

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)										

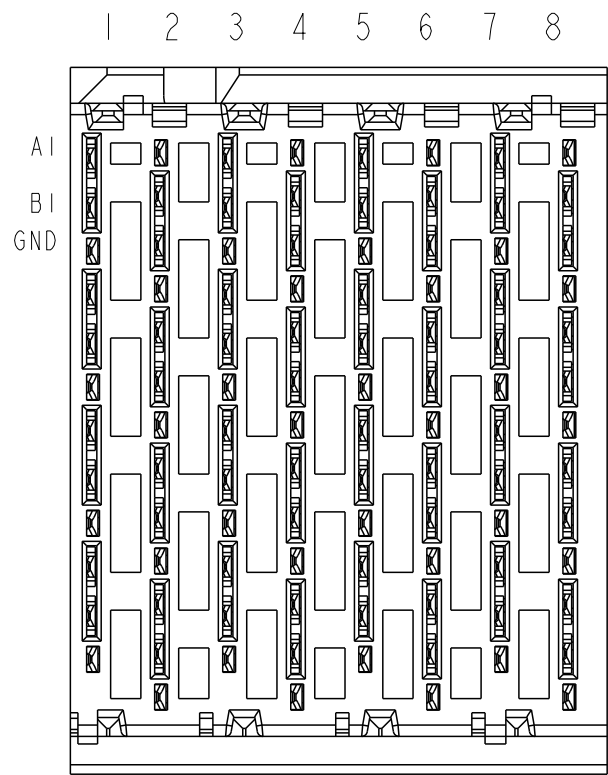
NUMBER	CONTACT MATING WIPE LENGTH		COMPLIANT TAIL TYPE (SEE NOTE 9)
	SIGNAL	GROUND	
1	2 MM	4 MM	0.55 (0.0217") DRILL
2	3 MM	4 MM	0.55 (0.0217") DRILL
3	2 MM	4 MM	0.45 MICRO (0.0177") DRILL
4	3 MM	4 MM	0.45 MICRO (0.0177") DRILL
5	2 MM	3 MM	0.55 (0.0217") DRILL
6	3 MM	3 MM	0.55 (0.0217") DRILL
7	2 MM	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° ±2°

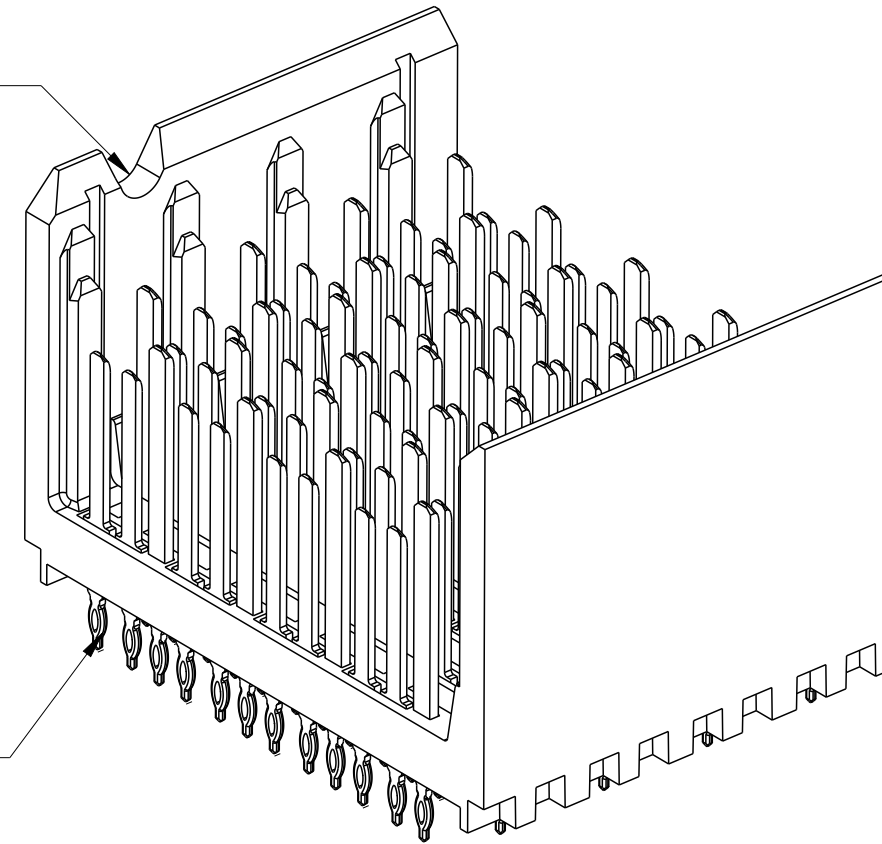
dr	Collins Lu	2011/07/27	projection 	mm 	size	A2	scale	1:1
eng	Sandar Soe	2016/03/07			ecn no	ELX-S-17624-1		
chr	-	-			rel level	Released		
appr	Chen-Hong Tan	2016/03/17	product family		-			
Amphenol FCI		title			MODULE ASSEMBLY, XCEDE HD			rev
		Veritcal Header, 4 Pair 8 Column			10115091			E
www.fci.com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



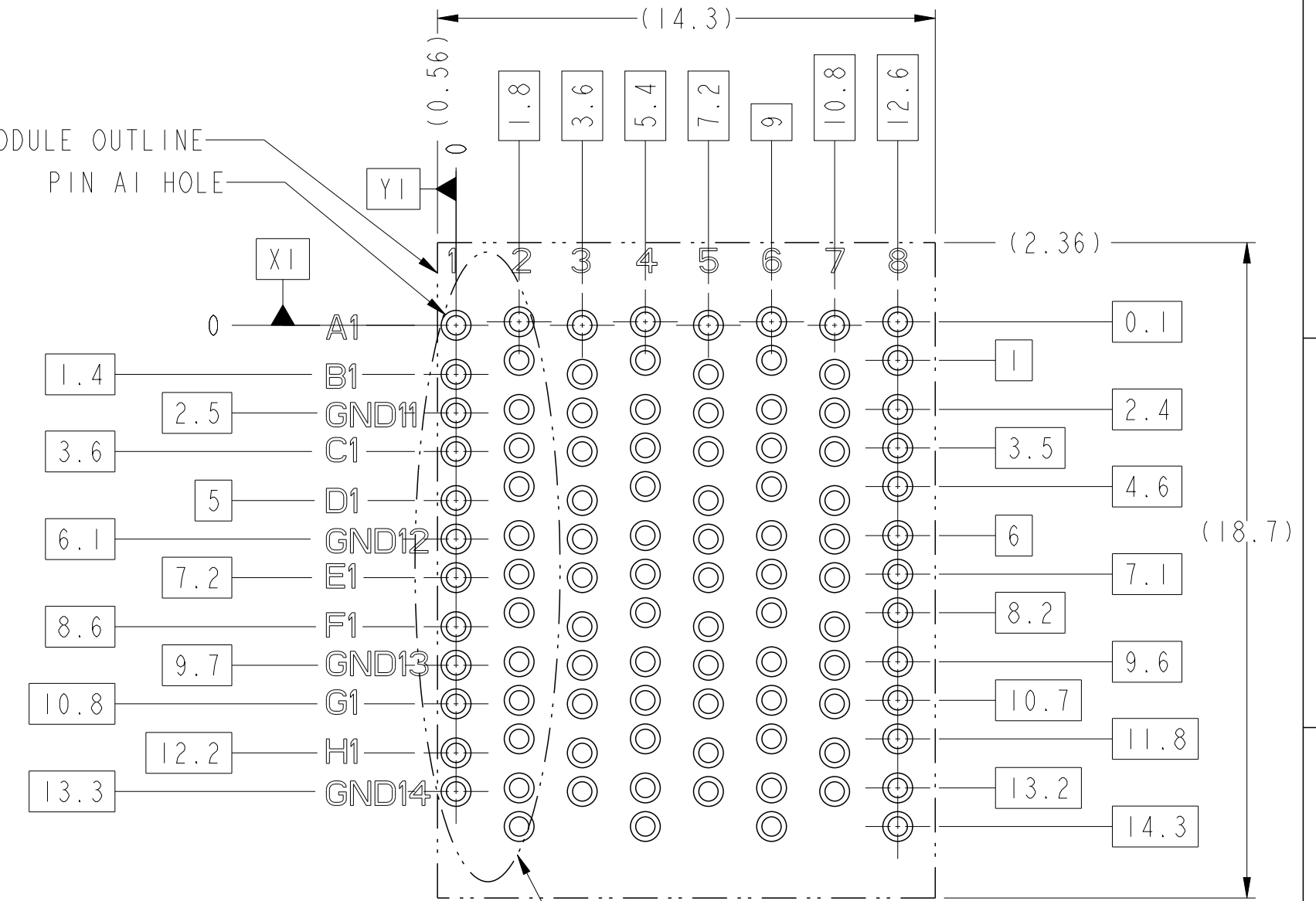
OPEN WALL MODULE

SEE NOTE 5

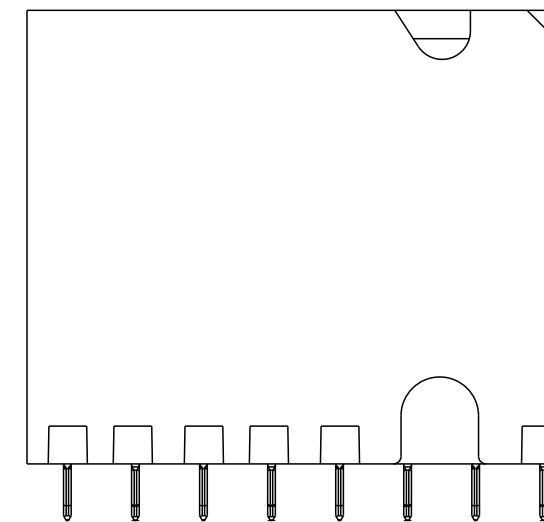
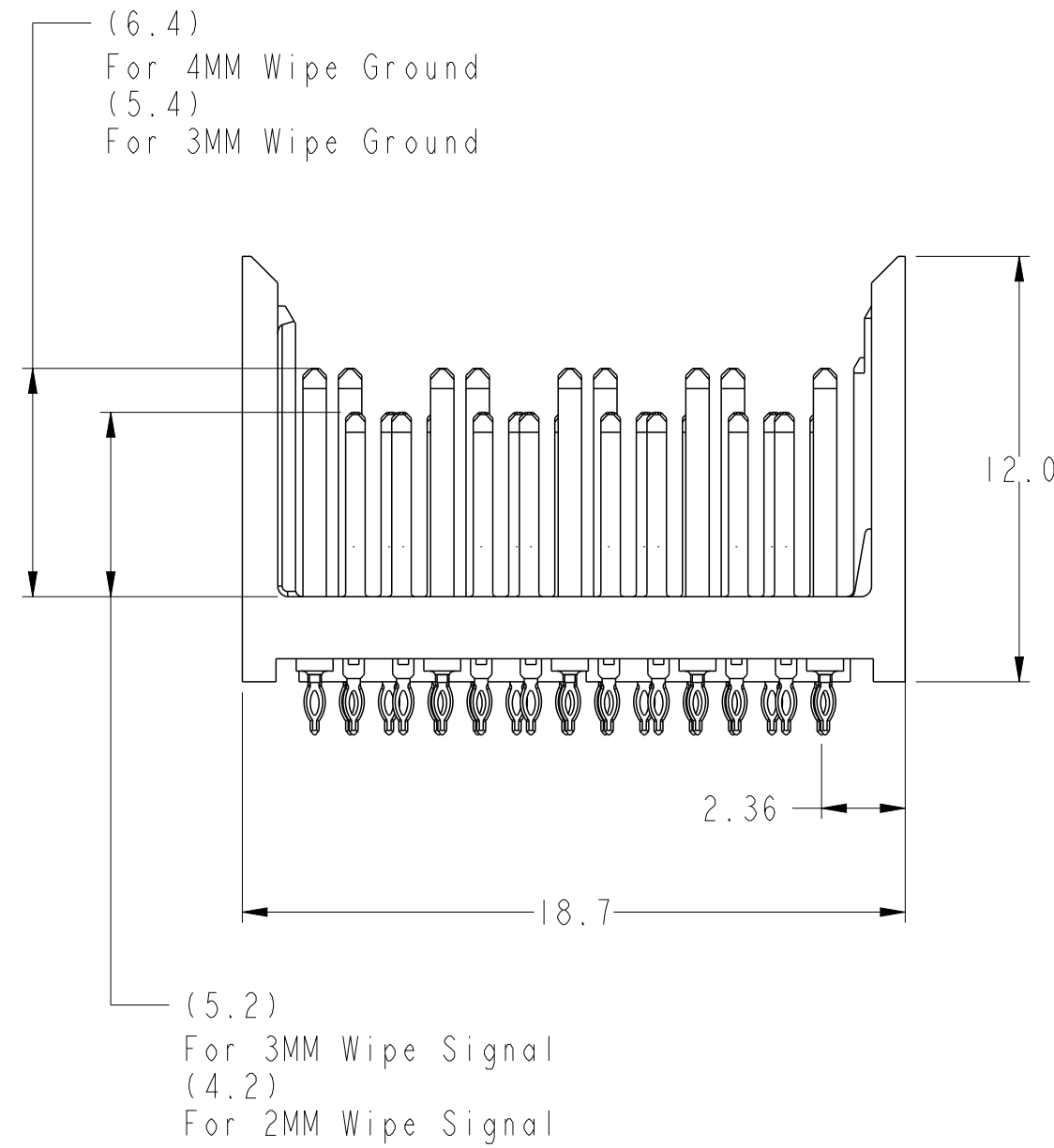
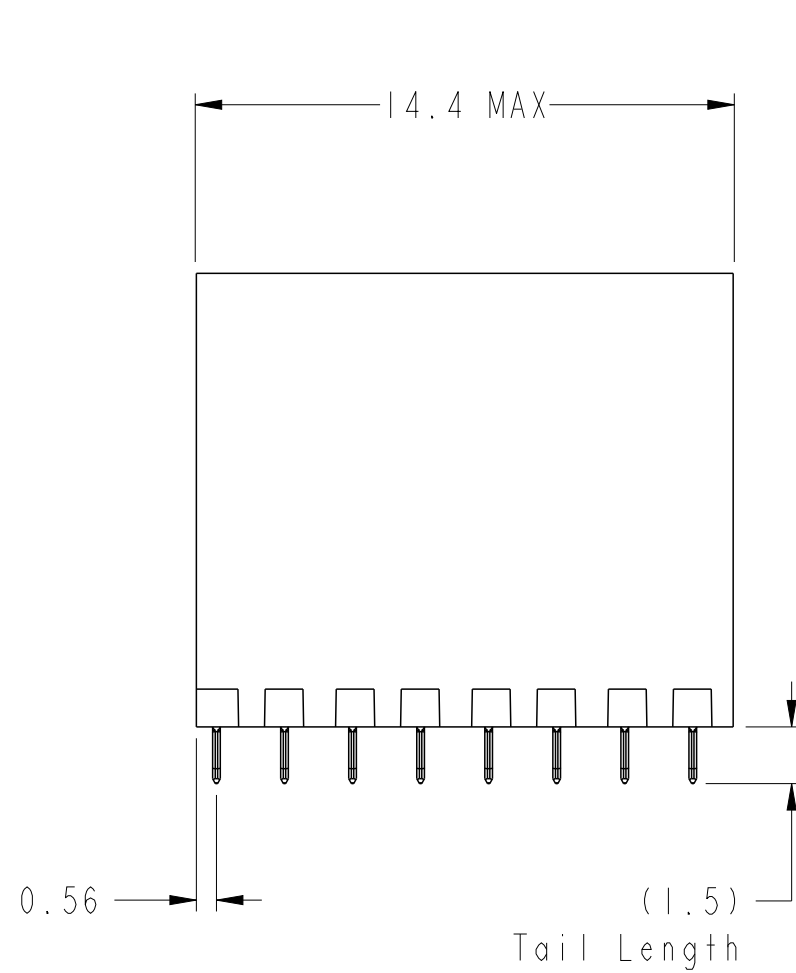
PIN A1



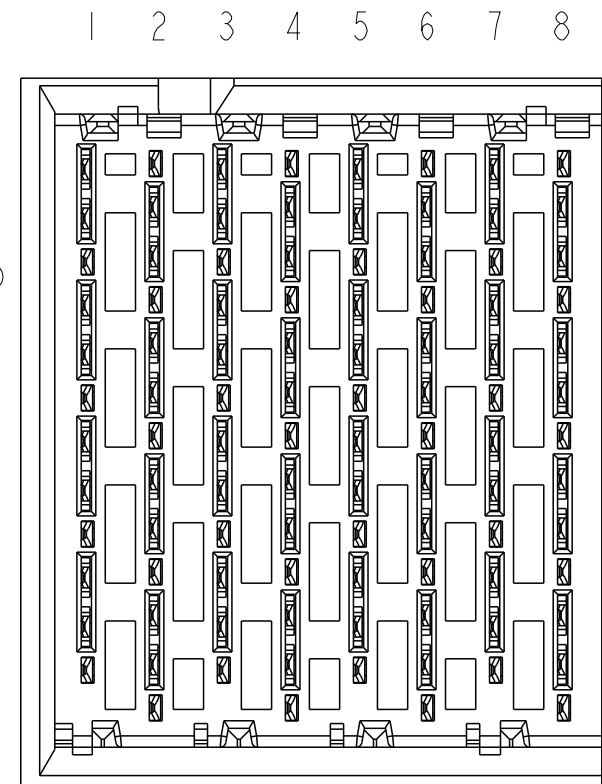
MODULE OUTLINE
PIN A1 HOLE



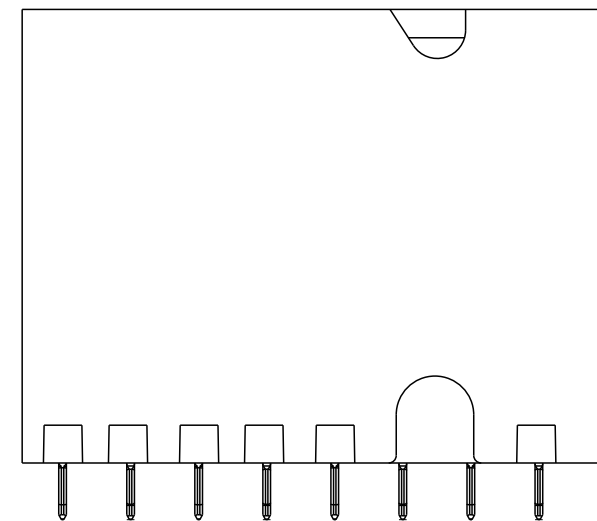
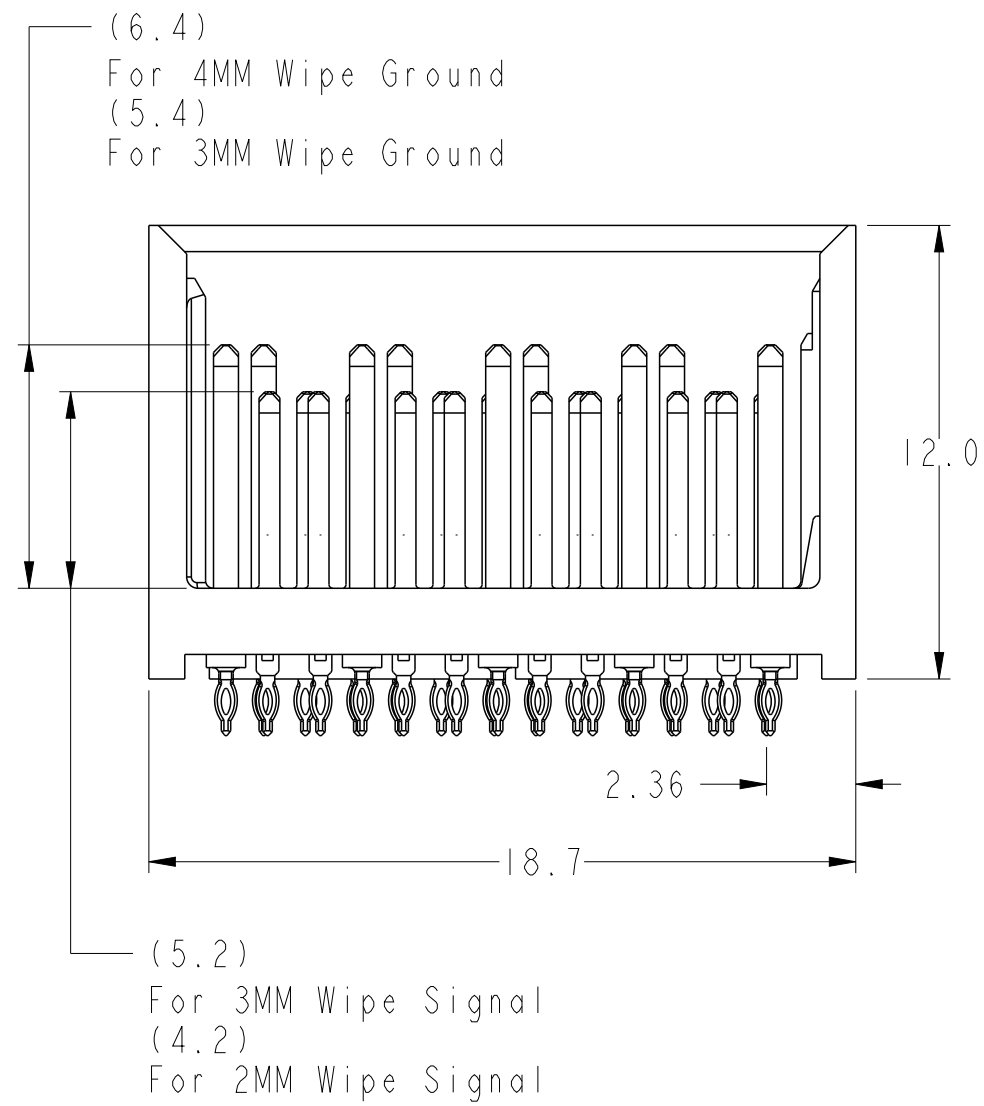
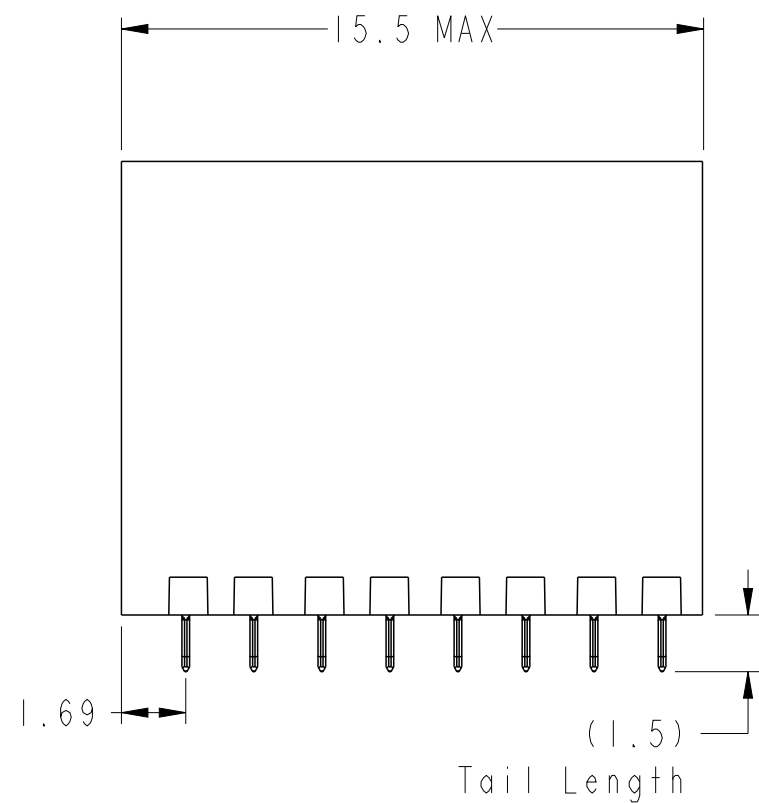
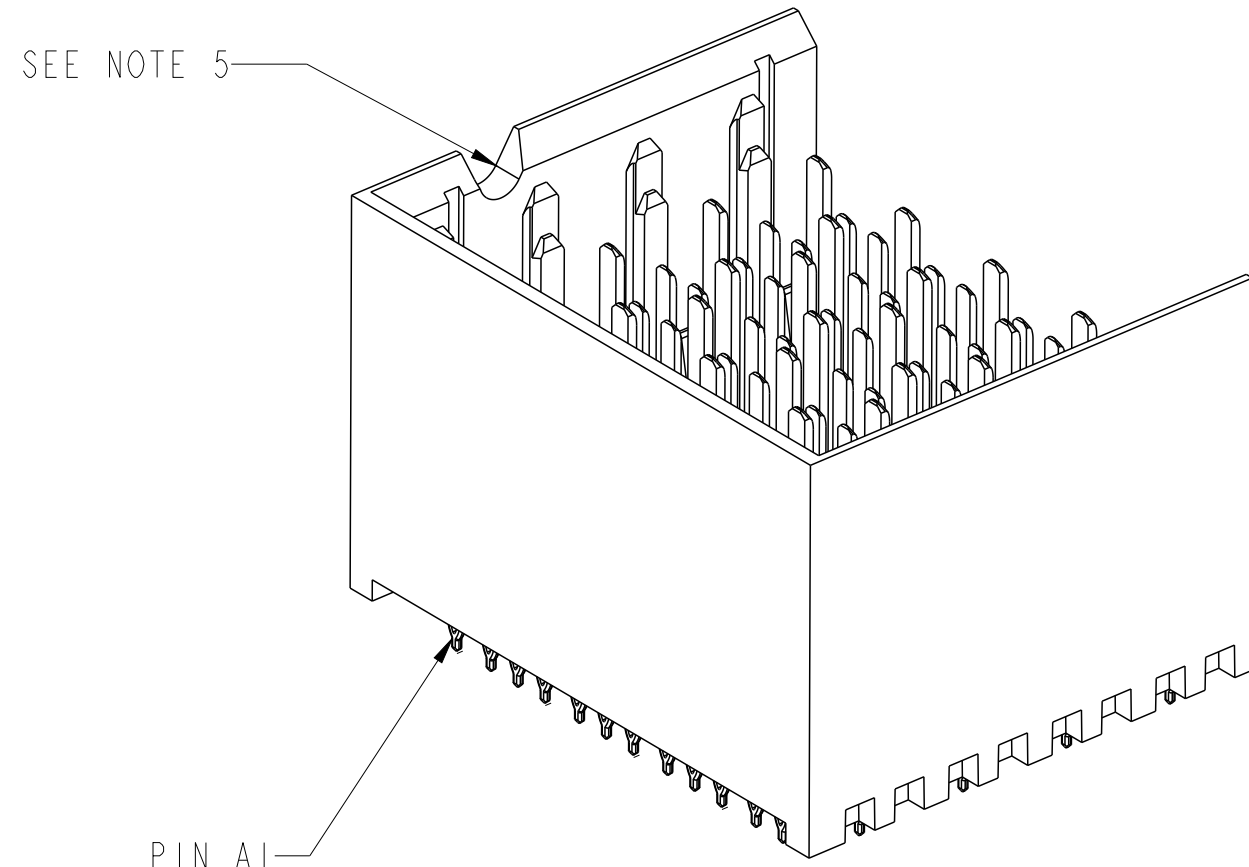
BP HOLE PATTERN COMPONENT SIDE
OPEN WALL MODULE BACKPLANE FOOTPRINT



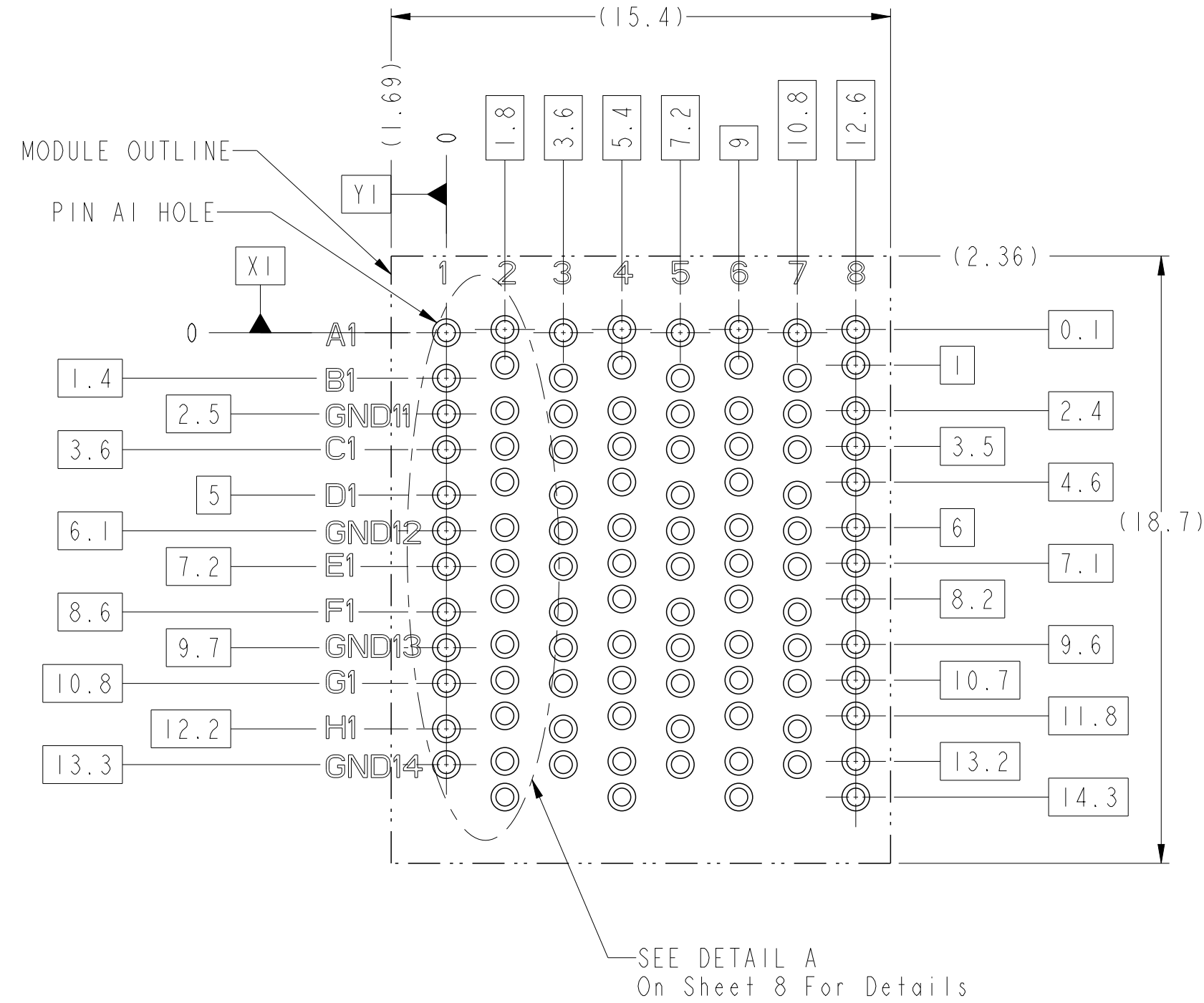
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tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2016/03/07	chr	-	ecn no	ELX-S-17624-1	rel level	Released
surface	ISO 1302	linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	angular	0° ±2°	Amphenol FCi www.fci.com	cat. no.	-	Product - Customer Drw	sheet 2 of 8
MODULE ASSEMBLY, XCEDE HD Veritcal Header, 4 Pair 8 Column										
10115091										
E										



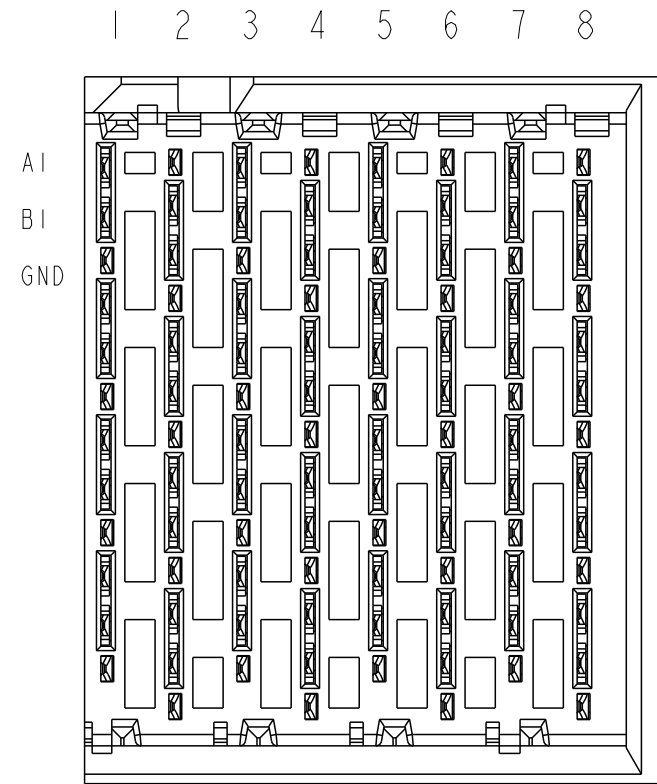
LEFT WALL MODULE



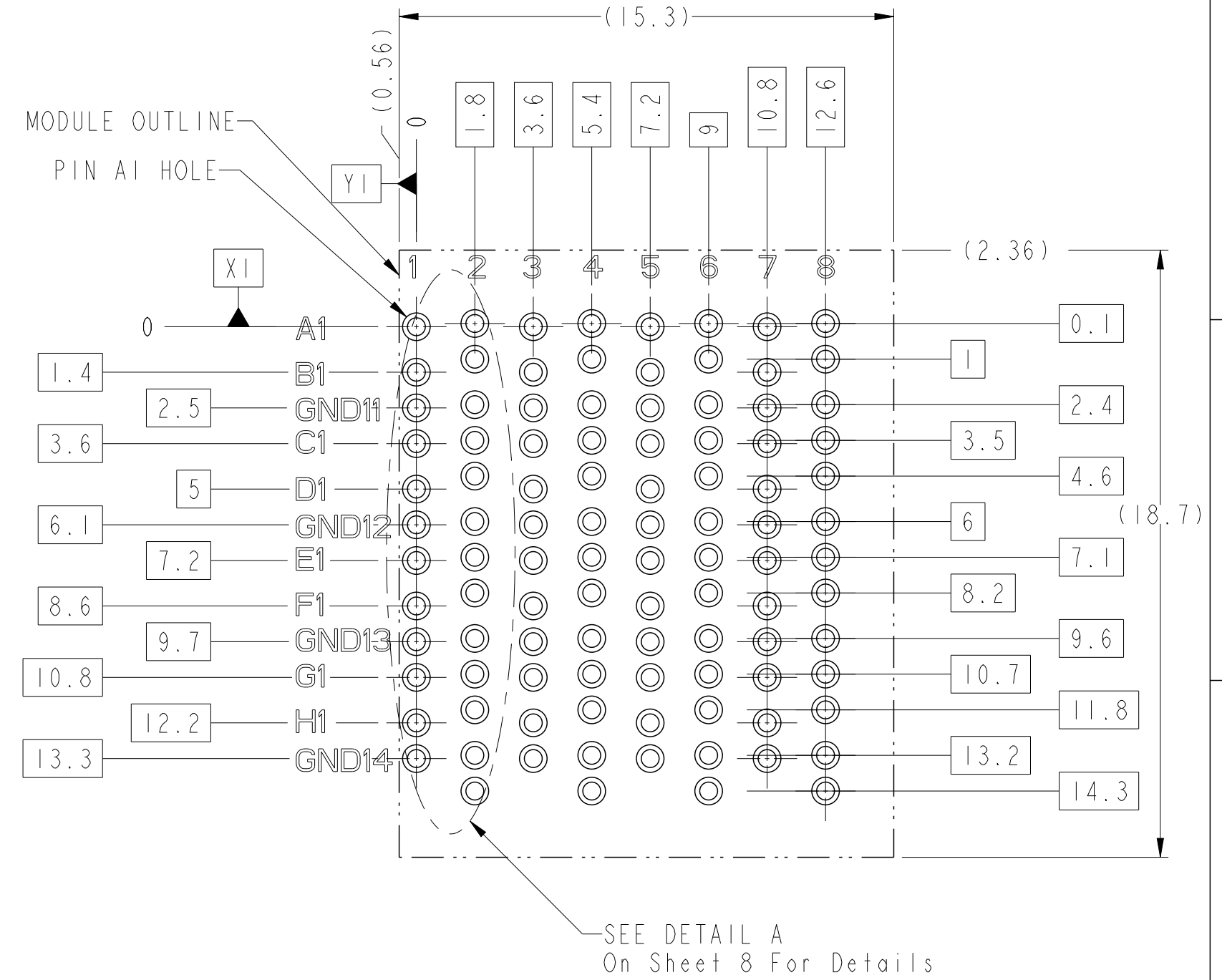
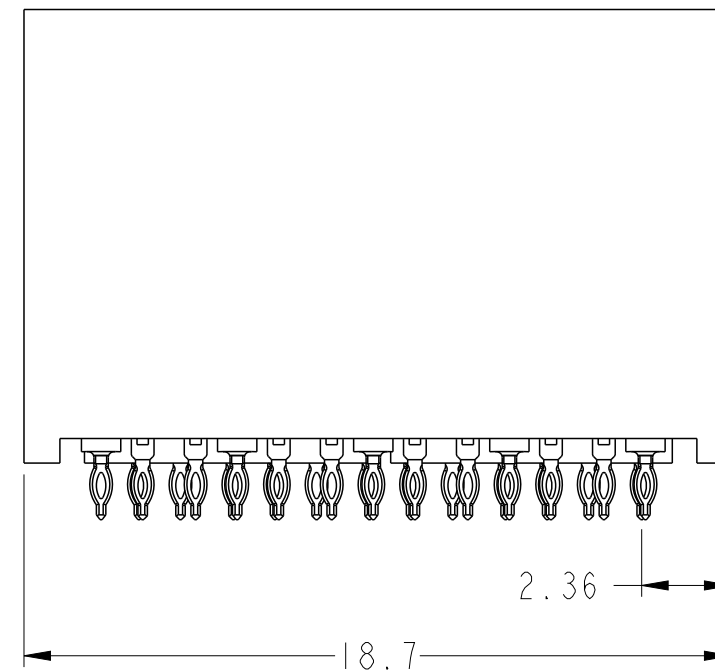
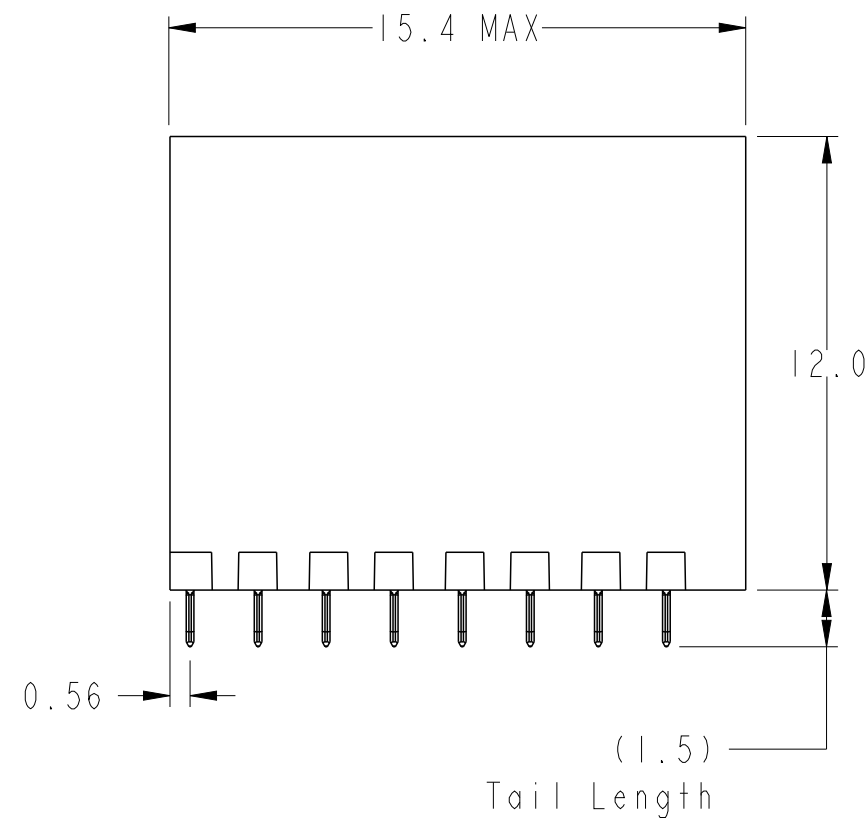
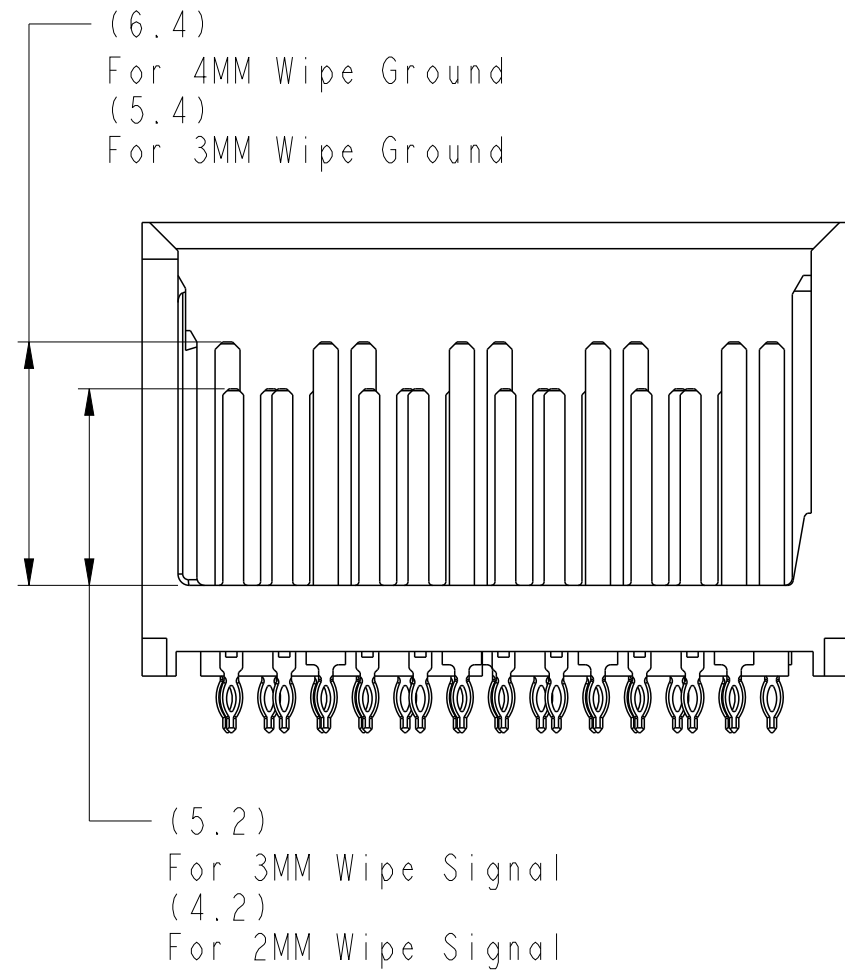
BP HOLE PATTERN COMPONENT SIDE
LEFT WALL MODULE BACKPLANE FOOTPRINT



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	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	cat. no.	Product - Customer Drw
							dwg no	10115091	rev	E
									sheet 3 of 8	

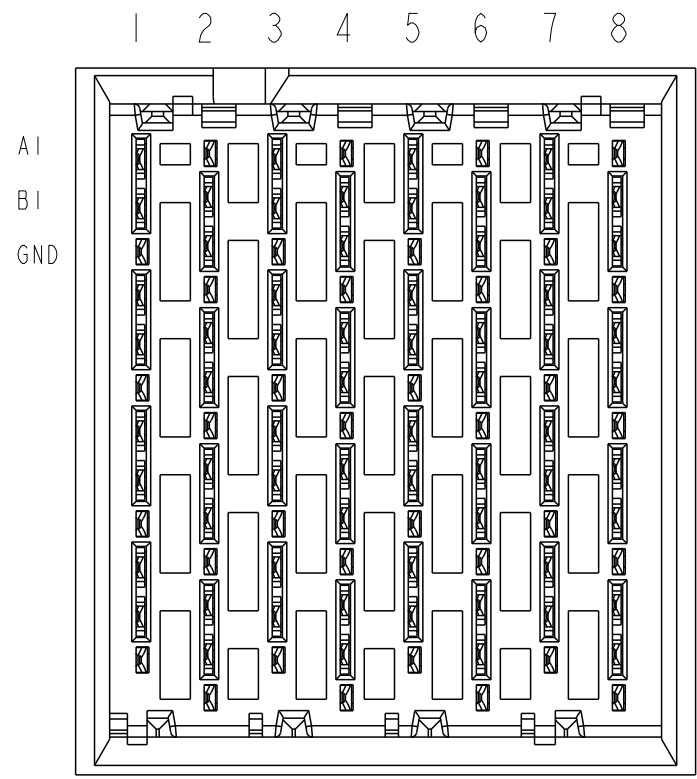


RIGHT WALL MODULE

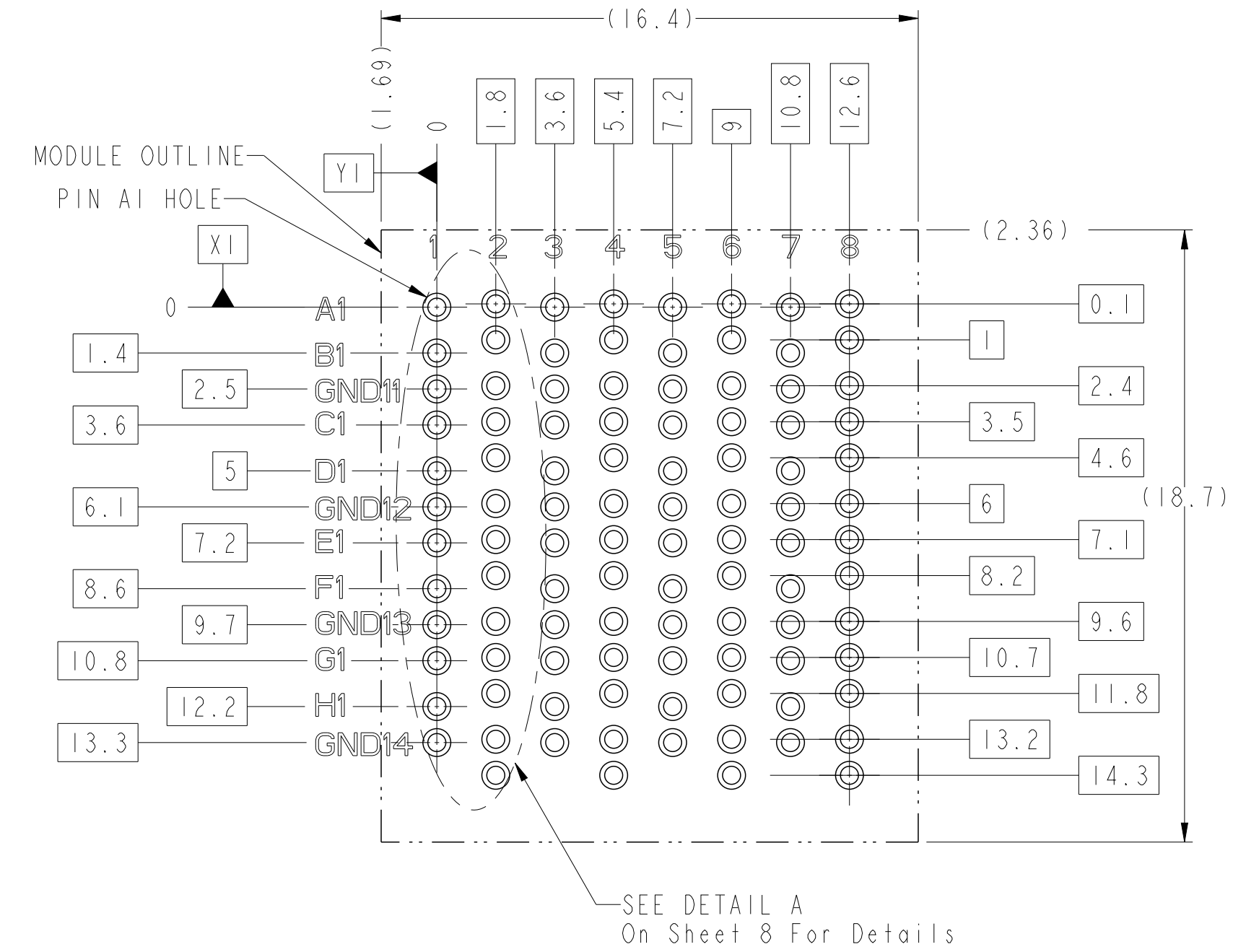
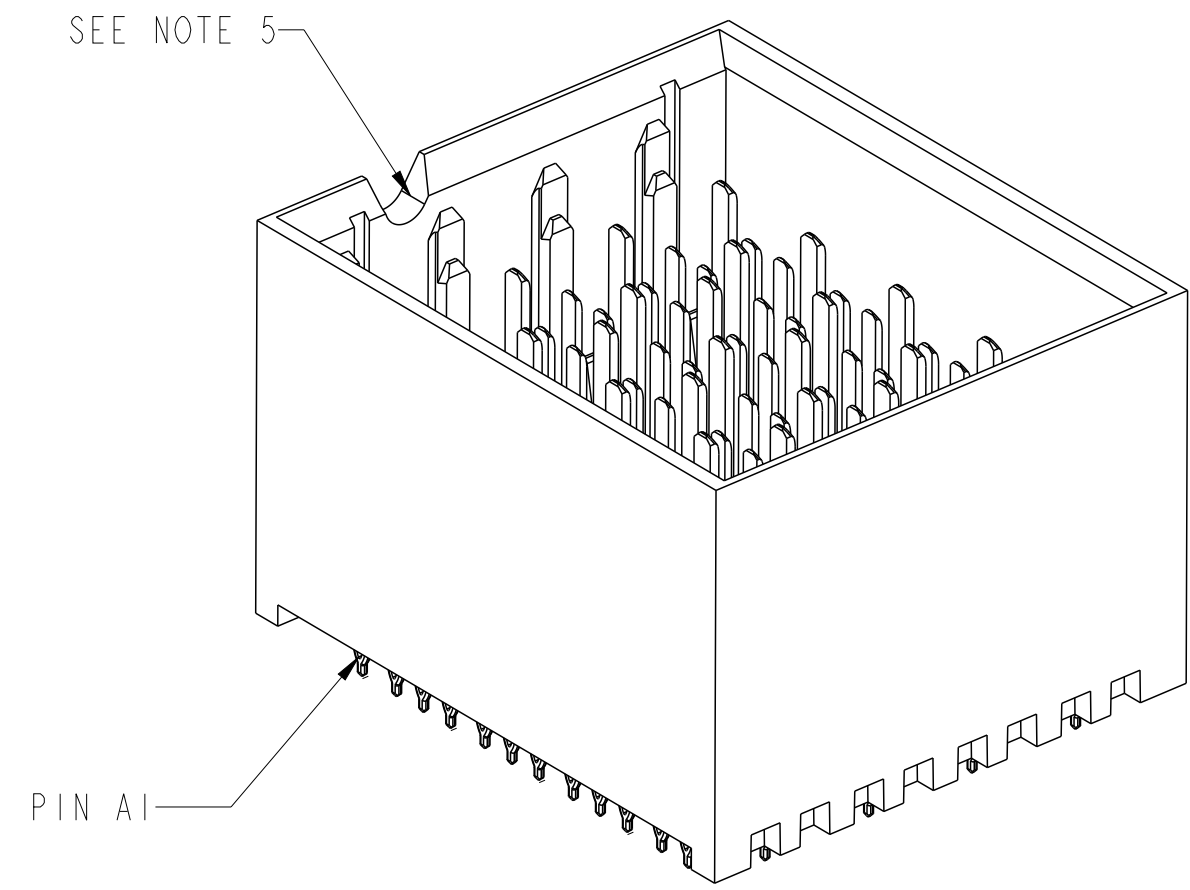


BP HOLE PATTERN COMPONENT SIDE
RIGHT WALL MODULE BACKPLANE FOOTPRINT

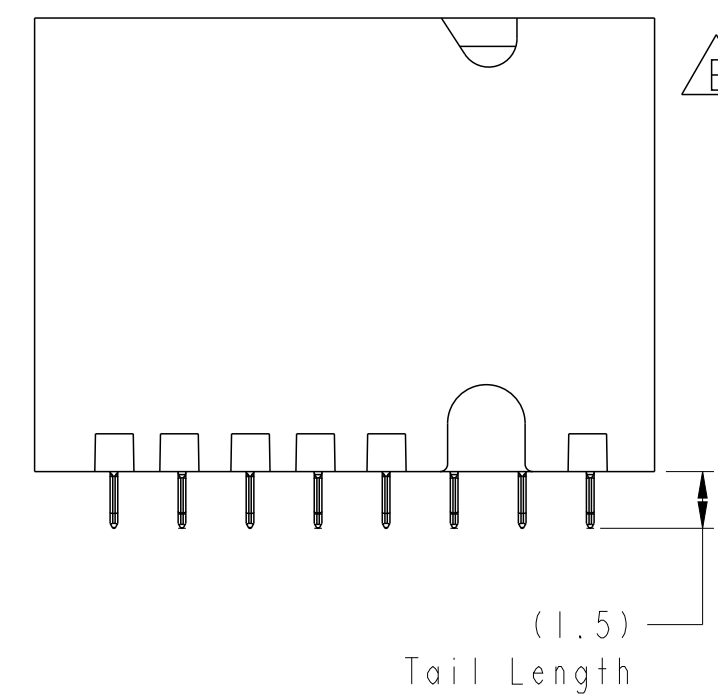
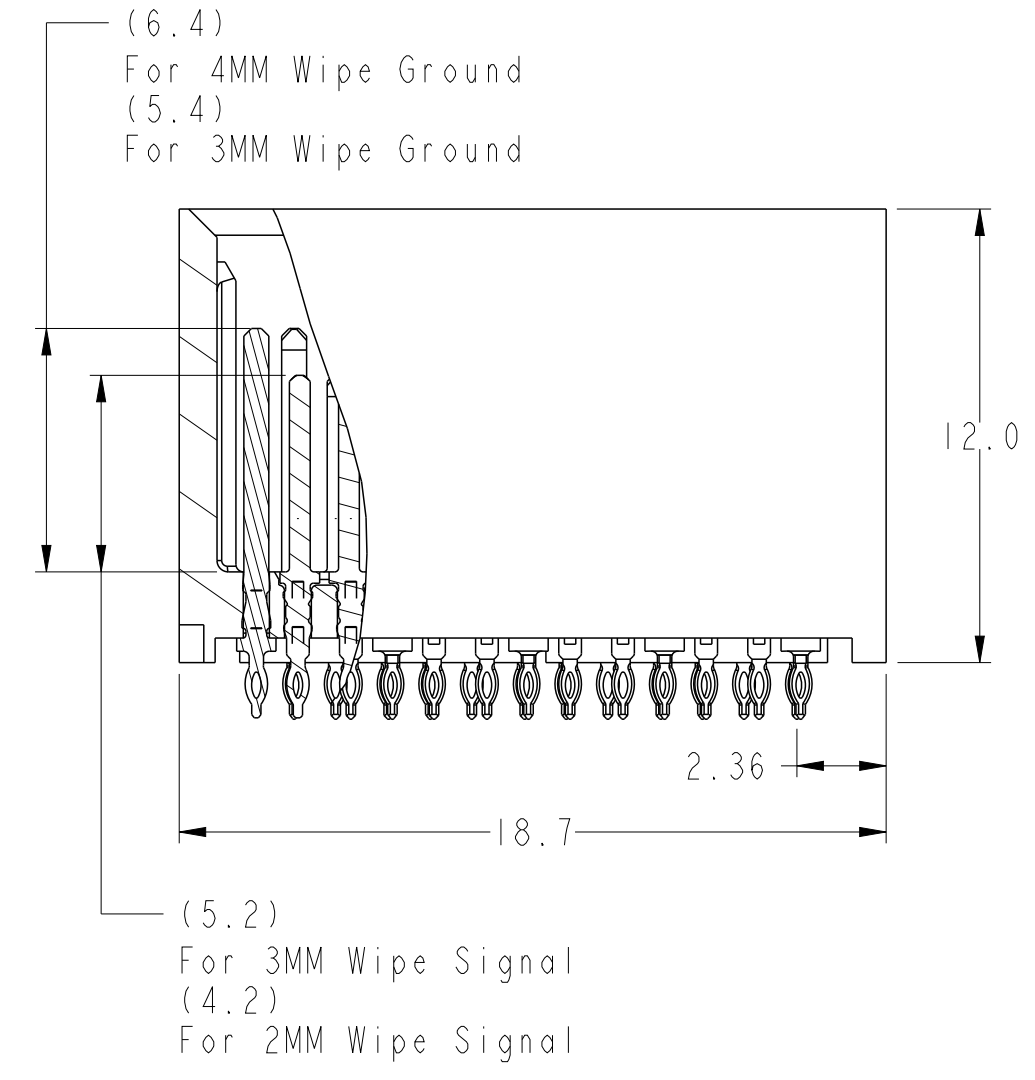
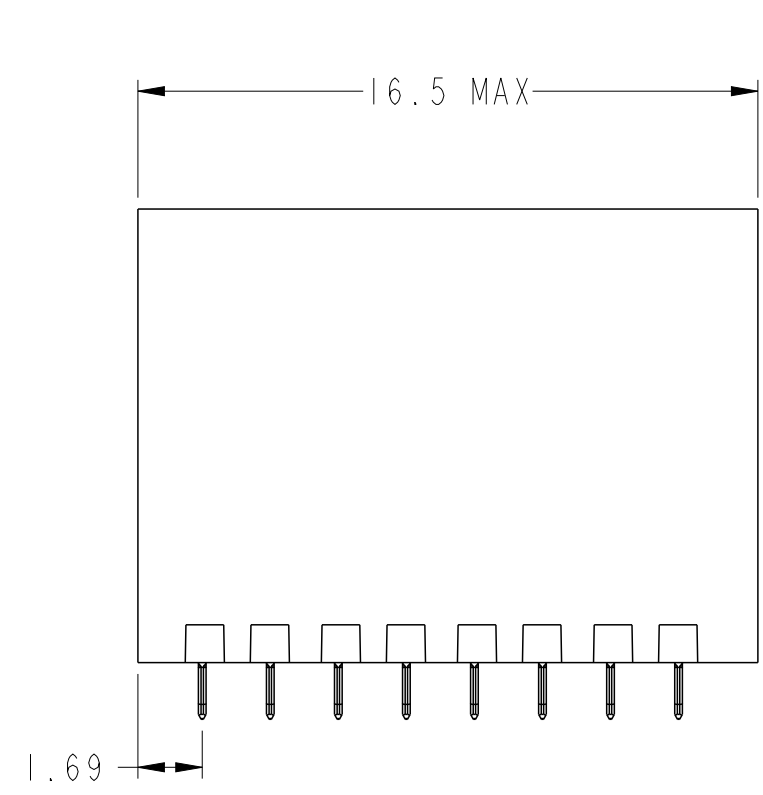
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tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2016/03/07	chr	-	ecn no	ELX-S-17624-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2016/03/17	product family	-	cat. no.	-	Product - Customer Drw	sheet 4 of 8
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	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



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					

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

I1

J1

K1

L1

M1

N1

O1

P1

Q1

R1

S1

T1

U1

V1

W1

X1

Y1

Z1

AA1

AB1

AC1

AD1

AE1

AF1

AG1

AH1

AI1

AJ1

AK1

AL1

AM1

AN1

AO1

AP1

AQ1

AR1

AS1

AT1

AU1

AV1

AW1

AX1

AY1

AZ1

BA1

BB1

BC1

BD1

BE1

BF1

BG1

BH1

BI1

BJ1

BK1

BL1

BM1

BN1

BO1

BP1

BQ1

BR1

BS1

BT1

BU1

BV1

BW1

BX1

BY1

BZ1

CA1

CB1

CC1

CD1

CE1

CF1

CG1

CH1

CI1

CJ1

CK1

CL1

CM1

CN1

CO1

CP1

CQ1

CR1

CS1

CT1

CU1

CV1

CW1

CX1

CY1

CZ1

DA1

DB1

DC1

DD1

DE1

DF1

DG1

DH1

DI1

DJ1

DK1

DL1

DM1

DN1

DO1

DP1

DQ1

DR1

DS1

DT1

DU1

DV1

DW1

DX1

DY1

DZ1

EA1

EB1

EC1

ED1

EE1

EF1

EG1

EH1

EI1

EJ1

EK1

EL1

EN1

EO1

EP1

EQ1

ER1

ES1

ET1

EU1

EV1

EW1

EX1

EY1

EZ1

FA1

FB1

FC1

FD1

FE1

FF1

FG1

FH1

FI1

FJ1

FK1

FL1

FM1

FN1

FO1

FP1

FQ1

FR1

FS1

FT1

FU1

FV1

FW1

FX1

FY1

FZ1

GA1

GB1

GC1

GD1

GE1

GF1

GH1

GI1

GJ1

GK1

GL1

GM1

GN1

GO1

GP1

GQ1

GR1

GS1

GT1

GU1

GV1

GW1

GX1

GY1

GZ1

HA1

HB1

HC1

HD1

HE1

HF1

HG1

HI1

HJ1

HK1

HL1

HM1

HN1

HO1

HP1

HQ1

HR1

HS1

HT1

HU1

HV1

HW1

HX1

HY1

HZ1

IA1

IB1

IC1

ID1

IE1

IF1

IG1

IH1

II1

IJ1

IK1

IL1

IM1

IN1

IO1

IP1

IQ1

IR1

IS1

IT1

IU1

IV1

IW1

IX1

IY1

IZ1

JA1

JB1

JC1

JD1

JE1

JF1

JG1

JH1

JI1

I1

I2

I3

I4

I5

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I12

I13

I14

I15

I16

I17

I18

I19

I20

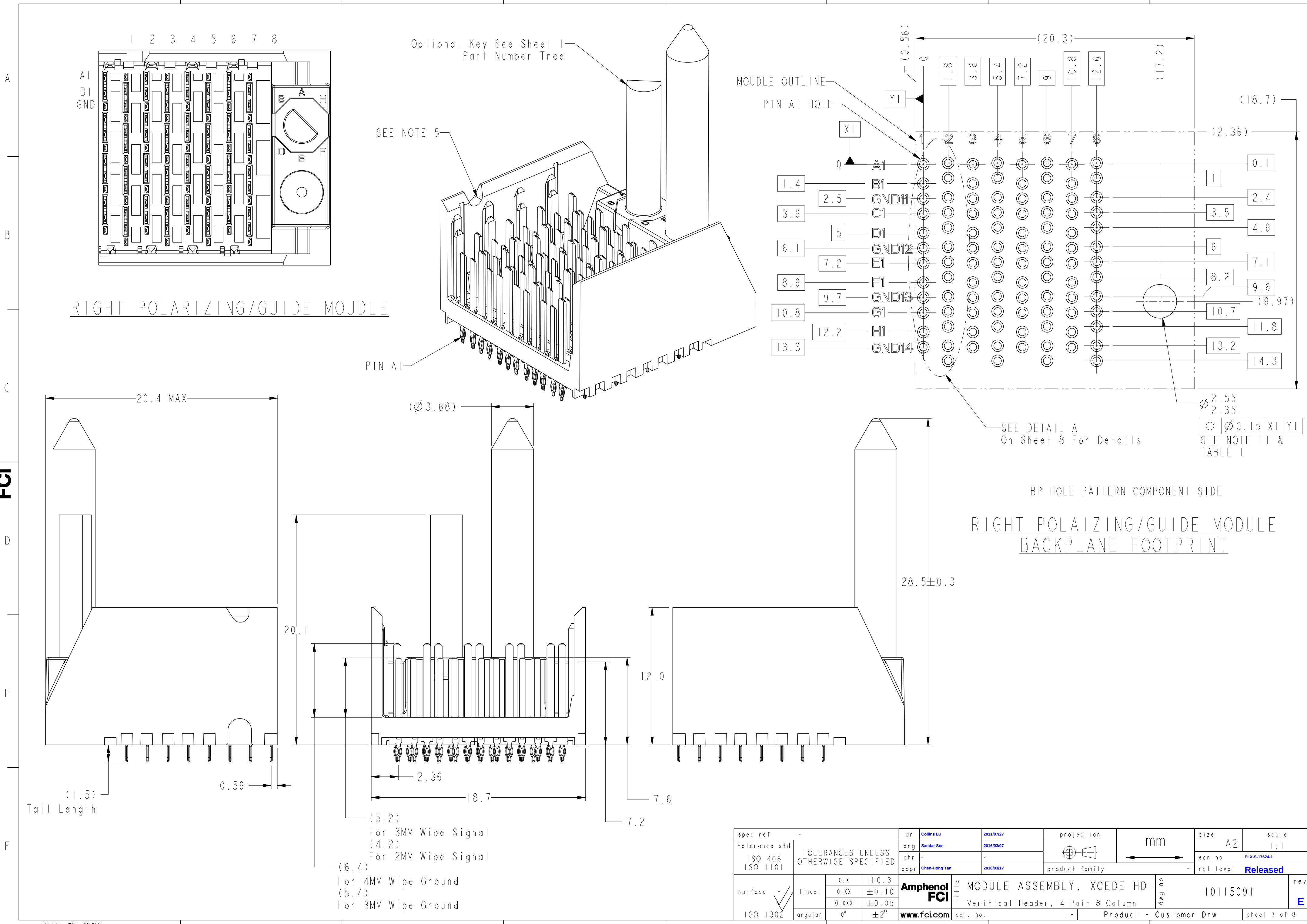
I21

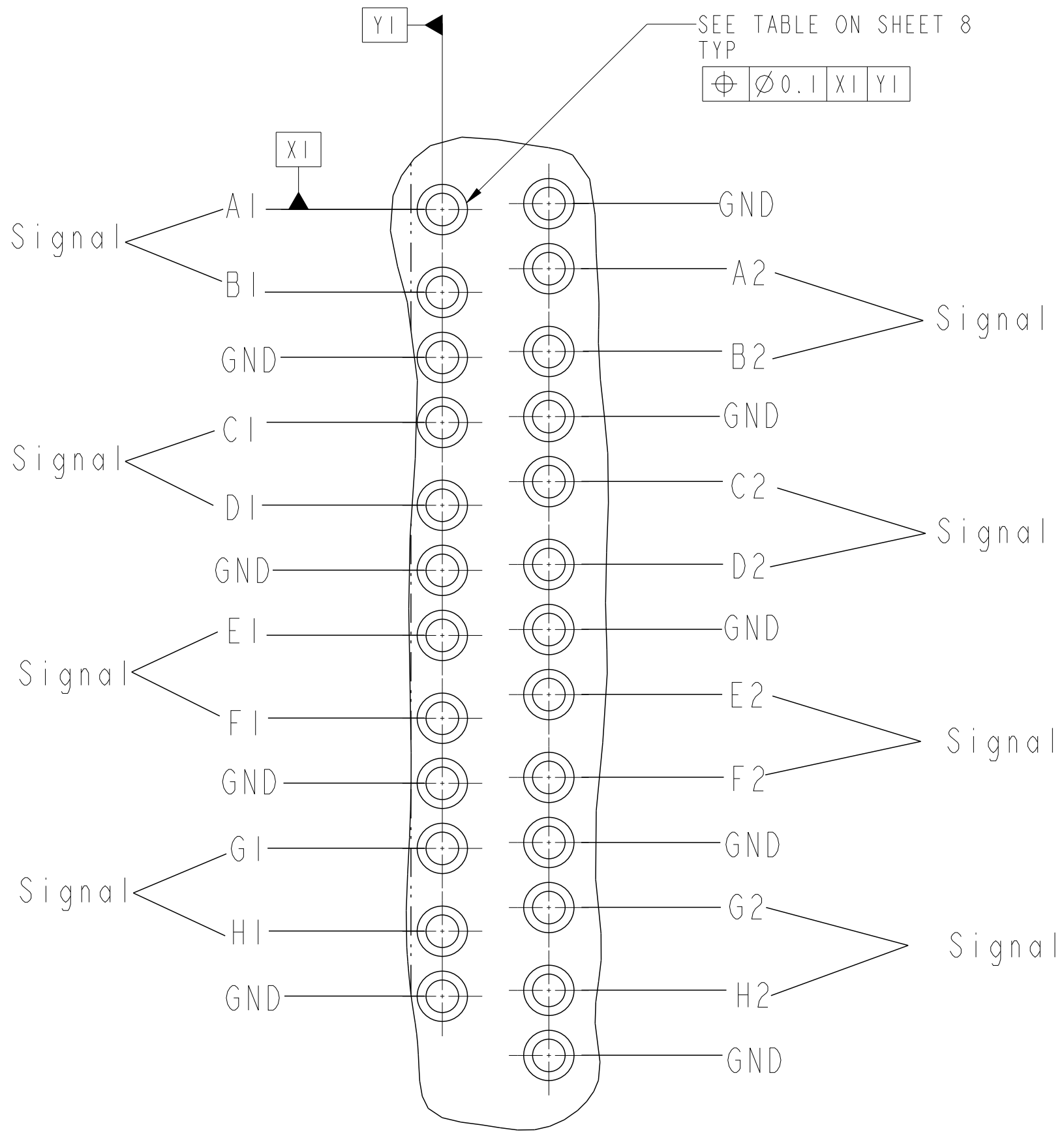
I22

I23

I24

I25





DETAIL A
SCALE 12:1

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 (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  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	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	Module Assembly, XCEDE HD	cat. no.	10115091	rev	E
TOLERANCES UNLESS OTHERWISE SPECIFIED		Amphenol FCI		Veritcal Header, 4 Pair 8 Column		Product - Customer Drw		sheet 8 of 8		
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	angular	0° ±2°	www.fci.com		PDS: Rev :E		STATUS:Released		Printed: Mar 17, 2016