

A
B
C
D
E
F

1 0 1 1 5 0 9 1 - X 0 E - X X X L F

8-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 10115091-XXXX, WHERE: "X" DENOTES MODULE TYPE PER CHART ON THIS SHEET "YYYY" IS A SEQUENTIAL NUMBER BEGINNING WITH "0001".			

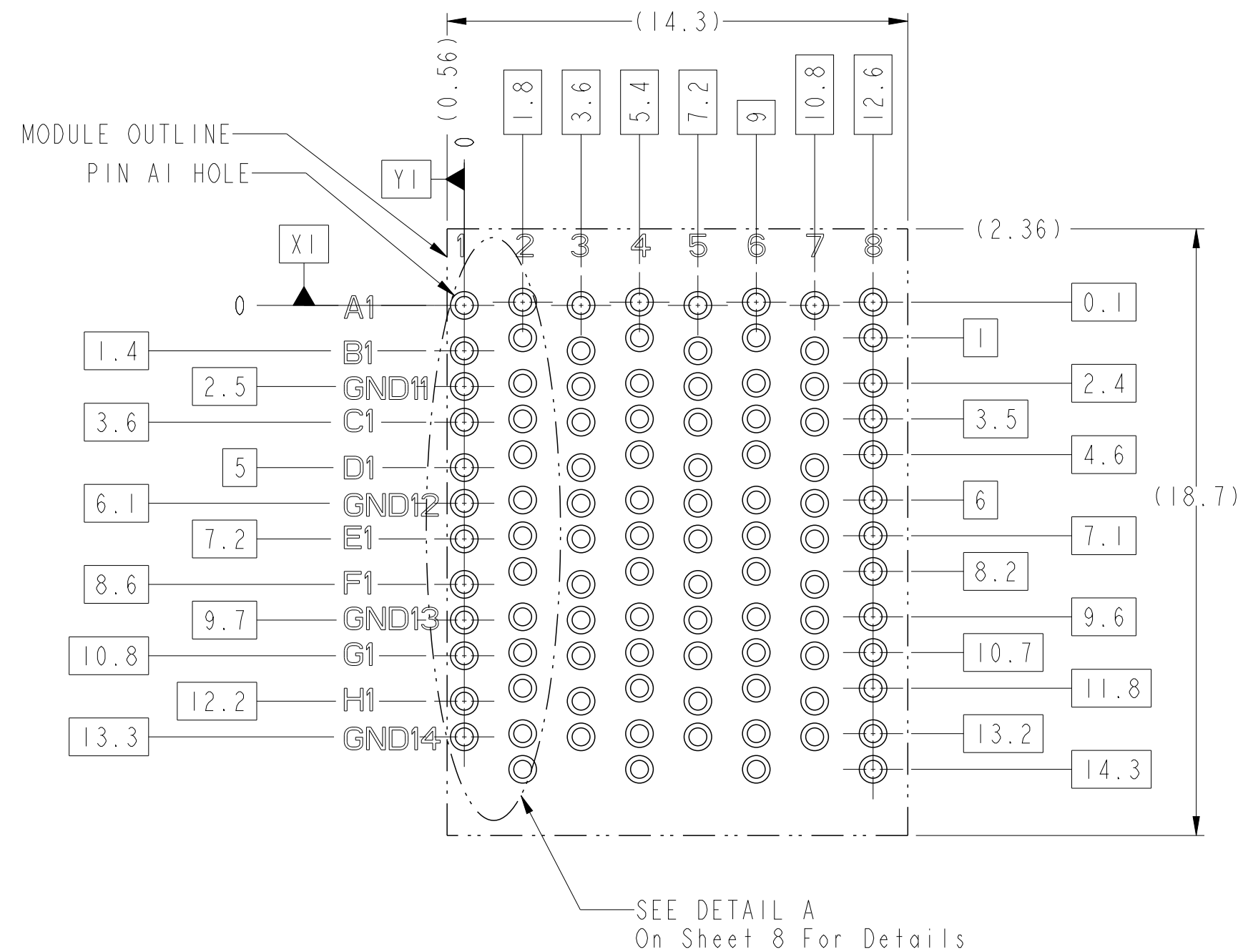
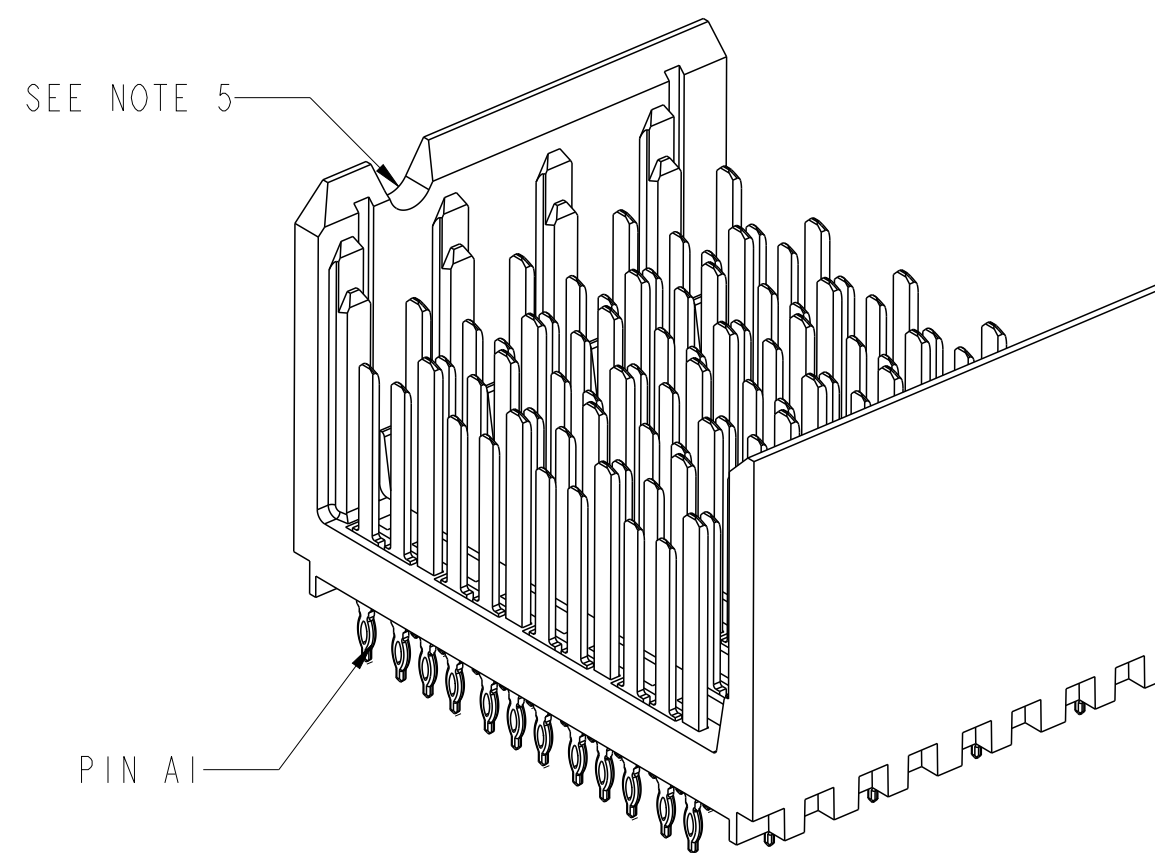
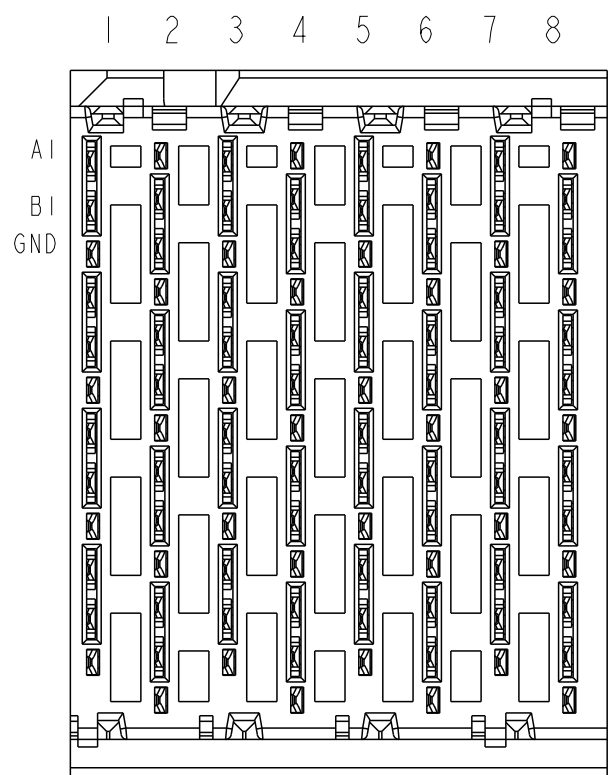
TABLE 1 (SEE NOTE 11)		
	UNGROUNDED	GROUNDED
FHS	Ø2.35-Ø2.55	Ø2.35-Ø2.55
PAD	N/A	Ø5.50
PLATED	NO	YES
DRILL(mm)	2.44mm	2.58mm
DRILL(in)	0.096"	0.1015"

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		TOLERANCES UNLESS OTHERWISE SPECIFIED	
ISO 406 ISO 1101			
surface 	linear	0.X	±0.3
		0.XX	±0.10
		0.XXX	±0.05
	ISO 1302	angular	0°

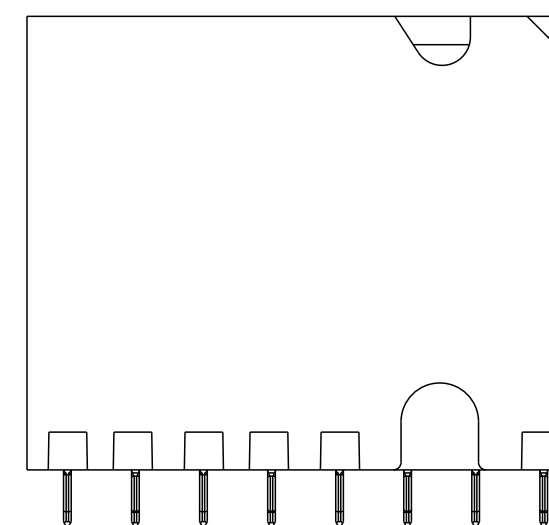
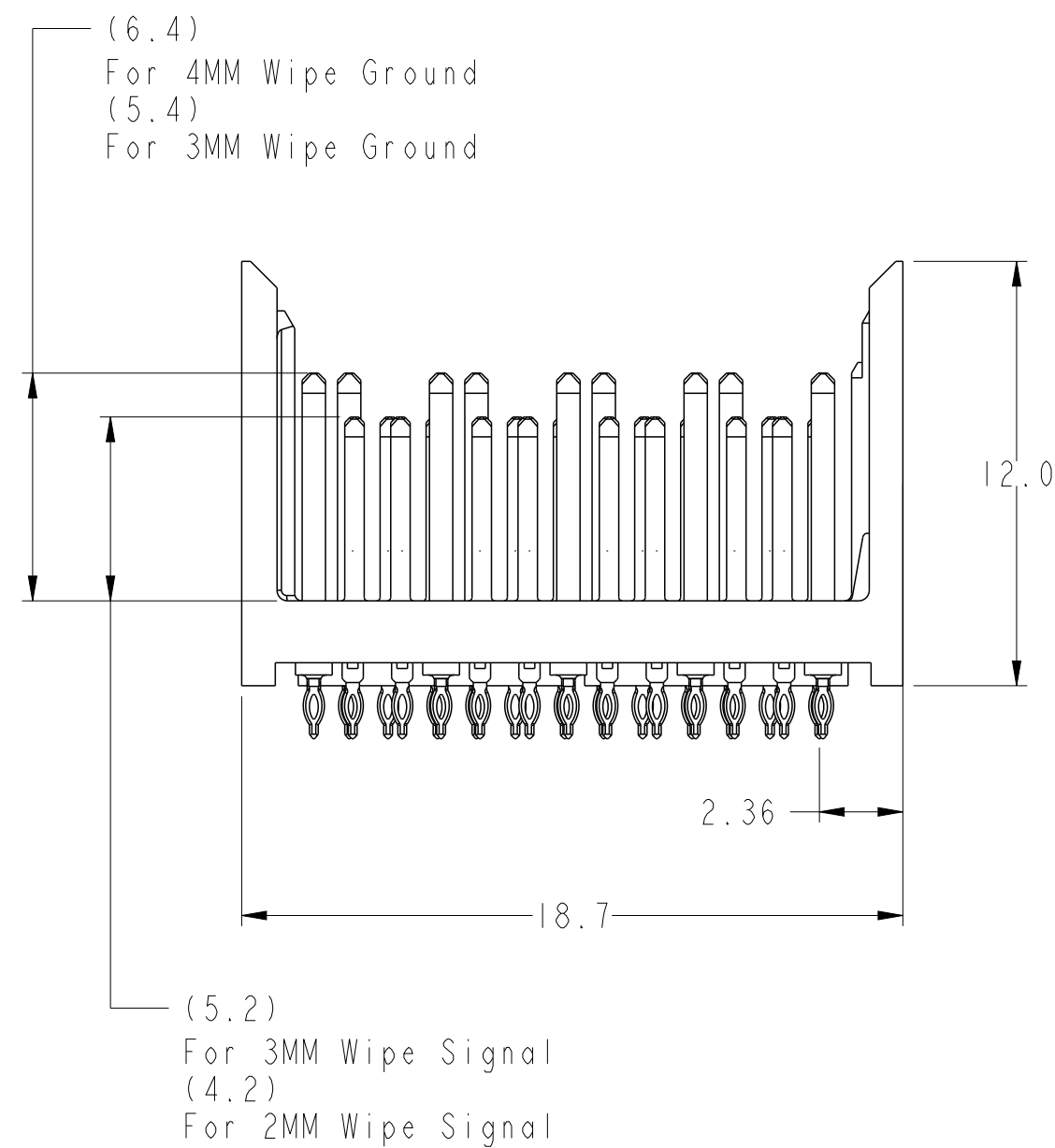
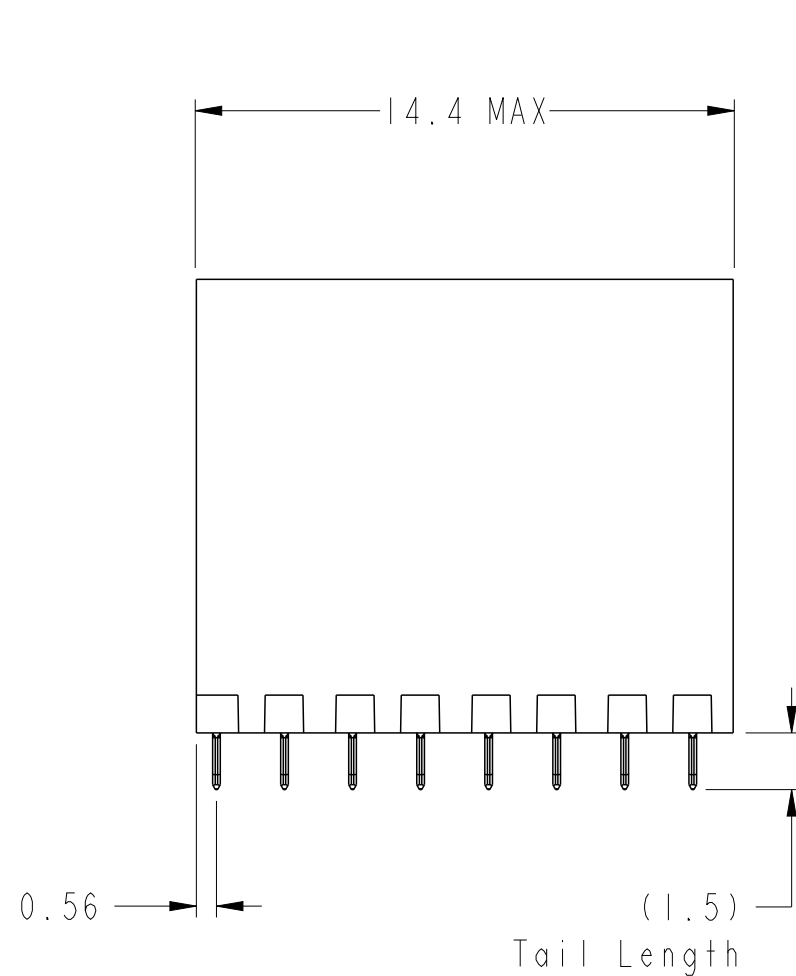
dr	Collins Lu	2011/07/27	projection 	mm 	size	A2	scale	1:1	
eng	Sandar Soe	2016/03/07			ecn no	ELX-S-17624-1			
chr	-	-							
appr	Chen-Hong Tan	2016/03/17	product family	-	rel level	Released			
Amphenol FCI		title	MODULE ASSEMBLY, XCEDE HD			dwg no	10115091		rev
www.fci.com			Veritcal Header, 4 Pair 8 Column				E		
cat. no.		-	Product - Customer Drw				sheet 1 of 8		

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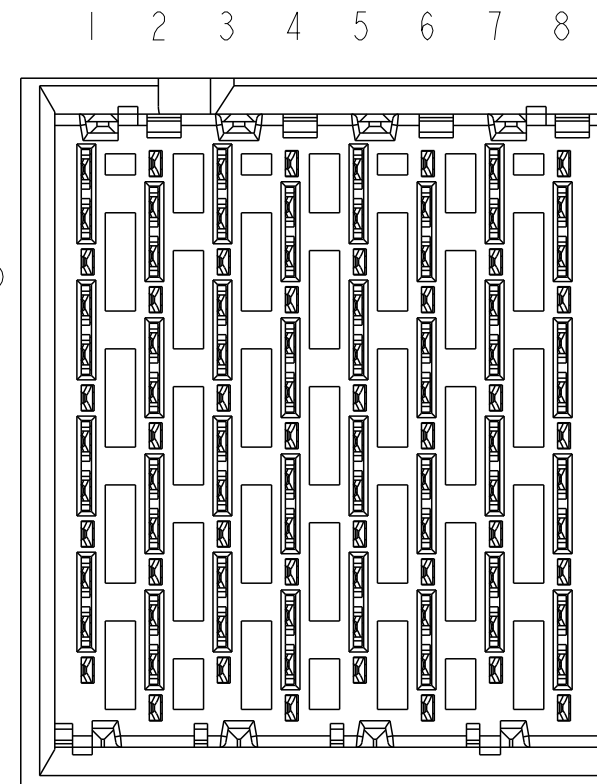


OPEN WALL MODULE

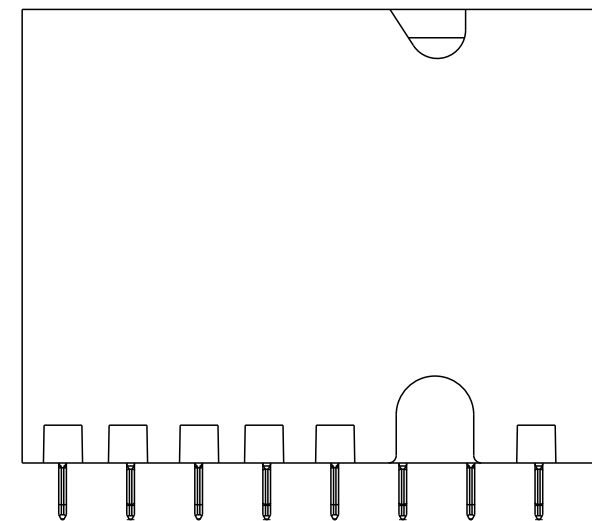
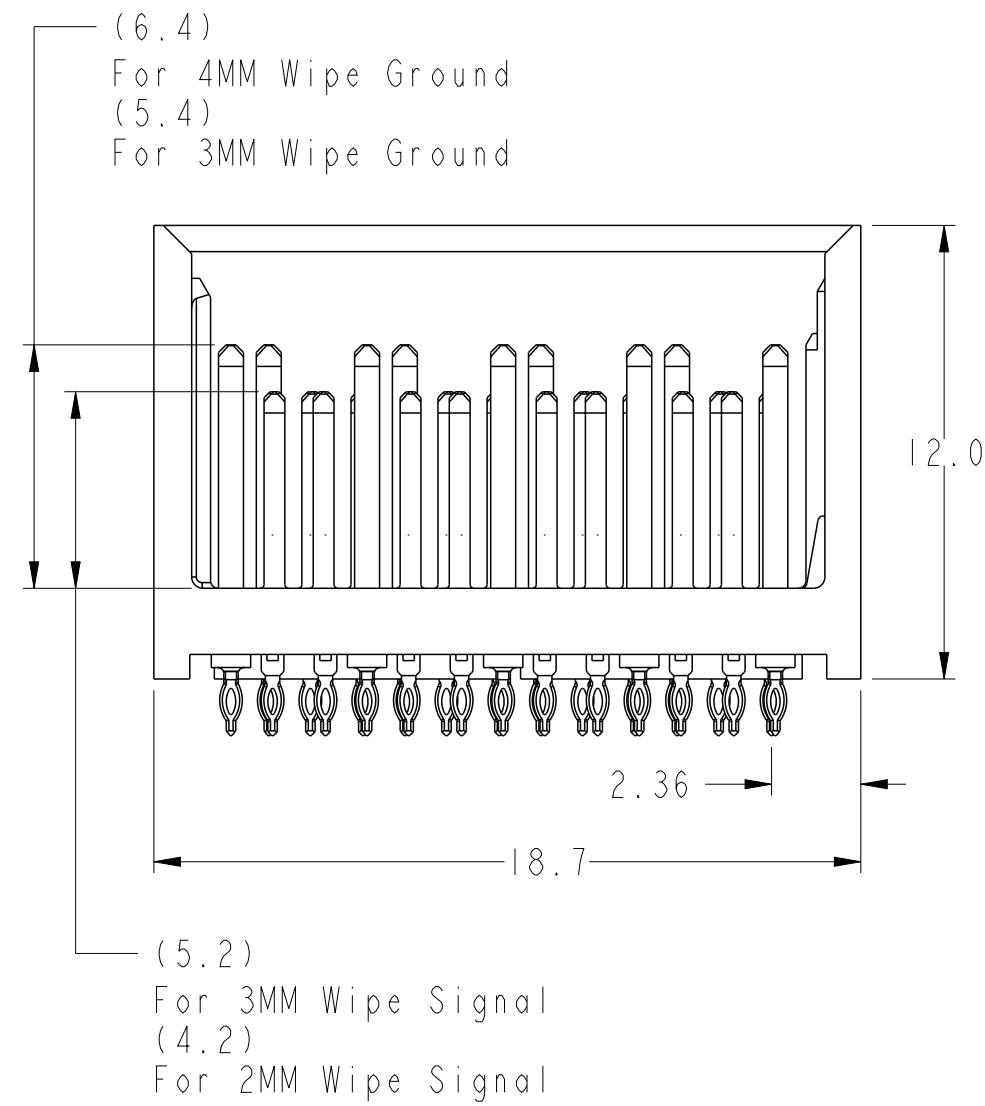
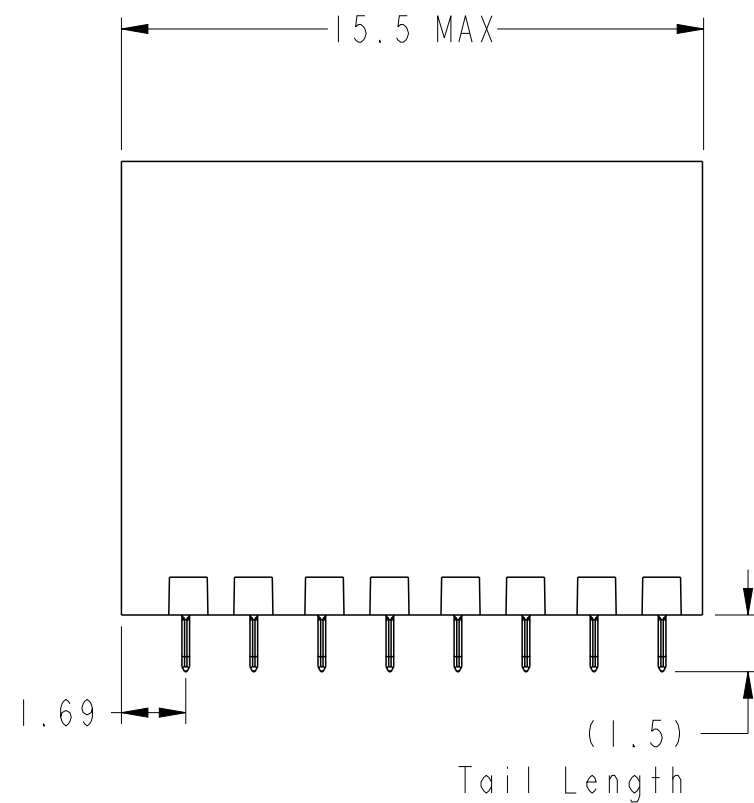
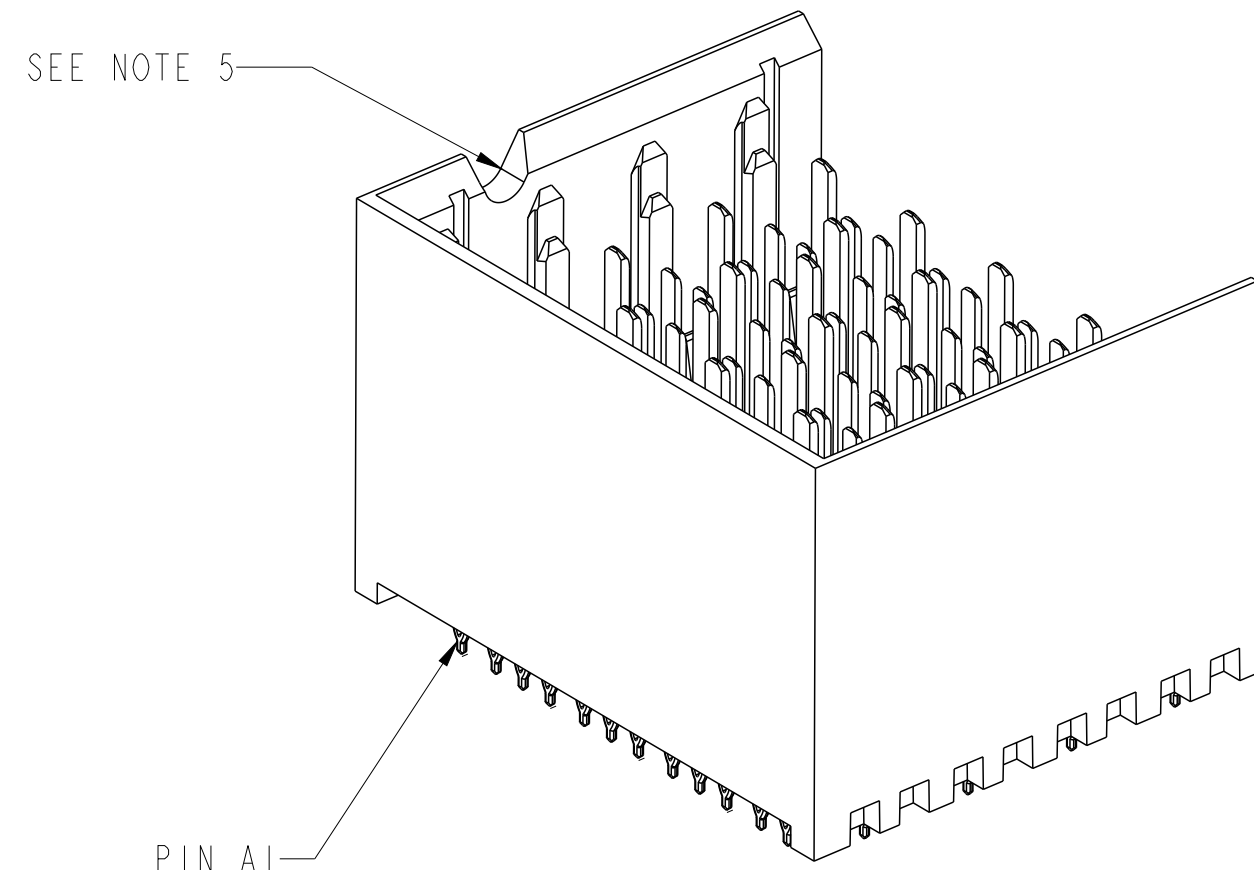
BP HOLE PATTERN COMPONENT SIDE
OPEN WALL MODULE BACKPLANE FOOTPRINT



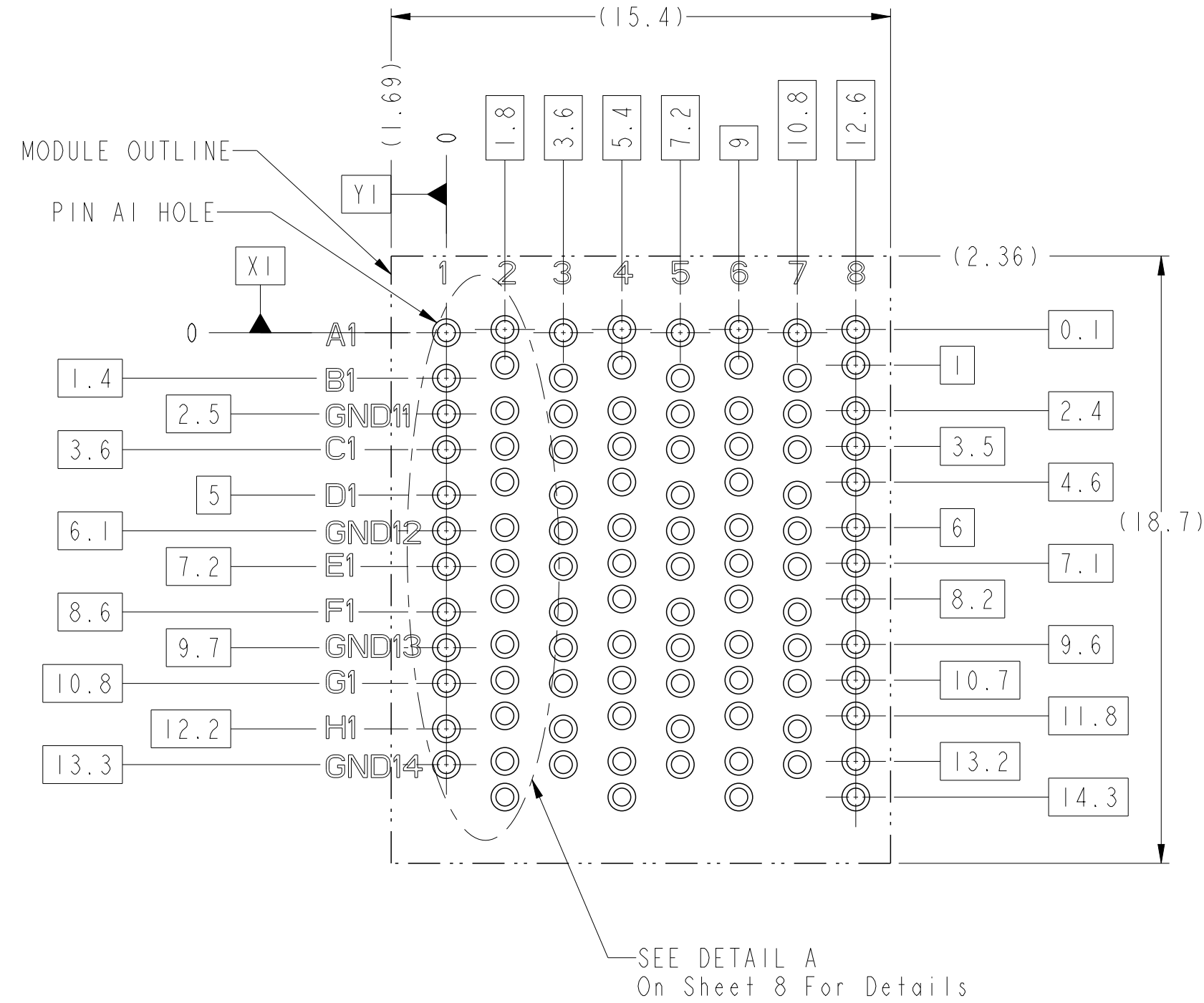
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tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2016/03/07	chr	-	ecn no	ELX-S-17624-1	rel level	Released
surface	ISO 1302	linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	angular	0° ±2°	Amphenol FCI	title	MODULE ASSEMBLY, XCEDE HD Veritcal Header, 4 Pair 8 Column	cat. no.	Product - Customer Drw
										sheet 2 of 8



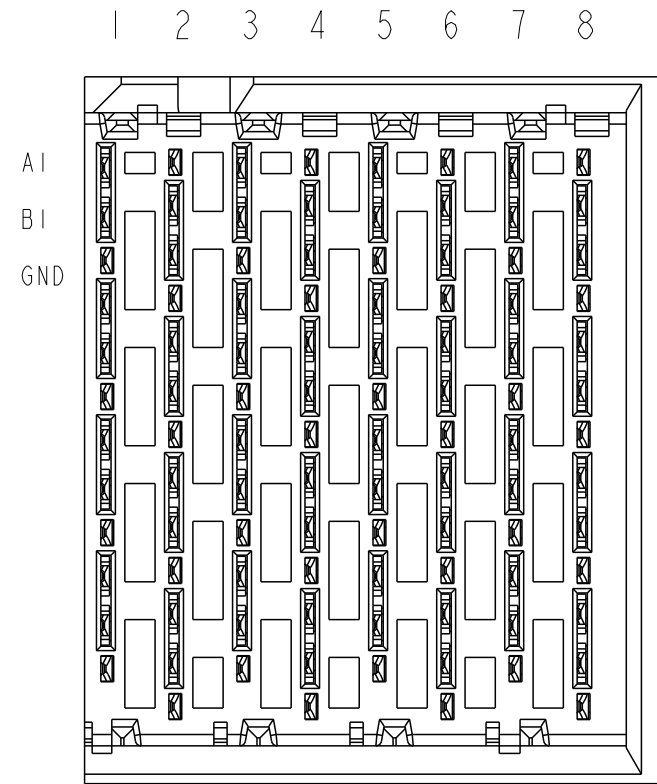
LEFT WALL MODULE



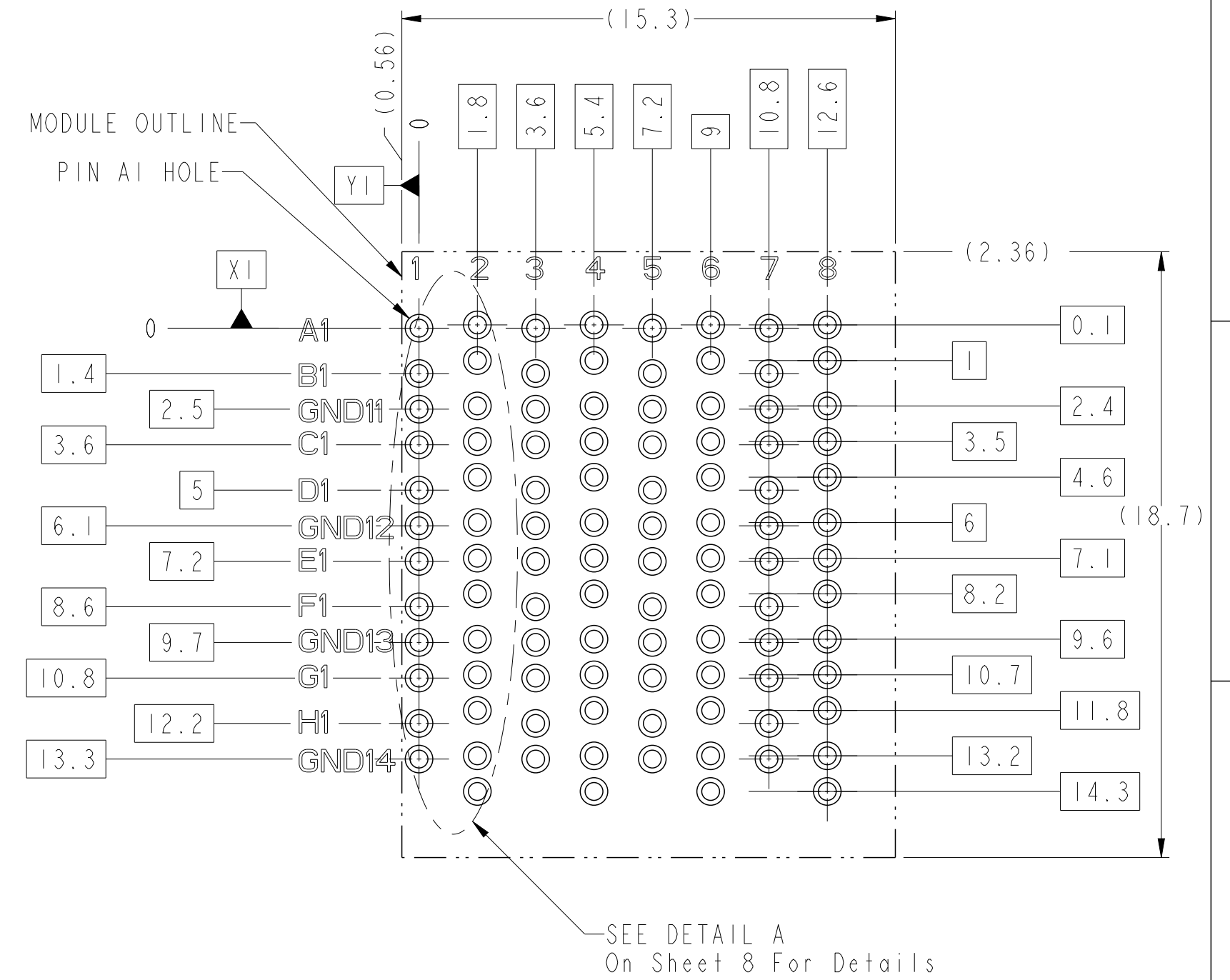
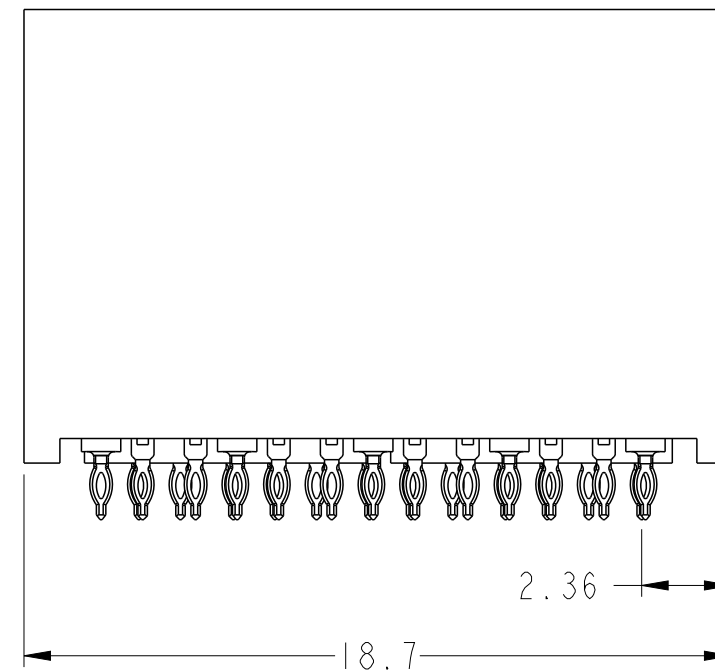
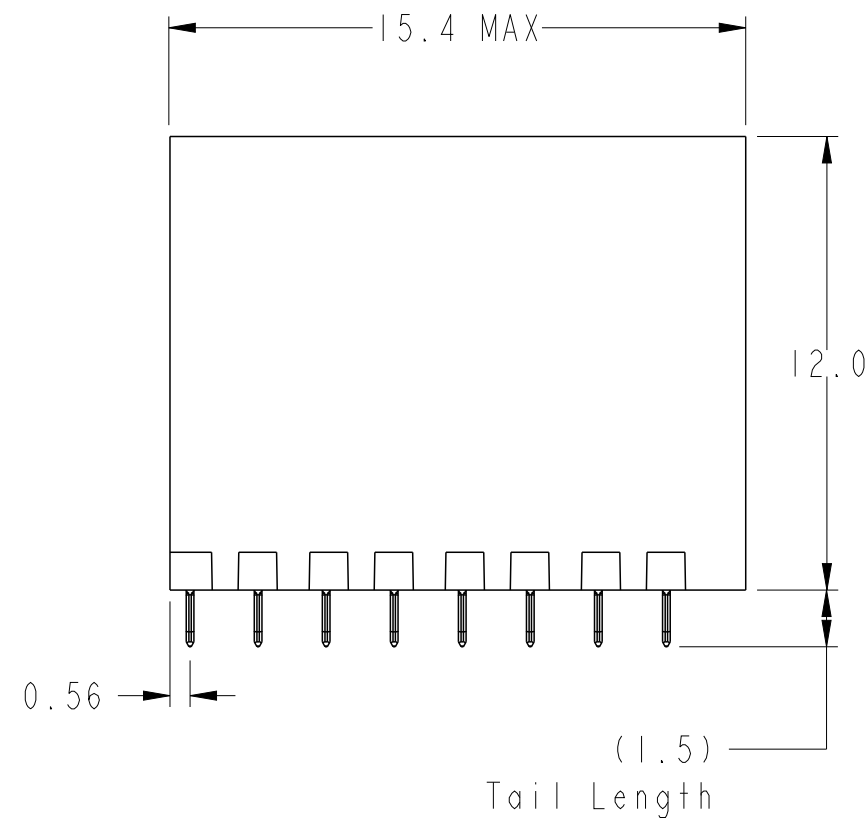
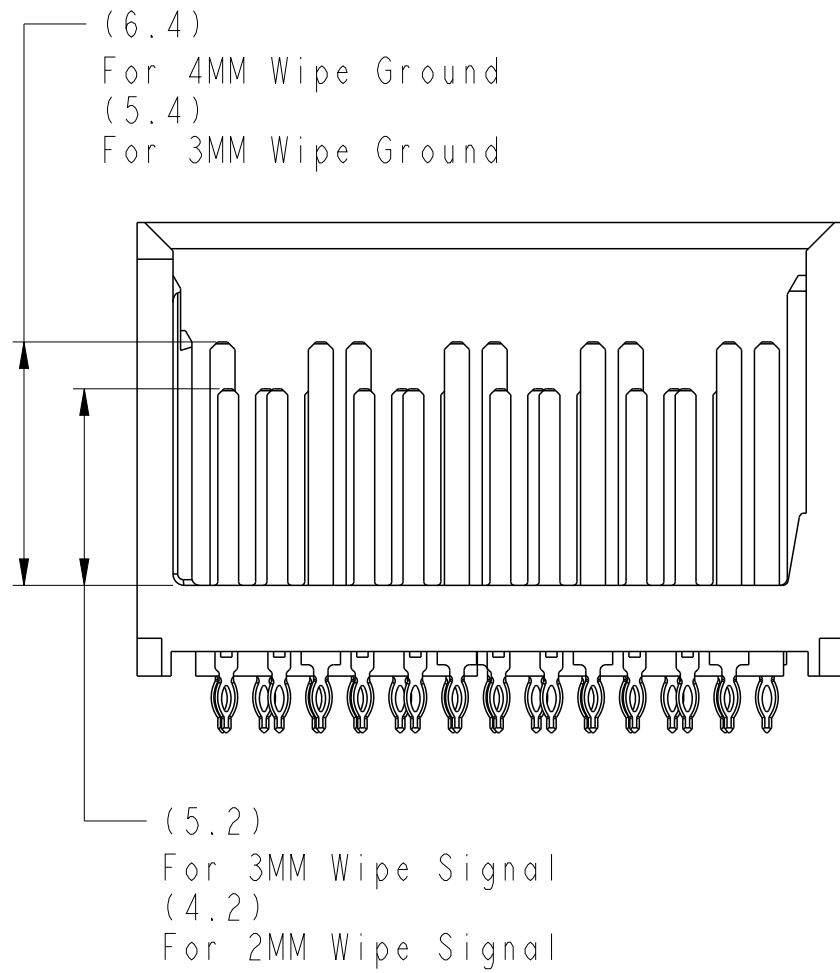
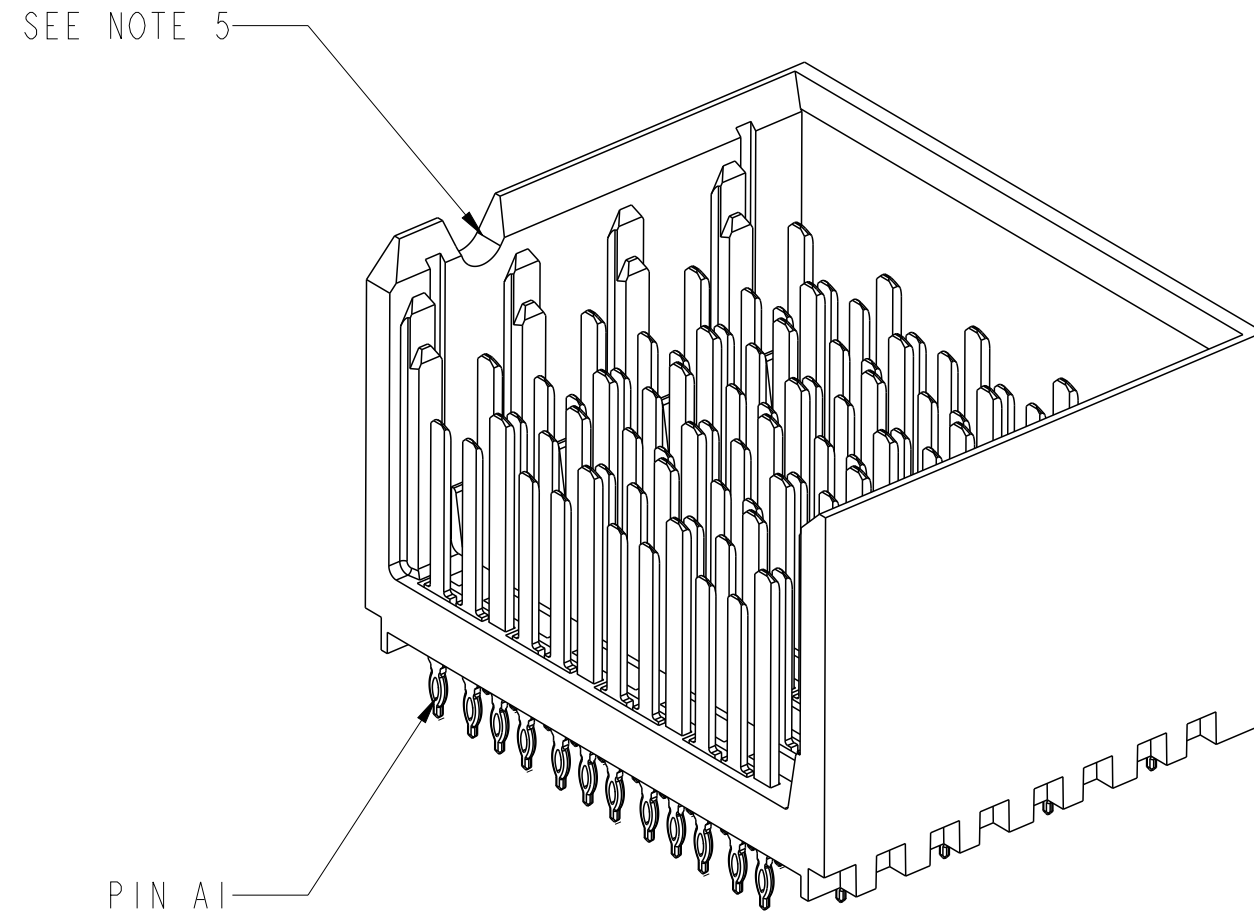
BP HOLE PATTERN COMPONENT SIDE
LEFT WALL MODULE BACKPLANE FOOTPRINT



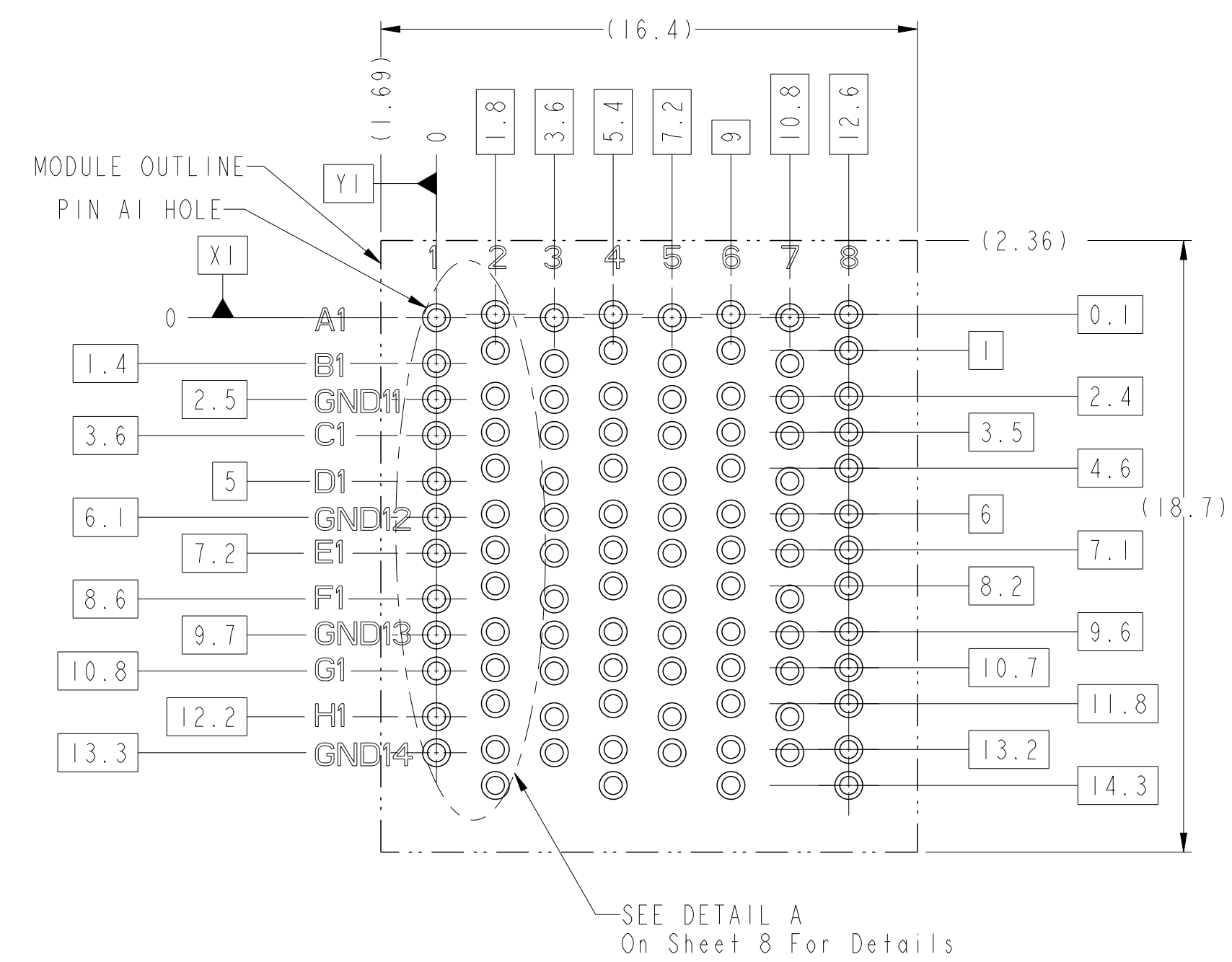
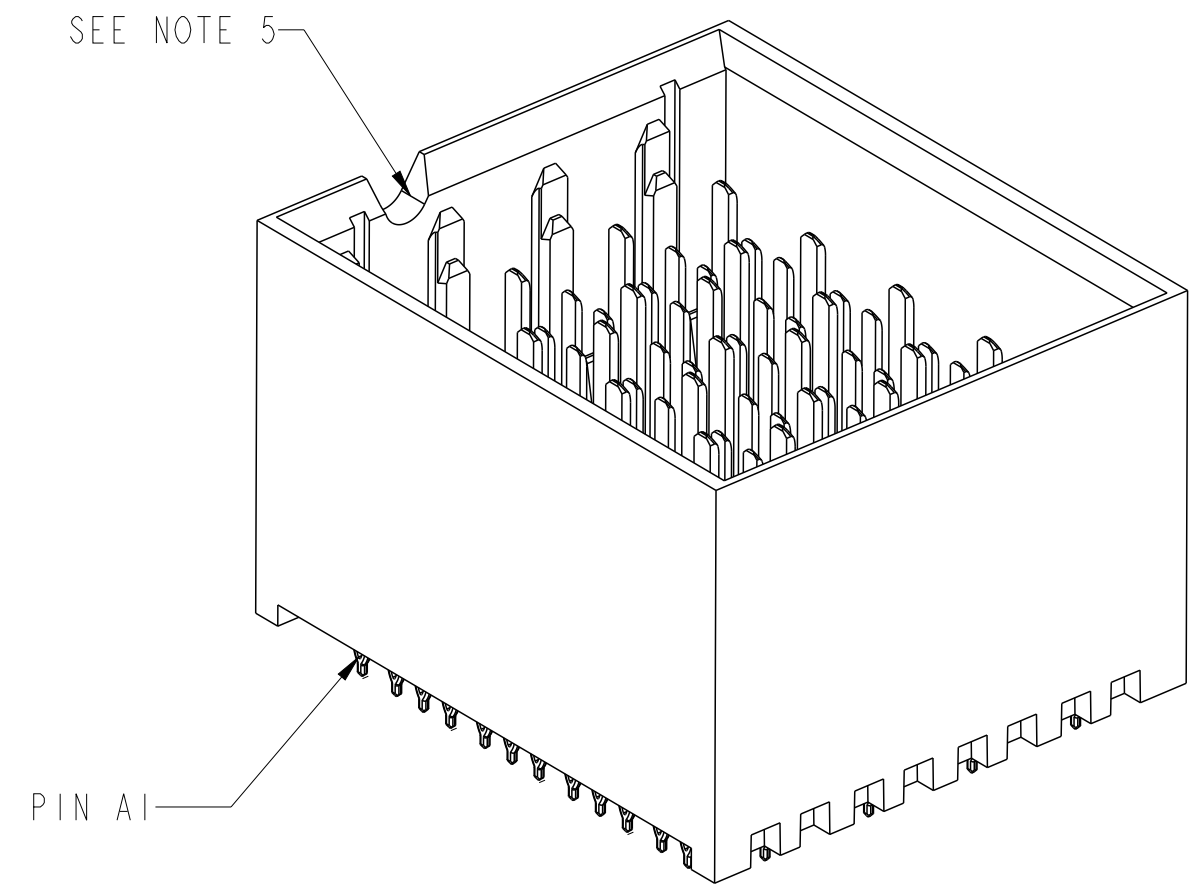
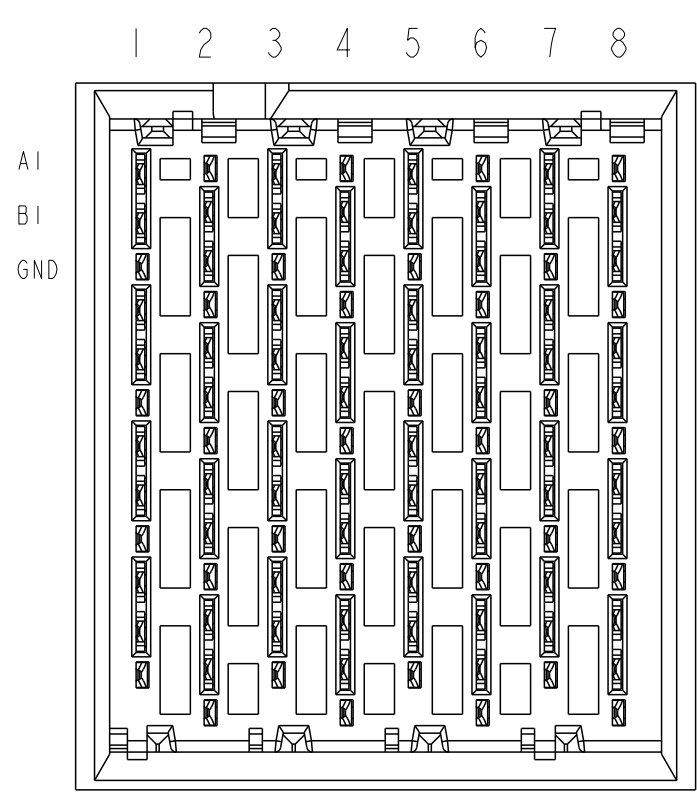
spec ref	-	dr	Collins Lu	2011/07/27	projection	mm	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2016/03/07	chr	-	ecn no	ELX-S-17624-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2016/03/17	product family	-	cat. no.	Product - Customer Drw	sheet 3 of 8	rev
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	angular	0° ±2°	Amphenol FCi www.fci.com	title	MODULE ASSEMBLY, XCEDE HD Veritcal Header, 4 Pair 8 Column	dwg no	10115091	rev	E



RIGHT WALL MODULE

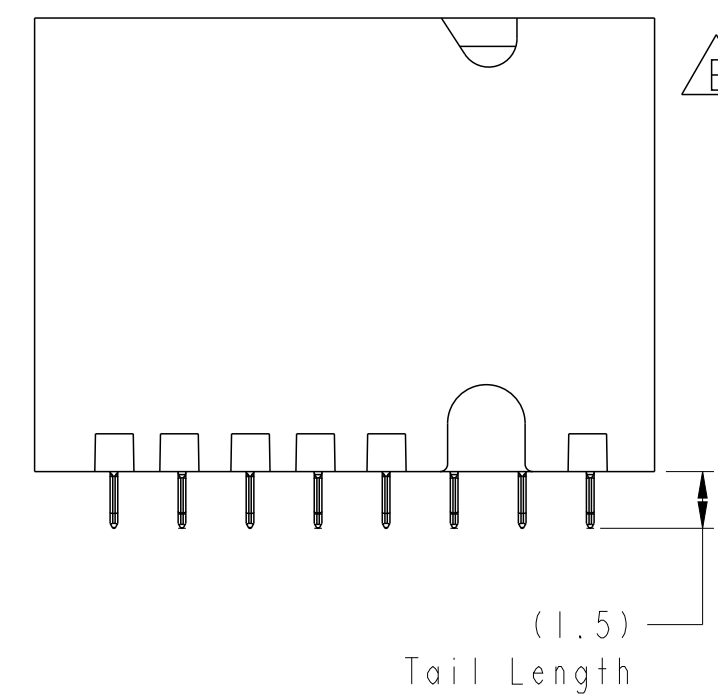
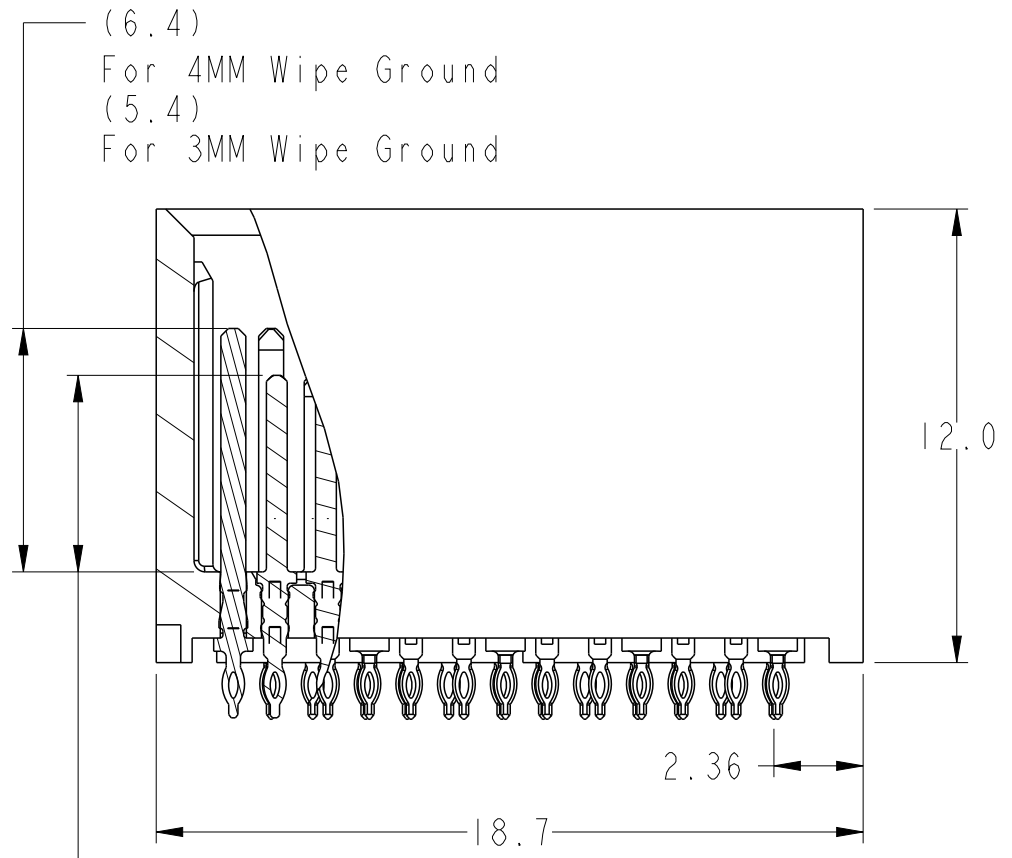
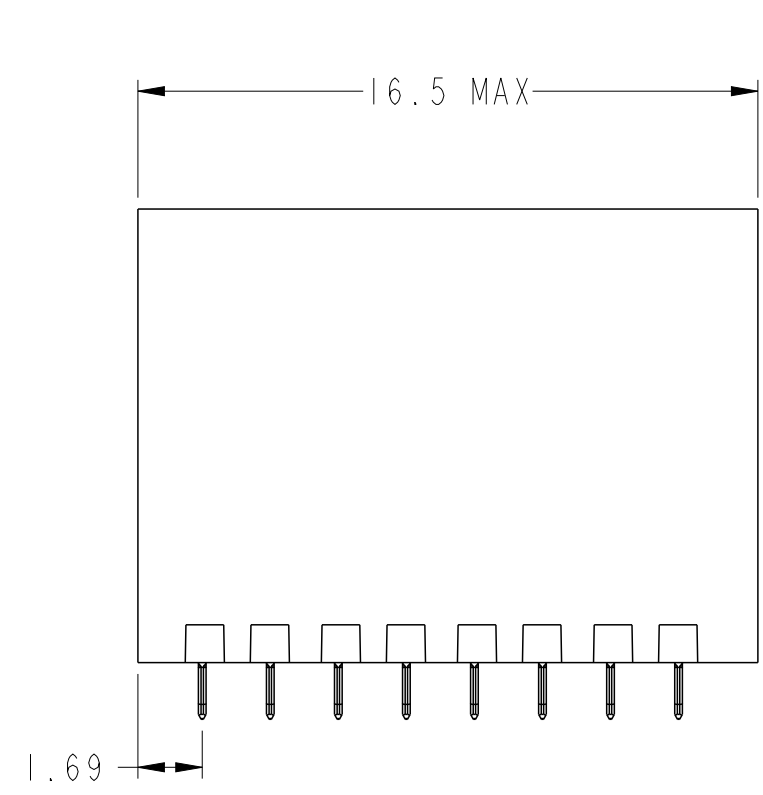


spec ref	-	dr	Collins Lu	2011/07/27	projection	mm	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2016/03/07	chr	-	ecn no	ELX-S-17624-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2016/03/17	product family	-	cat. no.	-	Product - Customer Drw	sheet 4 of 8
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	angular	0° ±2°	Amphenol FCi www.fci.com	title	MODULE ASSEMBLY, XCEDE HD Veritcal Header, 4 Pair 8 Column	dwg no	10115091	rev	E



△ FOUR WALL MODULE

SEE DETAIL A
On Sheet 8 For Details



BP HOLE PATTERN COMPONENT SIDE

△ FOUR WALL MODULE BACKPLANE FOOTPRINT

Amphenol
FCi

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spec ref	-	dr	Collins Lu	2011/07/27	projection	mm	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2016/03/07	chr	-	ecn no	ELX-S-17624-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2016/03/17	product family	-	cat. no.	10115091	rev	E
TOLERANCES UNLESS OTHERWISE SPECIFIED		linear		0.X	±0.3	angular		0°	±2°	
				0.XX	±0.10					
				0.XXX	±0.05					

PDS: Rev :E

STATUS:Released

Printed: Mar 17, 2016

LEFT POLARIZING/GUIDE MODULE

Optional Key See Sheet 1
Part Number Tree

SEE NOTE 5

SEE NOTE 11 & TABLE 1

PIN A1 HOLE

MODULE OUTLINE

Y1

A1

B1

GND11

C1

D1

GND12

E1

F1

GND13

G1

H1

GND14

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

AA

AB

AC

AD

AE

AF

AG

AH

AI

AJ

AK

AL

AM

AN

AO

AP

AQ

AR

AS

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AV

AW

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BY

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CA

CB

CC

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CE

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CG

CH

CI

CJ

CK

CL

CM

CN

CO

CP

CQ

CR

CS

CT

CU

CV

CW

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CY

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DA

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HA

HB

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HF

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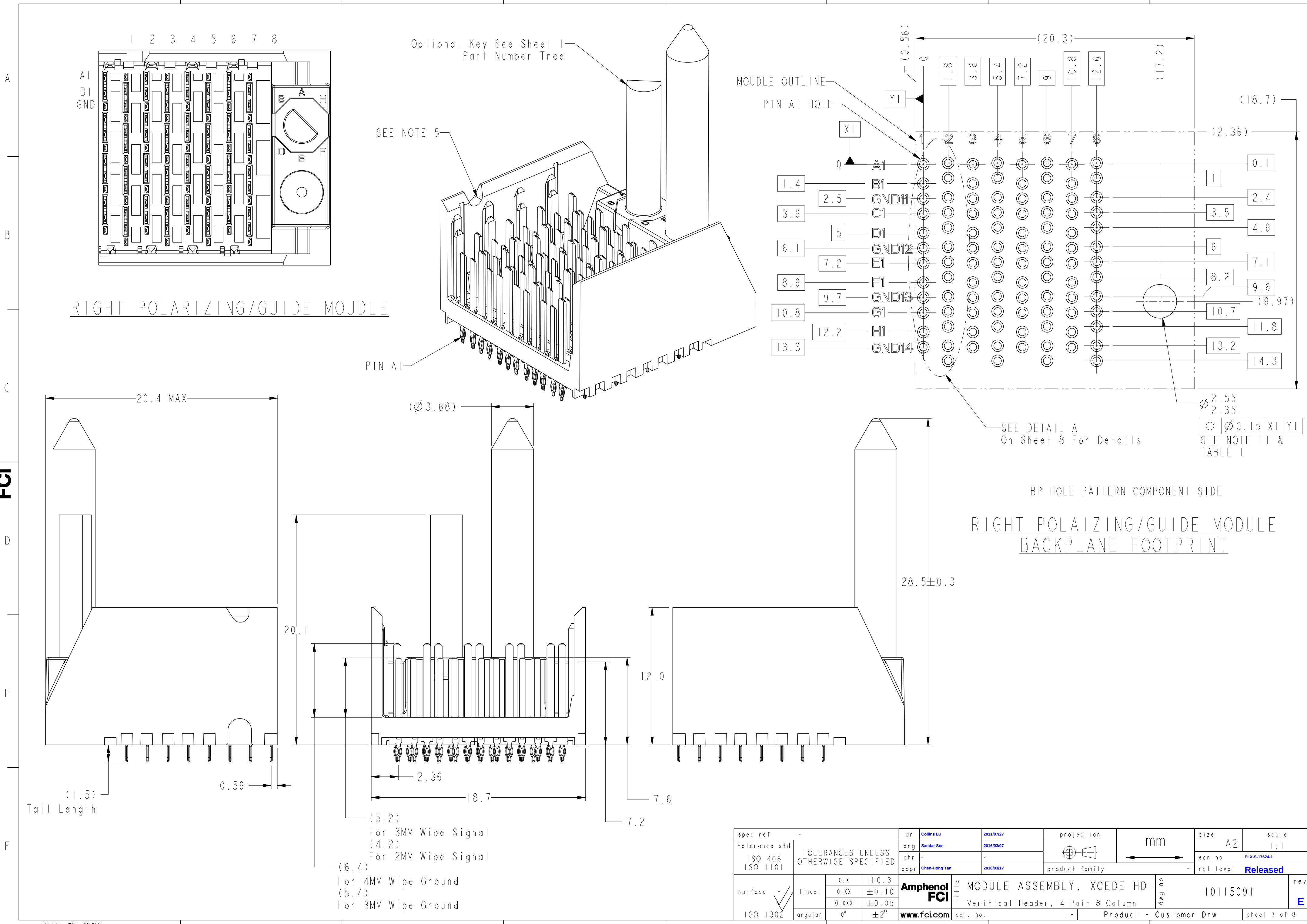
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KP

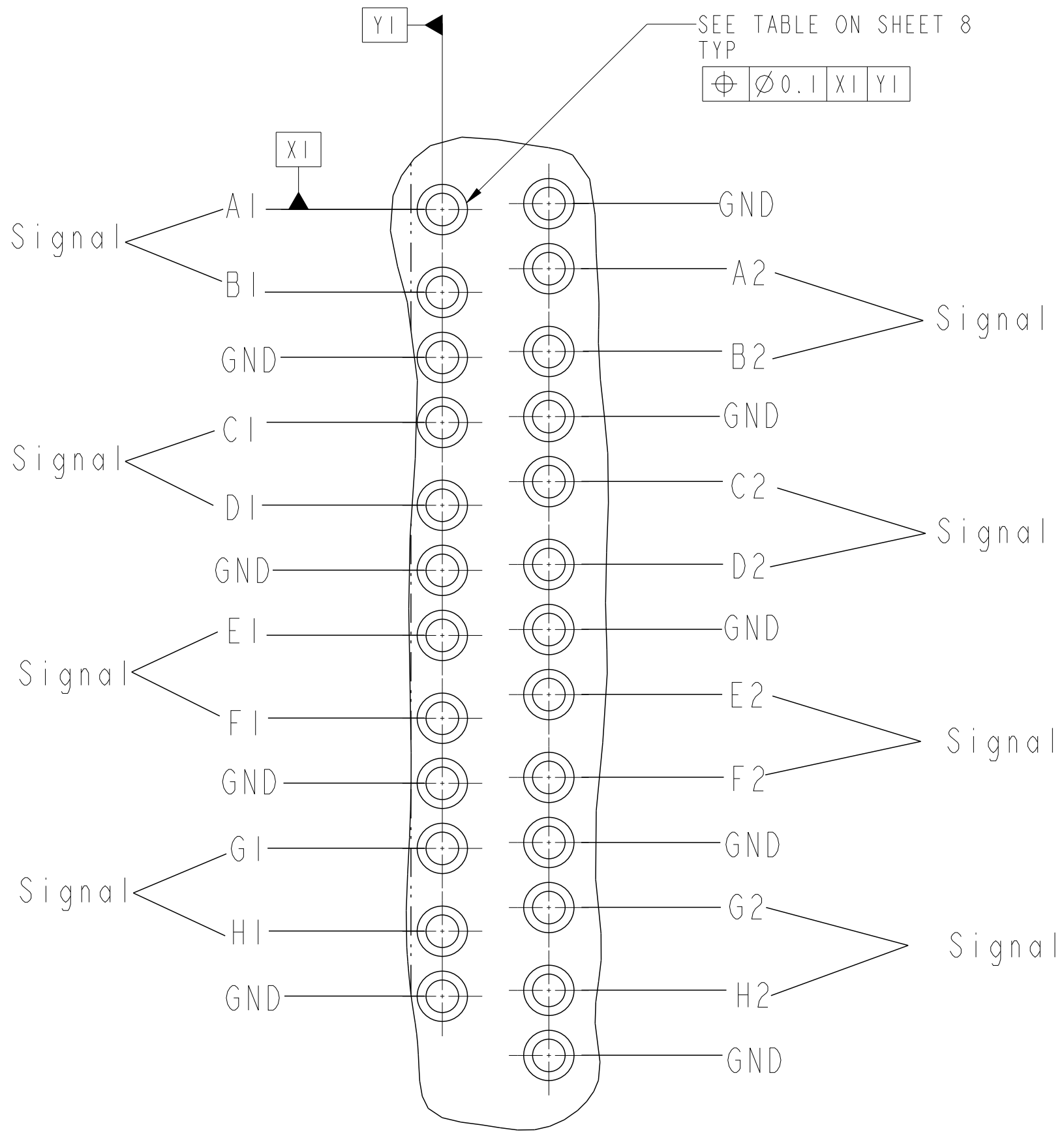
KQ

KR

KS



spec ref	-	dr	Collins Lu	2011/07/27	projection	mm	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2016/03/07	chr	-	ecn no	ELX-S-17624-1	rel level	Released
surface	ISO 1302	linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	angular	0° ±2°	Amphenol FCi	title	MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 8 Column	cat. no.	Product - Customer Drw
							dwg no	10115091	rev	E



DETAIL A
SCALE 12:1

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 (10115091-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 $\triangle$ 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 Collins Lu		2011/07/27		projection		mm		size A2		scale 1:1	
tolerance std				eng Sandar Soe		2016/03/07						ecn no ELX-S-17624-1		rel level Released	
ISO 406 ISO 1101				chr -		2016/03/17									
TOLERANCES UNLESS OTHERWISE SPECIFIED				appr Chen-Hong Tan		2016/03/17		product family							
				Amphenol FCI		title MODULE ASSEMBLY, XCEDE HD Veritcal Header, 4 Pair 8 Column		dwg no 10115091		rev E					
surface - 		linear		0.X ±0.3 0.XX ±0.10 0.XXX ±0.05		www.fci.com		cat. no. -		Product - Customer Drw				sheet 8 of 8	
ISO 1302		angular 0° ±2°													