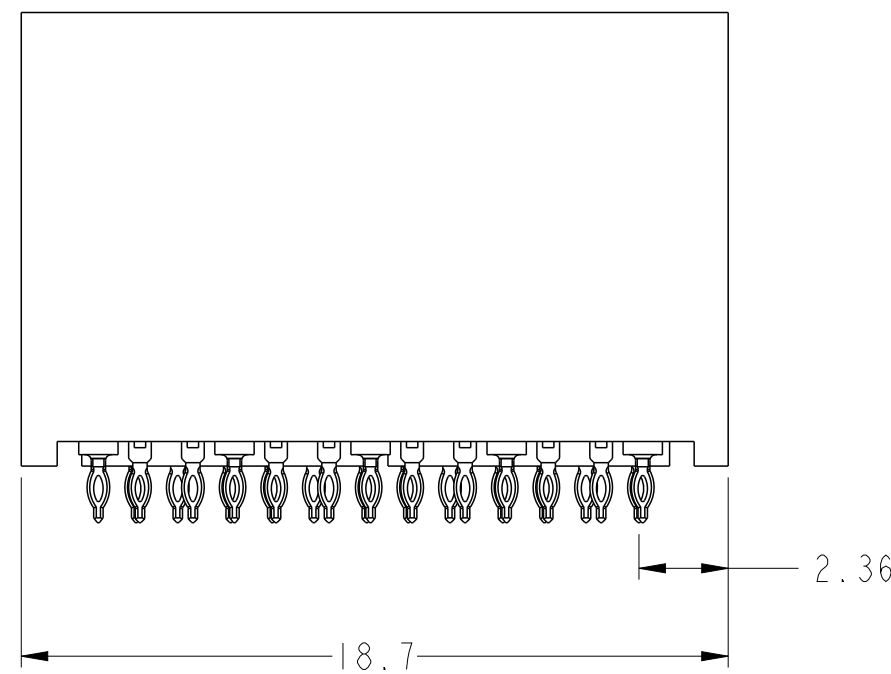
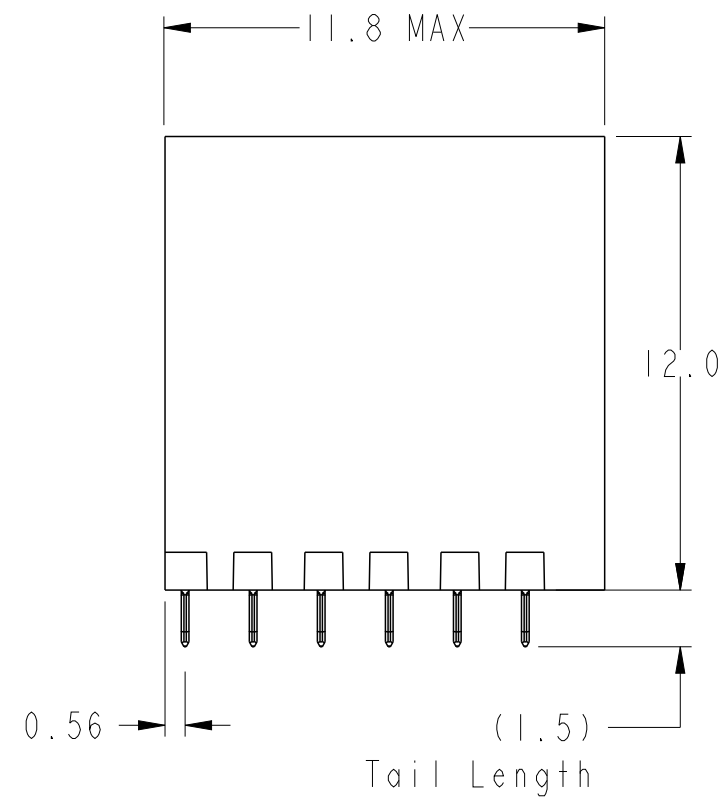
RIGHT WALL MODULE

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



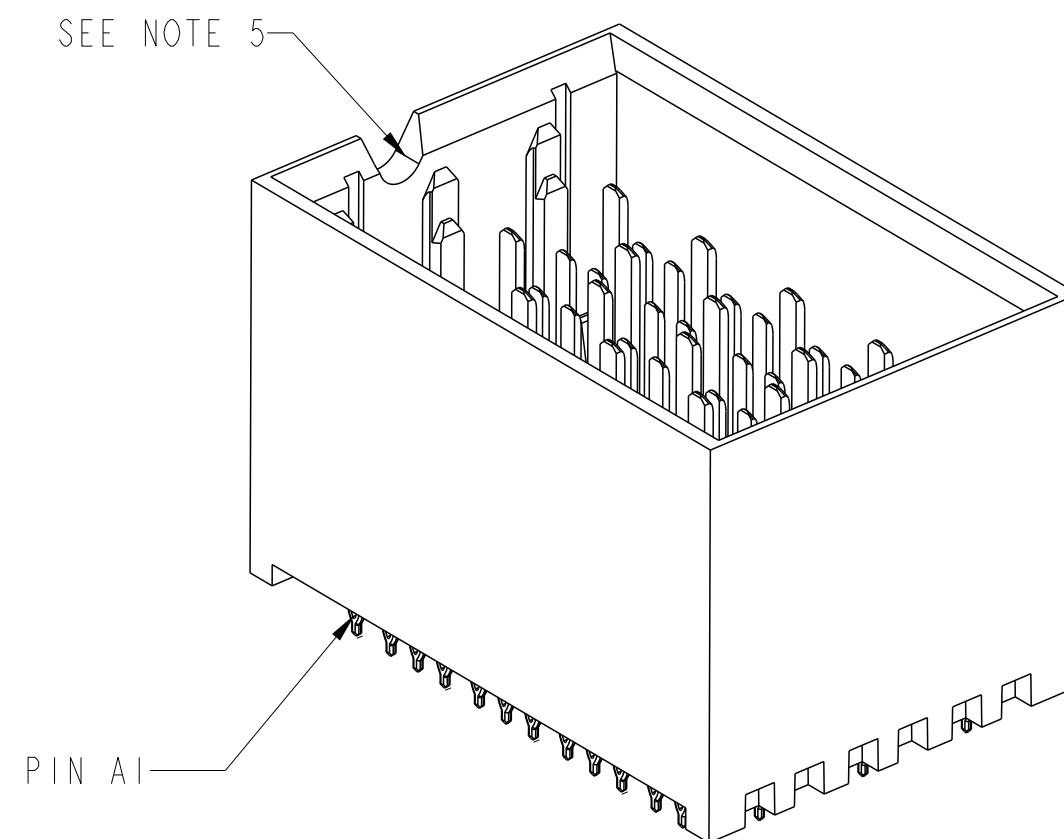
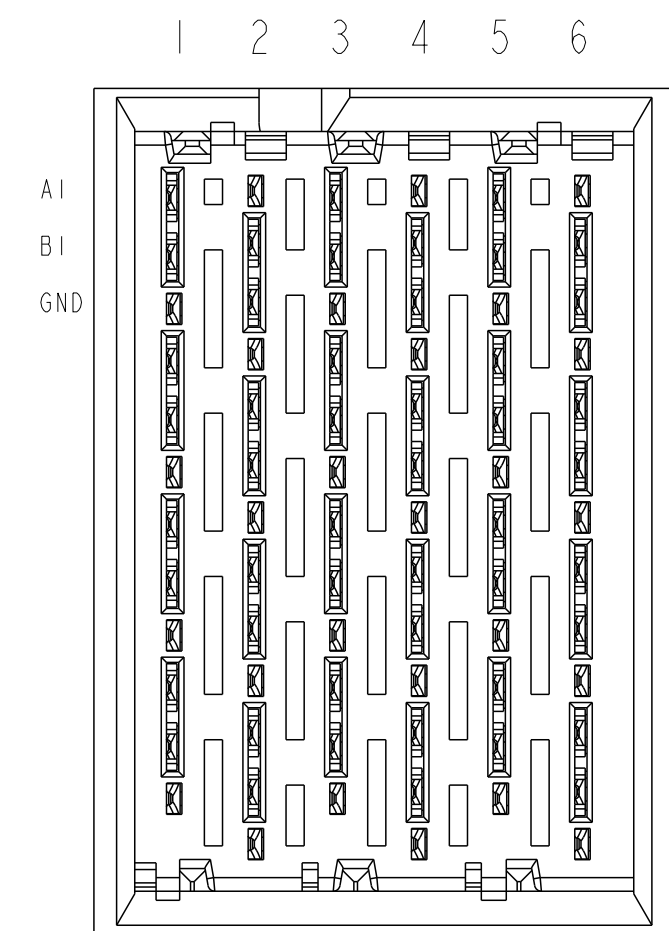
2.36

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

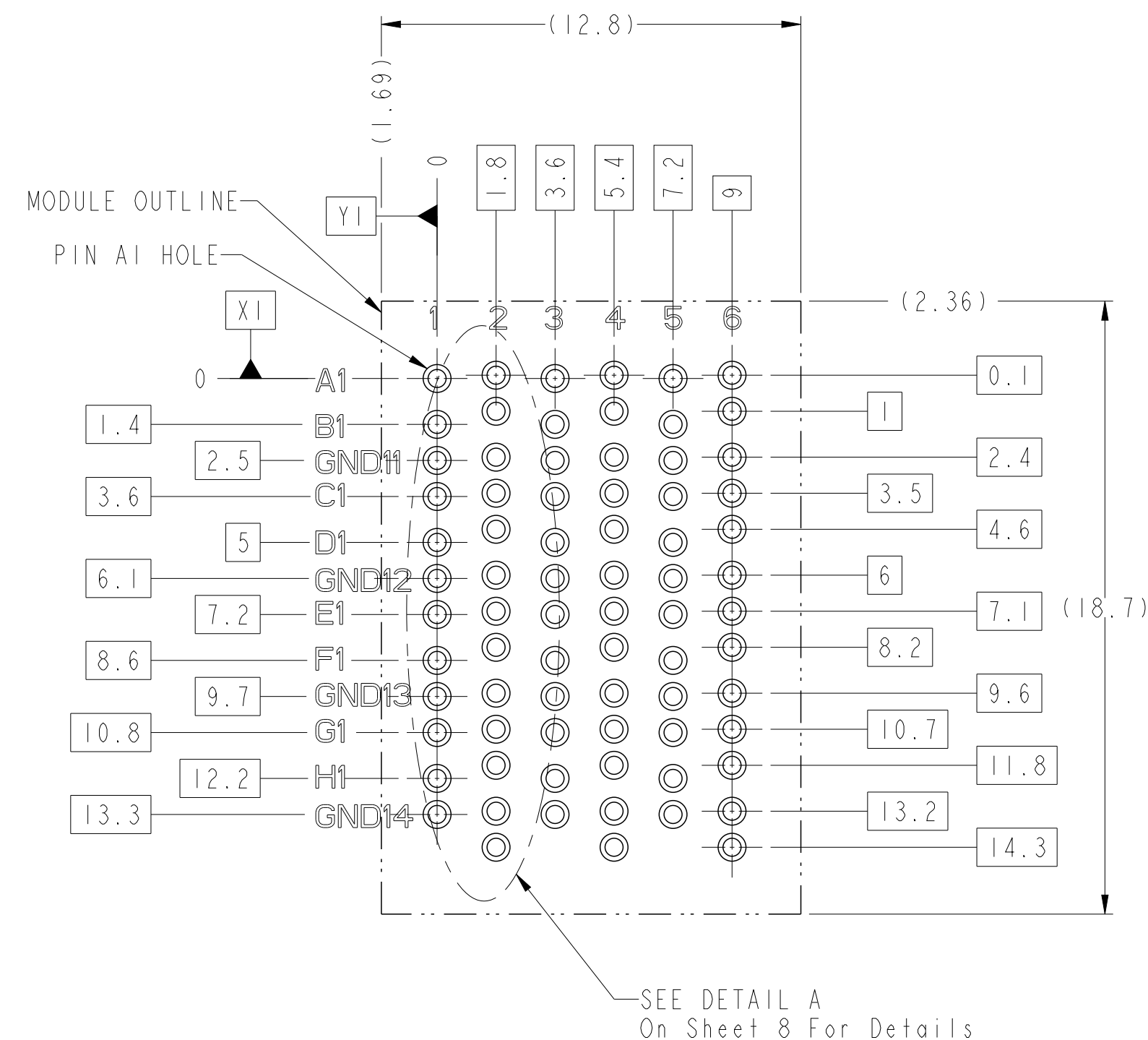


BP HOLE PATTERN COMPONENT SIDE RIGHT WALL MODULE BACKPLANE FOOTPRINT

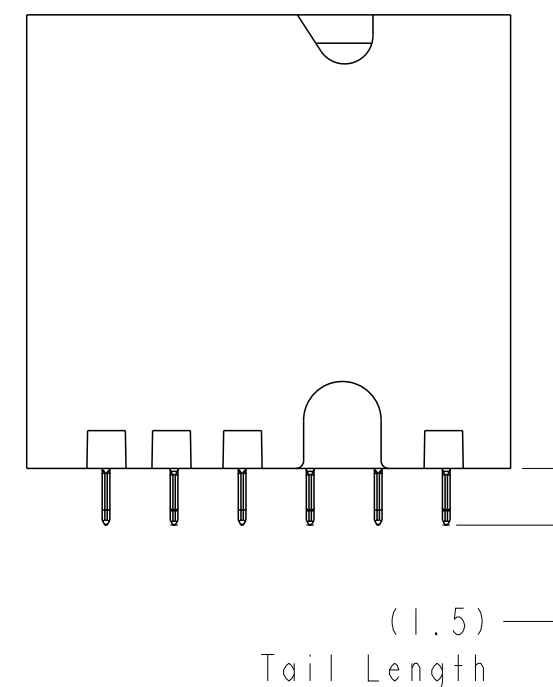
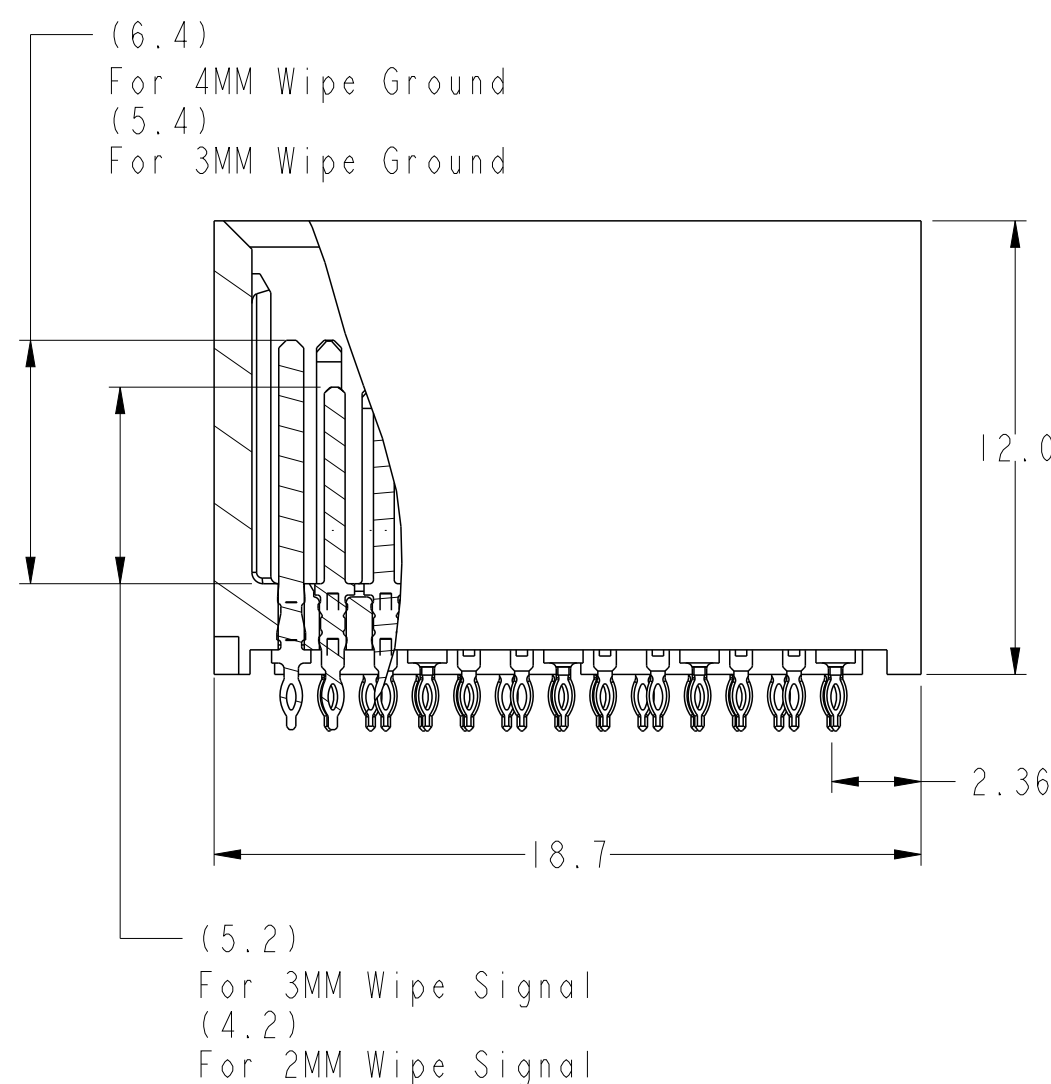
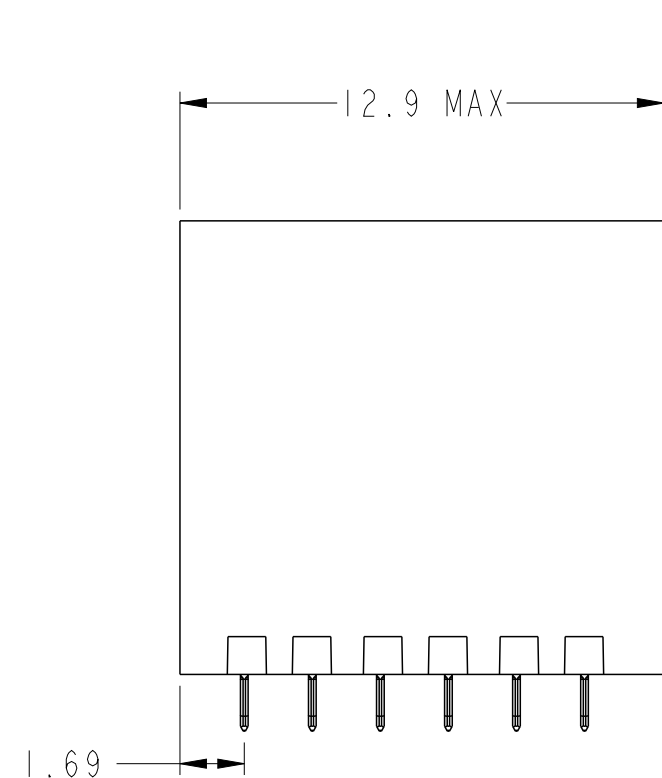
spec ref	-	dr	Yong-Keat Lim	2012/03/01	projection	mm	size	A2	scale	2:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2016/03/08	chr	-	ecn no	ELX-S-17624-1		
	TOLERANCES UNLESS OTHERWISE SPECIFIED	appr	Chen-Hong Tan	2016/03/17	product family	XCEDE HD	rel level	Released		
surface	ISO 1302	linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.050	angular	0° ±2°	Amphenol FCi www.fci.com	title	MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 6 Column	cat. no.	-
							Product - Customer Drw	sheet 4 of 8		



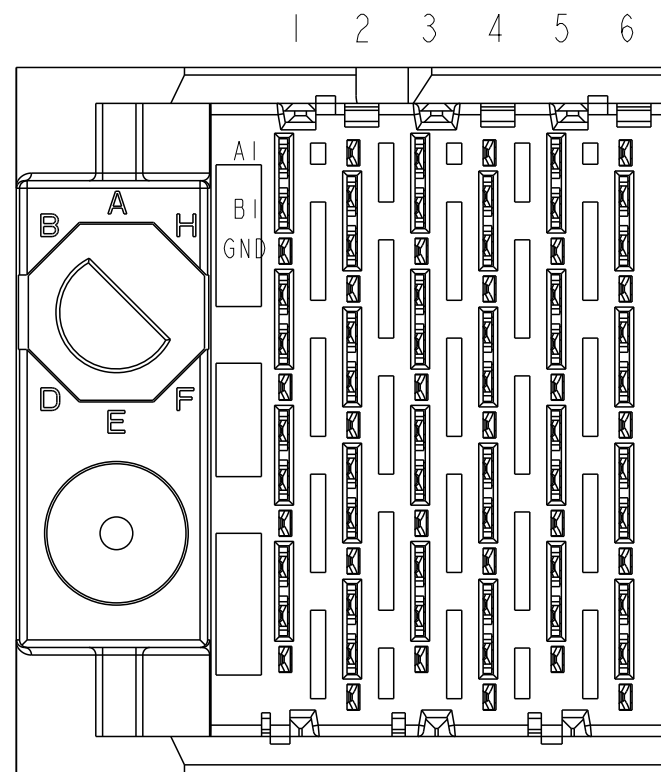
△ FOUR WALL MODULE



BP HOLE PATTERN COMPONENT SIDE
△ FOUR WALL MODULE BACKPLANE FOOTPRINT

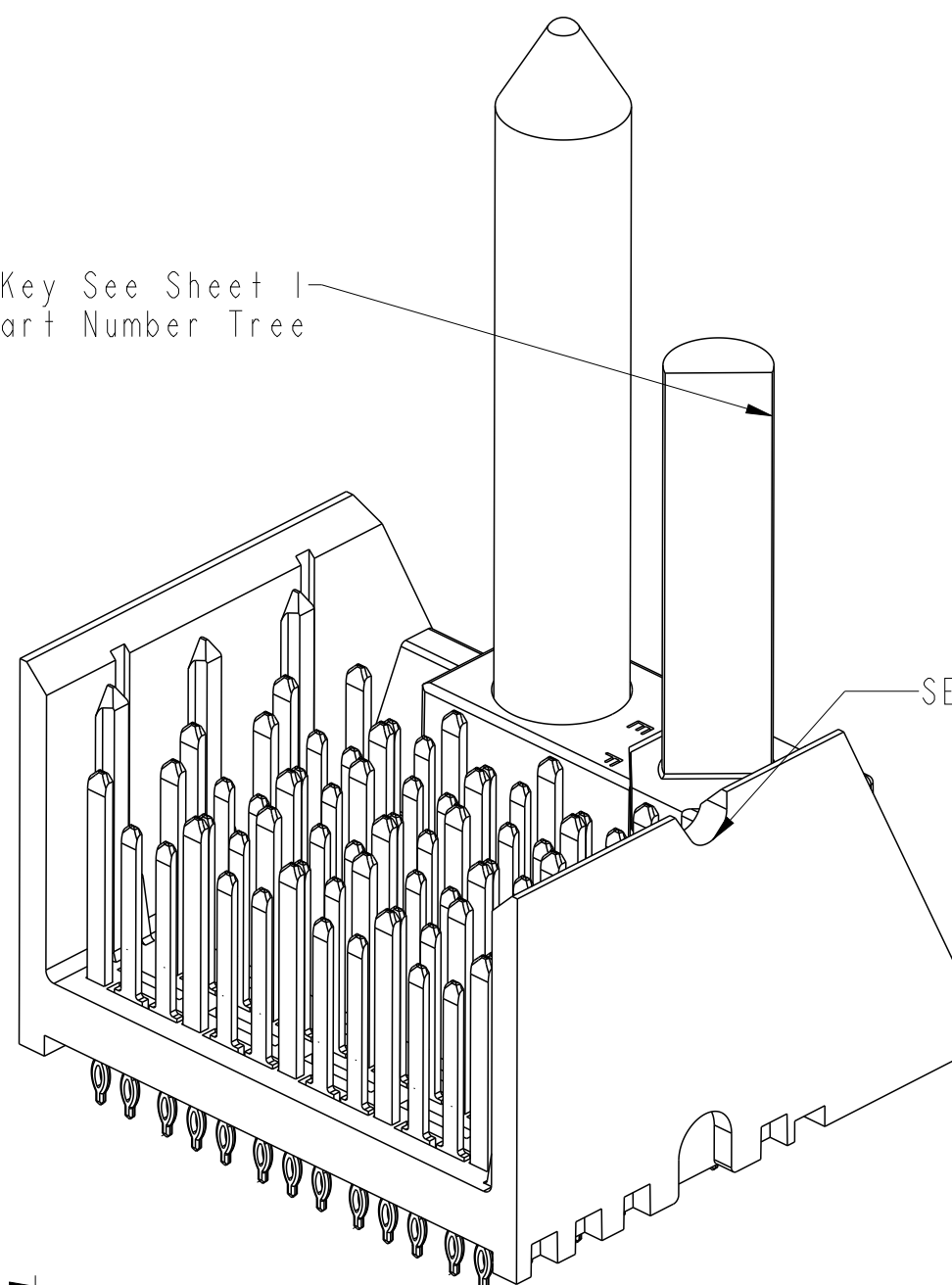


spec ref	-	dr	Yong-Keat Lim	2012/03/01	projection	mm	size	A2	scale	2:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2016/03/08	chr	-	ecn no	ELX-S-17624-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2016/03/17	product family	XCEDE HD	cat. no.	10120128	rev	C
TOLERANCES UNLESS OTHERWISE SPECIFIED		Amphenol FCI		MODULE ASSEMBLY, XCEDE HD		Vertical Header, 4 Pair 6 Column		Product - Customer Drw		sheet 5 of 8
linear		0.X	±0.3	angular		0°	±2°	PDS: Rev :C		STATUS:Released
0.XX		±0.10	0.XXX		±0.050	Printed: Mar 17, 2016				

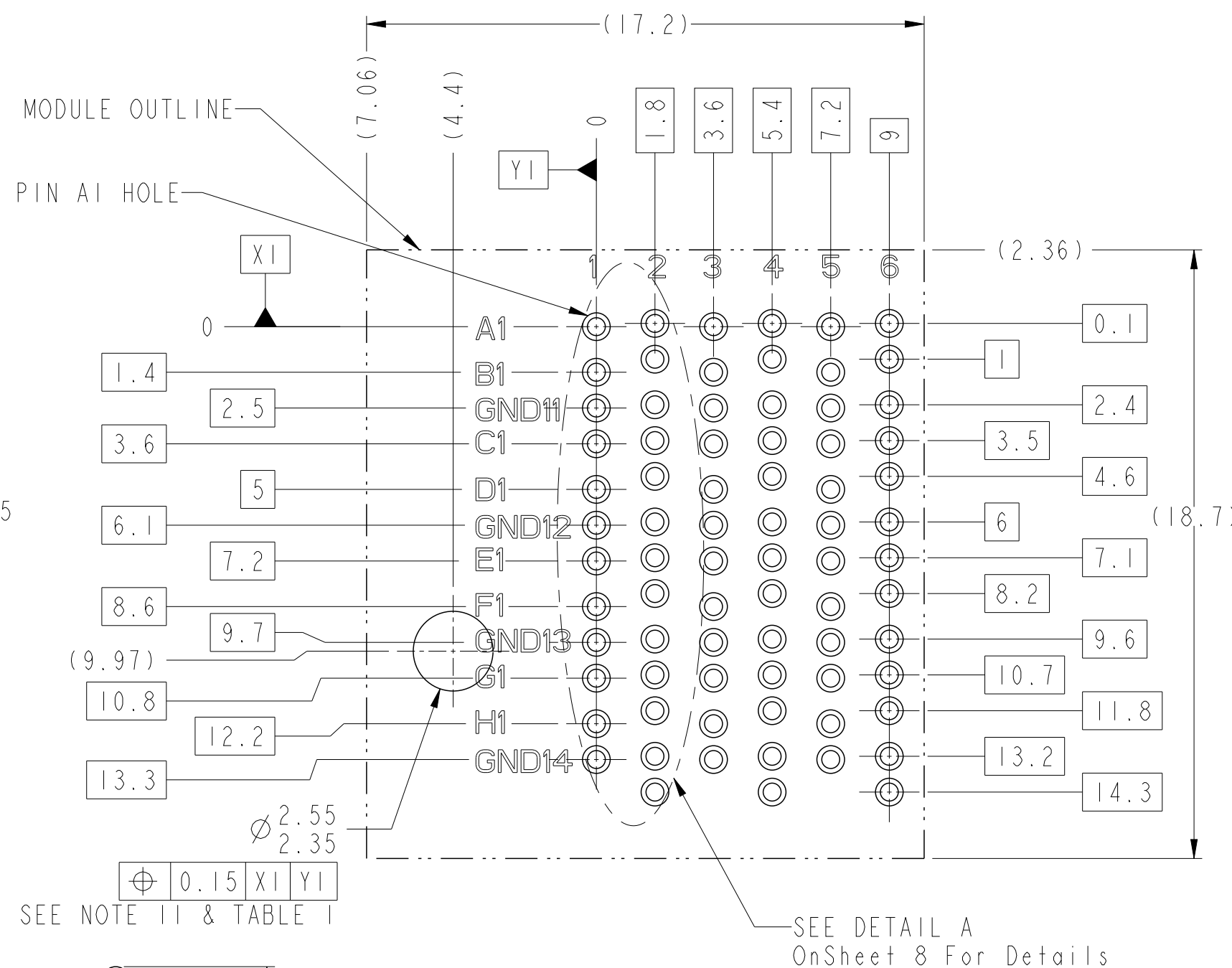


LEFT POLARIZING/GUIDE MODULE

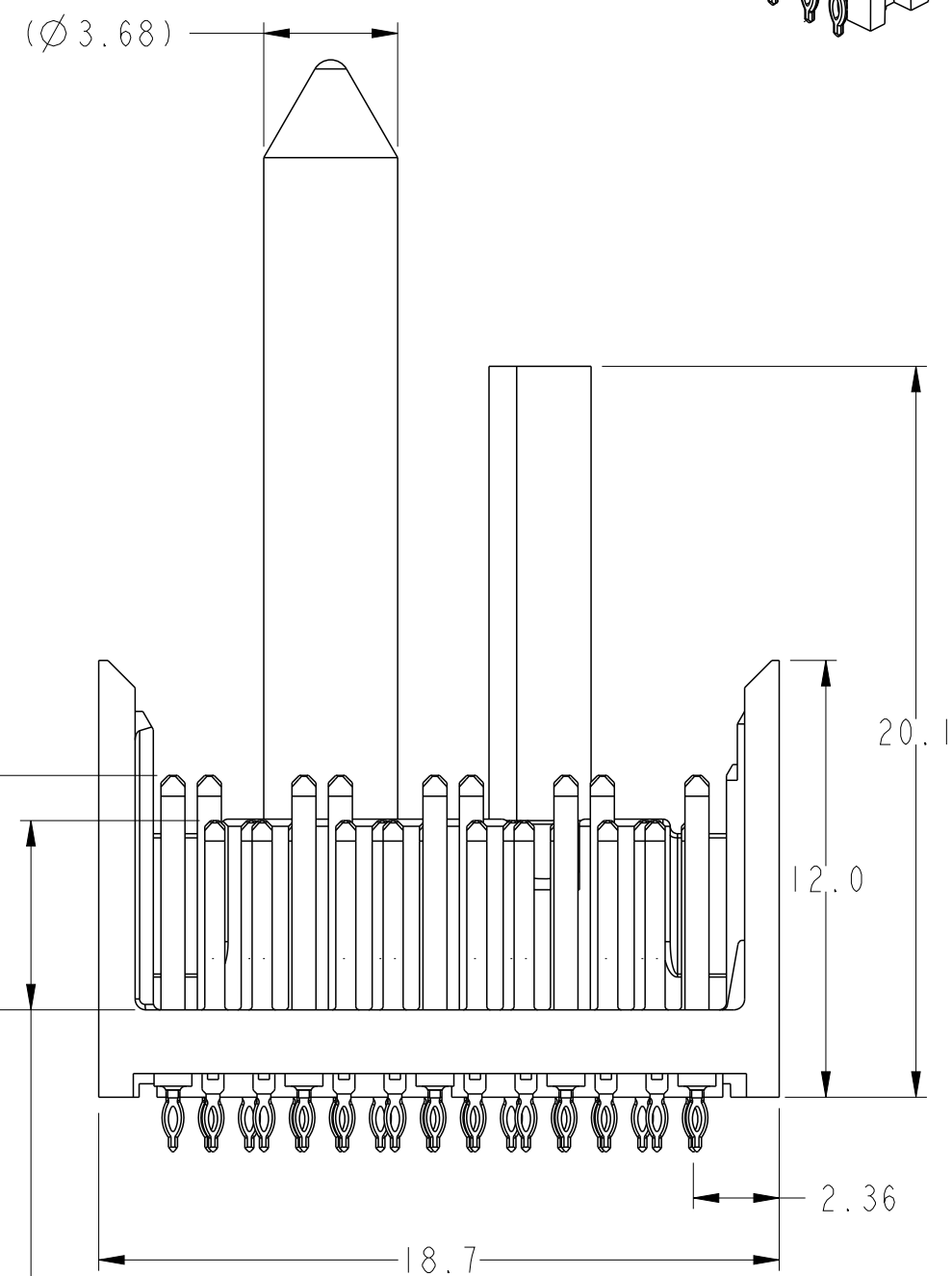
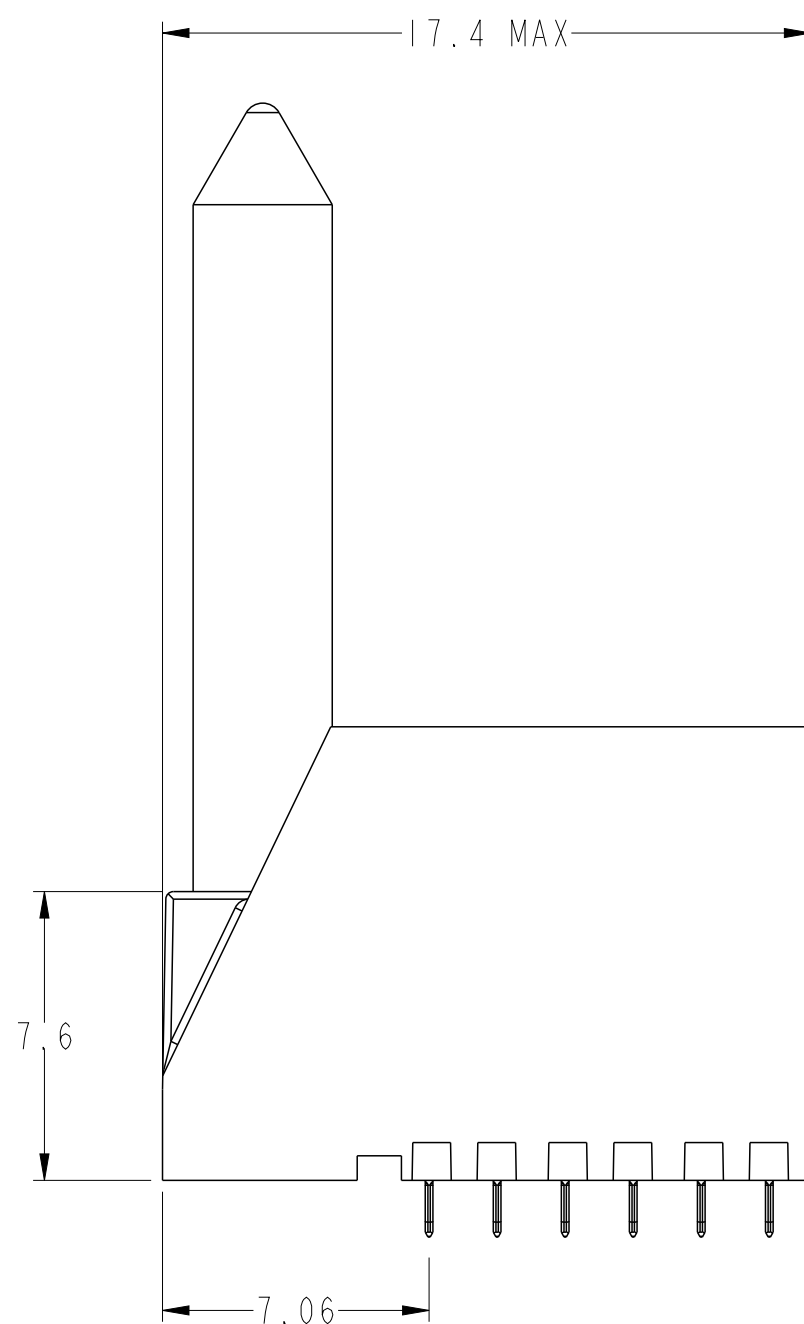
Optional Key See Sheet 1
Part Number Tree



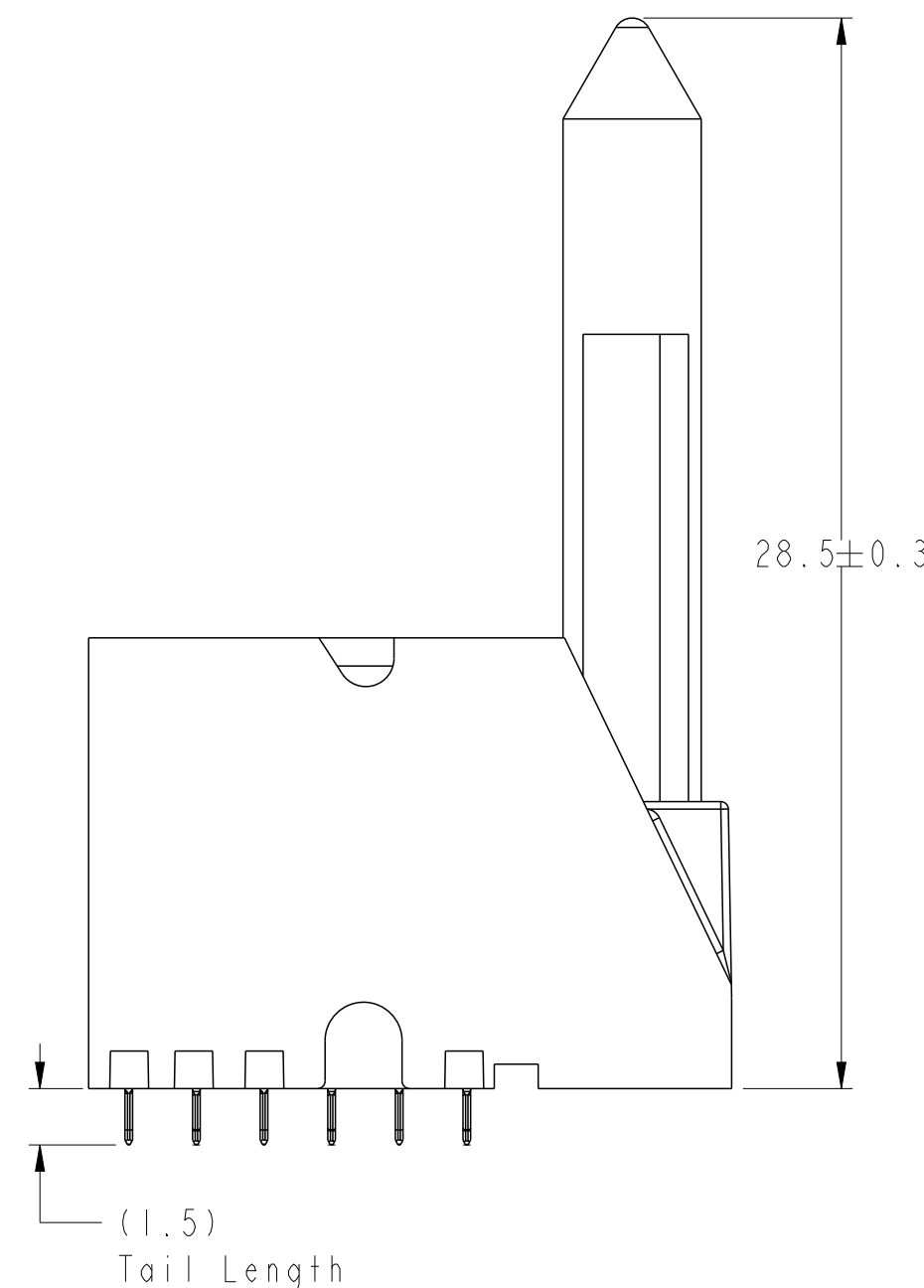
SEE NOTE 5



SEE DETAIL A
OnSheet 8 For Details

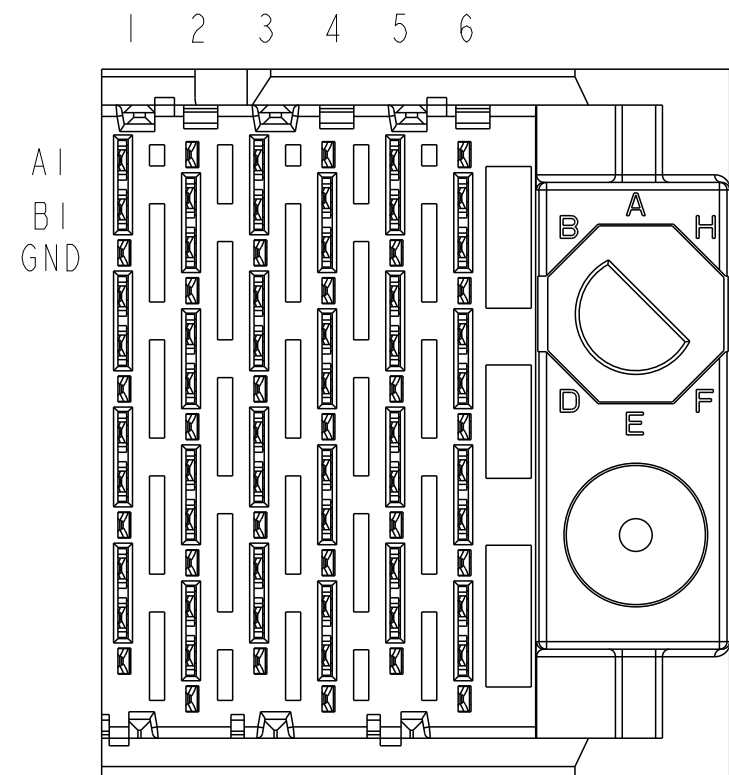


(5.2)
For 3MM Wipe Signal
(4.2)
For 2MM Wipe Signal
(6.4)
For 4MM Wipe Ground
(5.4)
For 3MM Wipe Ground

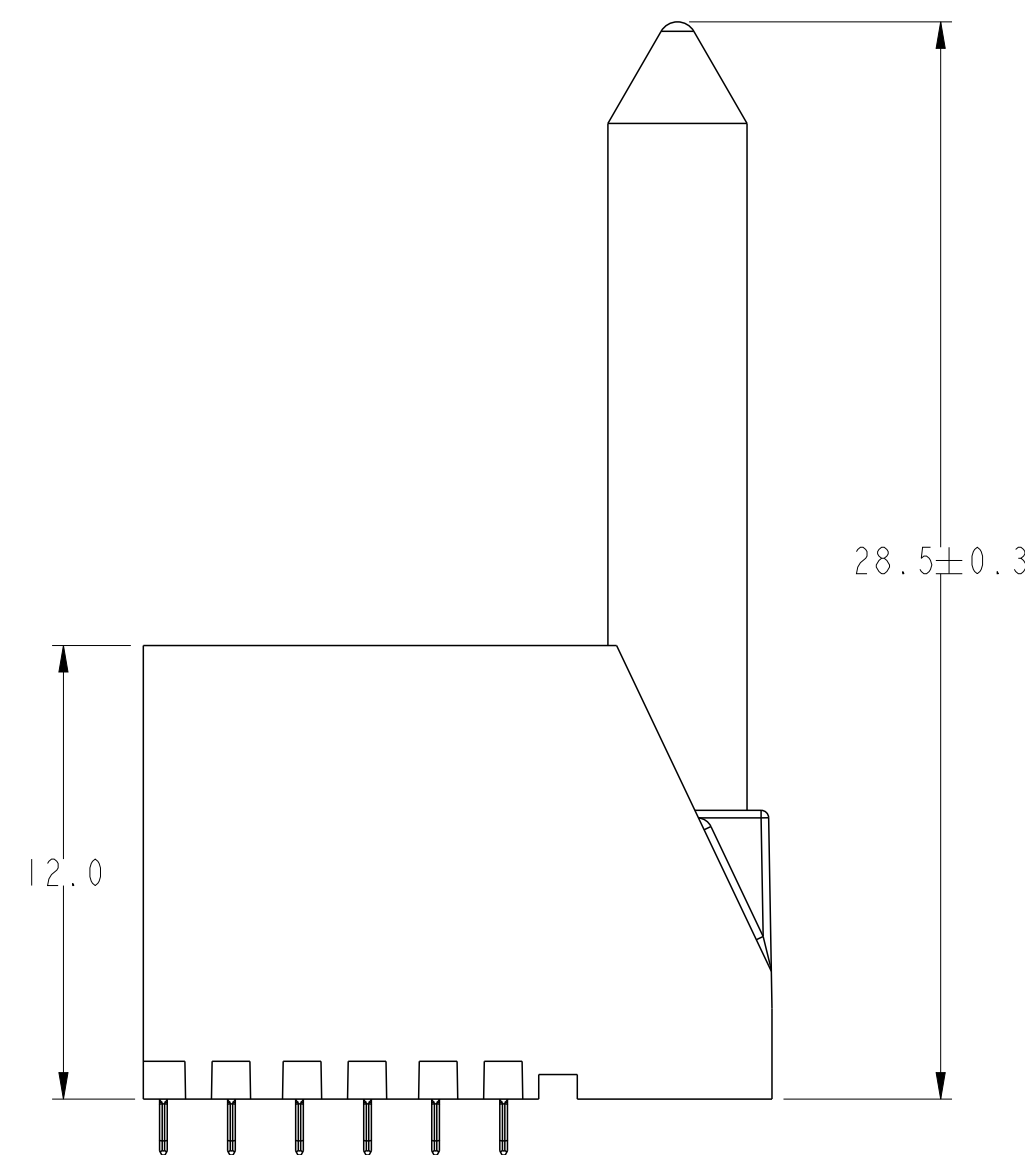
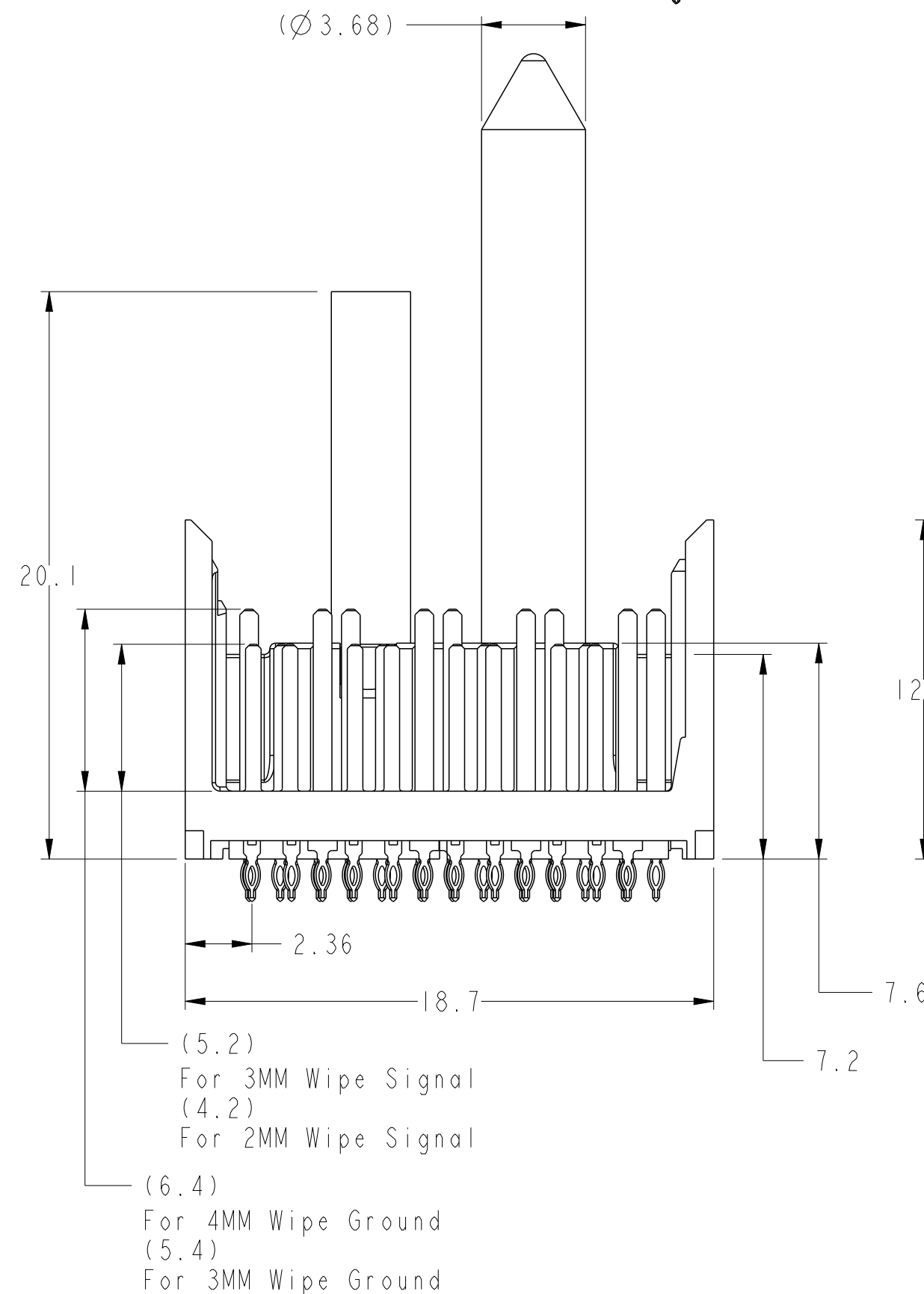
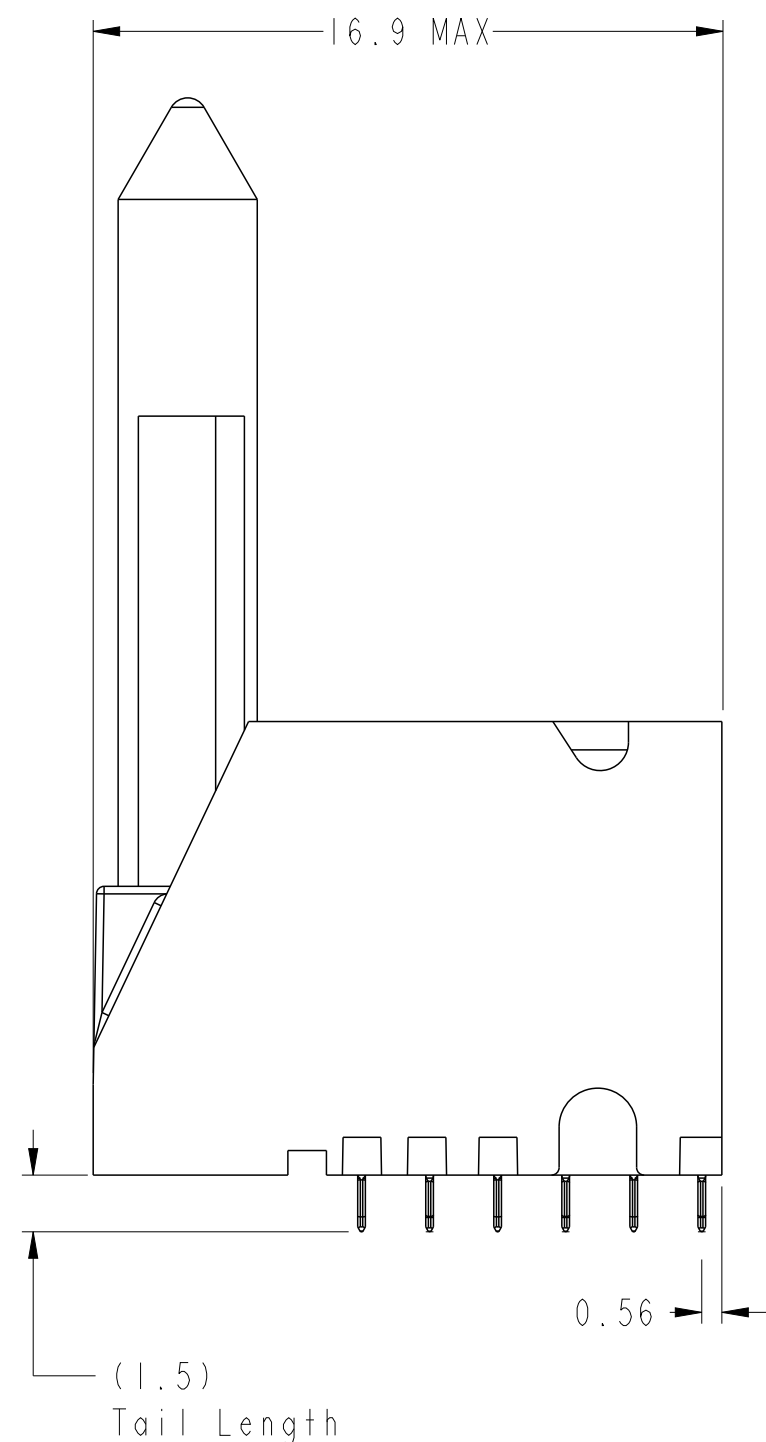
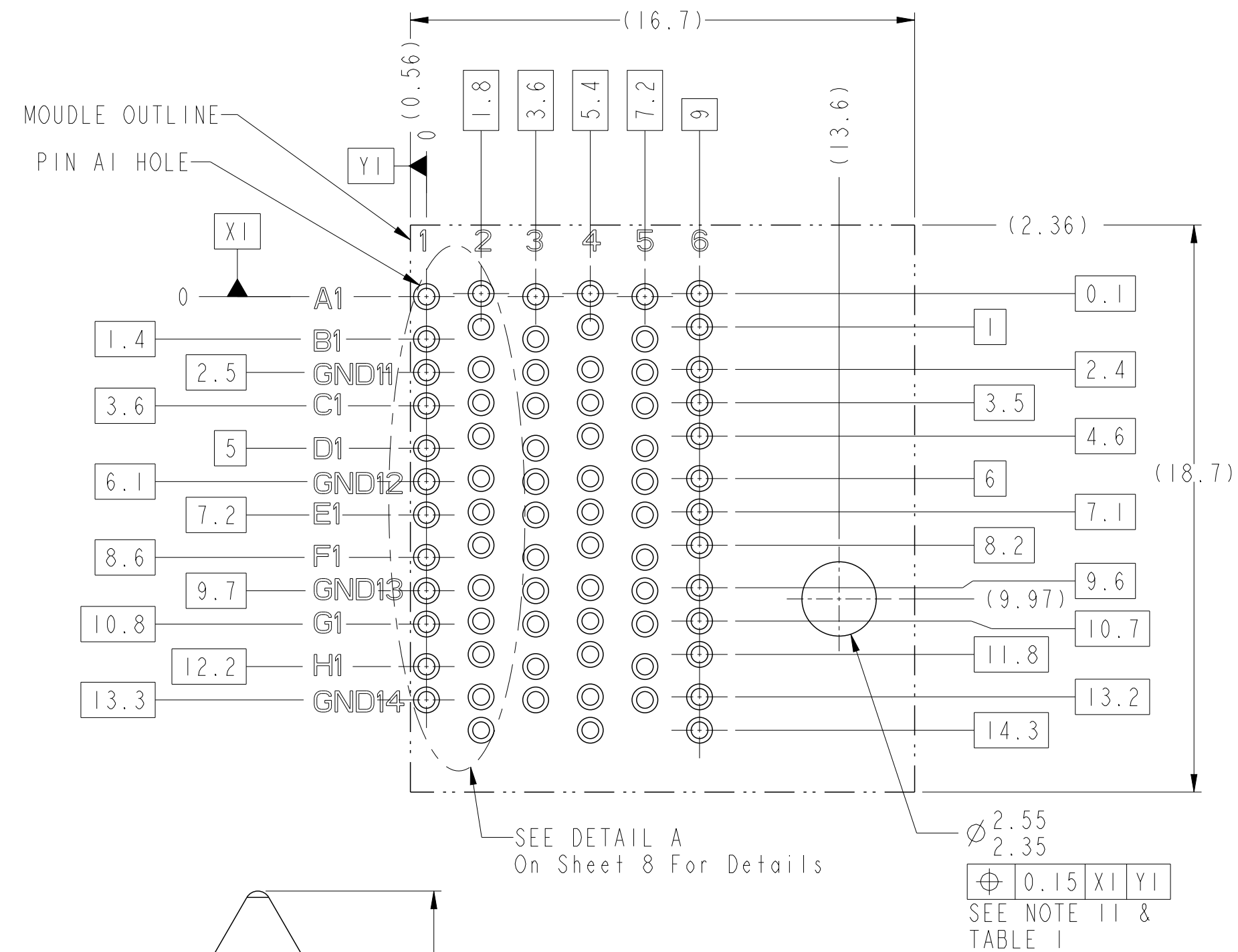
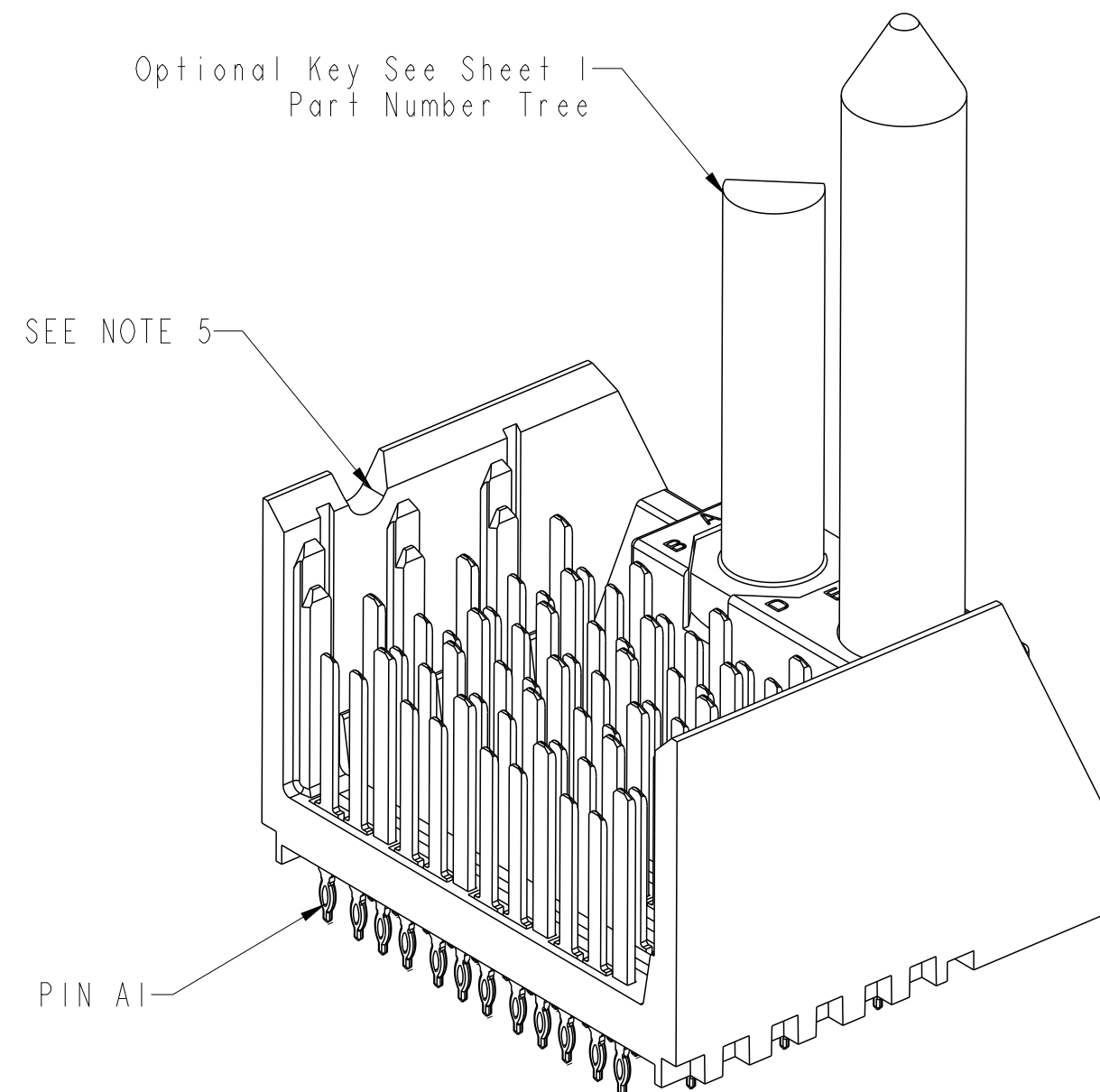


BP HOLE PATTERN COMPONENT SIDE
LEFT POLARIZING GUIDE MODULE
BACKPLANE FOOTPRINT

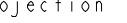
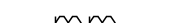
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tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2016/03/08	chr	-	ecn no	ELX-S-17624-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2016/03/17	product family	XCEDE HD	cat. no.	10120128	rev	C
TOLERANCES UNLESS OTHERWISE SPECIFIED		linear		0.X	±0.3	angular		0°	±2°	
				0.XX	±0.10					
				0.XXX	±0.050					



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	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Sandar Soe	2016/03/08					ecn no	ELX-S-17624-1			
			chr		-	-					rel level			Released	
ISO 406		appr		Chen-Hong Tan	2016/03/17	product family			XCEDE HD						
ISO 1101															
surface		linear	0.X	±0.3	Amphenol FCI	title	MODULE ASSEMBLY, XCEDE HD				dwg no	10120128		rev	C
			0.XX	±0.10											
			0.XXX	±0.050											
		angular	0°	±2°											

PDS: Rev :C

STATUS:Released

Printed: Mar 17, 2016

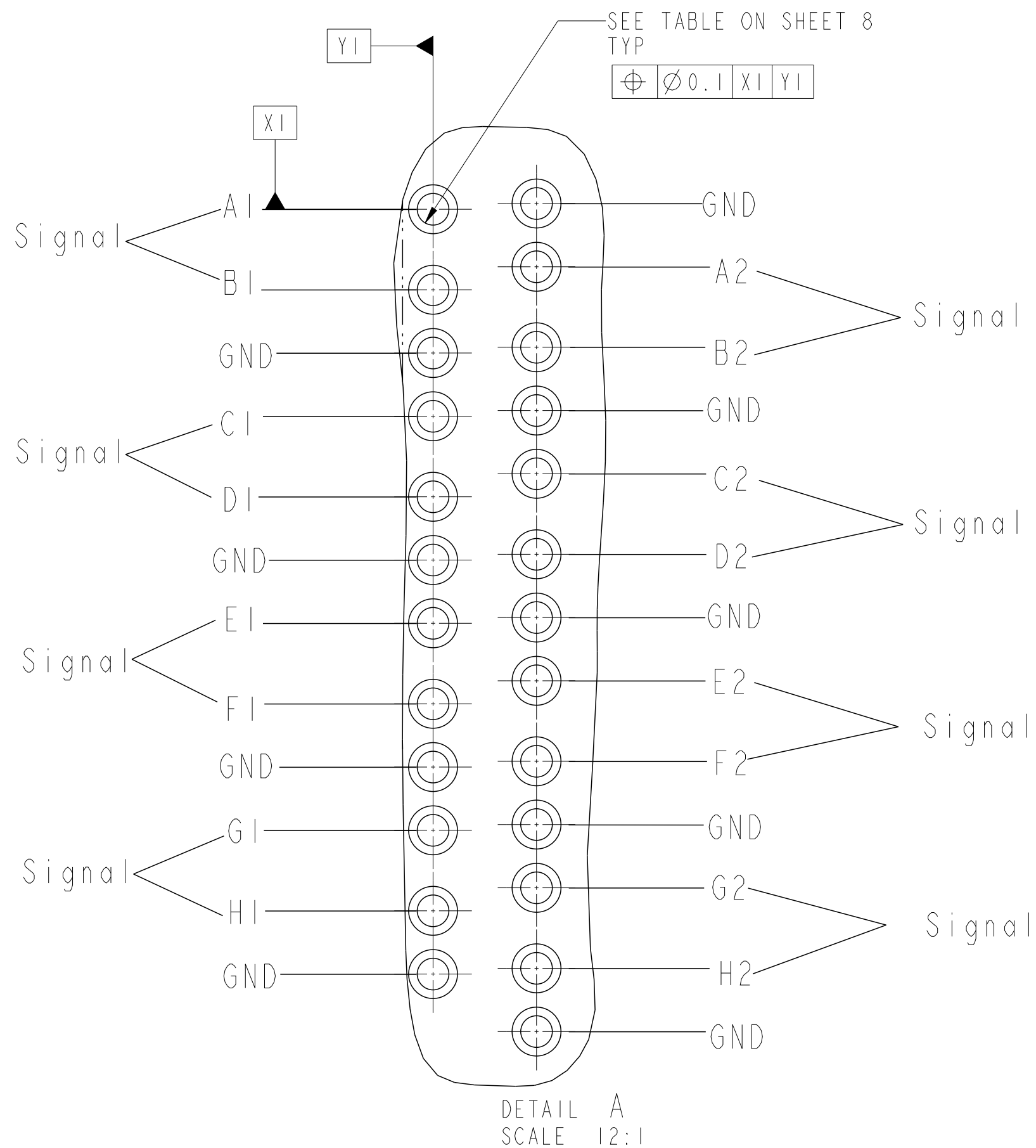


TABLE 3		
	COMPLIANT PIN DRILL $\phi 0.55$ [0.0217"]	COMPLIANT PIN DRILL $\phi 0.45$ [0.0177"]
PTH	$\phi 0.45 \pm 0.05$	$\phi 0.36 \pm 0.05$
DRILL	$\phi 0.55$ [0.0217"]	$\phi 0.45$ [0.0177"]
PAD	$\phi 0.85$	$\phi 0.75$

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 (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 $\triangle C$ 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	2012/03/01	projection	mm	size	A2	scale	2:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2016/03/08	chr	-	ecn no	ELX-S-17624-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2016/03/17	product family	XCEDE HD	cat. no.	10120128	rev	C
TOLERANCES UNLESS OTHERWISE SPECIFIED		Amphenol FCI		MODULE ASSEMBLY, XCEDE HD		Vertical Header, 4 Pair 6 Column		Product - Customer Drw		sheet 8 of 8
linear	0.X ± 0.3 0.XX ± 0.10 0.XXX ± 0.050	angular	0° $\pm 2^\circ$	www.fci.com		PDS: Rev :C		STATUS:Released		Printed: Mar 17, 2016