

10115091 - 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)										

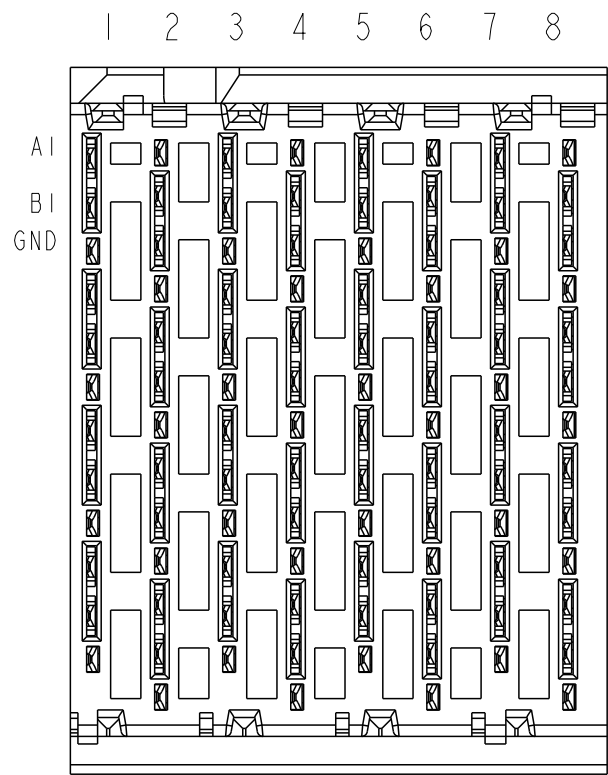
NUMBER	CONTACT MATING WIPE LENGTH		COMPLIANT TAIL TYPE (SEE NOTE 9)
	SIGNAL	GROUND	
1	2 MM	4 MM	0.55 (0.0217") DRILL
2	3 MM	4 MM	0.55 (0.0217") DRILL
3	2 MM	4 MM	0.45 MICRO (0.0177") DRILL
4	3 MM	4 MM	0.45 MICRO (0.0177") DRILL
5	2 MM	3 MM	0.55 (0.0217") DRILL
6	3 MM	3 MM	0.55 (0.0217") DRILL
7	2 MM	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
	ISO 1302	angular	0.XXX
		0°	±2°

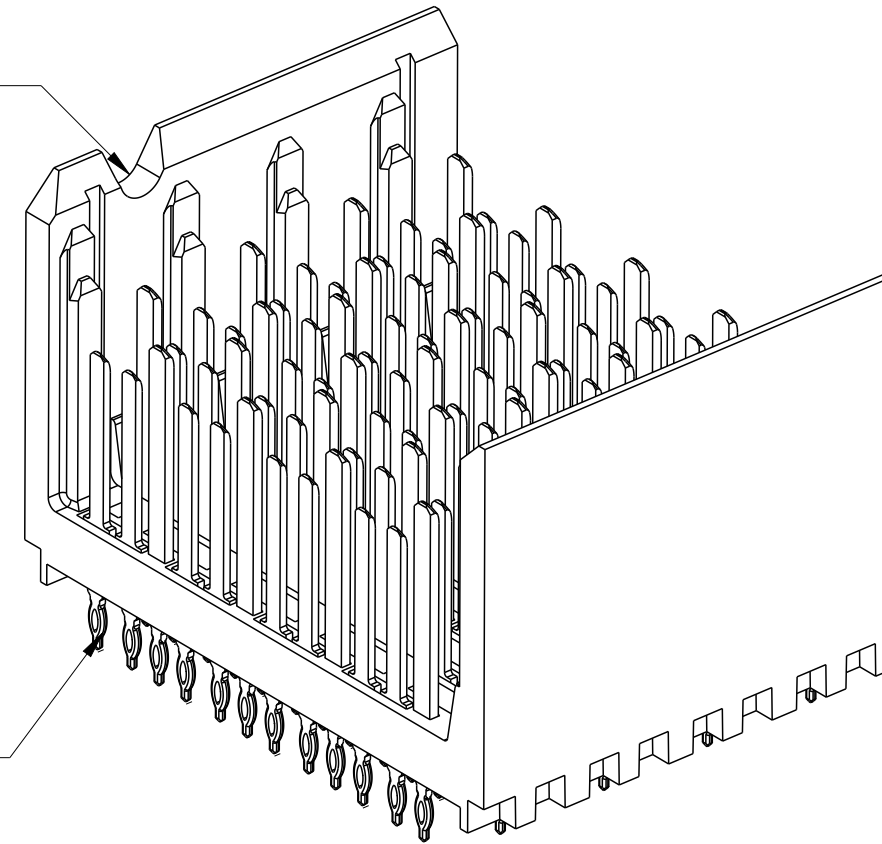
dr	Collins Lu	2011/07/27			size	A2	scale	1:1	
eng	Sandar Soe	2016/03/07			ecn no	ELX-S-17624-1			
chr	-	-			rel level	Released			
appr	Chen-Hong Tan	2016/03/17	product family		-				
	title	MODULE ASSEMBLY, XCEDE HD				dwg no	10115091	rev	E
		Veritcal Header, 4 Pair 8 Column							
www.fci.com	cat. no.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



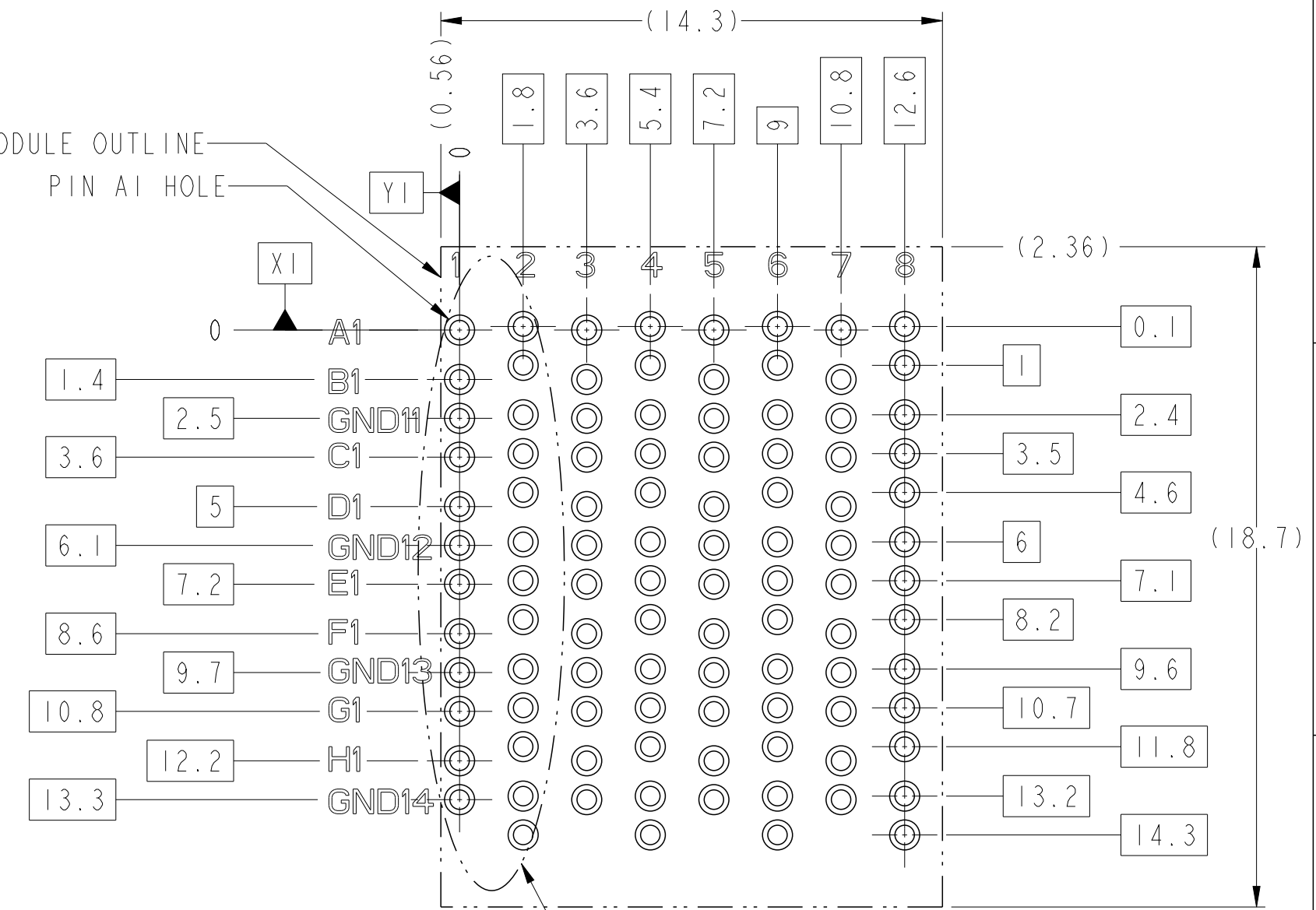
OPEN WALL MODULE

SEE NOTE 5

PIN A1

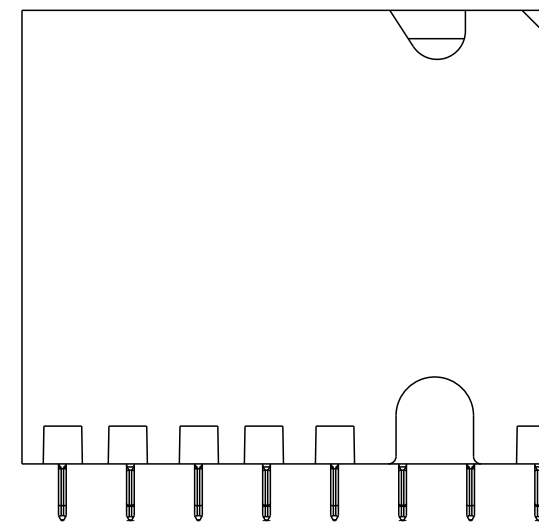
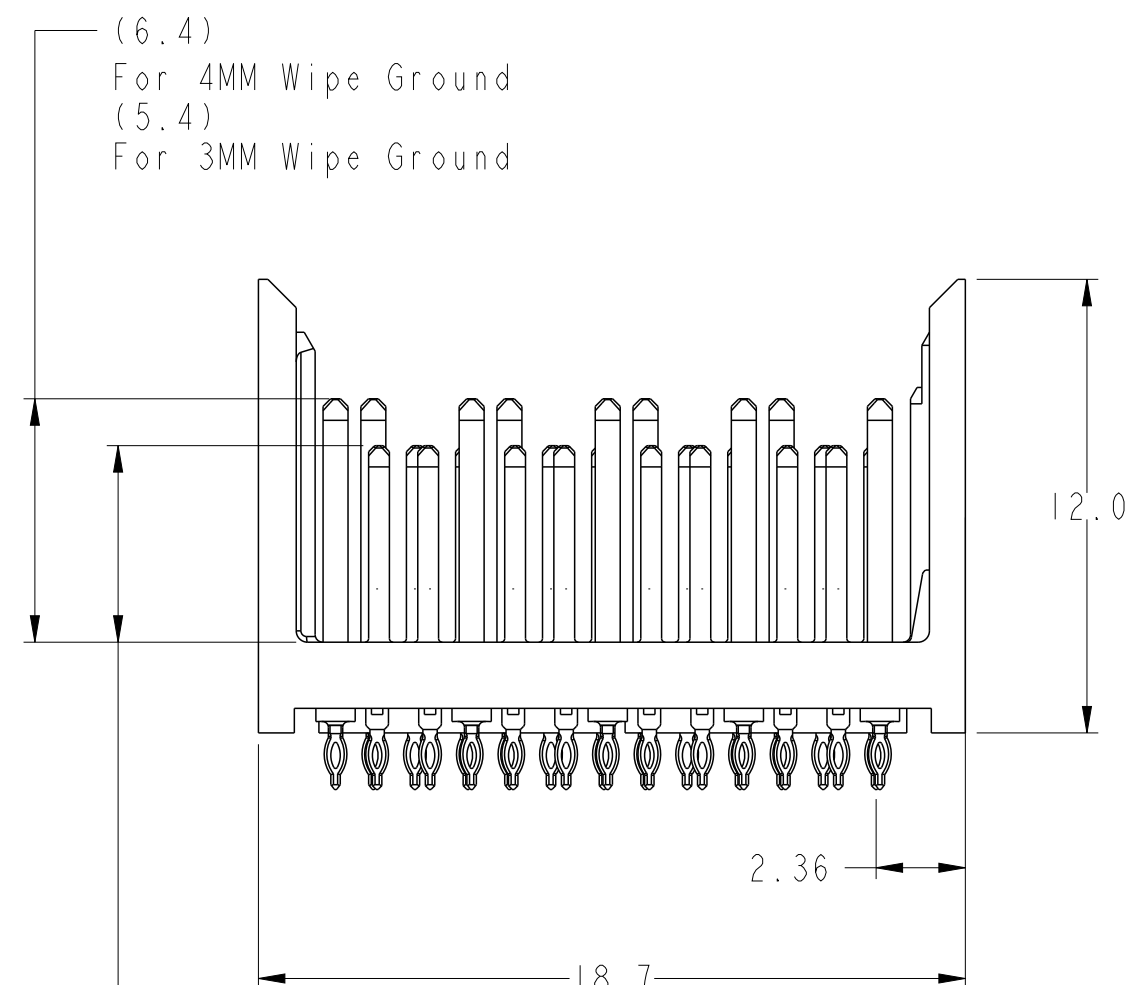
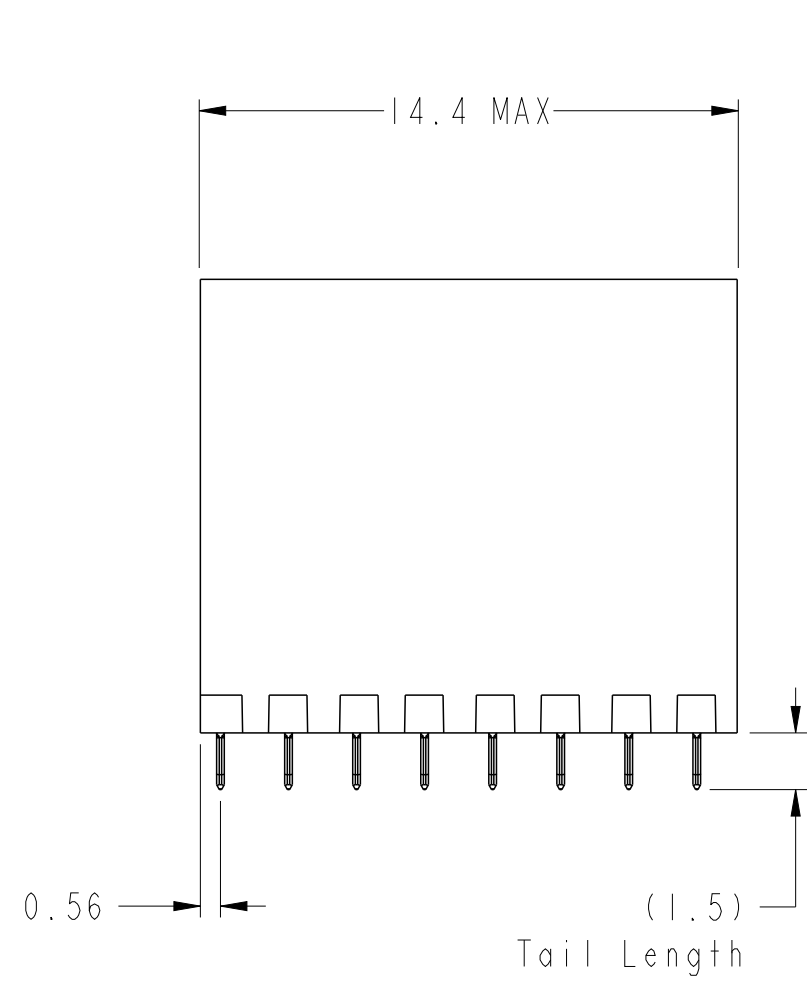


MODULE OUTLINE
PIN A1 HOLE

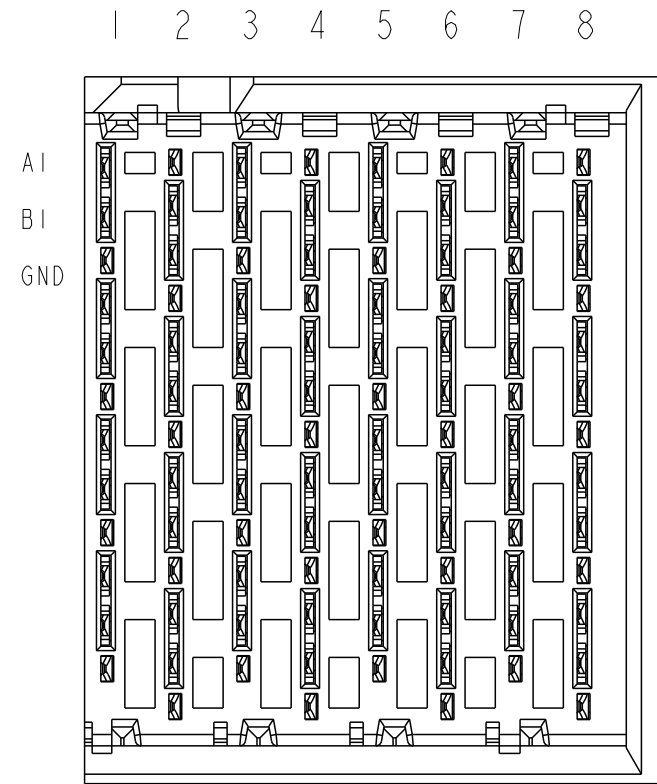


SEE DETAIL A
On Sheet 8 For Details

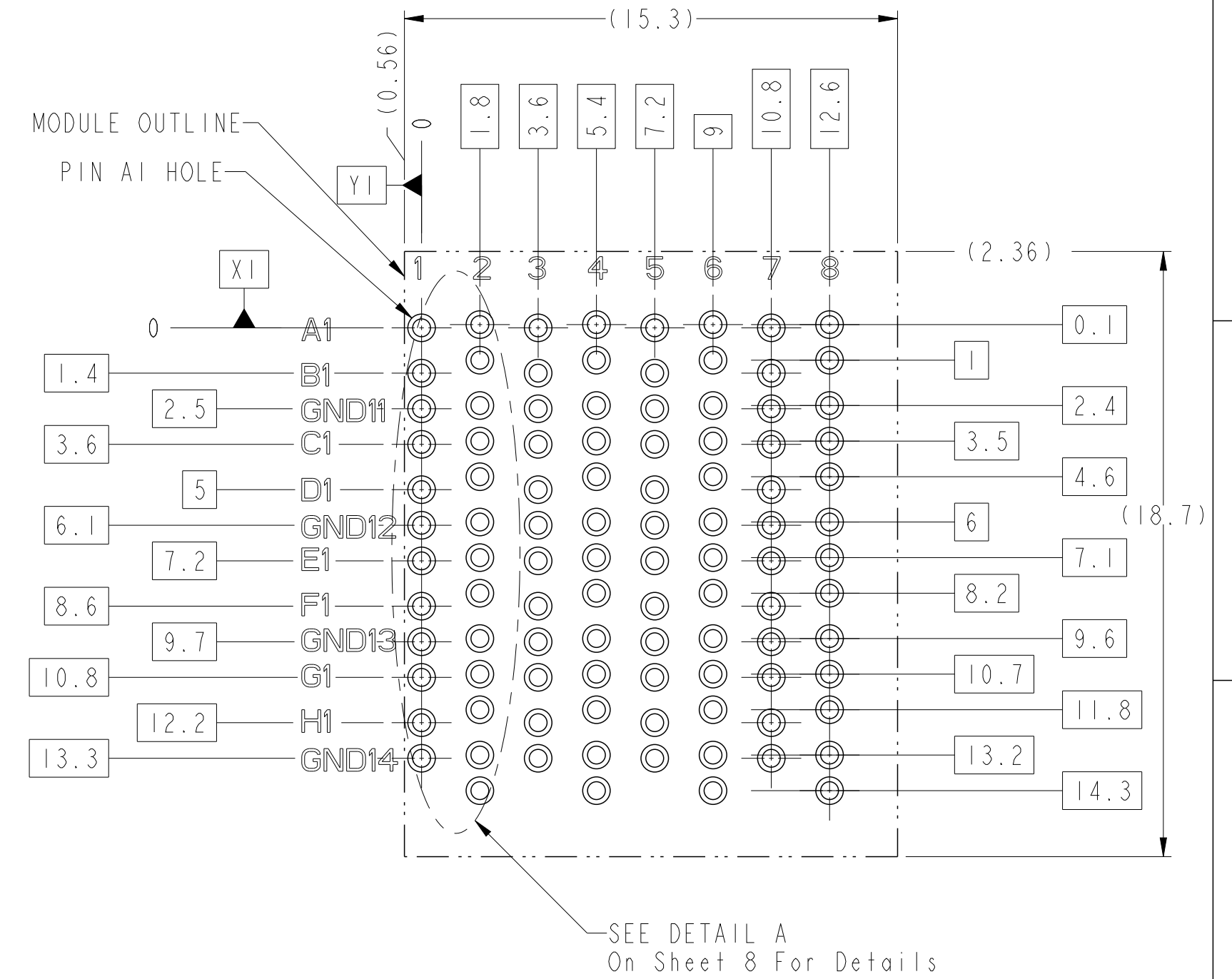
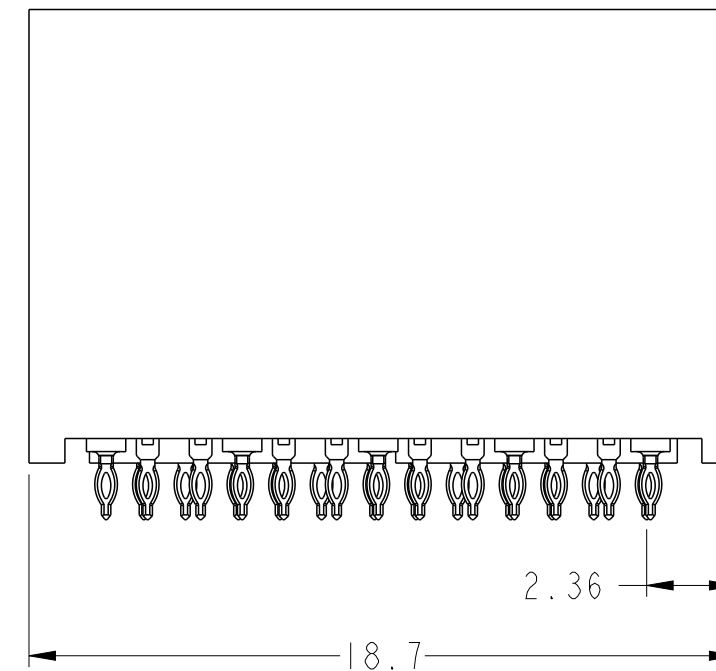
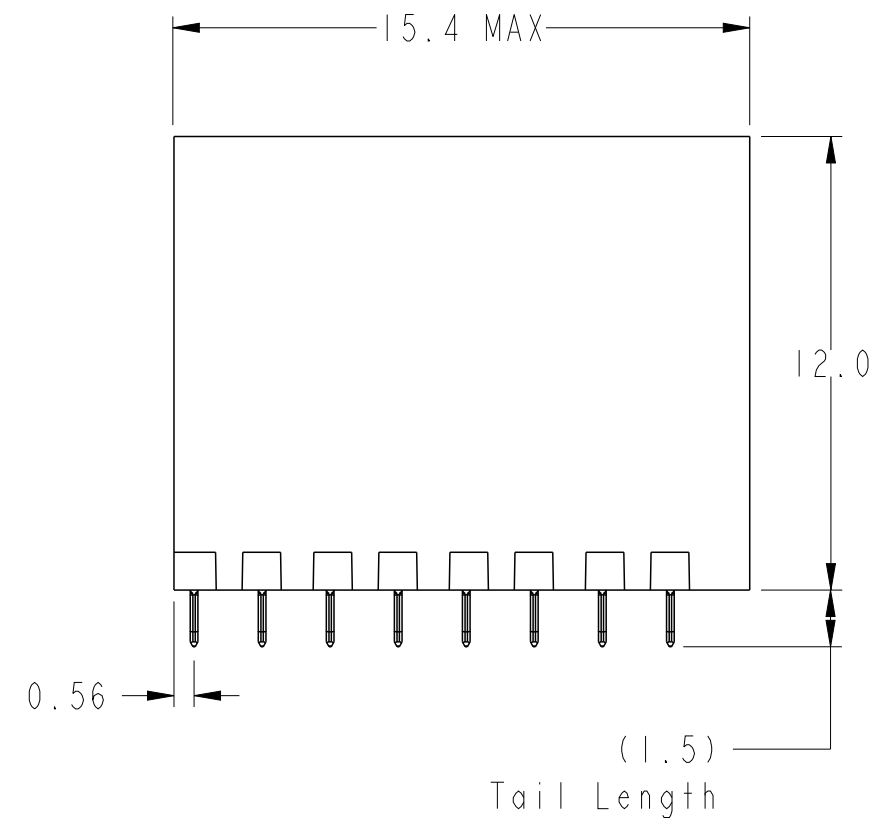
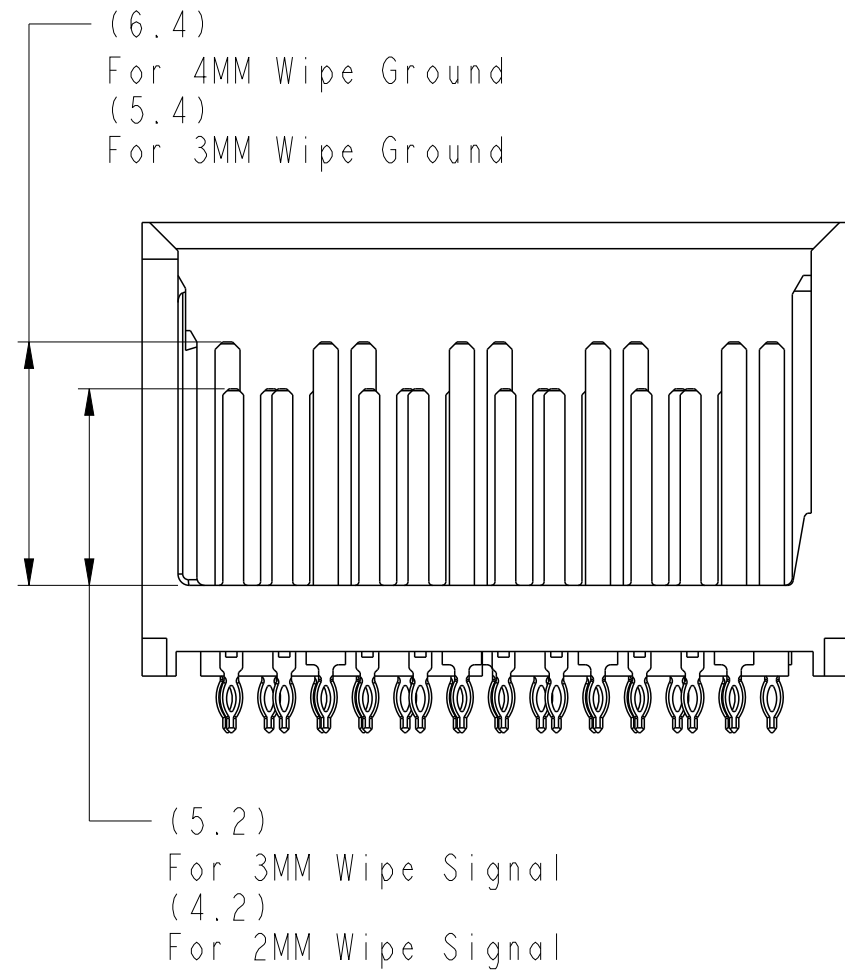
BP HOLE PATTERN COMPONENT SIDE
OPEN WALL MODULE BACKPLANE FOOTPRINT



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	cat. no.	-	Product - Customer Drw	sheet 2 of 8
MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 8 Column					dwg no		10115091		rev	
PDS: Rev :E					STATUS:Released		Printed: Mar 17, 2016			

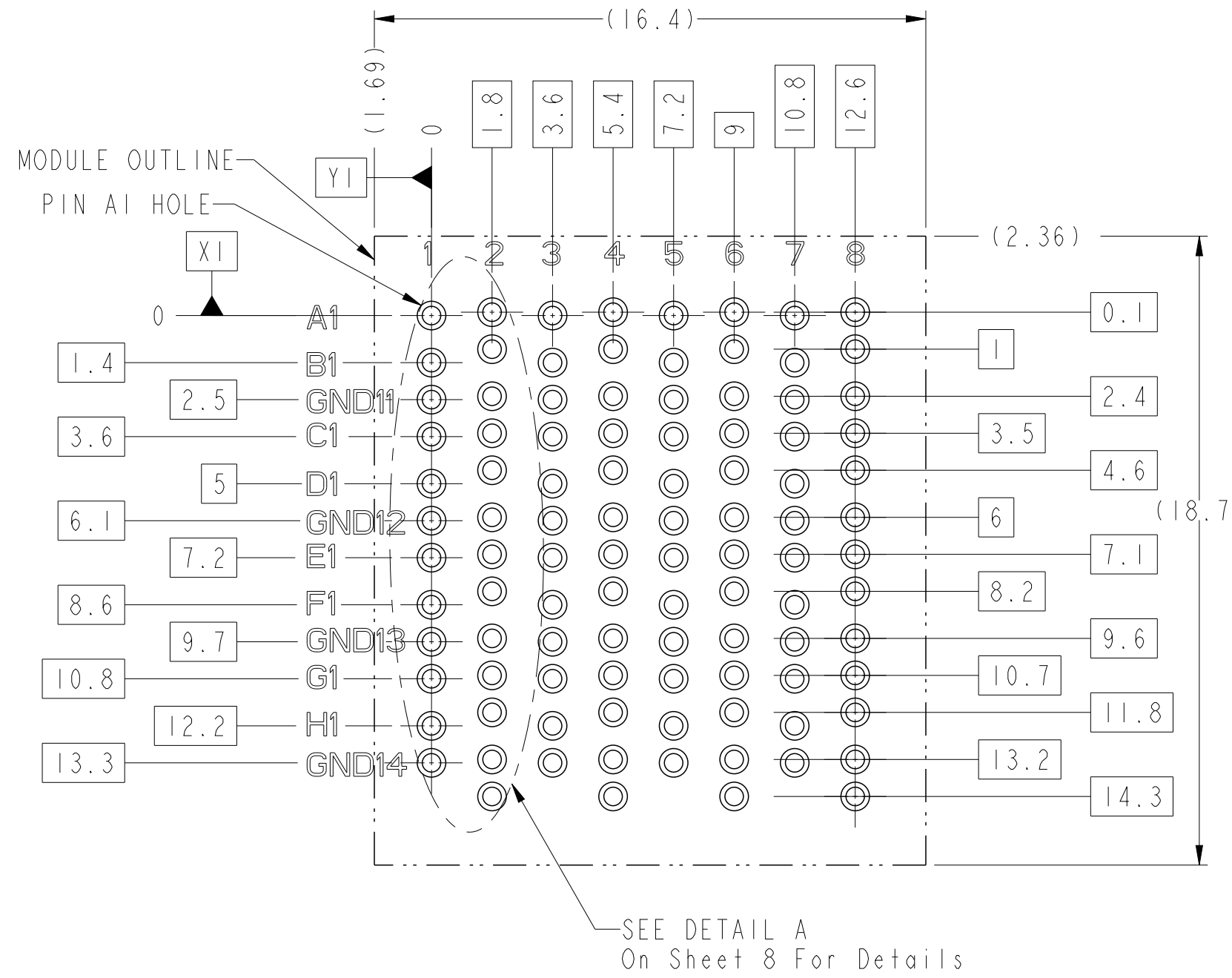
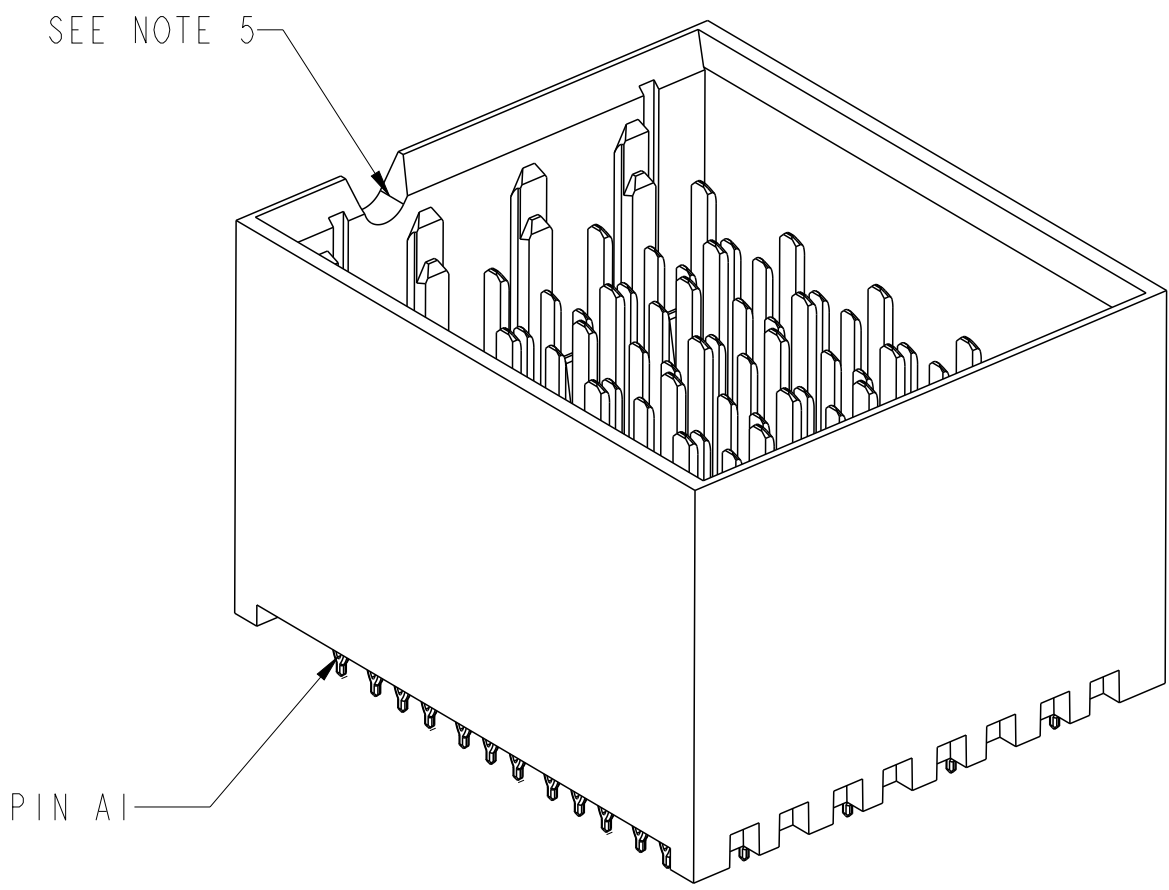
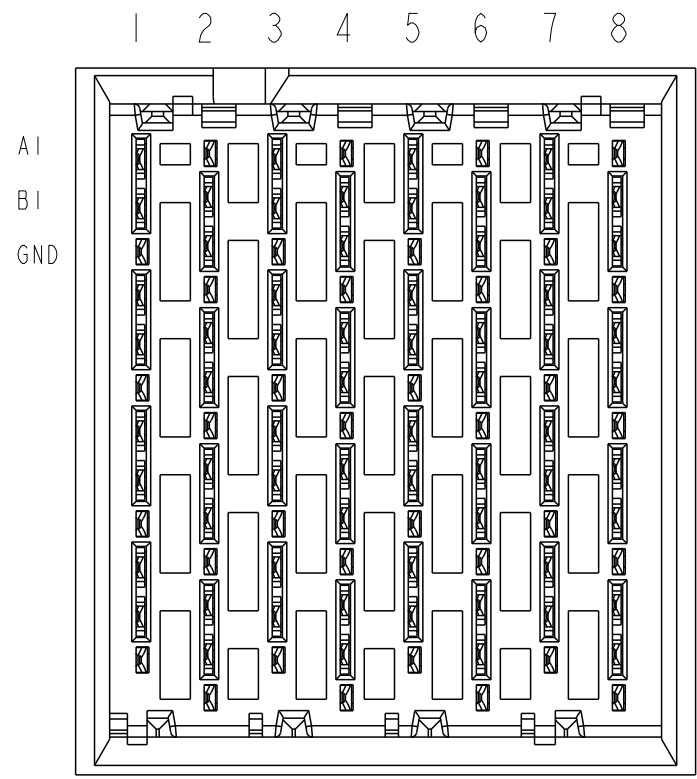


RIGHT WALL MODULE



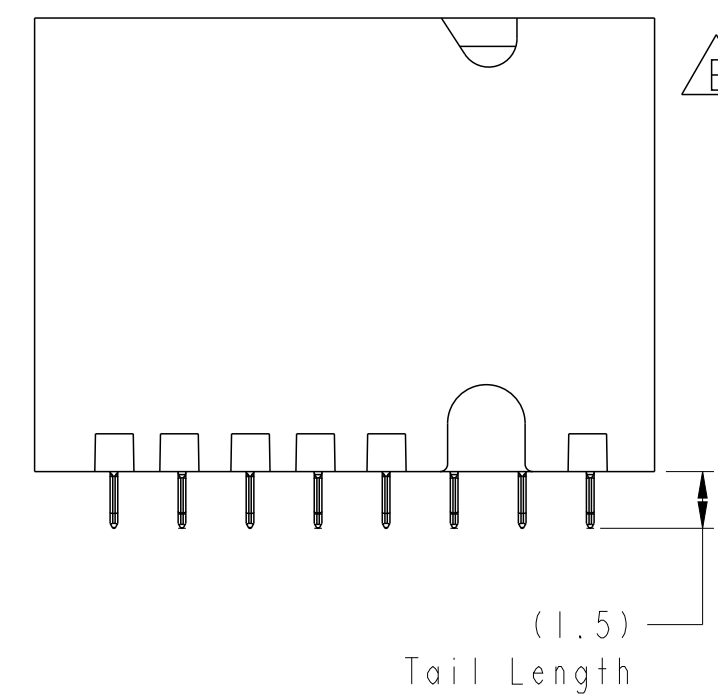
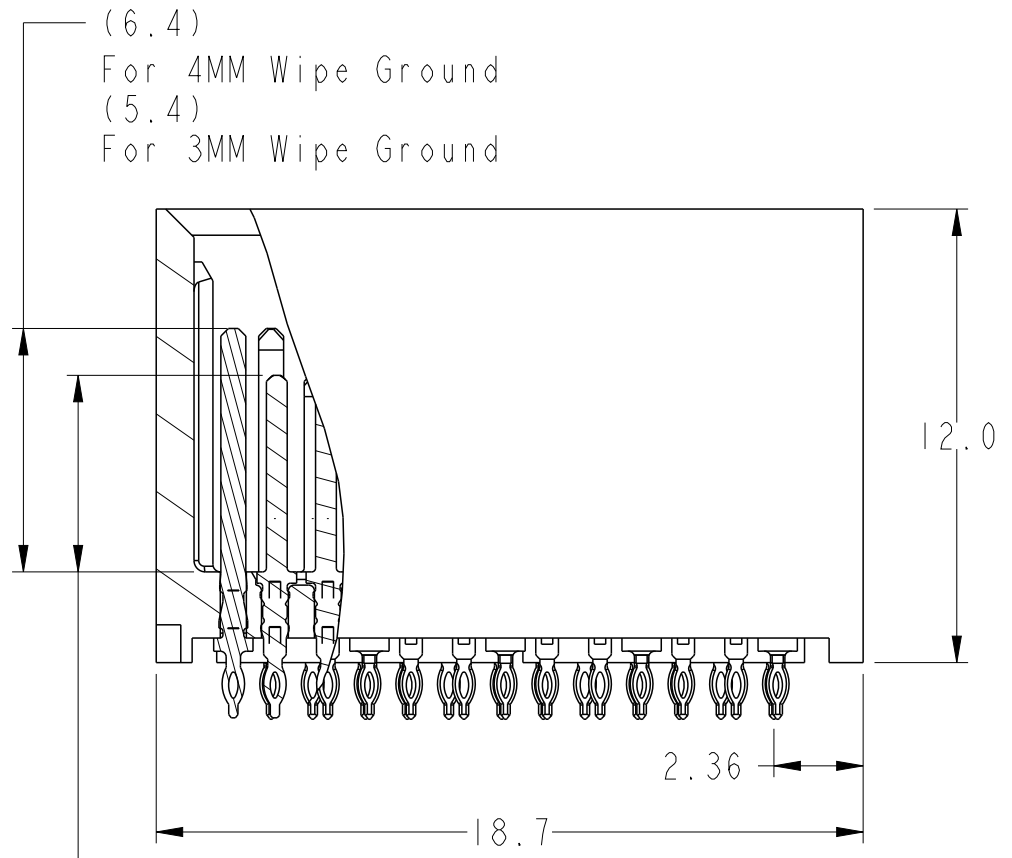
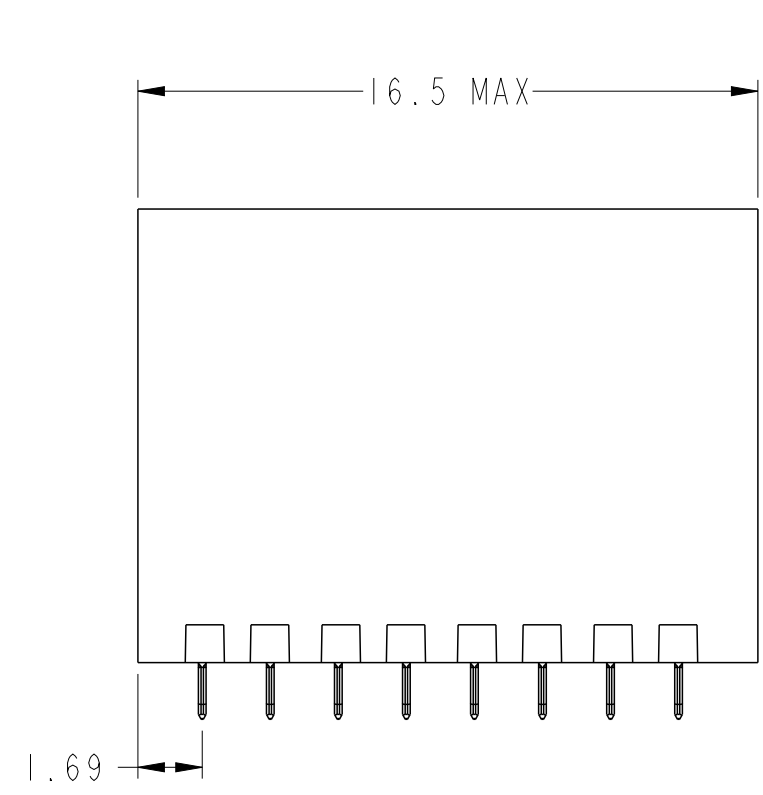
RIGHT WALL MODULE BACKPLANE FOOTPRINT

spec ref		-		dr		Collins Lu		2011/07/27		projection		mm		size		A2		scale		1:1	
tolerance std		ISO 406 ISO 1101		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Sandar Soe		2016/03/07						ecn no		ELX-S-17624-1			
						chr		-		-		product family		-		rel level		Released			
						appr		Chen-Hong Tan		2016/03/17											
surface		✓		linear		0.X		±0.3		Amphenol FCi		title		MODULE ASSEMBLY, XCEDE HD		dwg no		10115091		rev	
						0.XX		±0.10						Veritcal Header, 4 Pair 8 Column						E	
						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 Details



BP HOLE PATTERN COMPONENT SIDE

FOUR WALL MODULE BACKPLANE FOOTPRINT

Amphenol
FCi

© 2016 AFCi

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

0

1.4

2.5

3.6

5

6.1

7.2

8.6

9.7

(9.97)

10.8

12.2

13.3

Ø 2.55

Ø 2.35

Ø 0.15 X1 Y1

SEE NOTE 11 & TABLE 1

1.4

2.5

3.6

5

6.1

7.2

8.6

9.7

10.8

12.2

13.3

Ø 2.55

Ø 2.35

Ø 0.15 X1 Y1

SEE NOTE 11 & TABLE 1

1.4

2.5

3.6

5

6.1

7.2

8.6

9.7

10.8

12.2

13.3

Ø 2.55

Ø 2.35

Ø 0.15 X1 Y1

SEE NOTE 11 & TABLE 1

1.4

2.5

3.6

5

6.1

7.2

8.6

9.7

10.8

12.2

13.3

Ø 2.55

Ø 2.35

Ø 0.15 X1 Y1

SEE NOTE 11 & TABLE 1

1.4

2.5

3.6

5

6.1

7.2

8.6

9.7

10.8

12.2

13.3

Ø 2.55

Ø 2.35

Ø 0.15 X1 Y1

SEE NOTE 11 & TABLE 1

1.4

2.5

3.6

5

6.1

7.2

8.6

9.7

10.8

12.2

13.3

Ø 2.55

Ø 2.35

Ø 0.15 X1 Y1

SEE NOTE 11 & TABLE 1

1.4

2.5

3.6

5

6.1

7.2

8.6

9.7

10.8

12.2

13.3

Ø 2.55

Ø 2.35

Ø 0.15 X1 Y1

SEE NOTE 11 & TABLE 1

1.4

2.5

3.6

5

6.1

7.2

8.6

9.7

10.8

12.2

13.3

Ø 2.55

Ø 2.35

Ø 0.15 X1 Y1

SEE NOTE 11 & TABLE 1

1.4

2.5

3.6

5

6.1

7.2

8.6

9.7

10.8

12.2

13.3

Ø 2.55

Ø 2.35

Ø 0.15 X1 Y1

SEE NOTE 11 & TABLE 1

1.4

2.5

3.6

5

6.1

7.2

8.6

9.7

10.8

12.2

13.3

Ø 2.55

Ø 2.35

Ø 0.15 X1 Y1

SEE NOTE 11 & TABLE 1

1.4

2.5

3.6

5

6.1

7.2

8.6

9.7

10.8

12.2

13.3

Ø 2.55

Ø 2.35

Ø 0.15 X1 Y1

SEE NOTE 11 & TABLE 1

1.4

2.5

3.6

5

6.1

7.2

8.6

9.7

10.8

12.2

13.3

Ø 2.55

Ø 2.35

Ø 0.15 X1 Y1

SEE NOTE 11 & TABLE 1

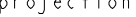
BP HOLE PATTERN COMPONENT SIDE

LEFT POLARIZING GUIDE MODULE
BACKPLANE FOOTPRINT

28.5±0.3

(1.5)
Tail Length

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

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						ecn no		ELX-S-17624-1		Released											
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		-		appr						Chen-Hong Tan		2016/03/17				product family		-							
		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 6 of 8		rev		E	
																title		MODULE ASSEMBLY, XCEDE HD		dwg no		10115091							

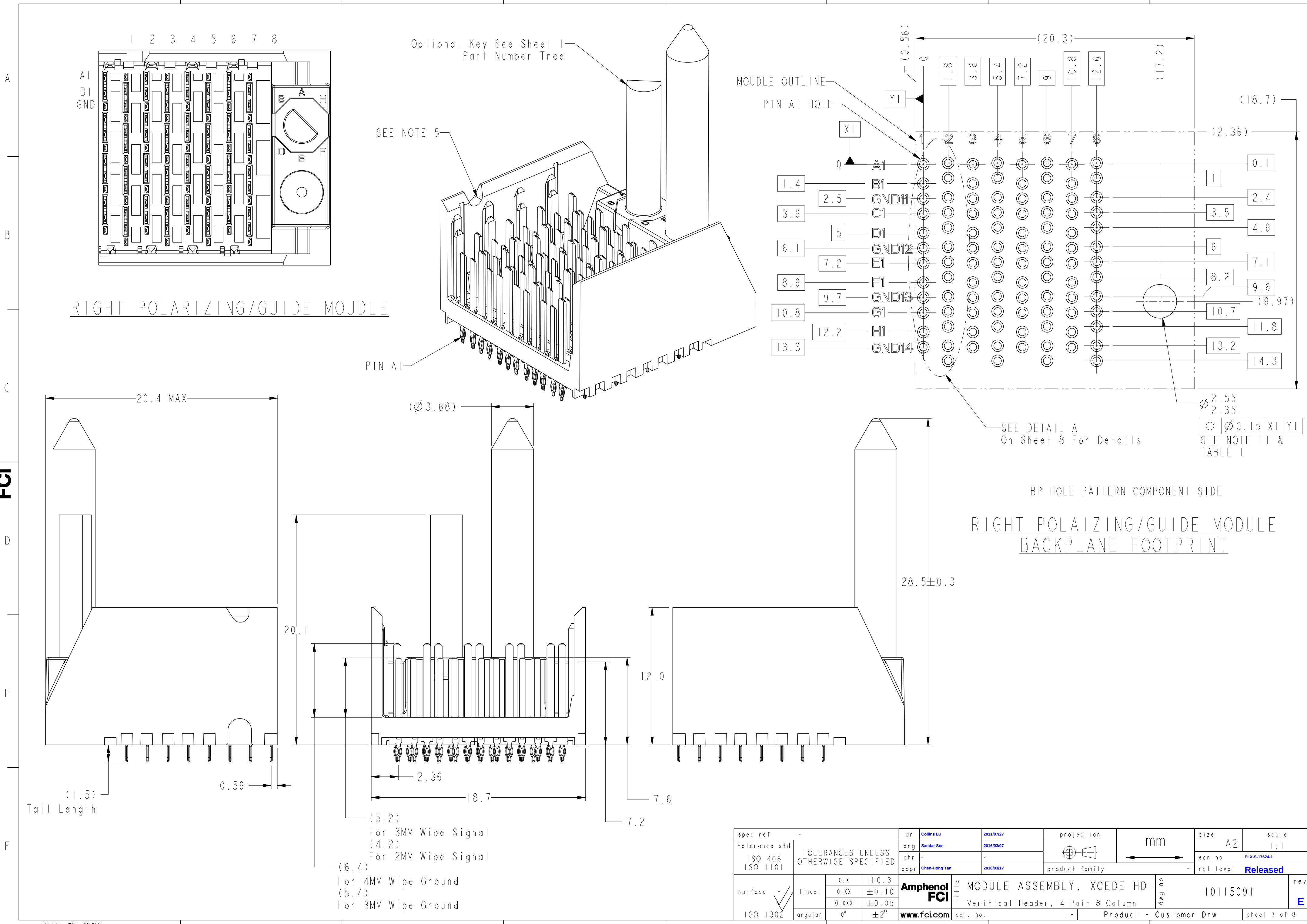
PDS: Rev :E

STATUS:Released

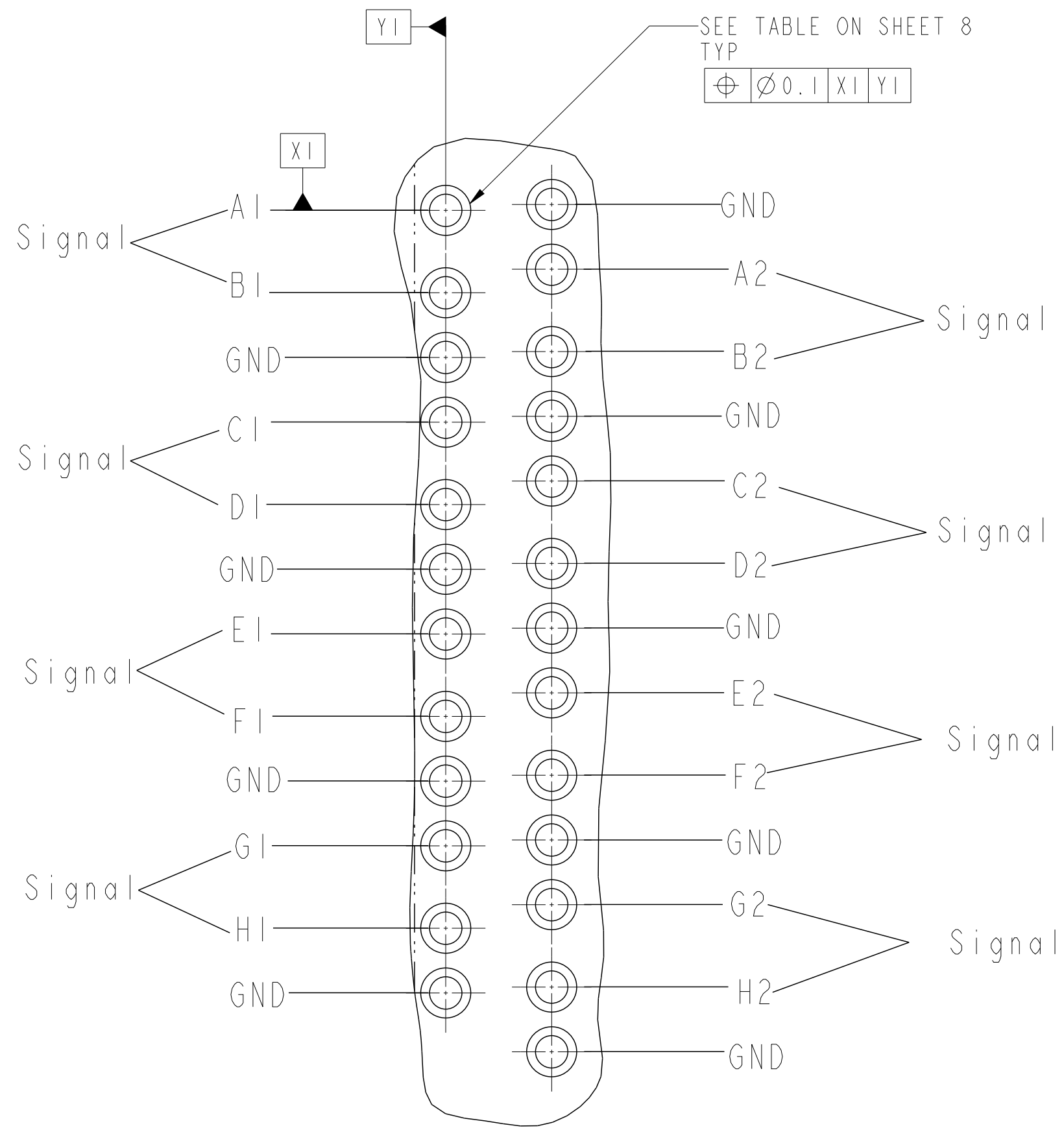
Printed: Mar 17, 2016

Amphenol
FCi

© 2016 AFCI



spec ref		-		dr	Collins Lu	2011/07/27		mm	size	A2	scale	1:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sandar Soe	2016/03/07			ecn no	ELX-S-17624-1				
ISO 406 ISO 1101				chr	-				rel level	Released				
				appr	Chen-Hong Tan	2016/03/17	product family		-					
surface		linear	0.X	±0.3	Amphenol FCi	title	MODULE ASSEMBLY, XCEDE HD Veritcal Header, 4 Pair 8 Column				dwg no	10115091	rev	E
			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		



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		ISO 406		eng		Sandar Soe		2016/03/07		chr		-		-		ecn no		ELX-S-17624-1		rel level		Released	
ISO 1101		TOLERANCES UNLESS OTHERWISE SPECIFIED		appr		Chen-Hong Tan		2016/03/17		product family													
surface				linear		0.X		±0.3		Amphenol FCI		title		MODULE ASSEMBLY, XCEDE HD		dwg no		10115091		rev		E	
						0.XX		±0.10		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 8 of 8					
ISO 1302				angular		0.XXX		±0.05															
				±2°																			