

10119128 - X0C - XXXLF

6-COLUMN
DIFFERENTIAL
SIGNAL

0: GENERAL LABEL
E: CUSTOMIZED LABEL

LEAD-FREE DESIGNATION
ONLY WITH APPLICABLE
PLATING CODES

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)	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 10119128-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

TOLERANCES UNLESS OTHERWISE SPECIFIED

surface

ISO 1302

linear

0.X

±0.3

0.XX

±0.10

0.XXX

±0.05

angular

0°

±2°

dr

eng

chr

appr

Marty Glass

Michael Song

Stone Li

Heaven Cen

2012/02/03

2017/05/24

2017/06/05

2017/06/05

projection

MM

size

A2

scale

5:1

product family

XCEDE HD

rel level

Released

Amphenol FCI

www.fci.com

PDS: Rev :C

title

XCEDE HD VERTICAL HEADER

3 PAIR, 6 COLUMN STITCH HEADER

cat. no.

Product - Customer Drw

sheet 1 of 8

ecn no

ELX-DG-27080-1

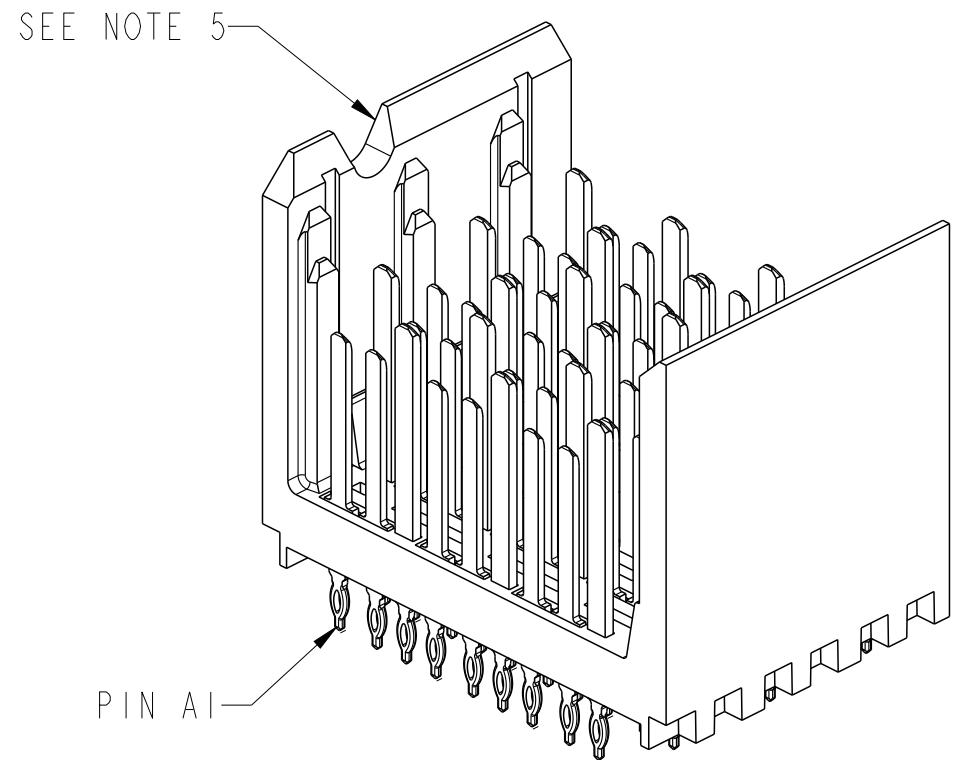
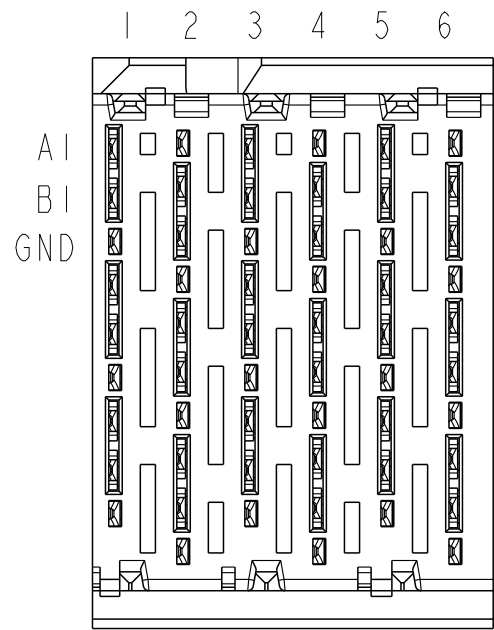
rel level

Released

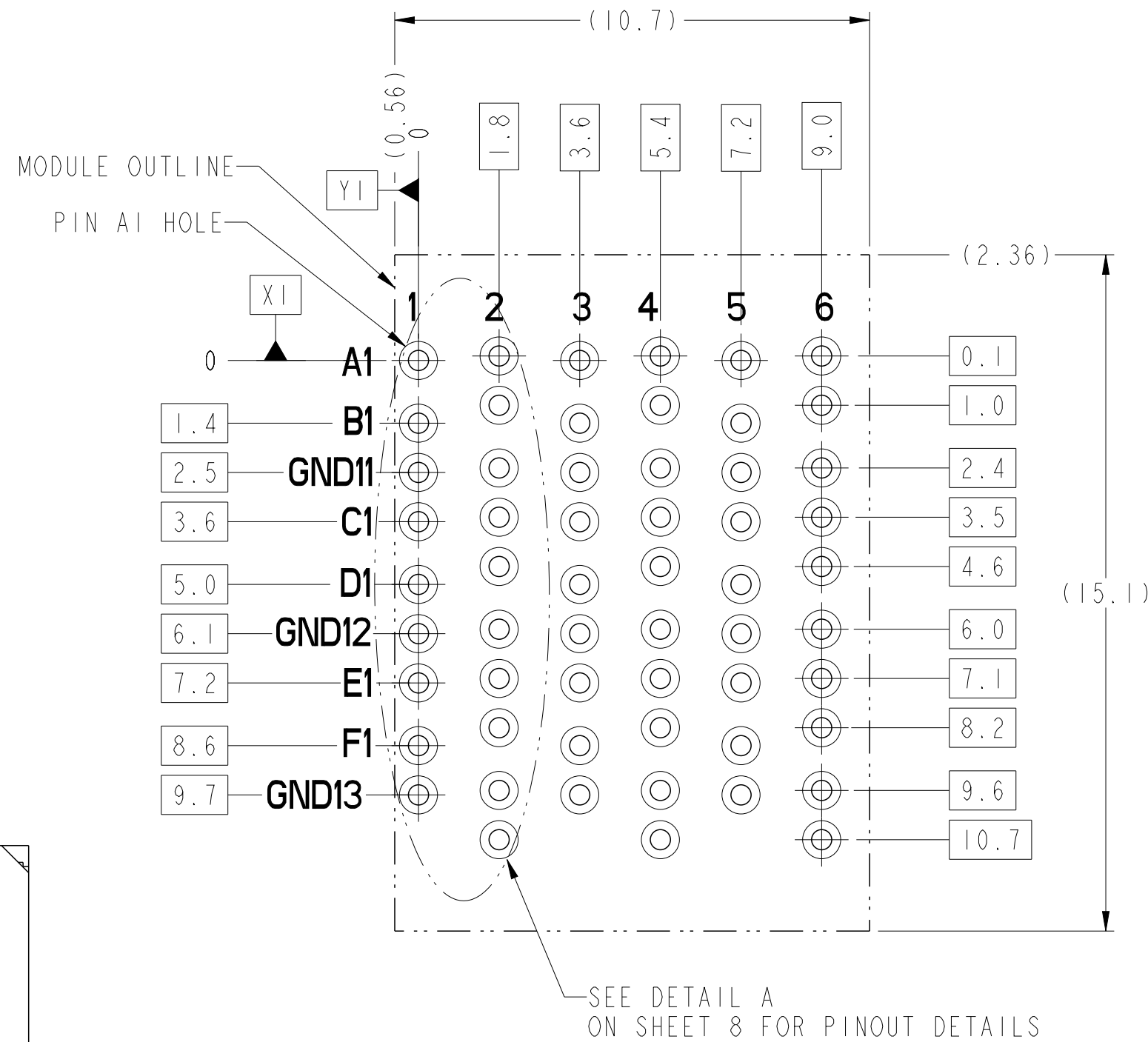
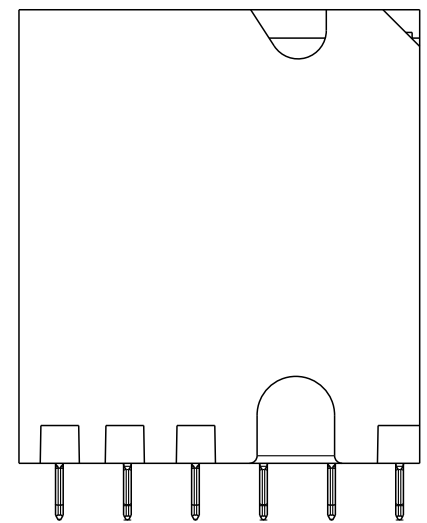
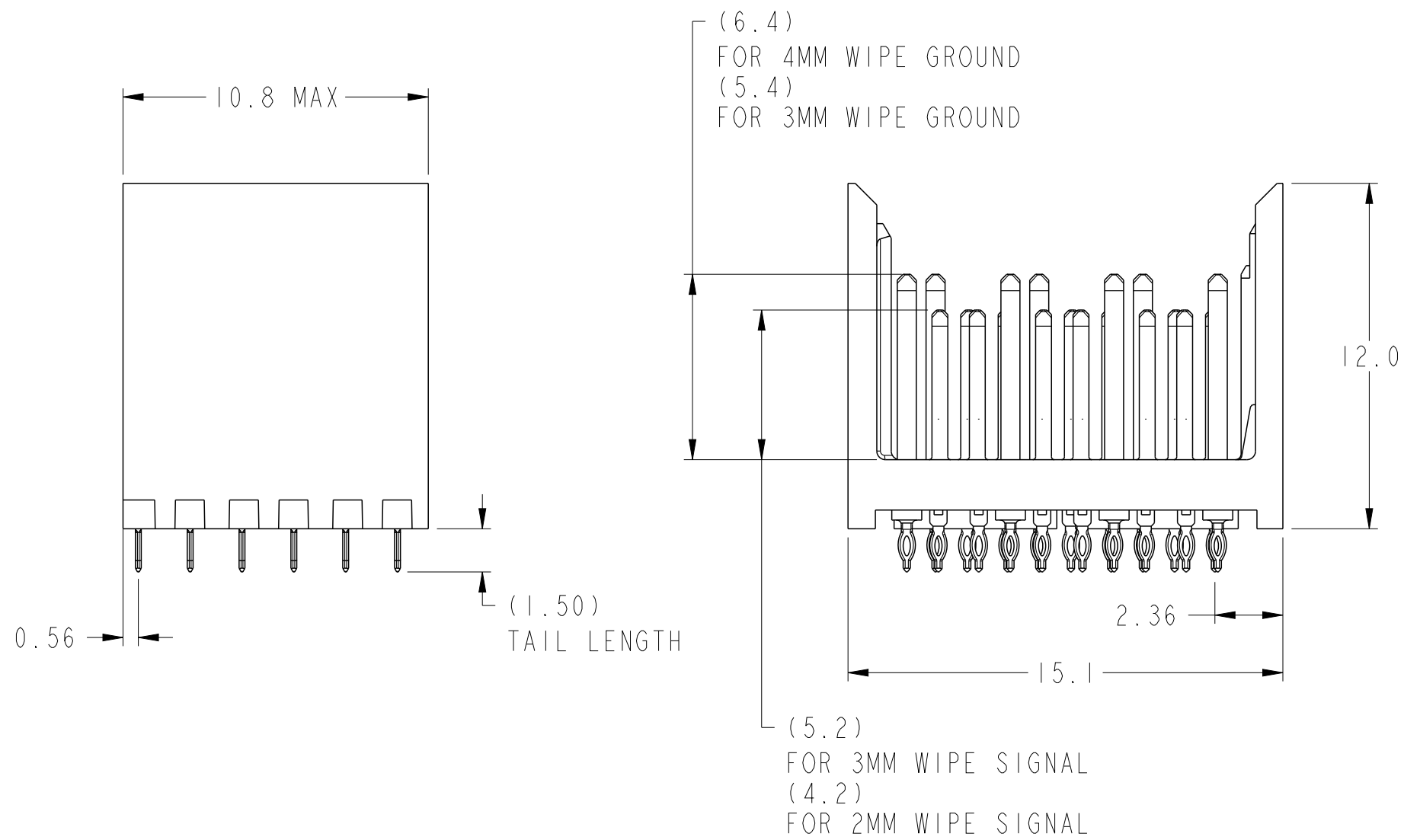
rev

C

10119128



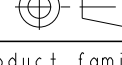
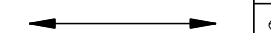
OPEN WALL MODULE

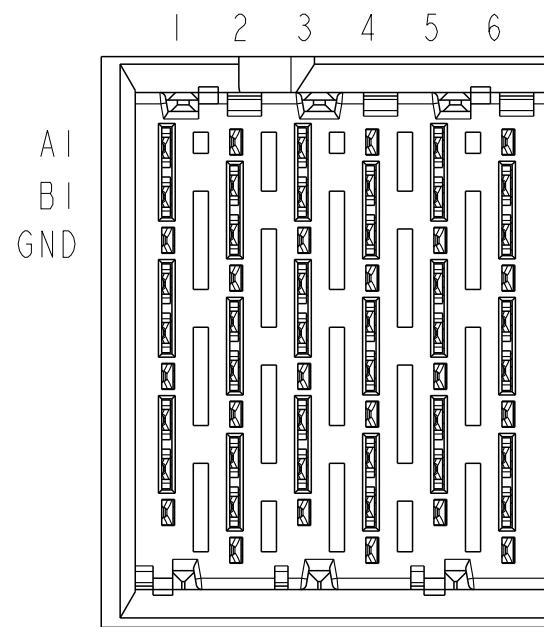


OPEN WALL MODULE BACKPLANE FOOTPRINT

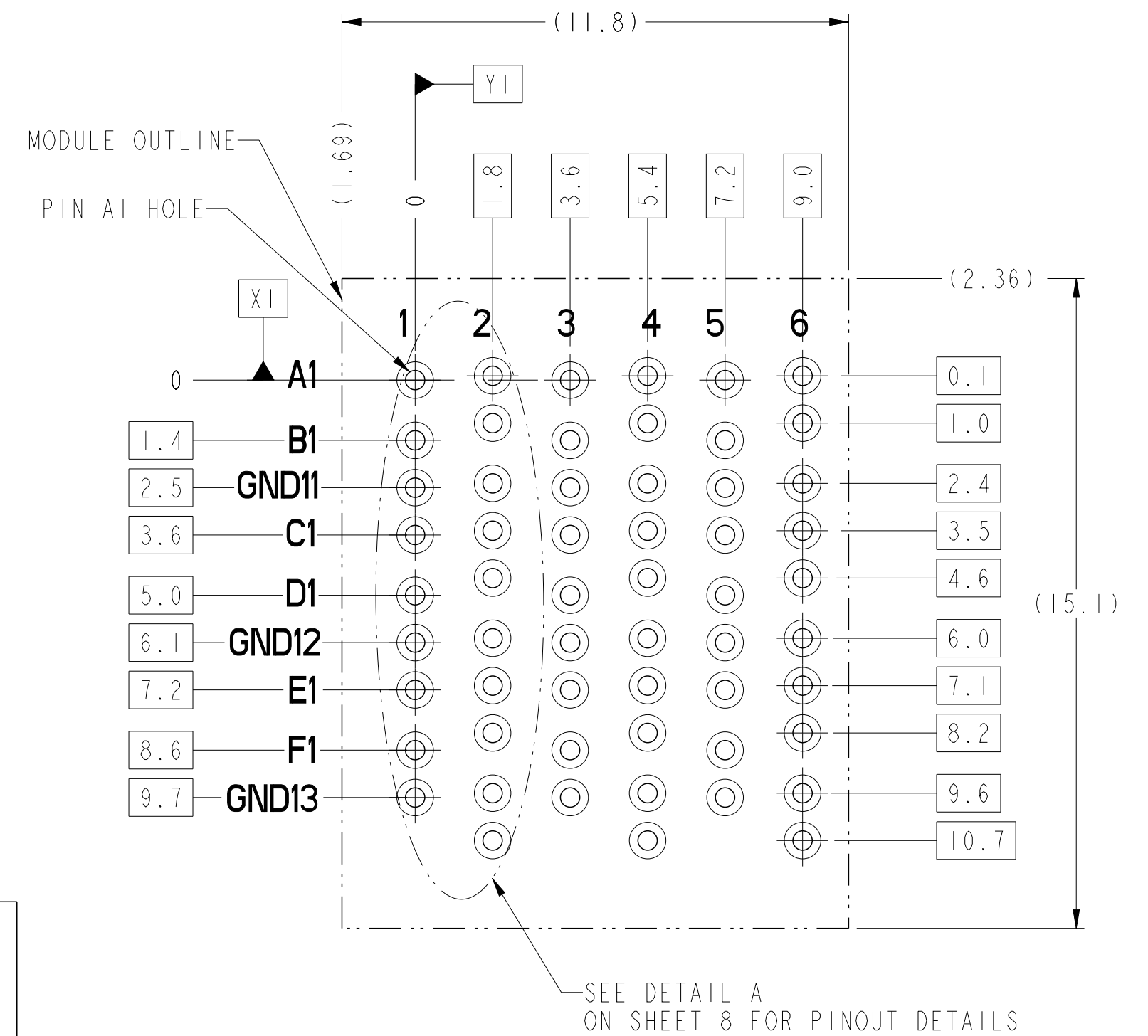
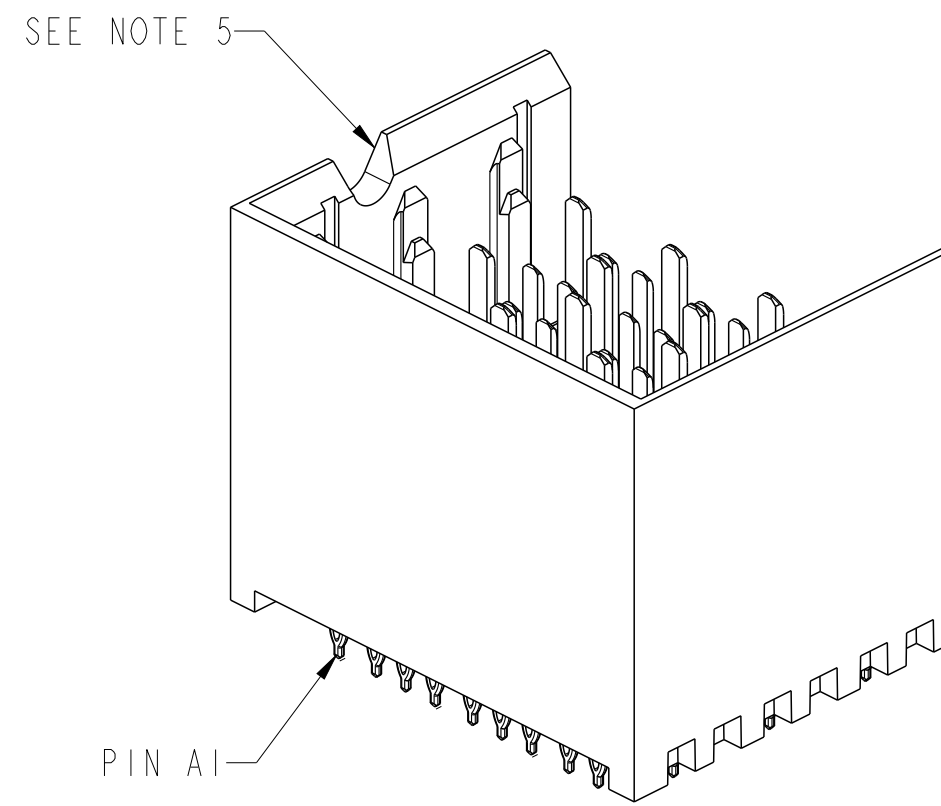
Amphenol
FCi

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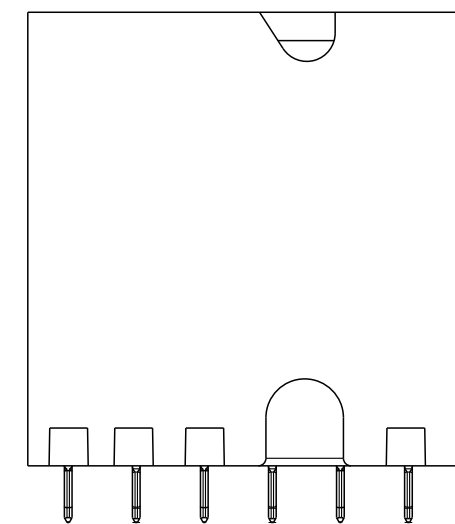
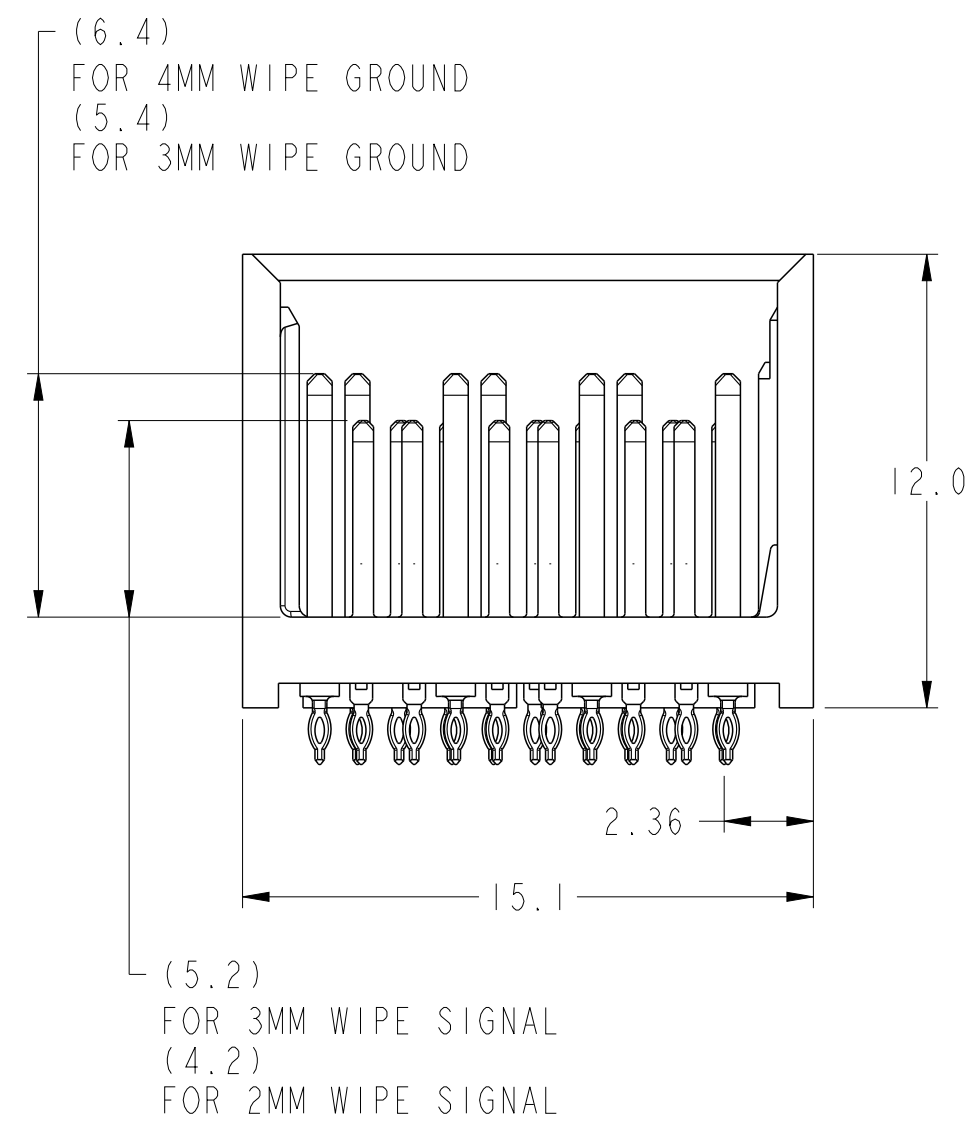
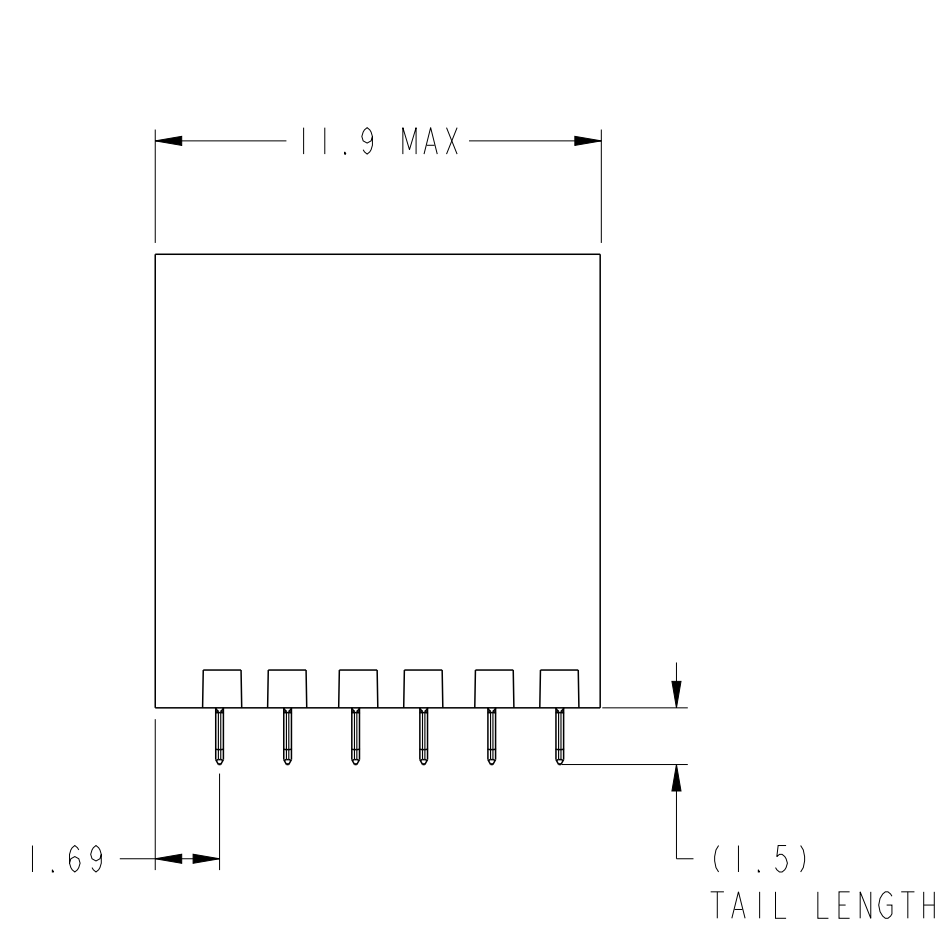
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tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Michael Song	2017/05/24				ecn no ELX-DG-27080-1			
ISO 406			chr Stone Li	2017/06/05				rel level Released			
ISO 1101			appr Heaven Cen	2017/06/05							
			product family			XCEDE HD					
surface  ISO 1302	linear	0.X	±0.3	Amphenol FCI	title	XCEDE HD VERTICAL HEADER 3 PAIR, 6 COLUMN STITCH HEADER			dwg no 10119128	rev C	
		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 :C										
STATUS:Released											
Printed: Jun 05, 2017											

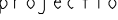


LEFT WALL MODULE



BP HOLE PATTERN COMPONENT SIDE
LEFT WALL MODULE BACKPLANE FOOTPRINT

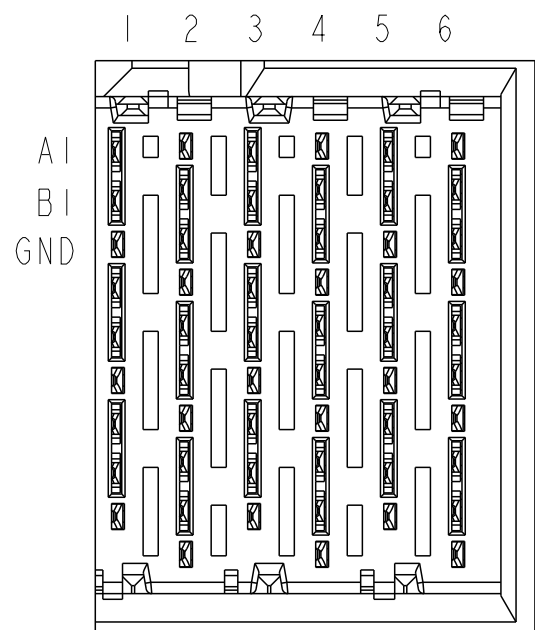


spec ref		-		dr		Marty Glass		2012/02/03		projection		MM		size		A2		scale		5:1			
tolerance std		ISO 406		ISO 1101		eng		Michael Song		2017/05/24						ecn no		ELX-DG-27080-1					
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Stone Li		2017/06/05		product family		XCEDE HD						rel level		Released					
		appr		Heaven Cen		2017/06/05																	
surface				linear		0.X		±0.3		Amphenol FCI		title		XCEDE HD VERTICAL HEADER 3 PAIR, 6 COLUMN STITCH HEADER		dwg no		10119128		rev		C	
				0.XX		±0.10																	
				0.XXX		±0.05																	
ISO 1302		angular		0°		±2°		www.fci.com		cat. no.		-		Product -		Customer Drw		sheet 3 of 8					

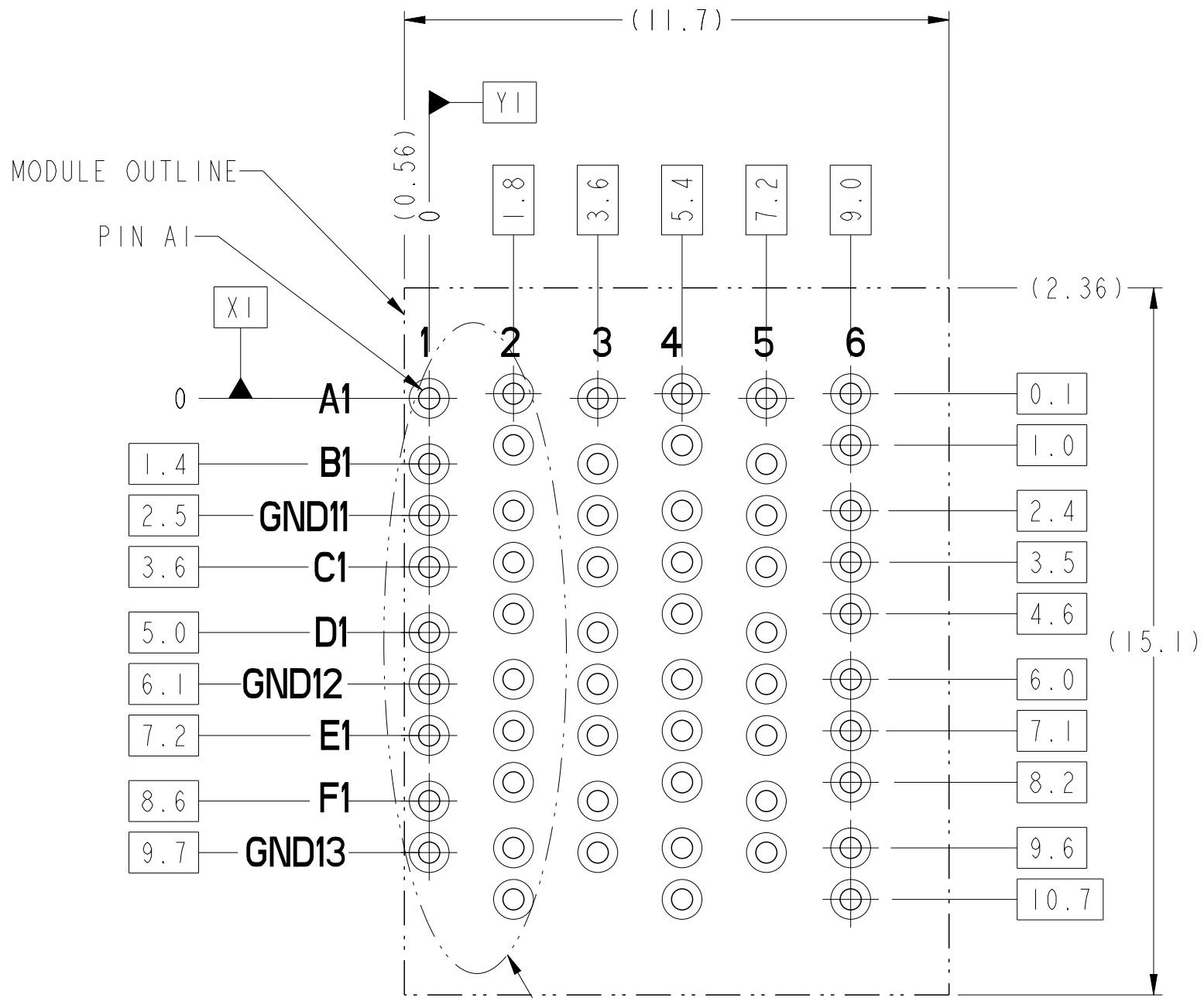
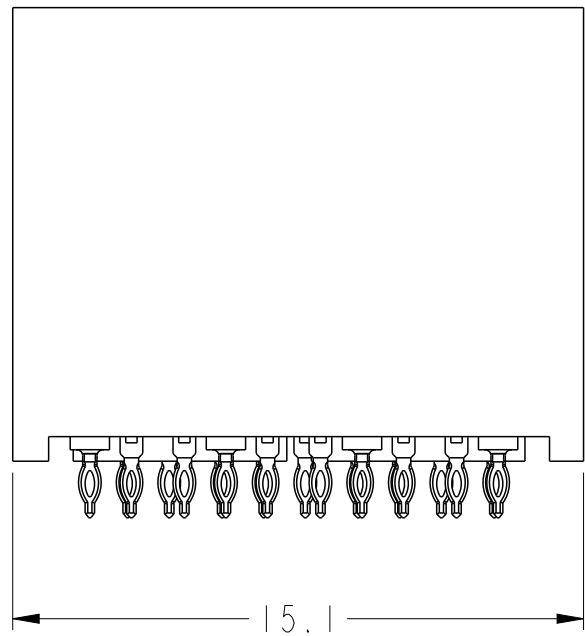
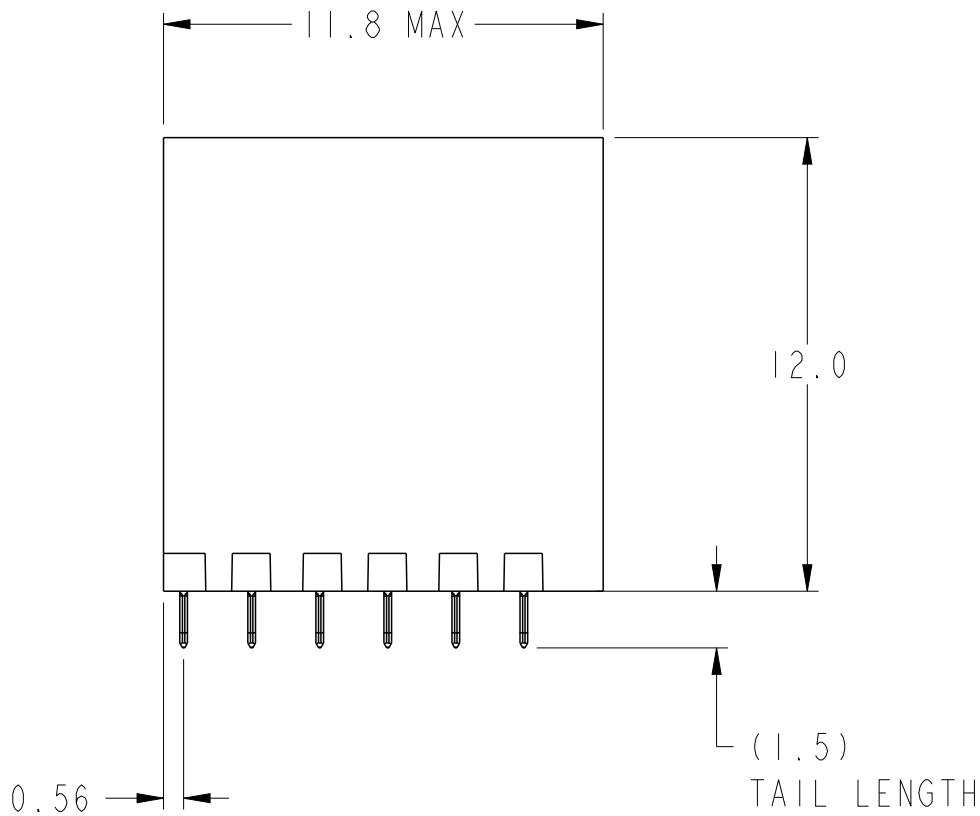
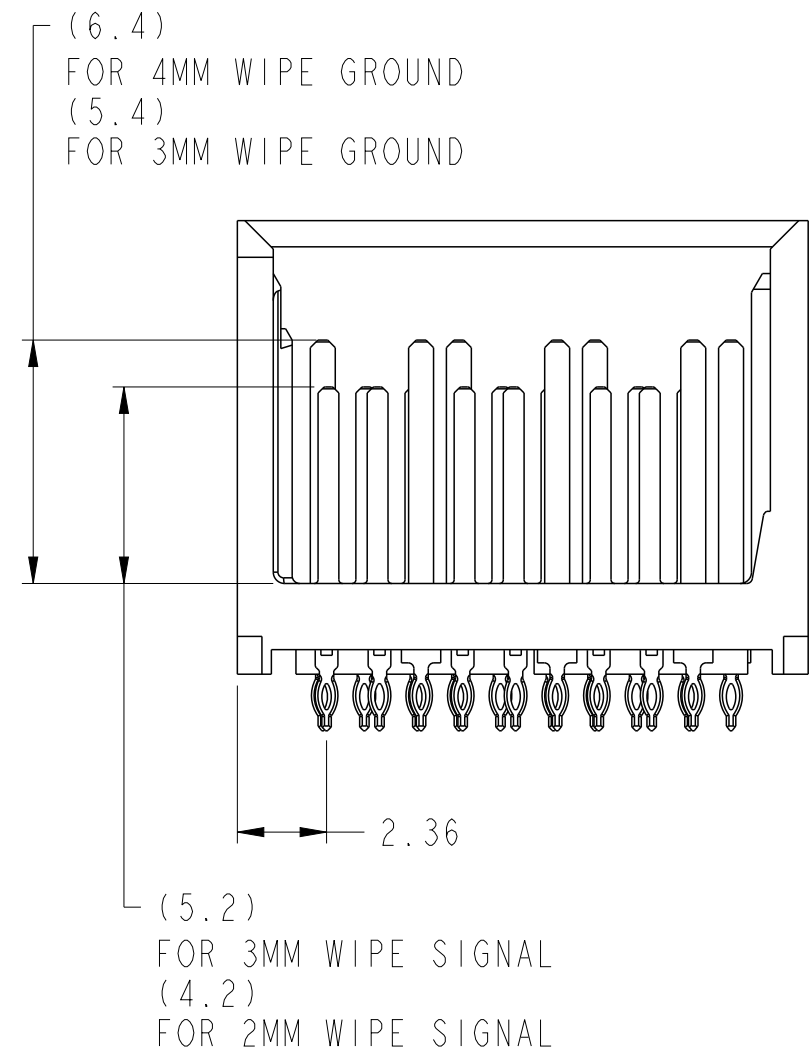
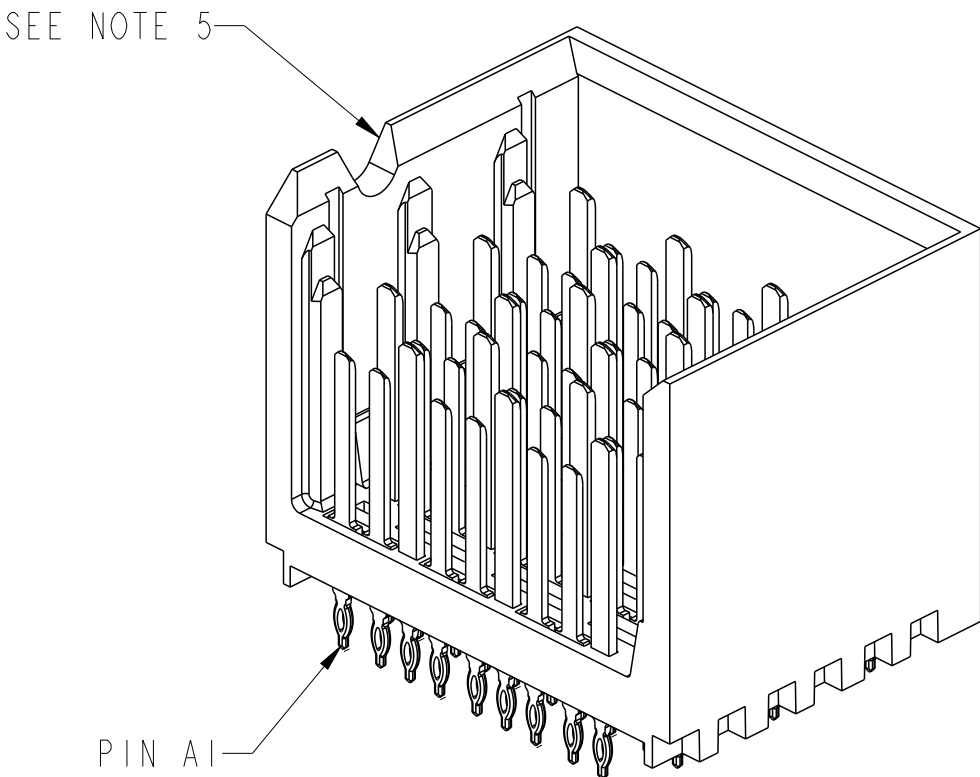
PDS: Rev :C

STATUS:Released

Printed: Jun 05, 2017



RIGHT WALL MODULE



BP HOLE PATTERN COMPONENT SIDE

RIGHT WALL MODULE BACKPLANE FOOTPRINT

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spec ref -				dr	Marty Glass	2012/02/03	projection 	MM 	size	A2	scale	5:1	
tolerance std				eng	Michael Song	2017/05/24			ecn no	ELX-DG-27080-1			
ISO 406 ISO 1101				chr	Stone Li	2017/06/05			rel level Released				
TOLERANCES UNLESS OTHERWISE SPECIFIED				appr	Heaven Cen	2017/06/05	product family		XCEDE HD				
surface 	linear	0.X	±0.3	Amphenol FCi	title	XCEDE HD VERTICAL HEADER 3 PAIR, 6 COLUMN STITCH HEADER				dwg no	10119128		rev C
		0.XX	±0.10										
		0.XXX	±0.05										
	angular	0°	±2°			www.fci.com	cat. no.	-	Product - Customer Drw				

A

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D

E

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A

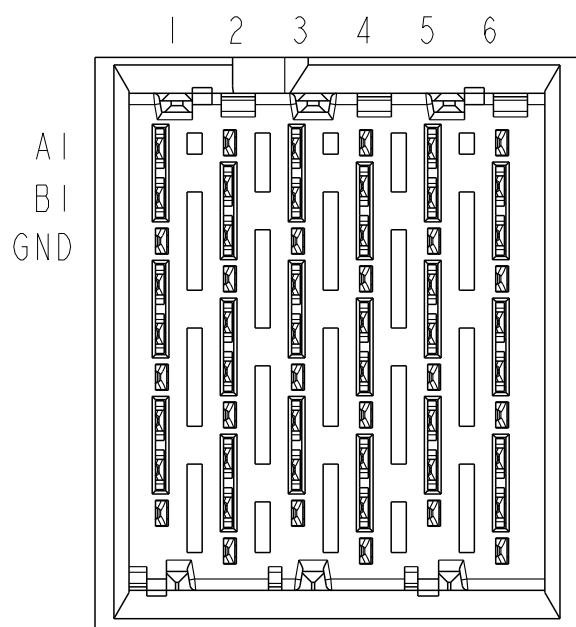
B

C

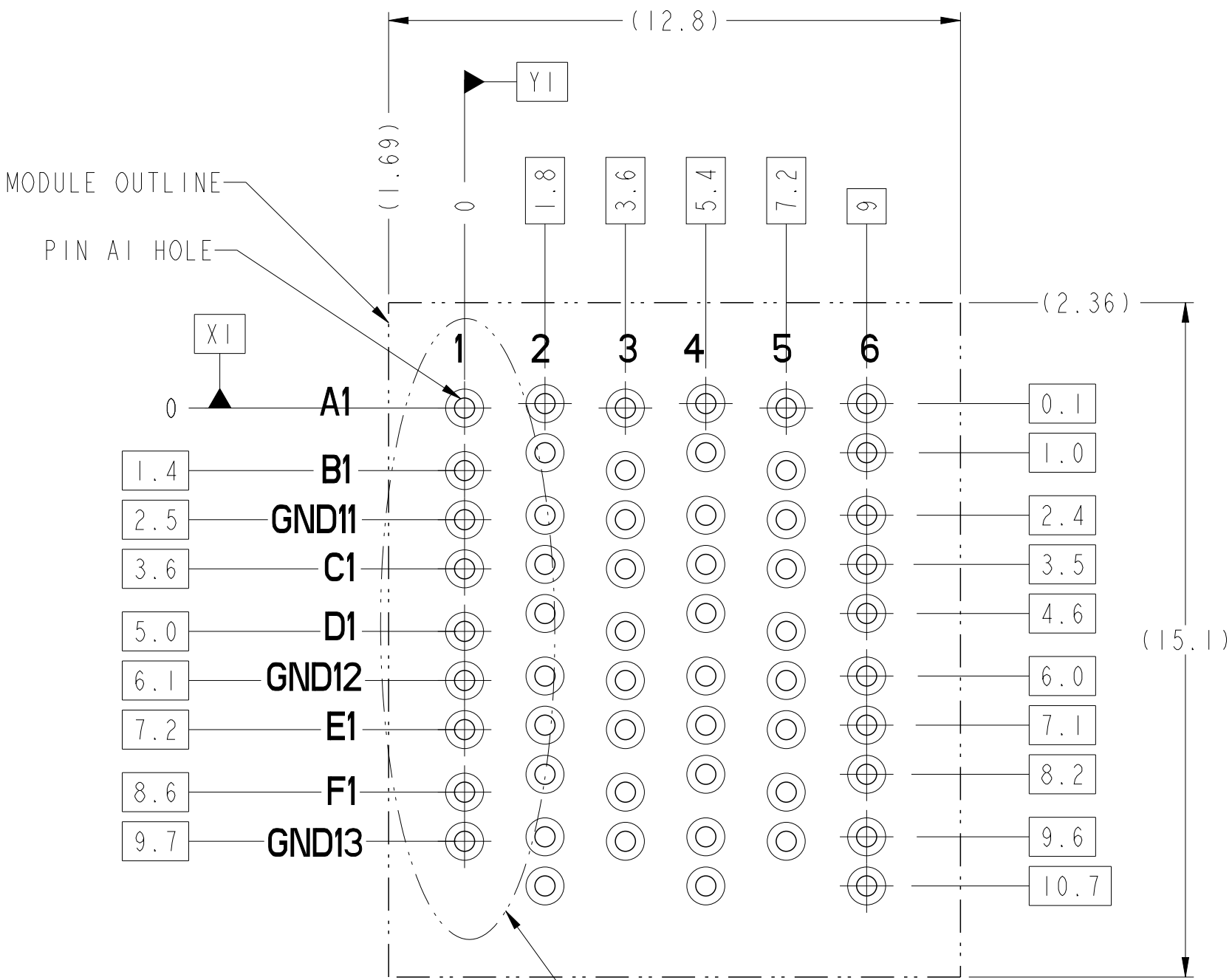
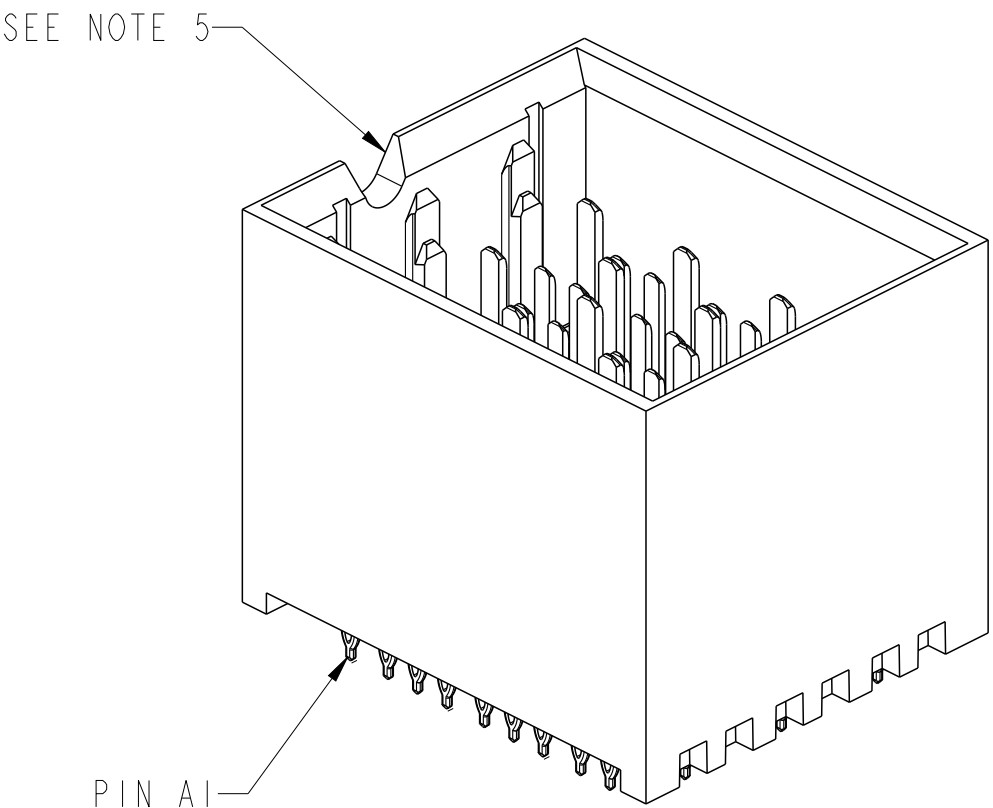
D

E

F

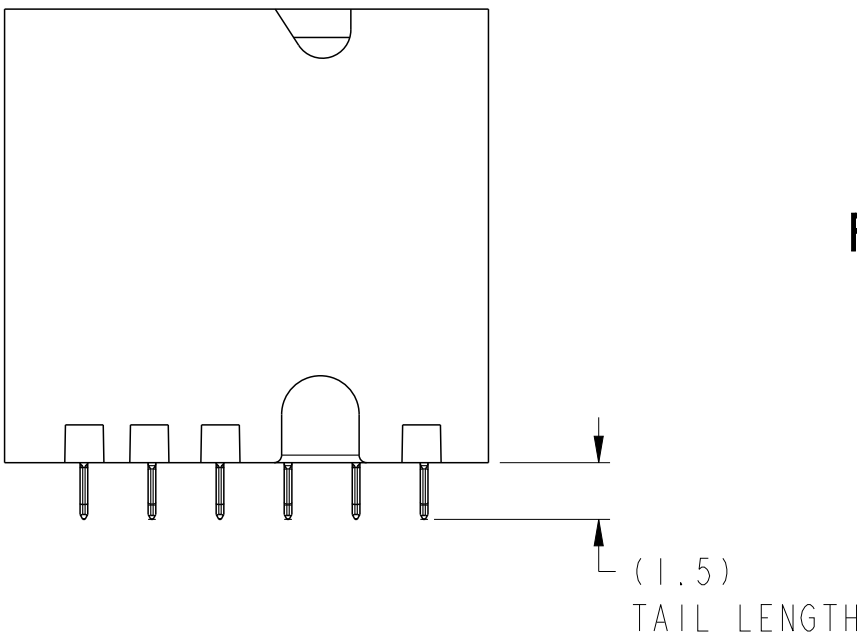
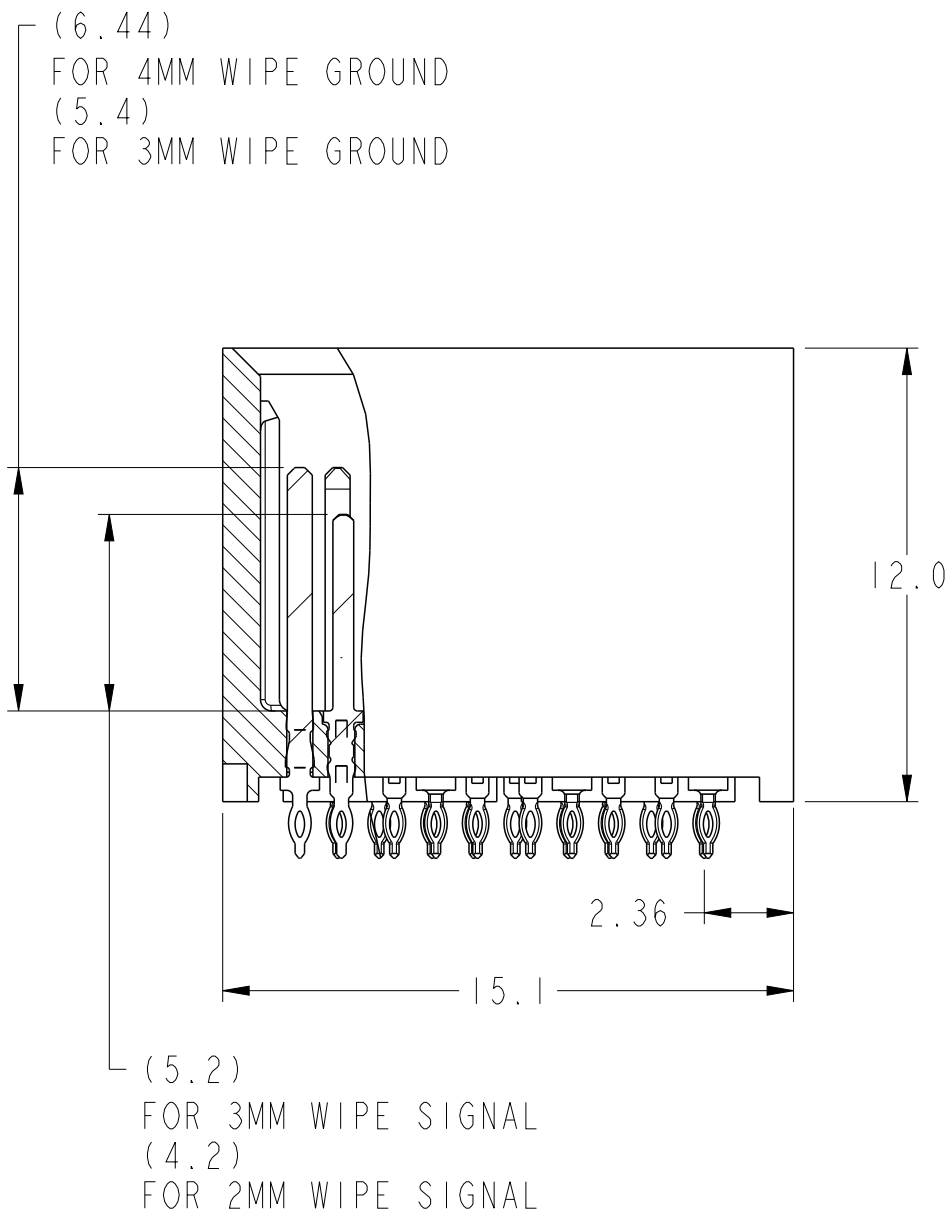
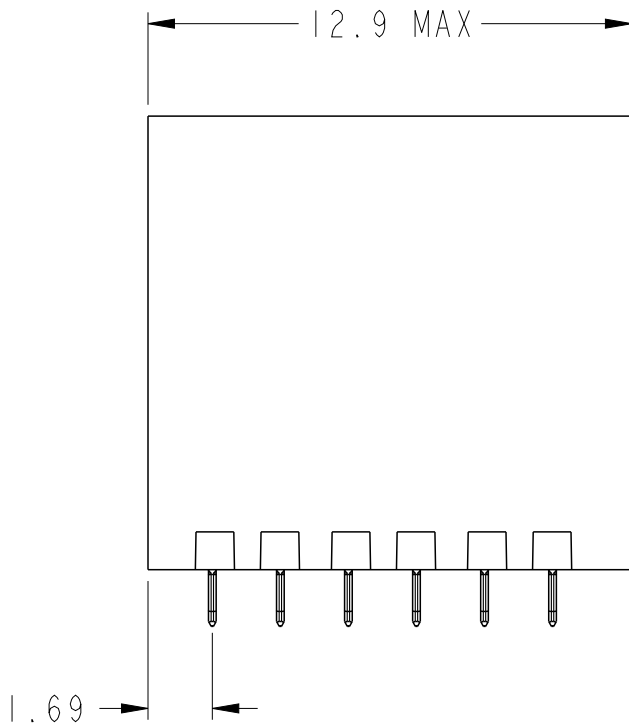


FOUR WALL MODULE



BP HOLE PATTERN COMPONENT SIDE

FOUR WALL MODULE BACKPLANE FOOTPRINT



spec ref	-	dr	Marty Glass	2012/02/03	projection	MM	size	A2	scale	5:1
tolerance std	ISO 406 ISO 1101	eng	Michael Song	2017/05/24		←	ecn no	ELX-DG-27080-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Stone Li	2017/06/05			rel level	Released		
		appr	Heaven Cen	2017/06/05			product family	XCEDE HD		
surface	ISO 1302	linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	angular	0° ±2°	Amphenol FCI		title	XCEDE HD VERTICAL HEADER 3 PAIR, 6 COLUMN STITCH HEADER	
		www.fci.com		cat. no.	-	Product - Customer Drw	sheet 5 of 8	rev	C	

A

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A

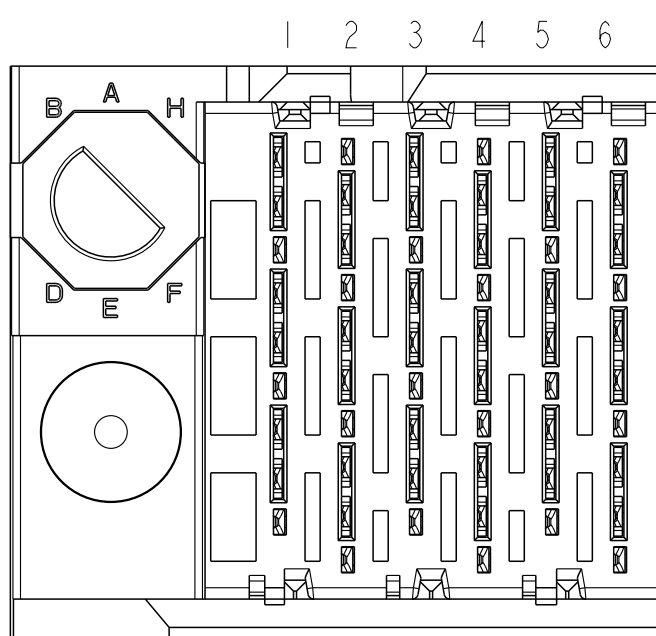
B

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D

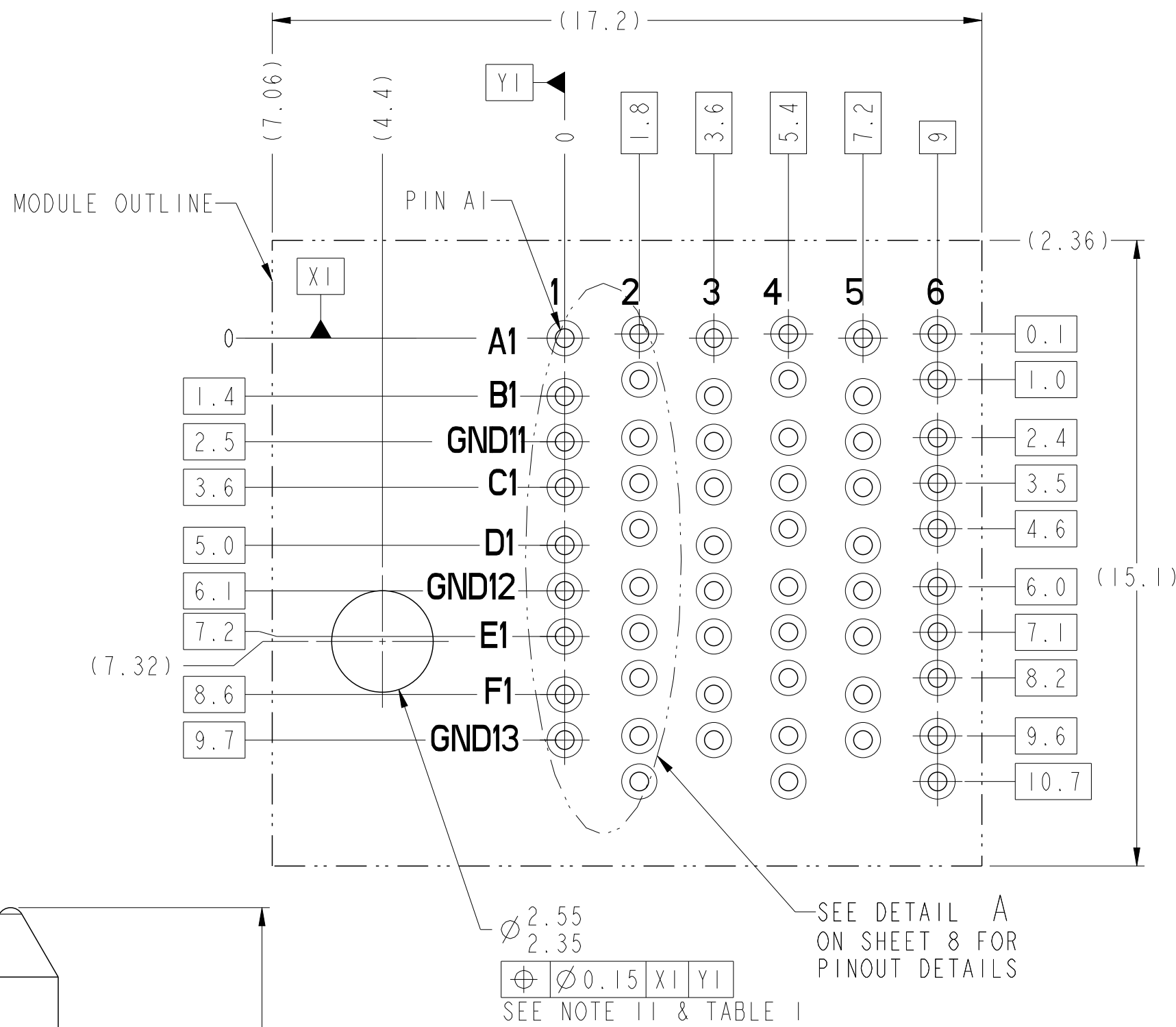
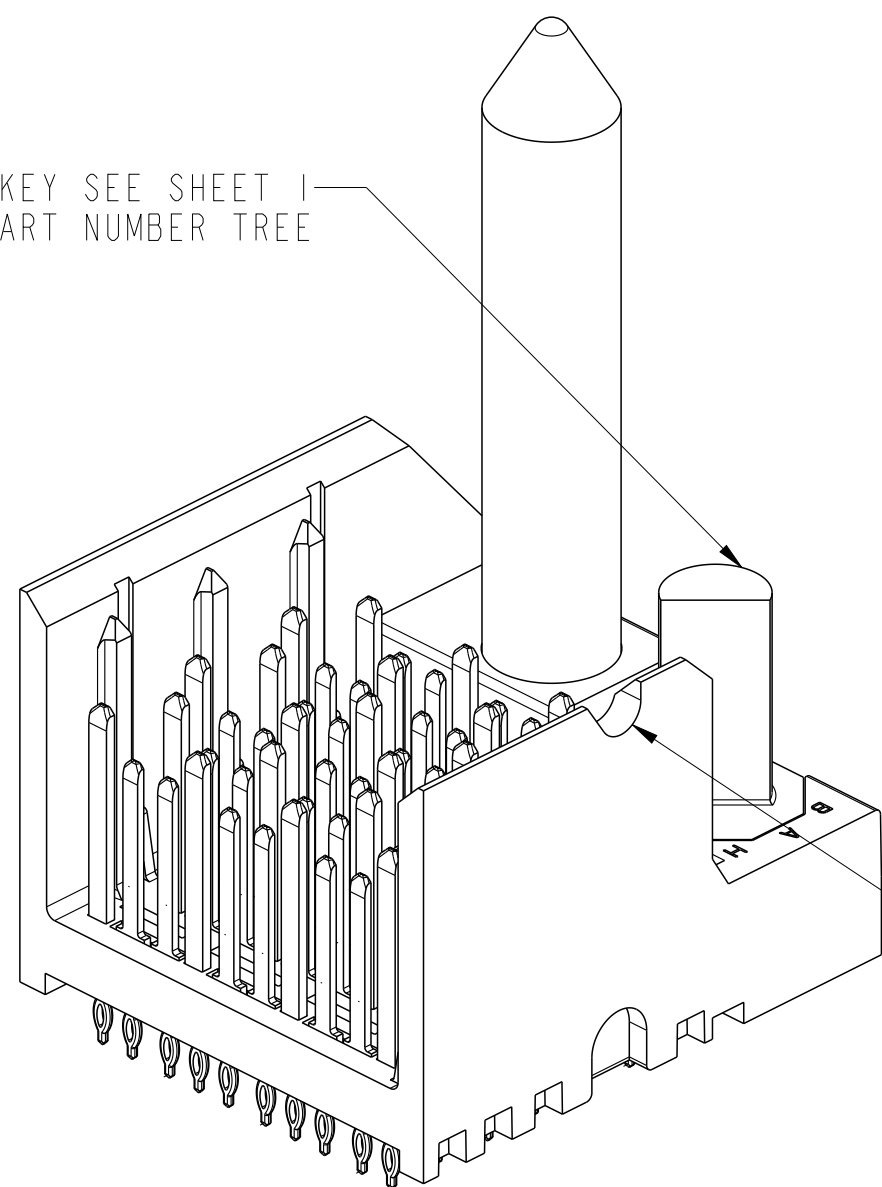
E

F



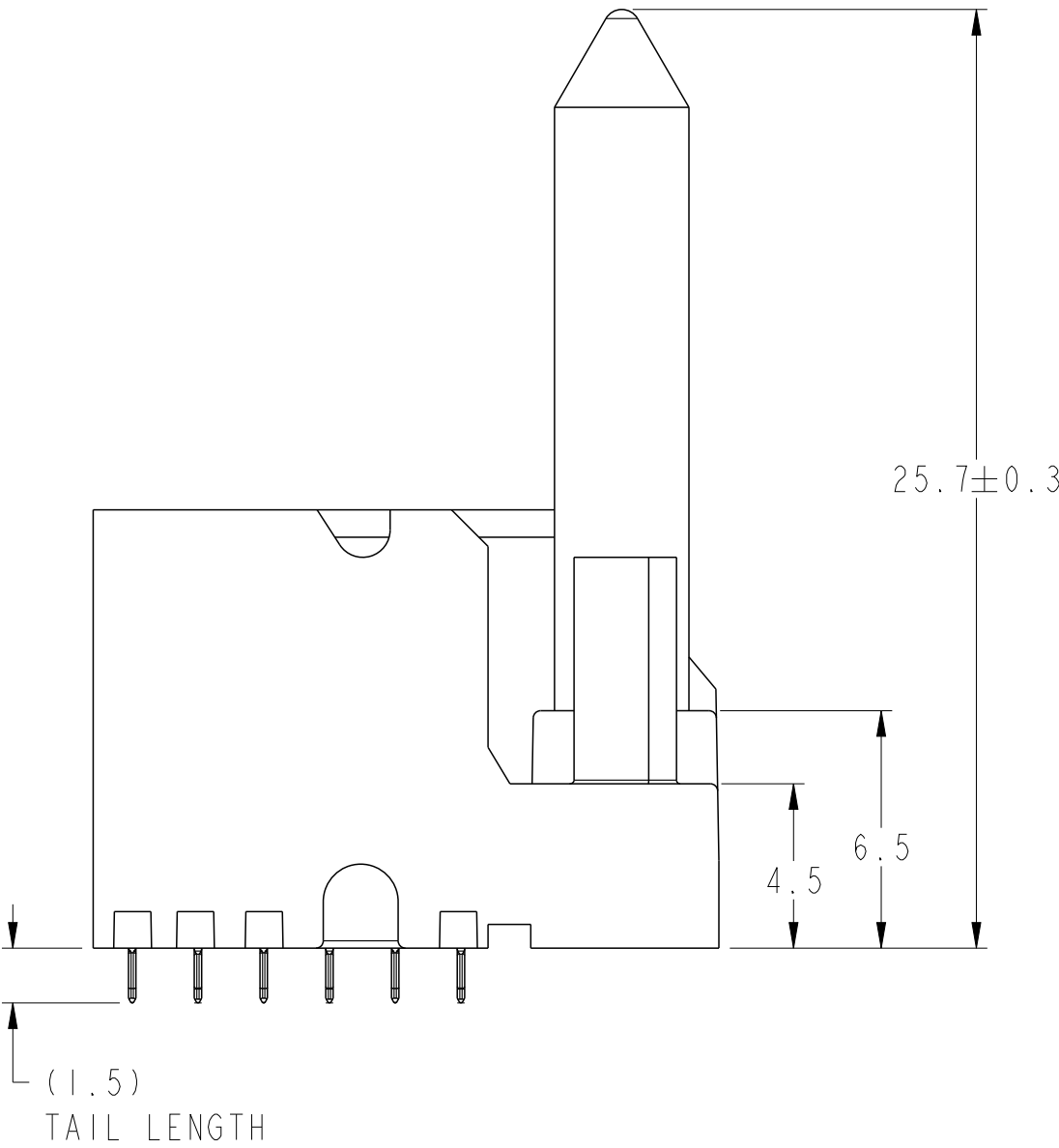
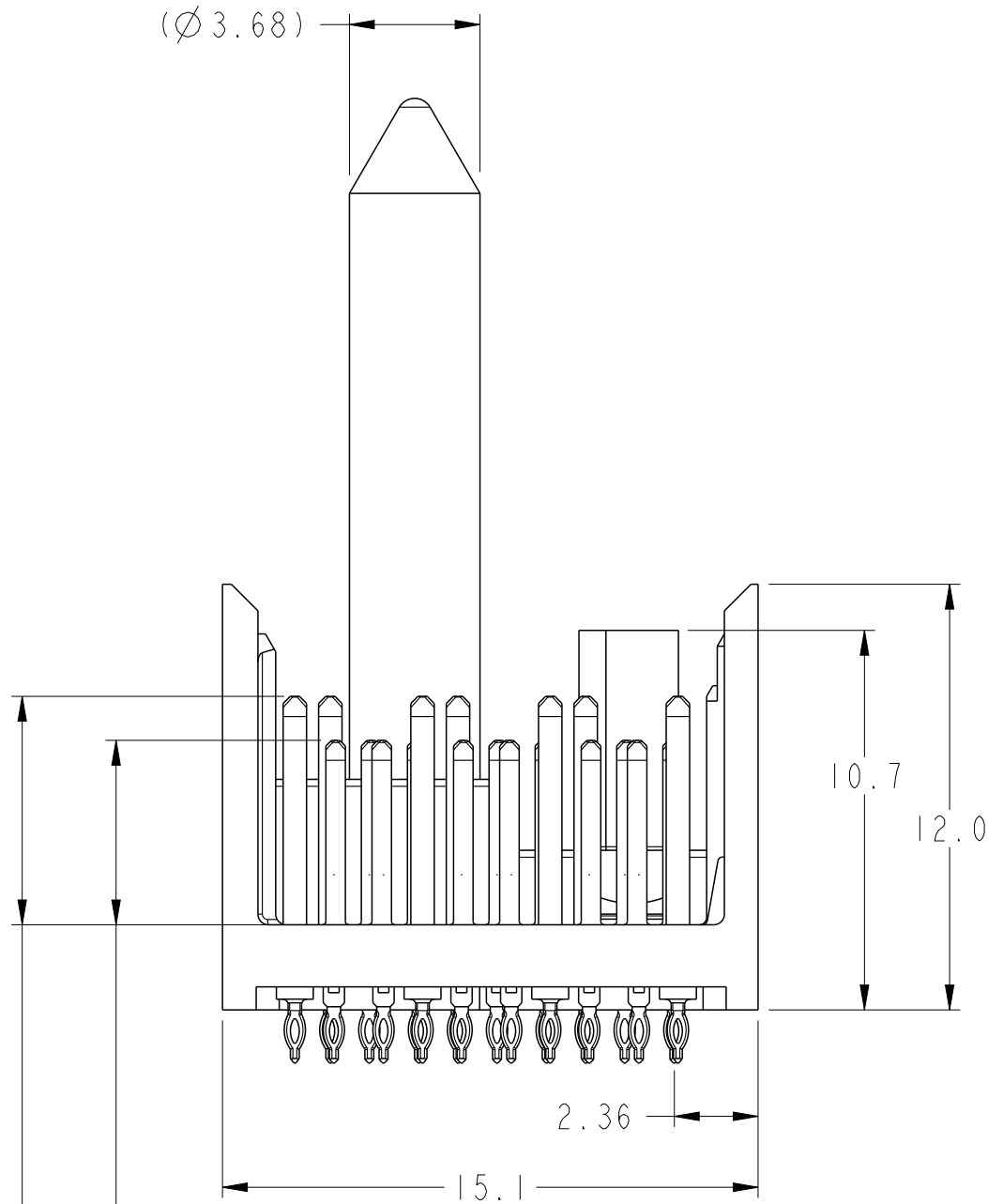
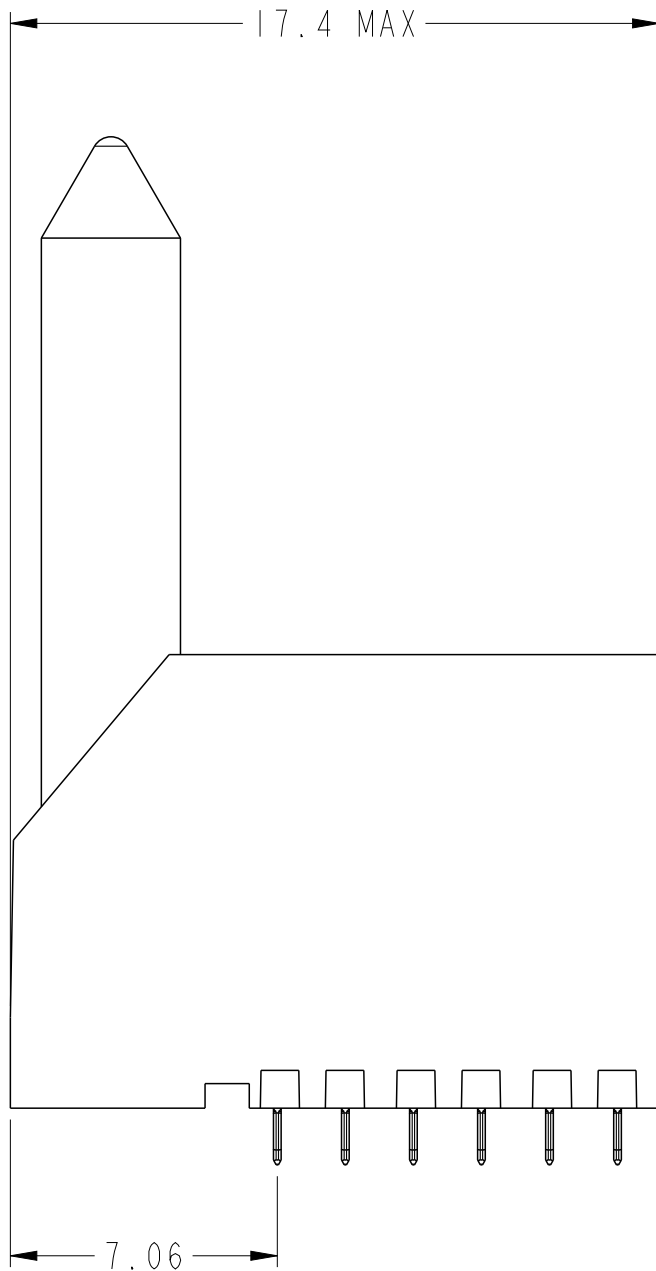
LEFT POLARIZING / GUIDE MODULE

OPTIONAL KEY SEE SHEET 1
PART NUMBER TREE



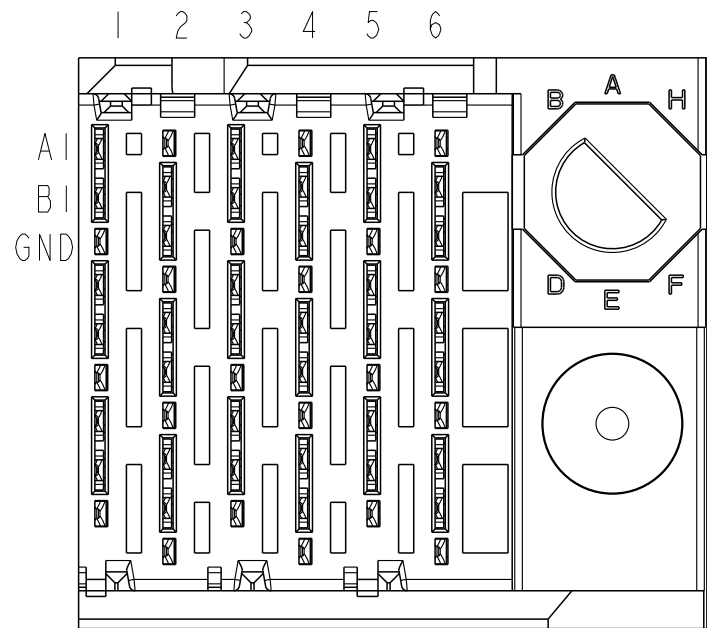
BP HOLE PATTERN COMPONENT SIDE

LEFT POLARIZING / GUIDE MODULE
BACKPLANE FOOTPRINT



(6.4)
FOR 4MM WIPE GROUND
(5.4)
FOR 3MM WIPE GROUND

spec ref	-	dr	Marty Glass	2012/02/03	projection	MM	size	A2	scale	5:1
tolerance std	ISO 406 ISO 1101	eng	Michael Song	2017/05/24	chr	Stone Li	ecn no	ELX-DG-27080-1	rel level	Released
surface	ISO 1302	appr	Heaven Cen	2017/06/05	product family	XCEDE HD	rel level	Released	rev	C
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	Amphenol FCI	title	XCEDE HD VERTICAL HEADER 3 PAIR, 6 COLUMN STITCH HEADER	cat. no.	-	Product - Customer Drw	sheet 6 of 8		
angular	0° ±2°	www.fci.com								

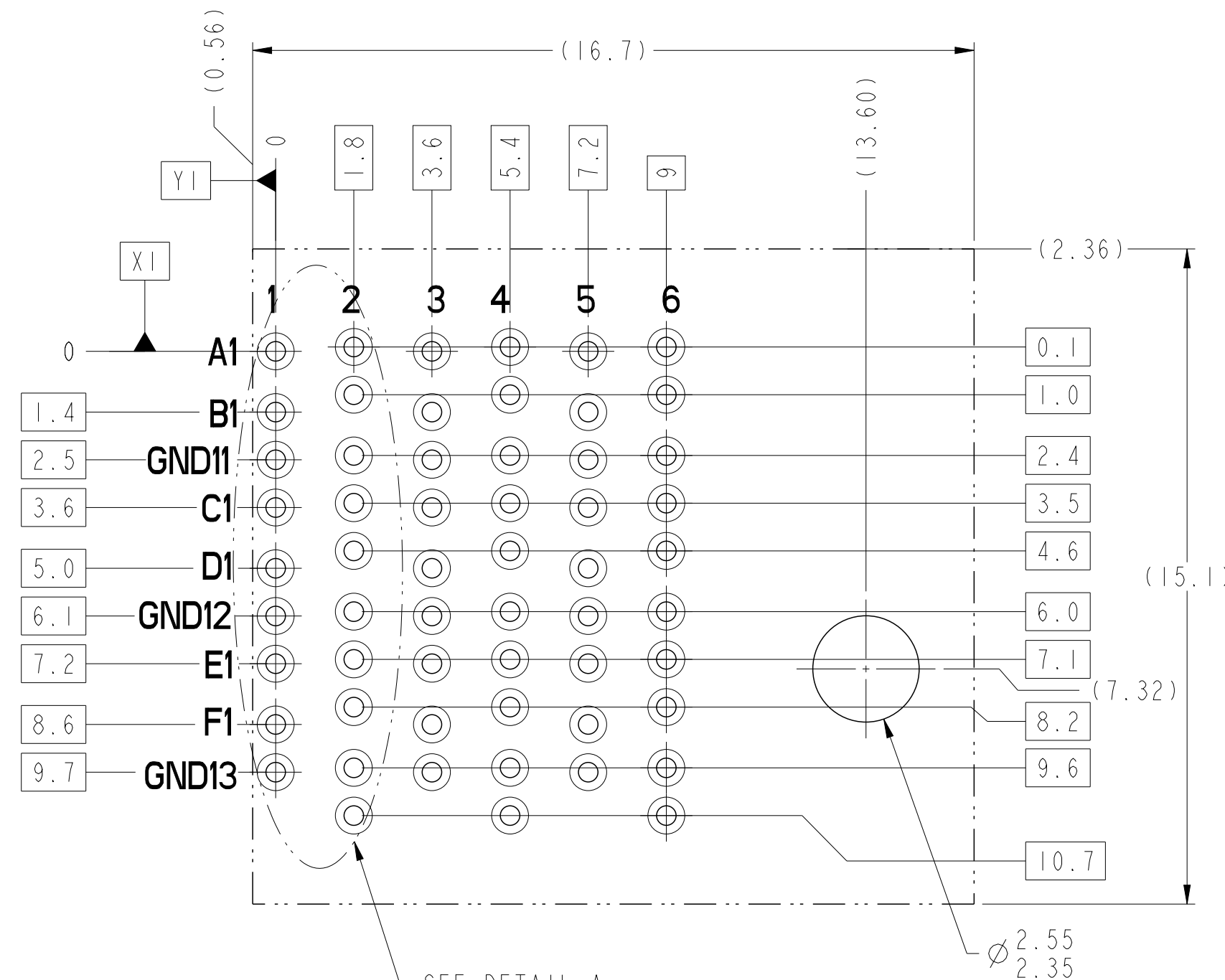
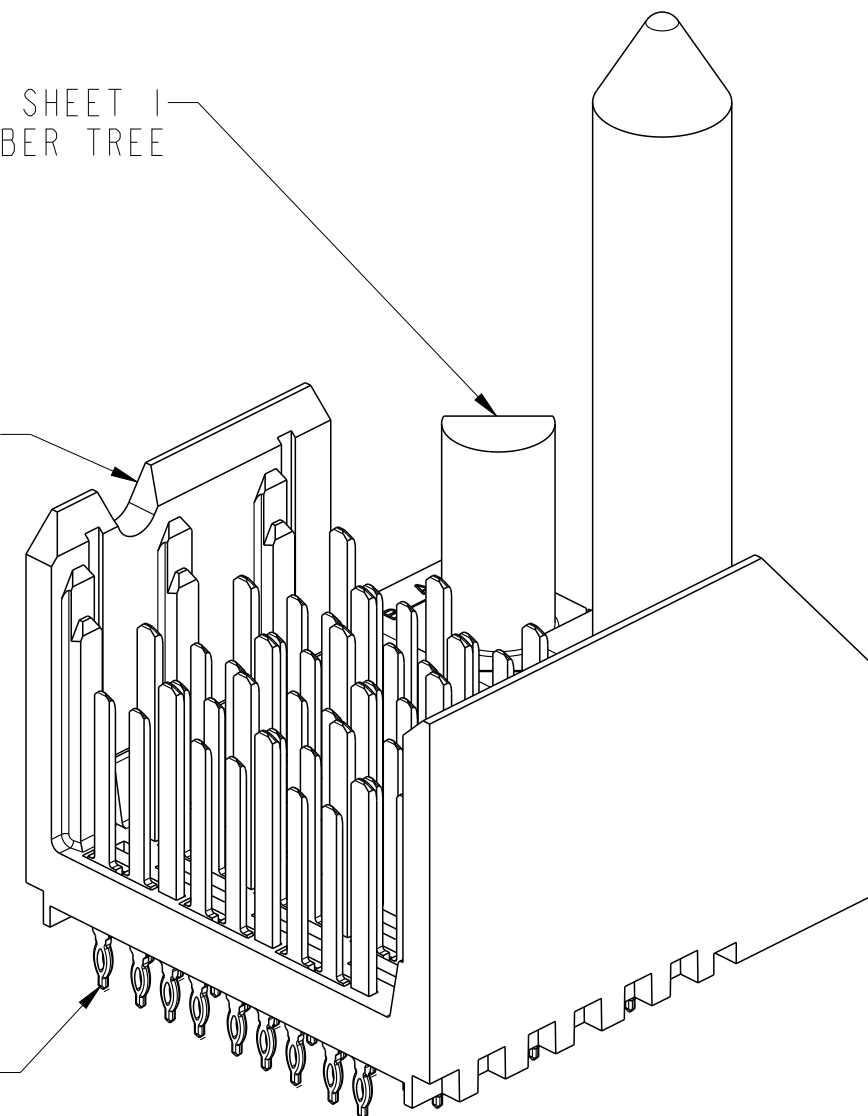


RIGHT POLARIZING / GUIDE MODULE

OPTIONAL KEY SEE SHEET 1
PART NUMBER TREE

SEE NOTE 5

PIN A1

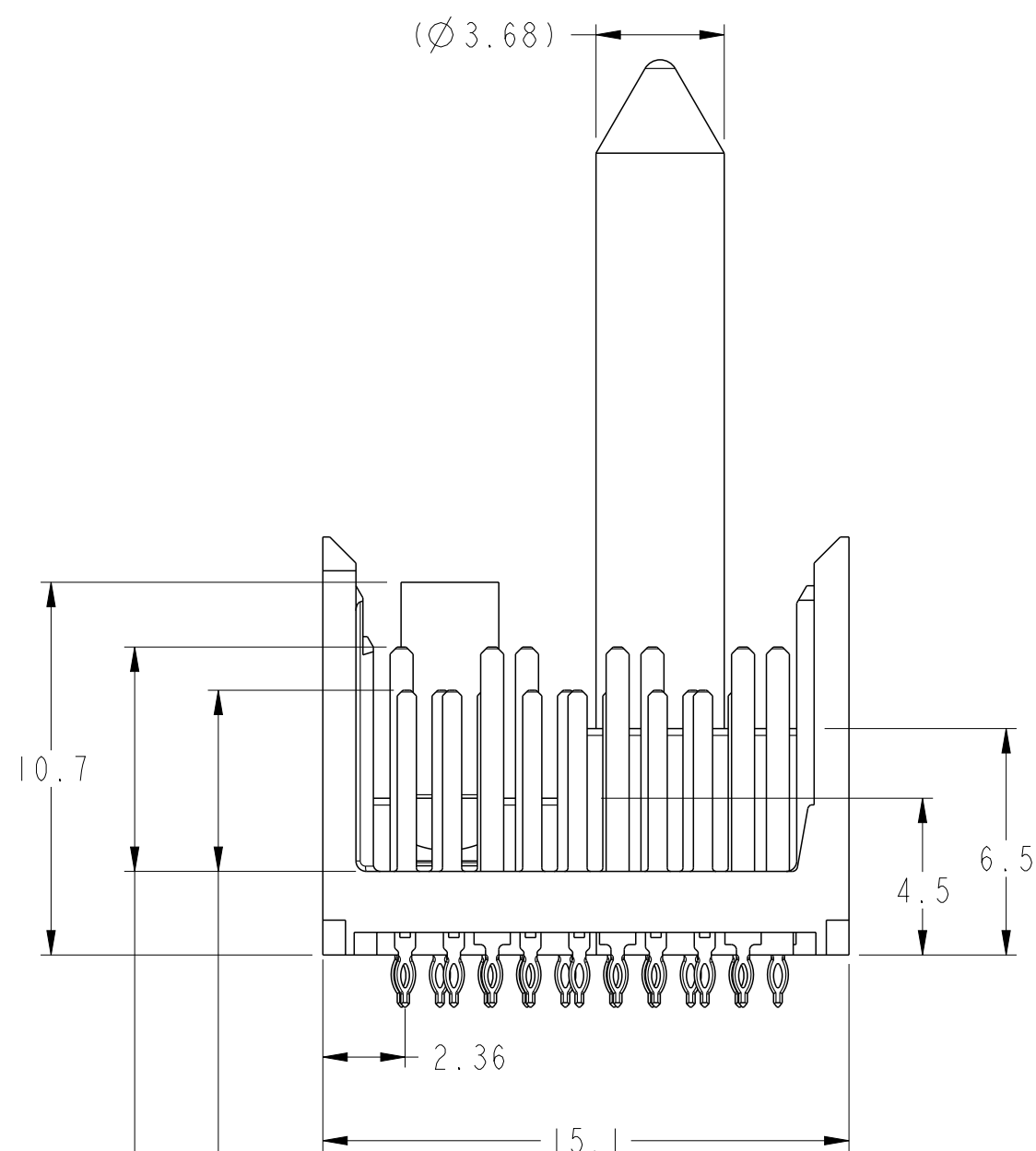
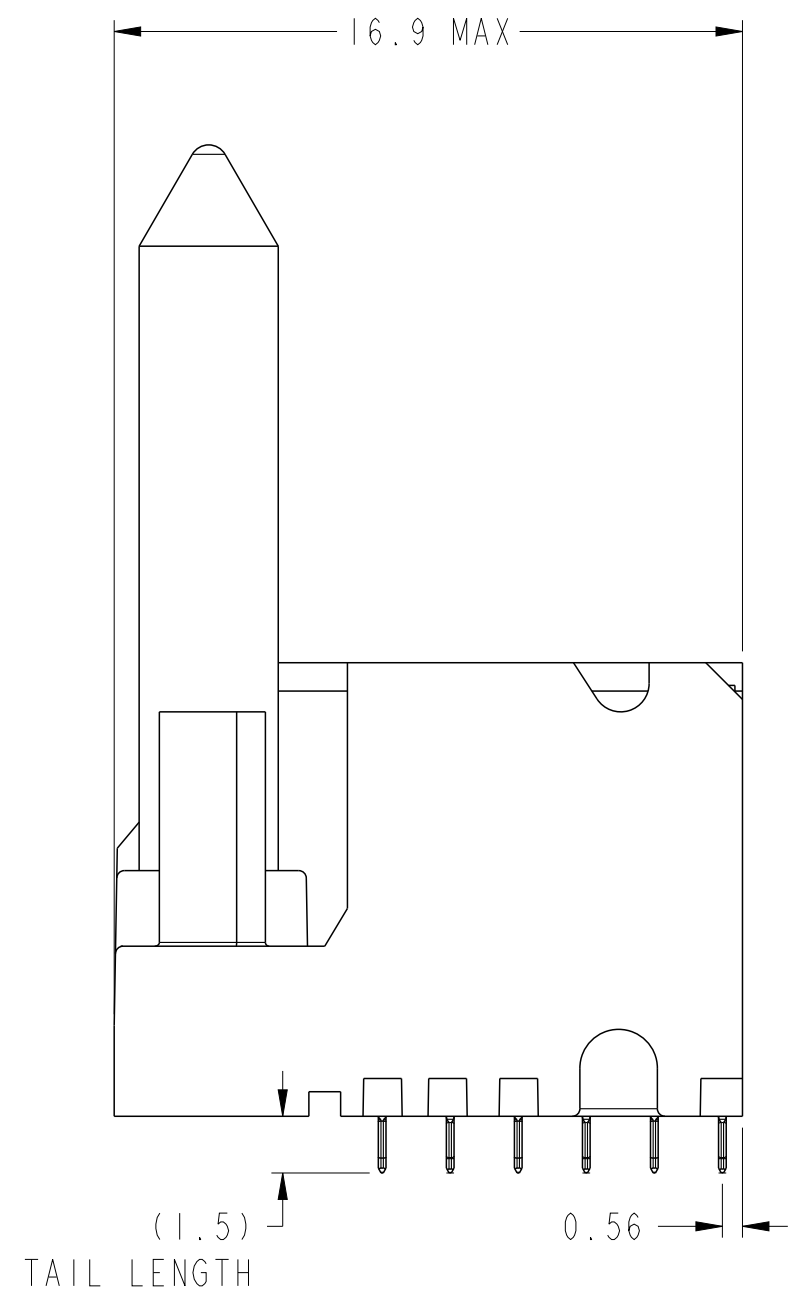


SEE DETAIL A
ON SHEET 8 FOR PINOUT DETAILS

⌀ 2.55
2.35
⌀ 0.15 XI YI
SEE NOTE 11 &
TABLE 1

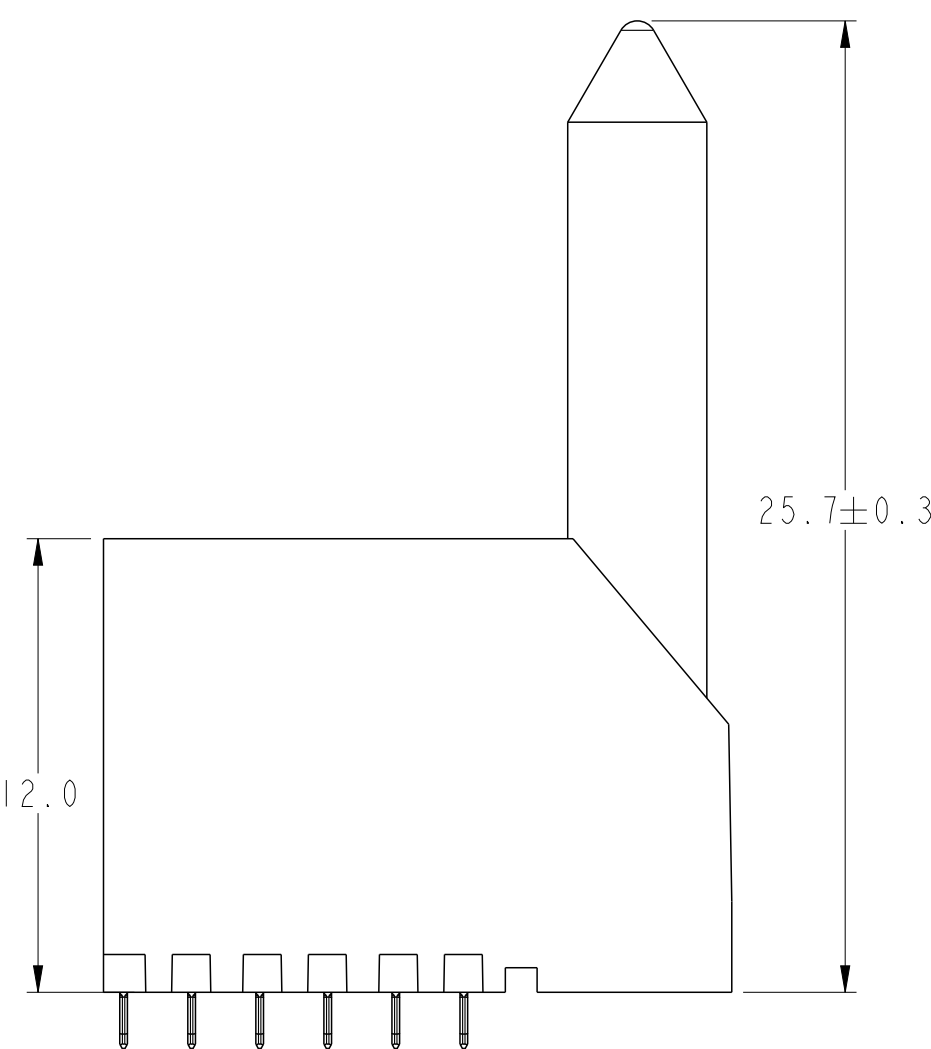
BP HOLE PATTERN COMPONENT SIDE

RIGHT POLARIZING / GUIDE MODULE
BACKPLANE FOOTPRINT



(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	Marty Glass	2012/02/03	projection	MM	size	A2	scale	5:1
tolerance std	ISO 406 ISO 1101	eng	Michael Song	2017/05/24	chr	Stone Li	ecn no	ELX-DG-27080-1	rel level	Released
surface	ISO 1302	chr	Heaven Cen	2017/06/05	appr	Heaven Cen	product family	XCEDE HD	rel level	Released
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	title	XCEDE HD VERTICAL HEADER 3 PAIR, 6 COLUMN STITCH HEADER			dwg no	10119128			rev
angular	0° ±2°	www.fci.com	cat. no.			Product - Customer Drw			sheet 7 of 8	

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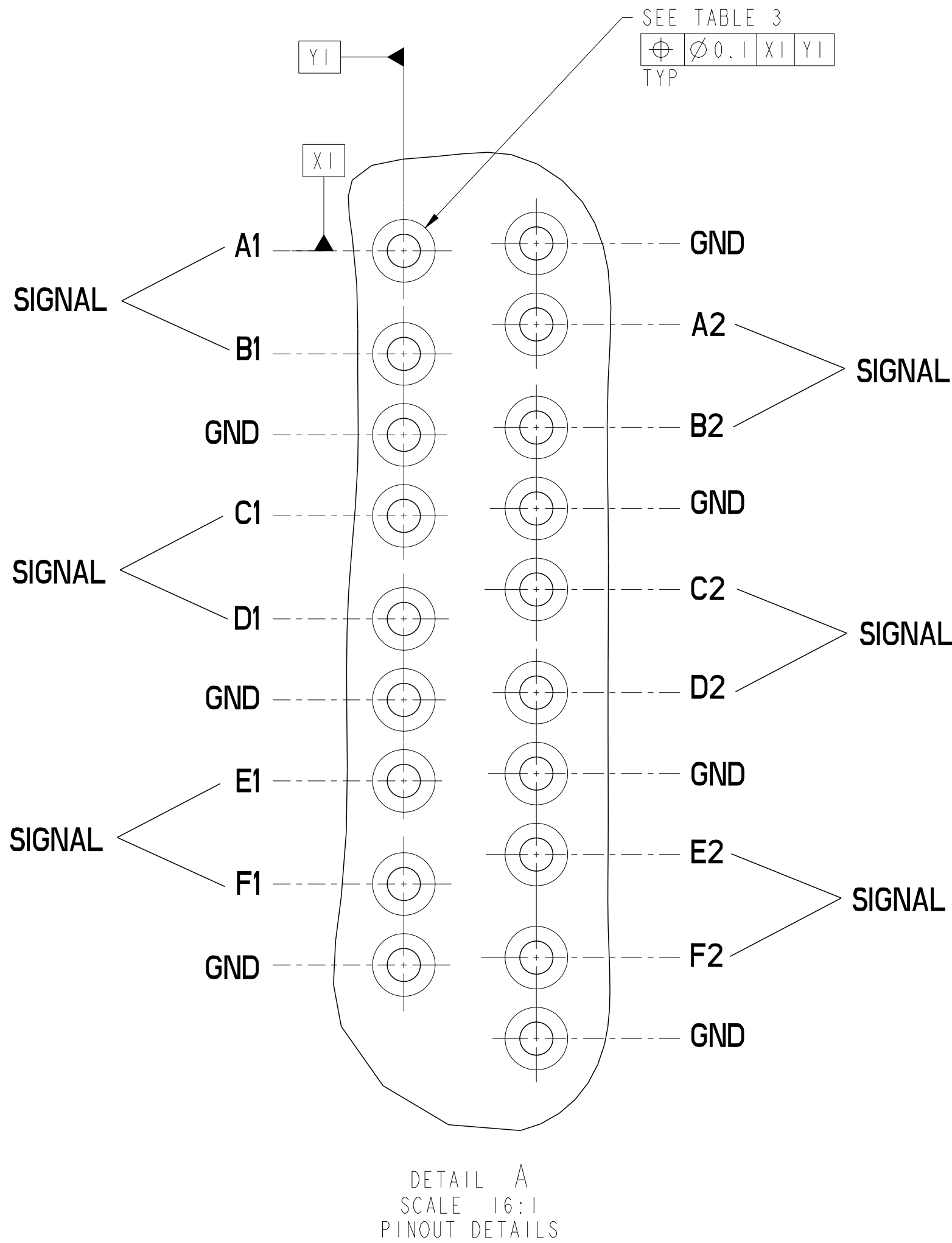


TABLE 3		
	COMPLIANT PIN DRILL Ø0.55[0.0217"]	COMPLIANT PIN DRILL Ø0.45[0.0117"]
PTH	Ø0.45±0.05	Ø0.36±0.05
DRILL	Ø0.55[0.0217"]	Ø0.45[0.0117"]
PAD	Ø0.85	Ø0.75

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 (10119128-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.
- 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	Marty Glass	2012/02/03	projection	MM	size	A2	scale	5:1		
tolerance std				eng	Michael Song	2017/05/24			ecn no	ELX-DG-27080-1				
ISO 406 ISO 1101				chr	Stone Li	2017/06/05			rel level Released					
TOLERANCES UNLESS OTHERWISE SPECIFIED				appr	Heaven Cen	2017/06/05	product family		XCEDE HD					
surface	linear	0.X	±0.3	Amphenol FCi	title	XCEDE HD VERTICAL HEADER				dwg no	10119128		rev	C
		0.XX	±0.10											
		0.XXX	±0.05											
	angular	0°	±2°			www.fci.com		cat. no.	-		Product - Customer Drw			