

10119128 - X0C - XXXLF

LEAD-FREE DESIGNATION ONLY WITH APPLICABLE PLATING CODES

6-COLUMN DIFFERENTIAL SIGNAL

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)										

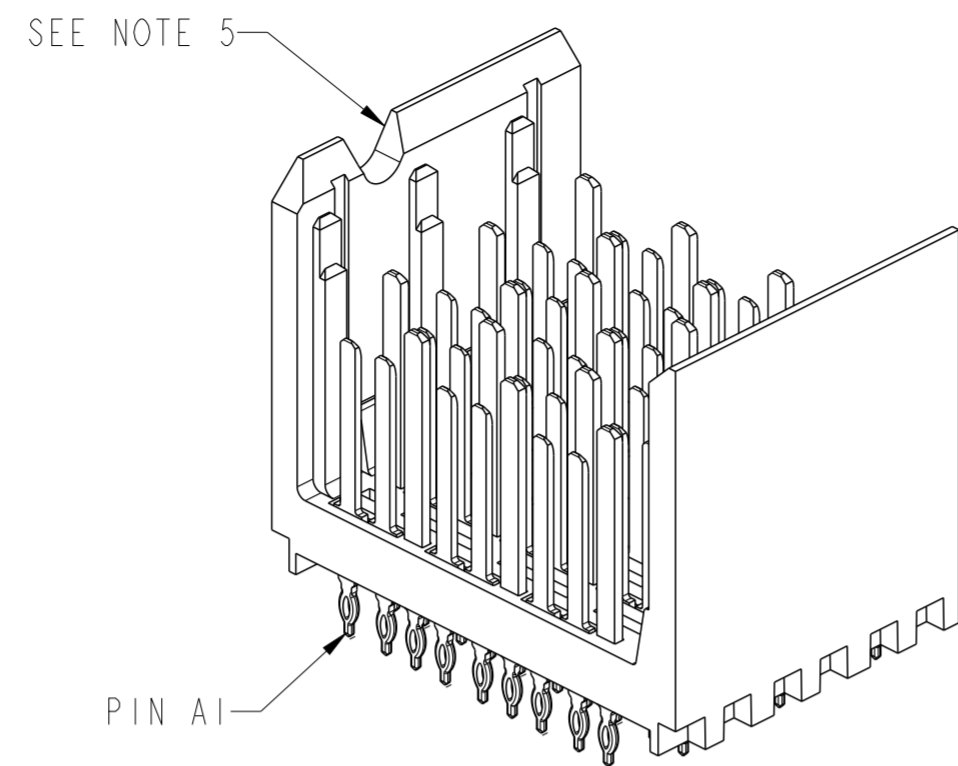
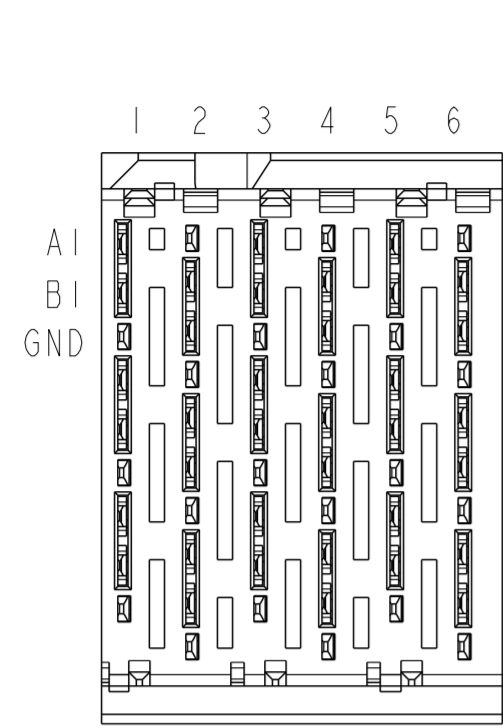
NUMBER	CONTACT MATING WIPE LENGTH		COMPLIANT TAIL TYPE (SEE NOTE 9)
	SIGNAL	GROUND	
1	2 MM	4 MM	0.55 (0.0217") DRILL
2	3 MM	4 MM	0.55 (0.0217") DRILL
3	2 MM	4 MM	0.45 MICRO (0.0177") DRILL
4	3 MM	4 MM	0.45 MICRO (0.0177") DRILL
5	2 MM	3 MM	0.55 (0.0217") DRILL
6	3 MM	3 MM	0.55 (0.0217") DRILL
7	2 MM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

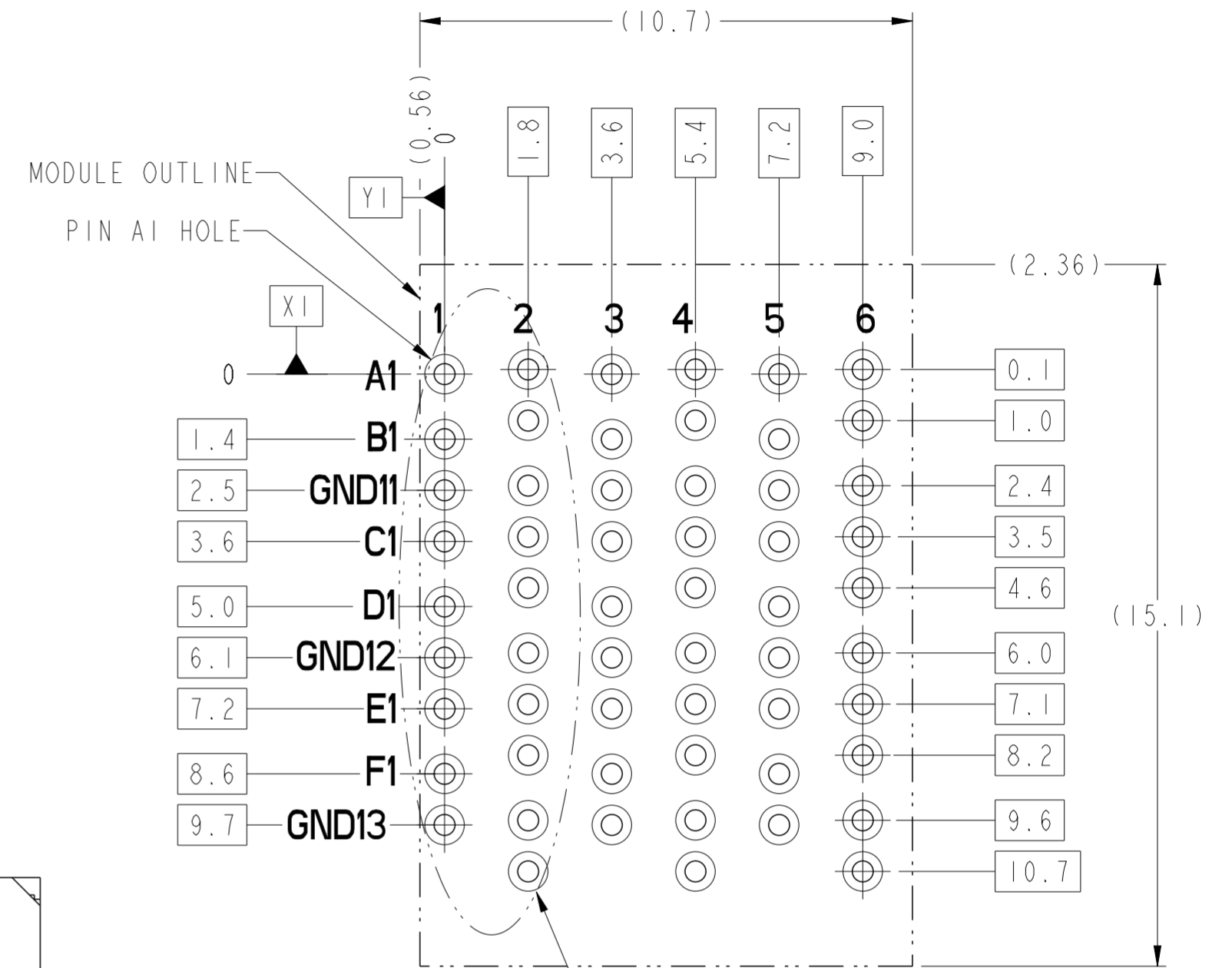
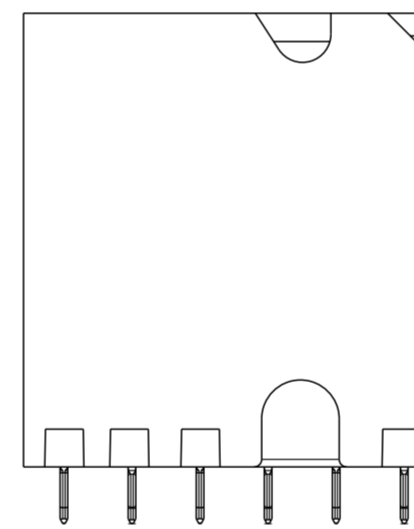
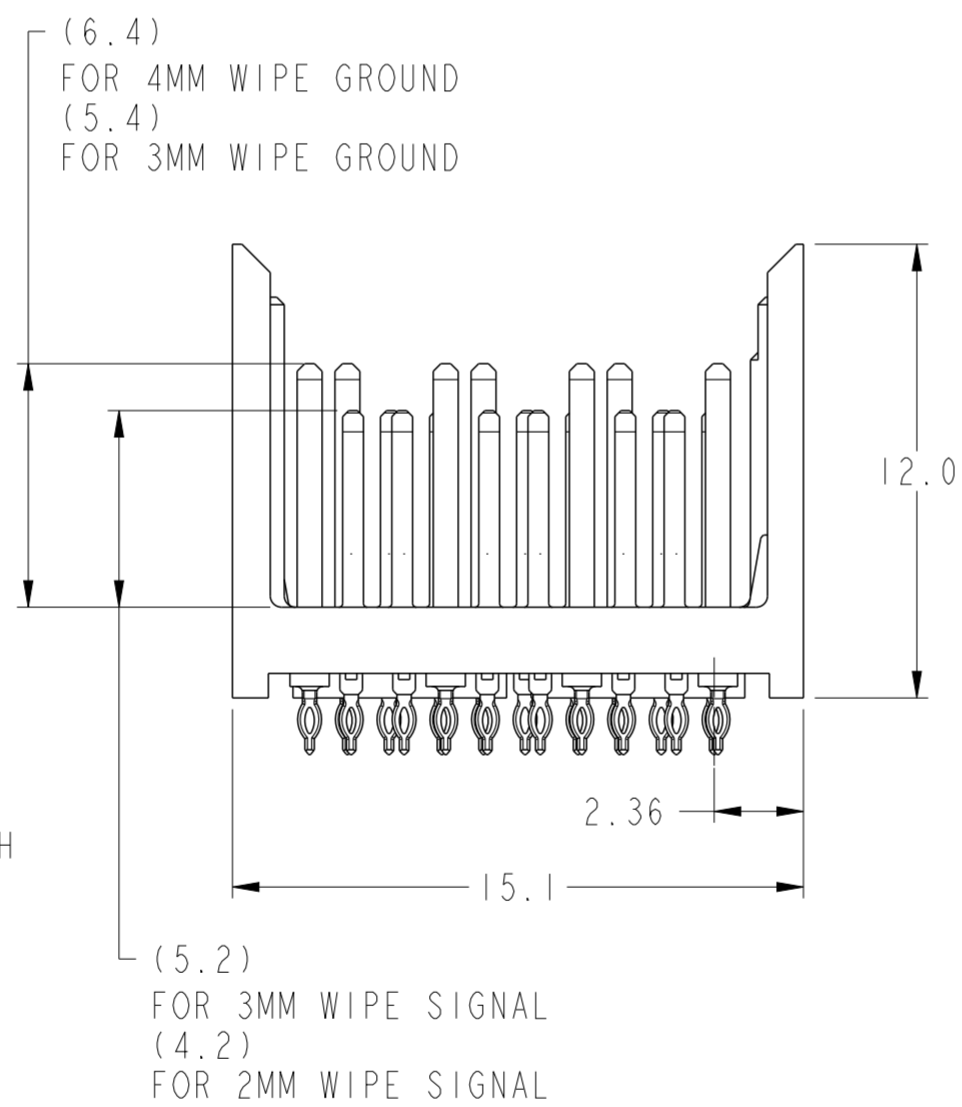
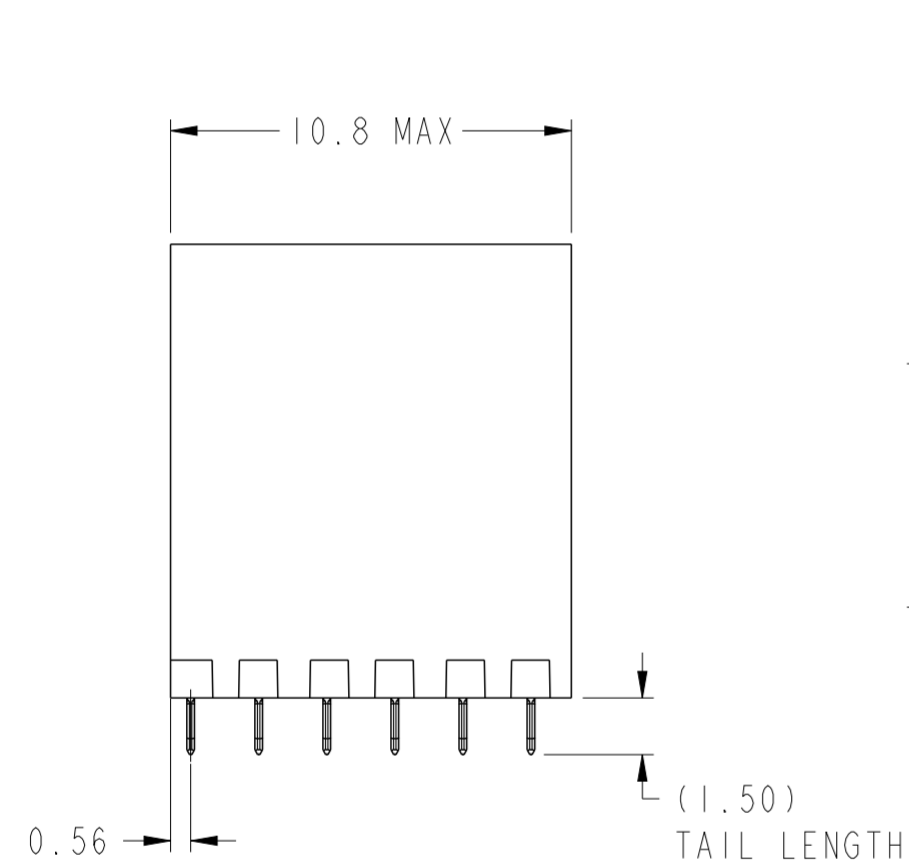
	UNGROUND	GROUND
FHS	Ø2.35-Ø2.55	Ø2.35-Ø2.55
PAD	N/A	Ø5.50
PLATED	NO	YES
DRILL(mm)	2.44mm	2.58mm
DRILL(in)	0.096"	0.1015"

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	-	dr	Mary Glass	2012/02/02	projection	MM	size	A2	scale	5:1	
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20		←	ecn no	ELX-8-14229-1	rel level	Released	
surface	ISO 1302	chr	-	appr							Chen-Hong Tan
TOLERANCES UNLESS OTHERWISE SPECIFIED		FCI		TITLE		XCED HD VERTICAL HEADER		3 PAIR, 6 COLUMN STITCH HEADER		rev	B
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	angular	0° ±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 1 of 8			



OPEN WALL MODULE

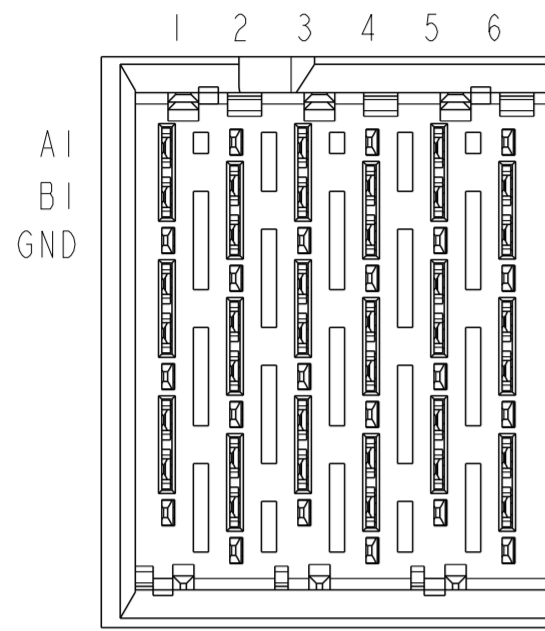


SEE DETAIL A ON SHEET 8 FOR PINOUT DETAILS

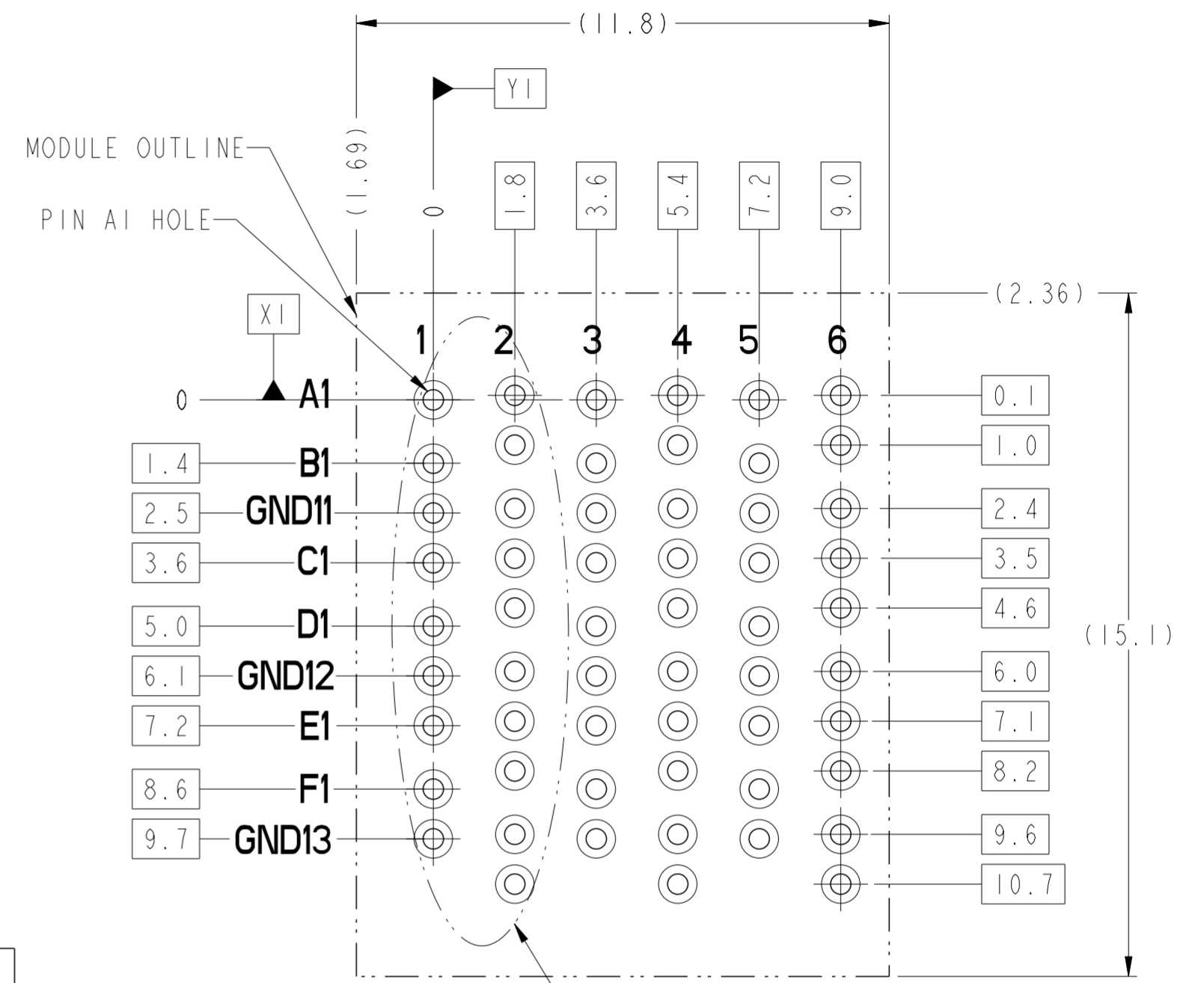
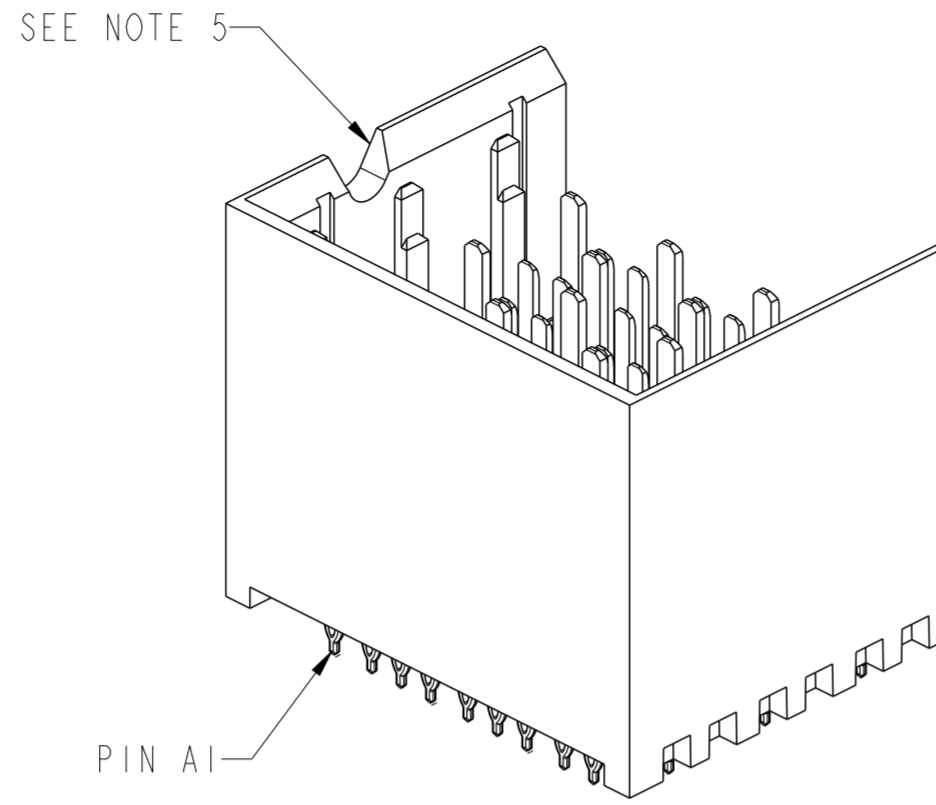
BP HOLE PATTERN COMPONENT SIDE

OPEN WALL MODULE BACKPLANE FOOTPRINT

spec ref	-	dr	Mary Glass	2012/02/02	projection	MM	size	A2	scale	5:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20			ecn no	ELX-S-14229-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr			Chen-Hong Tan	2013/04/09	product family	XCEDE HD
surface	ISO 1302	linear	0.X	±0.3		XCED HD VERTICAL HEADER 3 PAIR, 6 COLUMN STITCH HEADER	dwg no	10119128		
		0.XX	±0.10	www.fci.com			cat. no.	-	Product - Customer Drw	sheet 2 of 8
		0.XXX	±0.05							
		angular	0°	±2°						



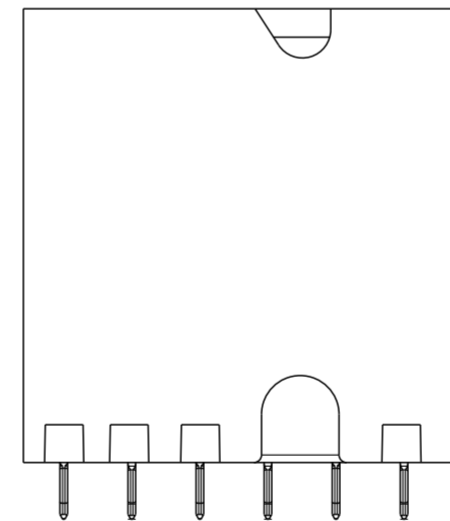
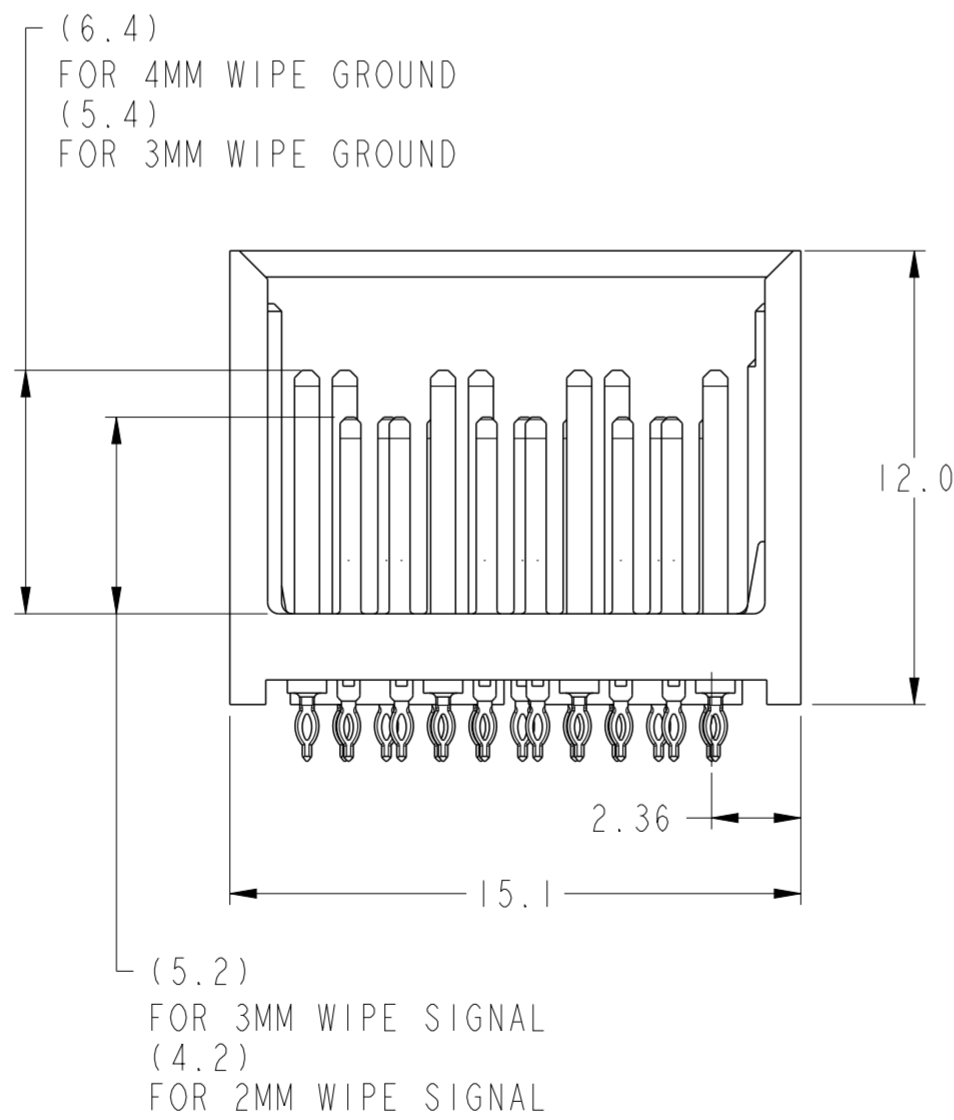
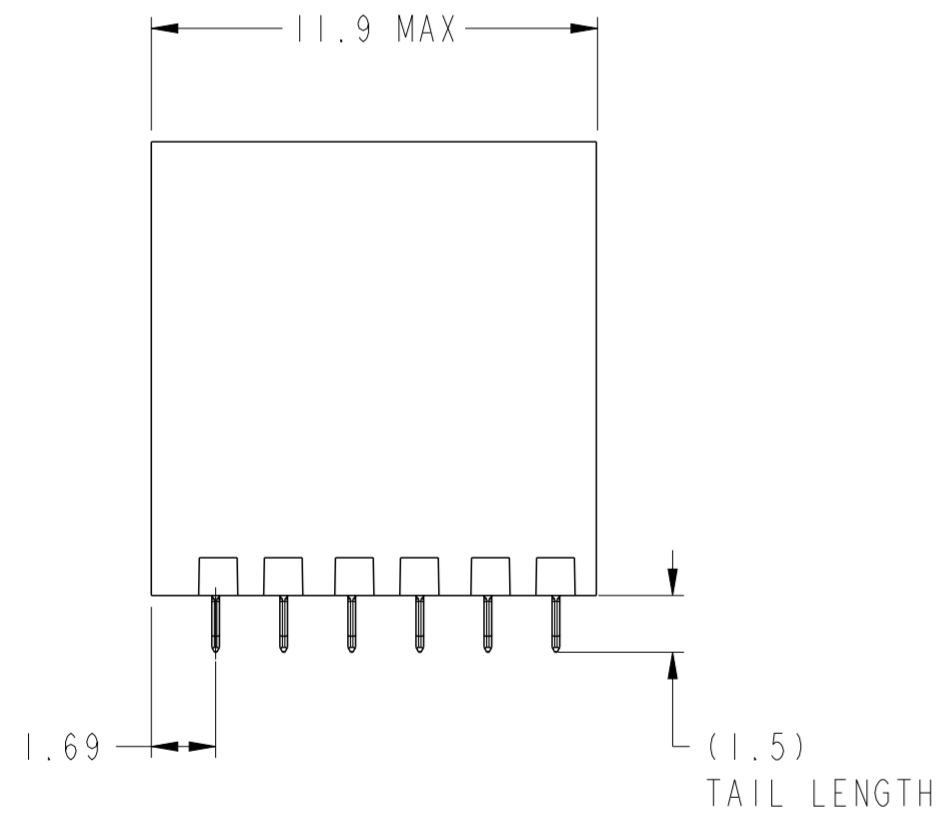
LEFT WALL MODULE



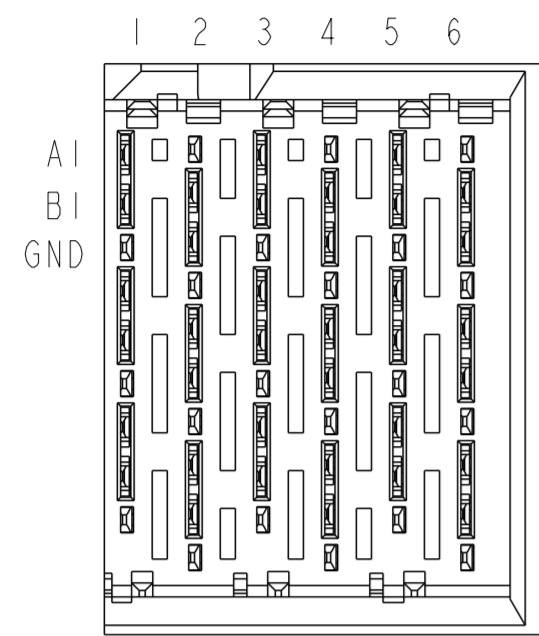
SEE DETAIL A ON SHEET 8 FOR PINOUT DETAILS

BP HOLE PATTERN COMPONENT SIDE

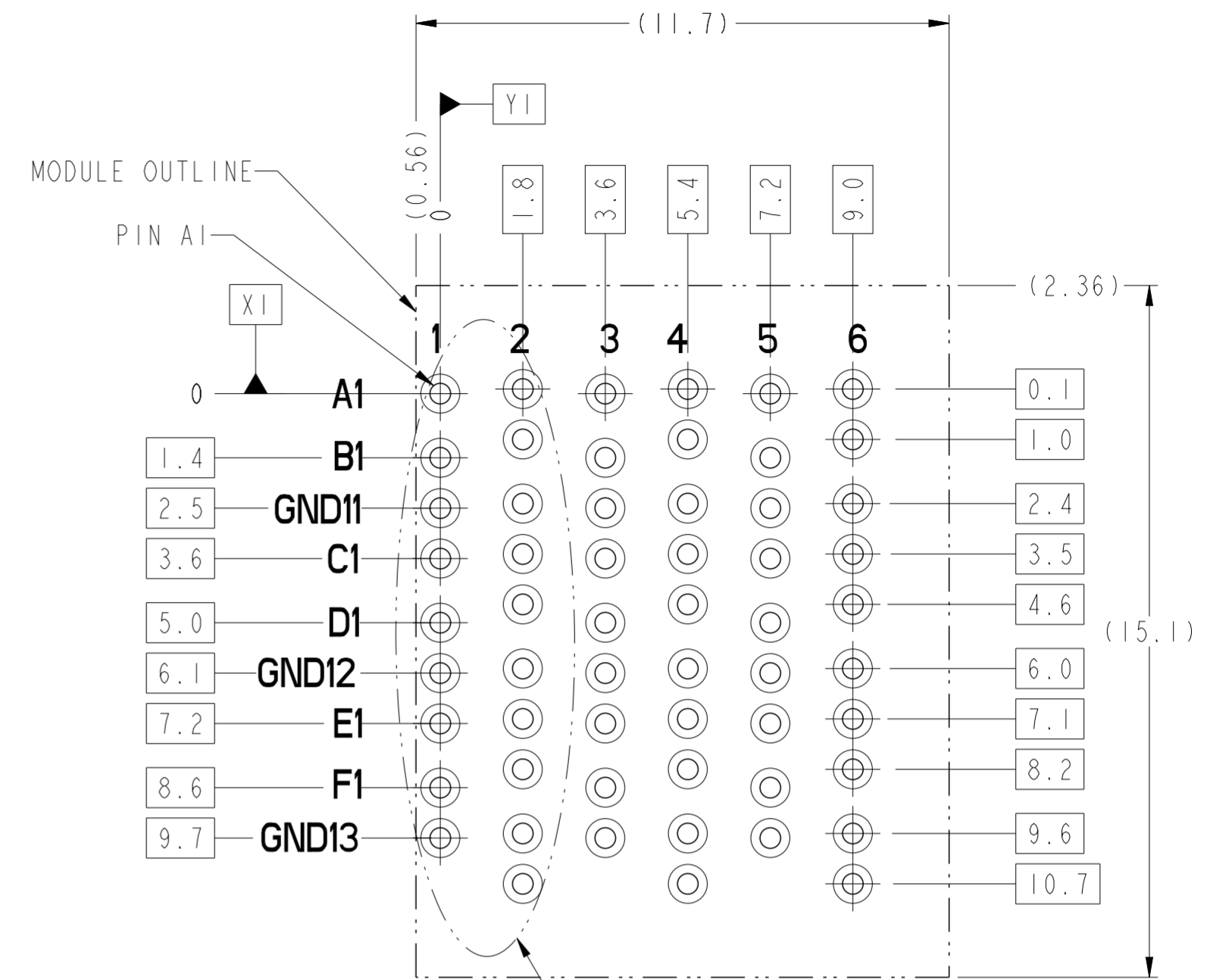
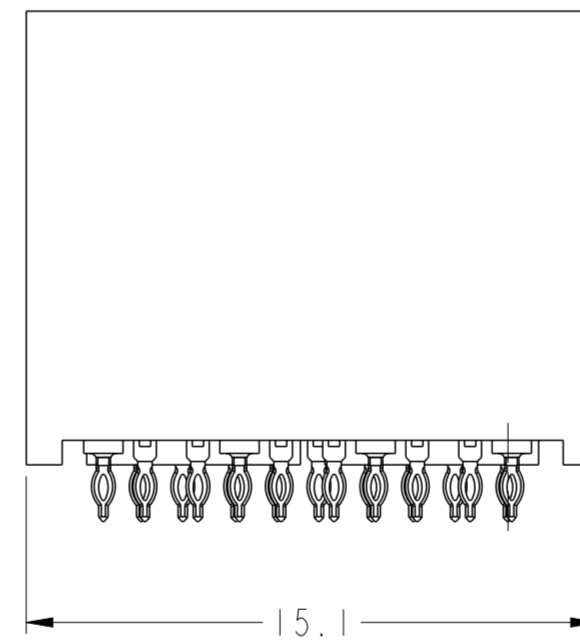
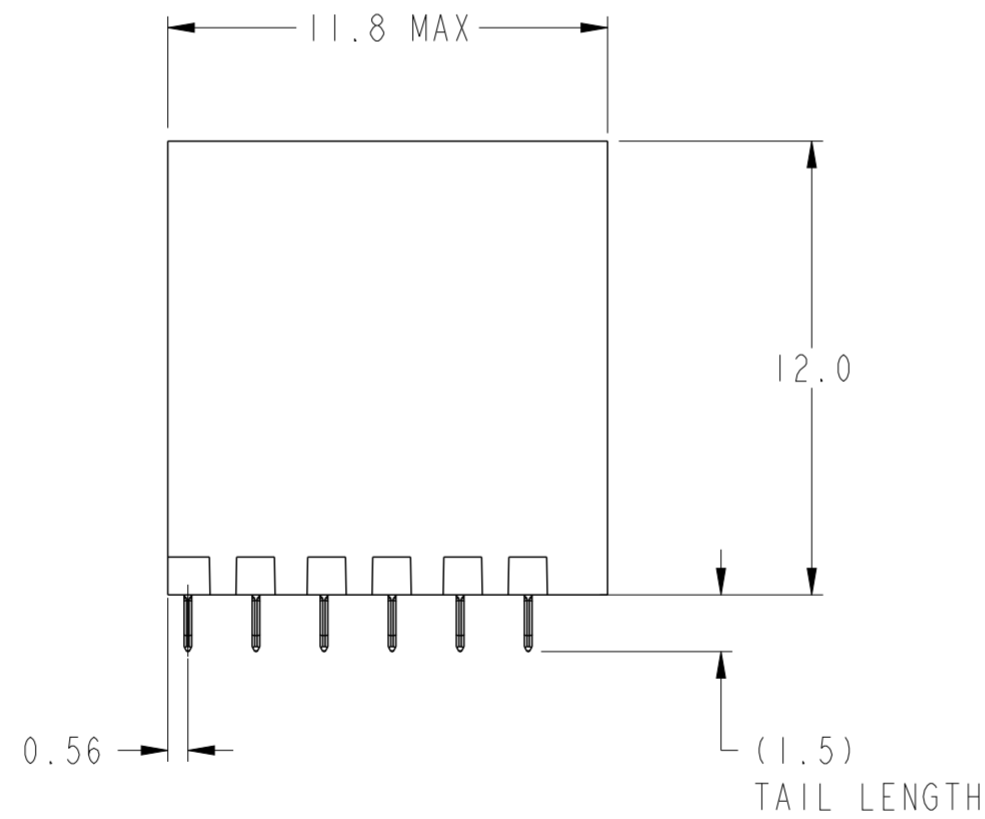
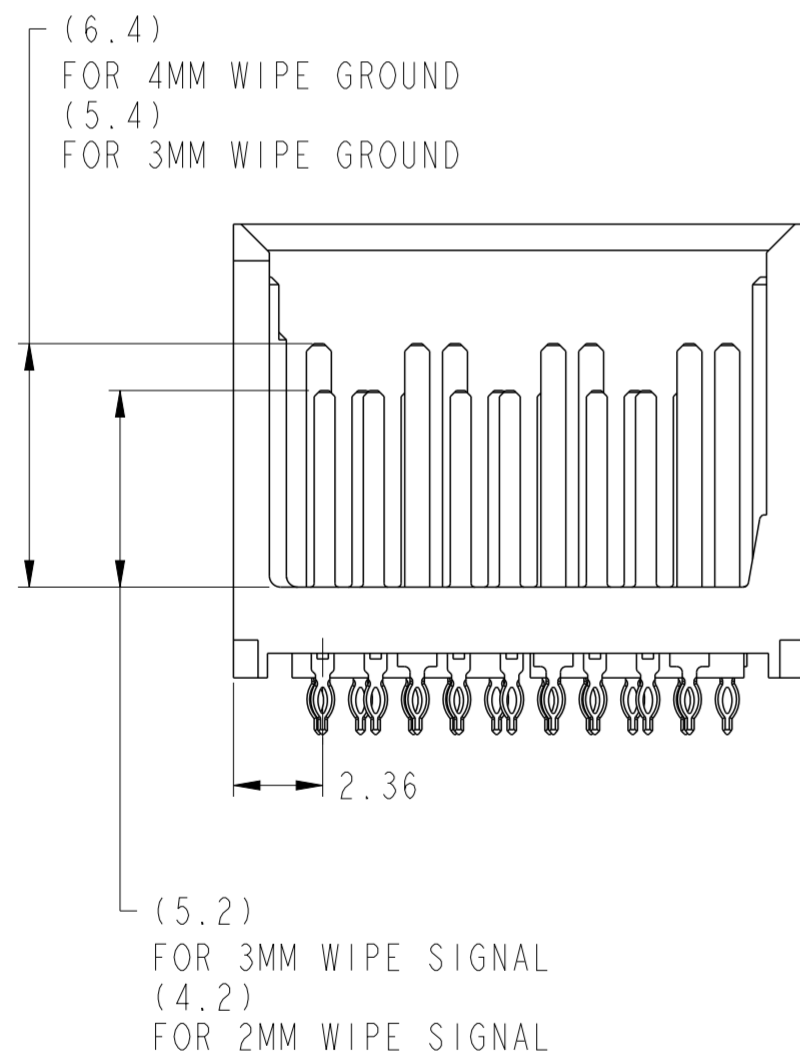
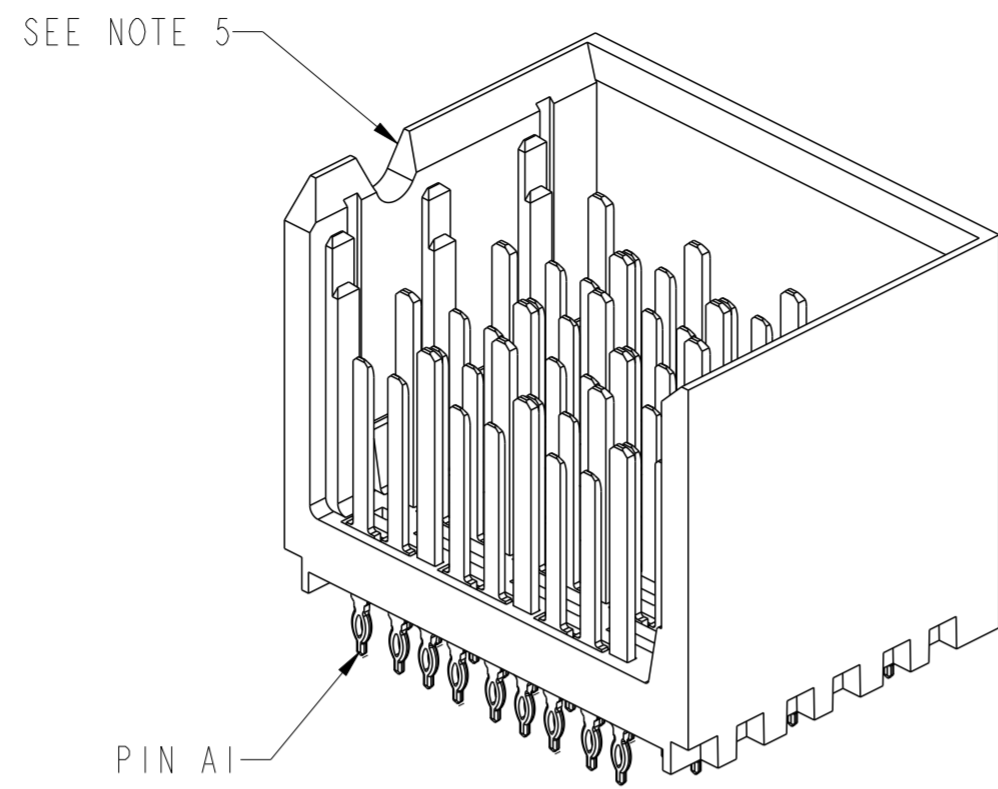
LEFT WALL MODULE BACKPLANE FOOTPRINT



spec ref	-	dr	Mary Glass	2012/02/02	projection	MM	size	A2	scale	5:1	
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20			ecn no	ELX-S-14229-1			
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr			Chen-Hong Tan	2013/04/09	product family	XCEDE HD	rel level
surface	ISO 1302	linear	0.X	±0.3		FCI XCEDE HD VERTICAL HEADER 3 PAIR, 6 COLUMN STITCH HEADER	dwg no	10119128			
			0.XX	±0.10			cat. no.	-	Product - Customer Drw	sheet 3 of 8	
		angular	0°	±2°							



RIGHT WALL MODULE



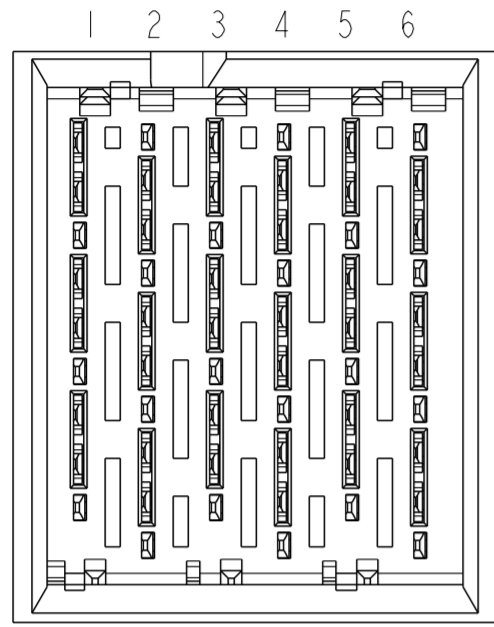
SEE DETAIL A
ON SHEET 8 FOR PINOUT DETAILS

BP HOLE PATTERN COMPONENT SIDE
RIGHT WALL MODULE BACKPLANE FOOTPRINT

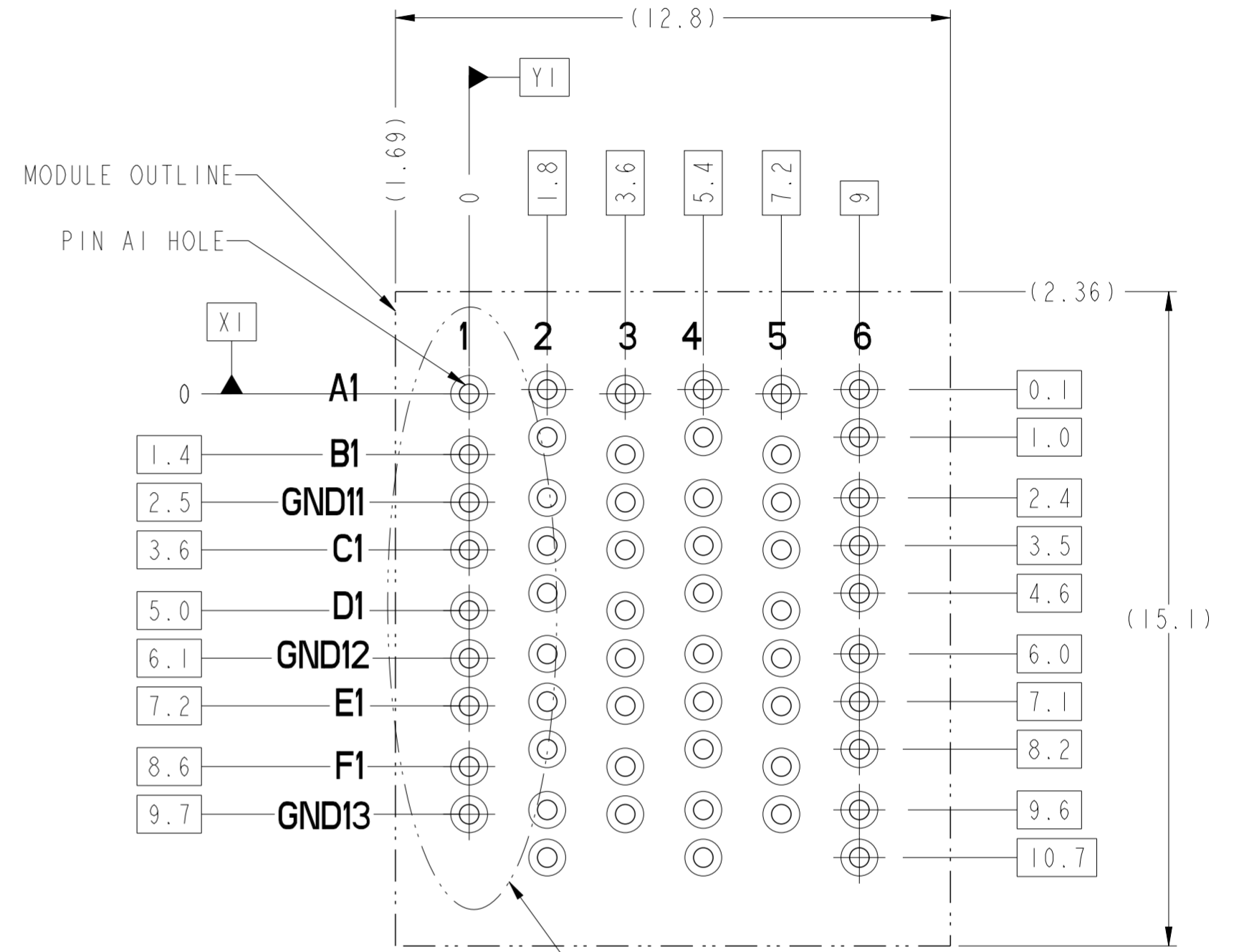
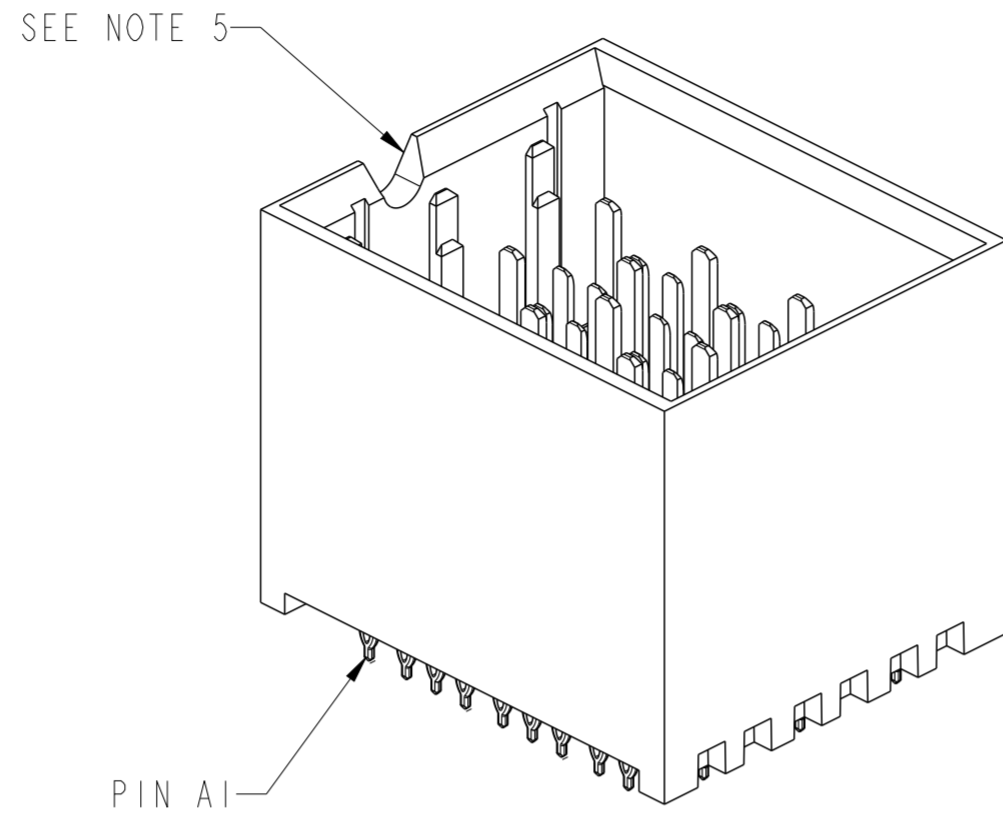


Copyright FCI.

spec ref	-	dr	Mary Glass	2012/02/02	projection	MM	size	A2	scale	5:1	
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20			ecn no	ELX-8-14229-1			
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr			Chen-Hong Tan	2013/04/09	product family	XCEDE HD	rel level
surface	ISO 1302	linear	0.X	±0.3		XCED HD VERTICAL HEADER 3 PAIR, 6 COLUMN STITCH HEADER	dwg no 10119128	rev B	Product - Customer Drw		
		angular	0°	±2°					cat. no.	-	sheet 4 of 8
				www.fci.com							



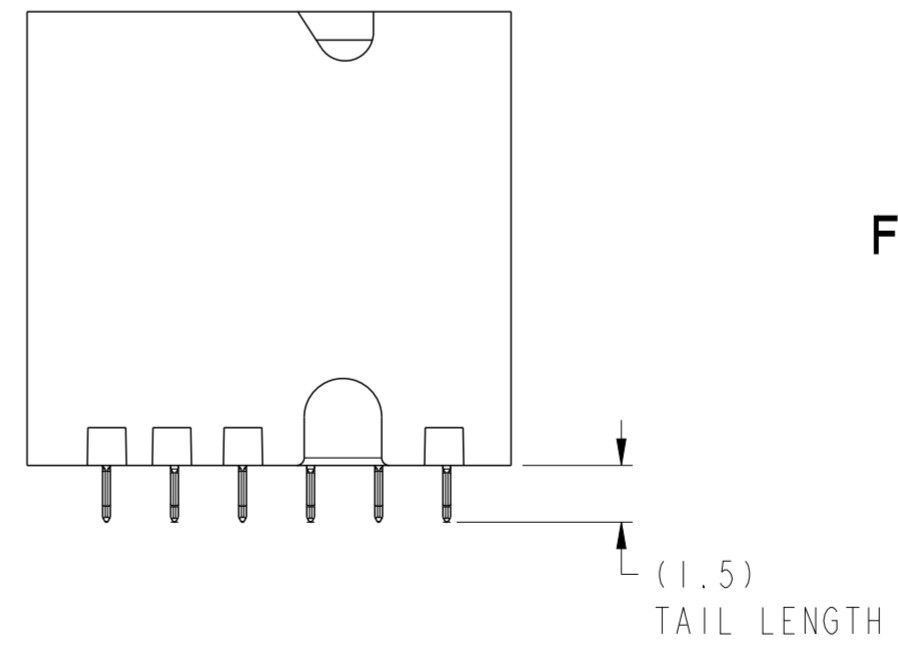
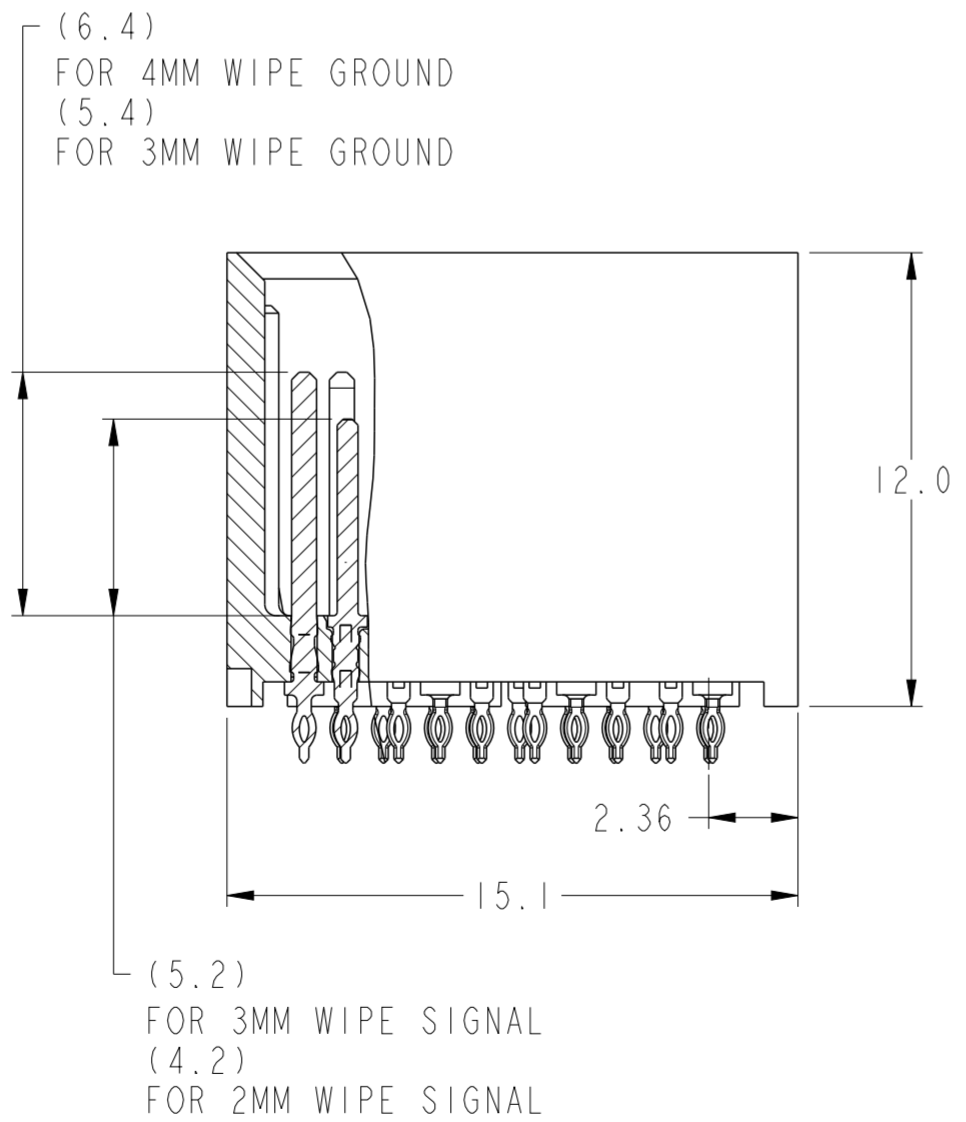
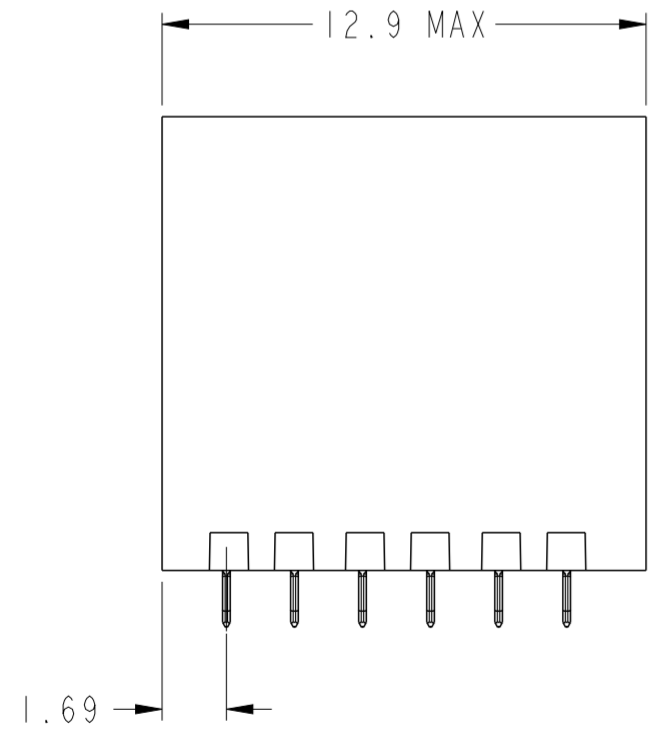
FOUR WALL MODULE



SEE DETAIL A ON SHEET 8 FOR PINOUT DETAILS

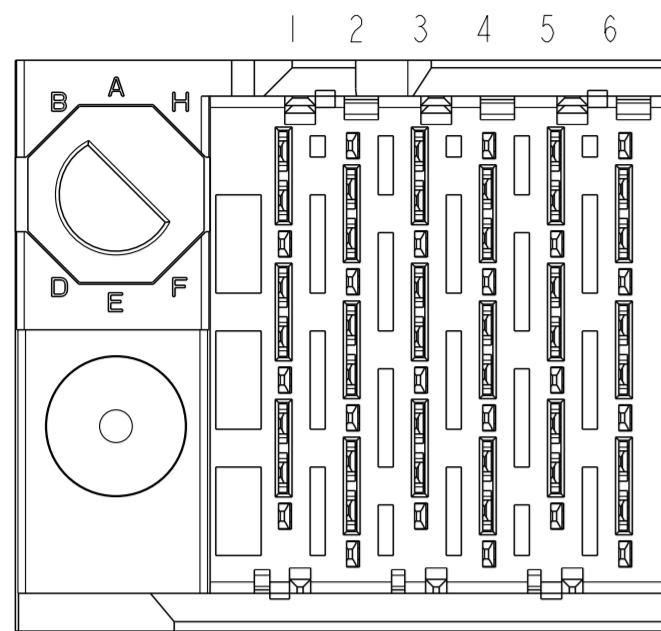
BP HOLE PATTERN COMPONENT SIDE

FOUR WALL MODULE BACKPLANE FOOTPRINT



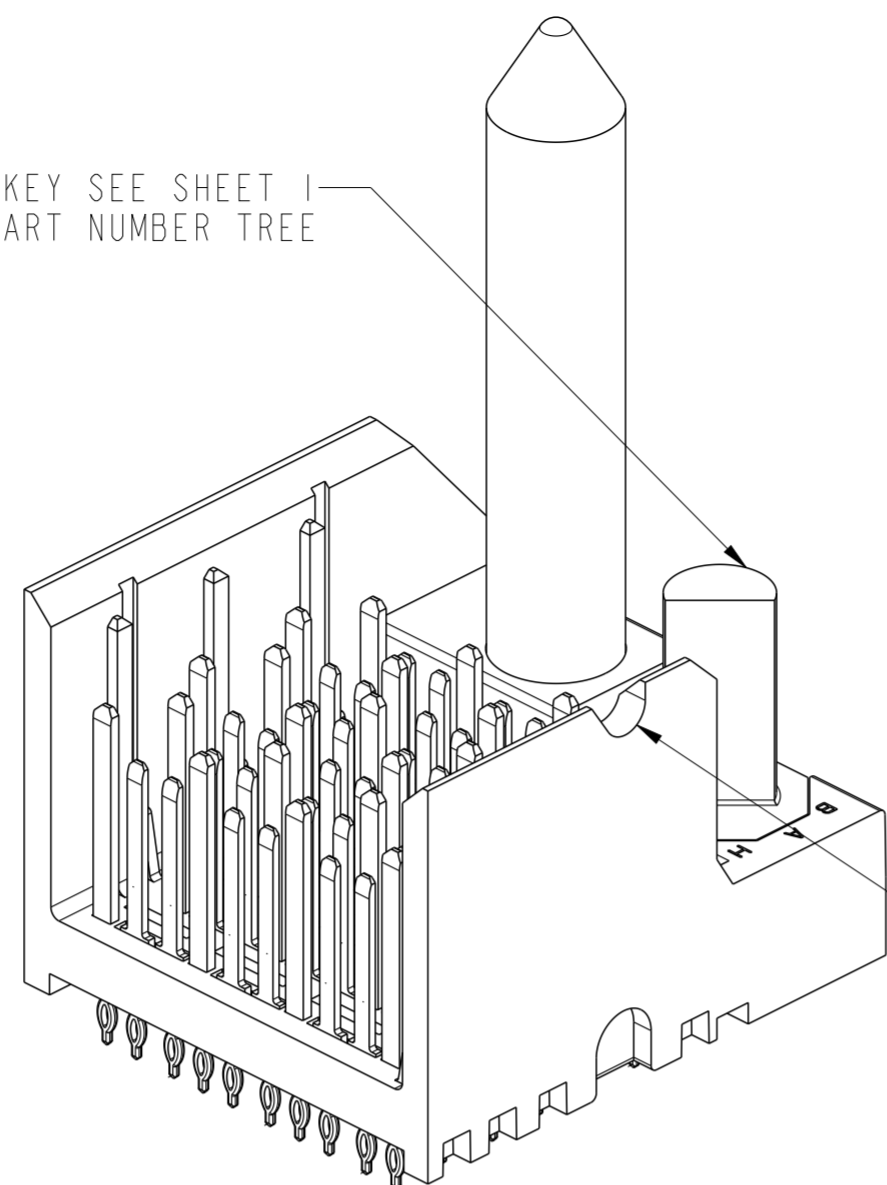
Copyright FCI.

spec ref	-	dr	Mary Glass	2012/02/02	projection	MM	size	A2	scale	5:1	
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20			ecn no	ELX-8-14229-1	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr							Chen-Hong Tan
surface	ISO 1302	linear	0.X	±0.3			title	XCEDE HD VERTICAL HEADER		rev	B
		angular	0°	±2°	www.fci.com		3 PAIR, 6 COLUMN STITCH HEADER	dwg no	10119128	sheet 5 of 8	

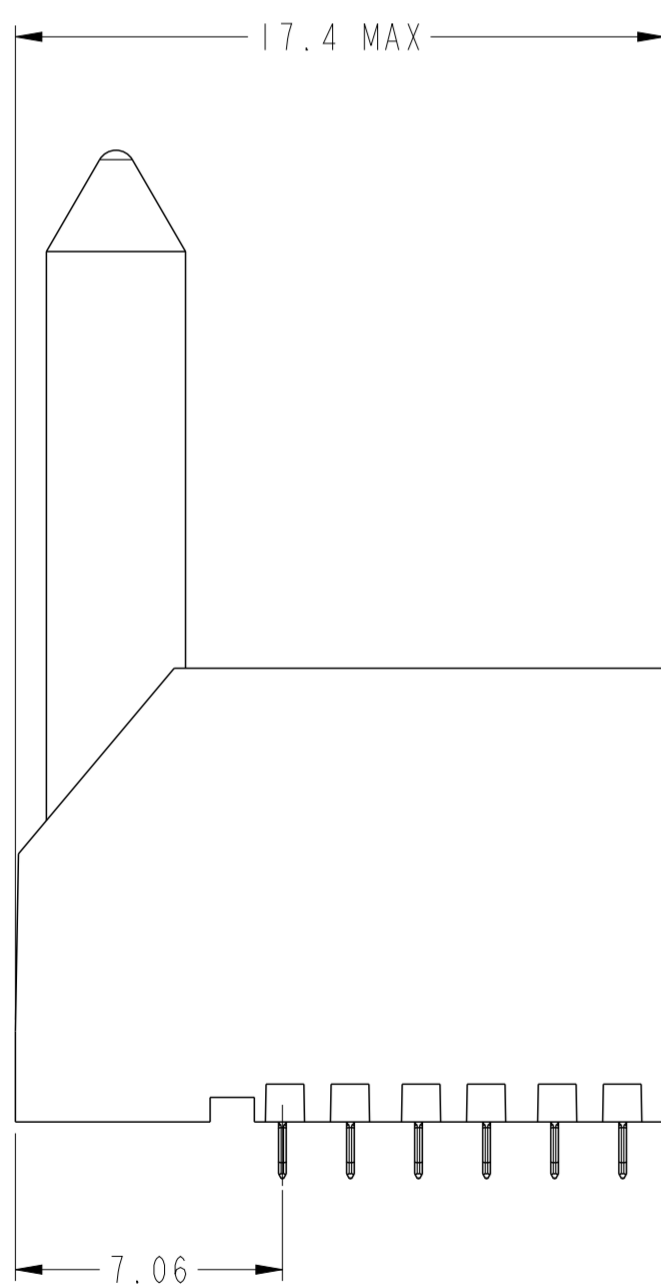


LEFT POLARIZING / GUIDE MODULE

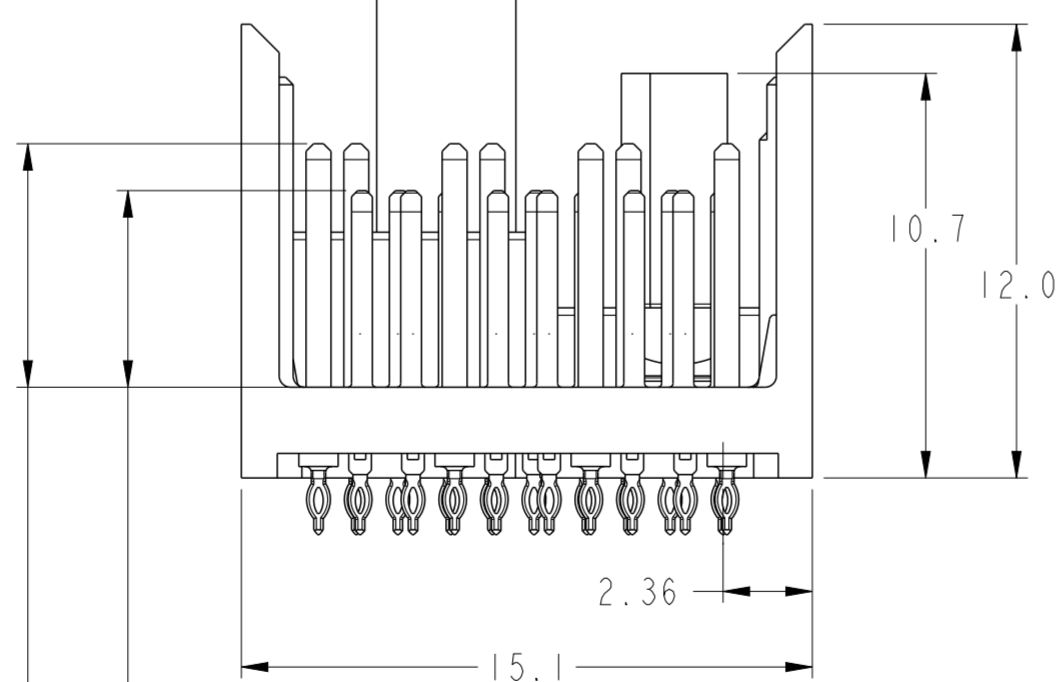
OPTIONAL KEY SEE SHEET 1
PART NUMBER TREE



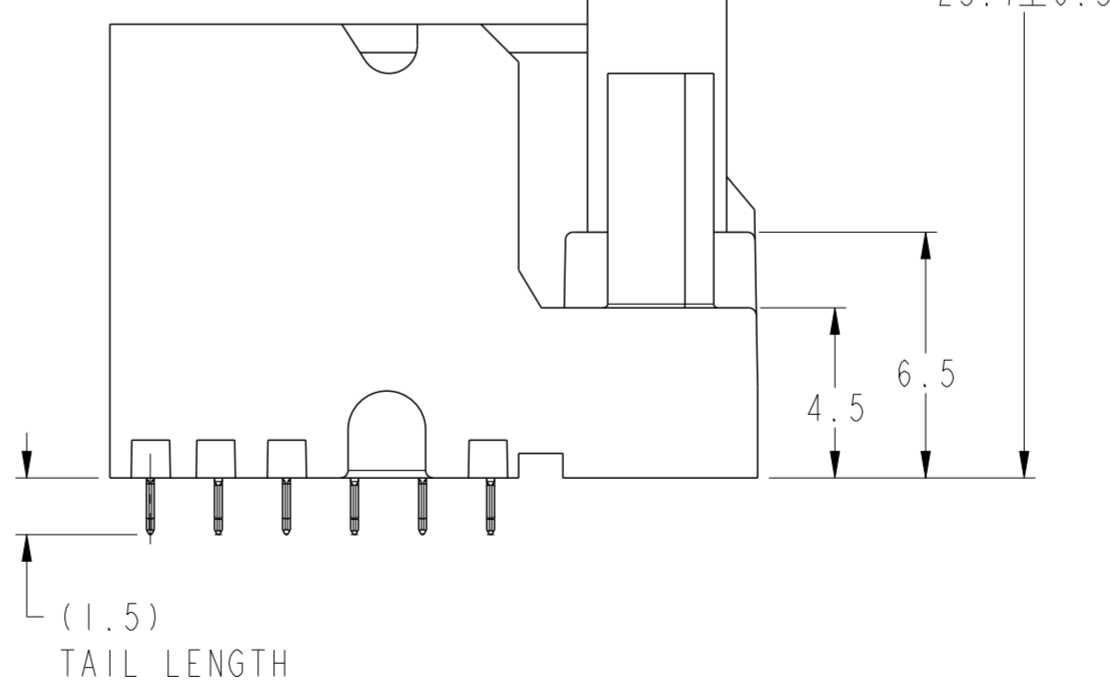
SEE NOTE 5



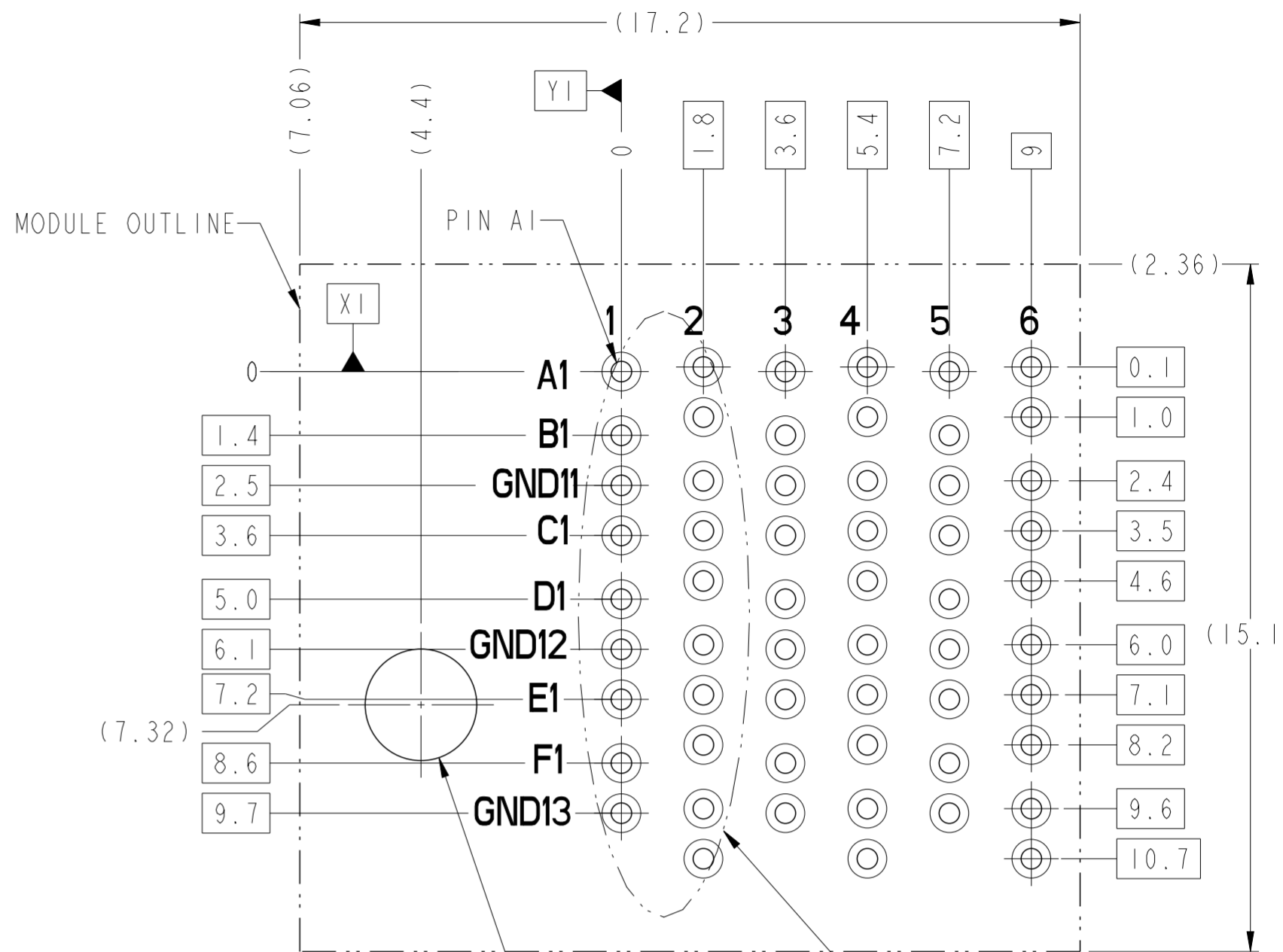
(\varnothing 3.68)



(5.2)
FOR 3MM WIPE SIGNAL
(4.2)
FOR 2MM WIPE SIGNAL
(6.4)
FOR 4MM WIPE GROUND
(5.4)
FOR 3MM WIPE GROUND



(1.5)
TAIL LENGTH

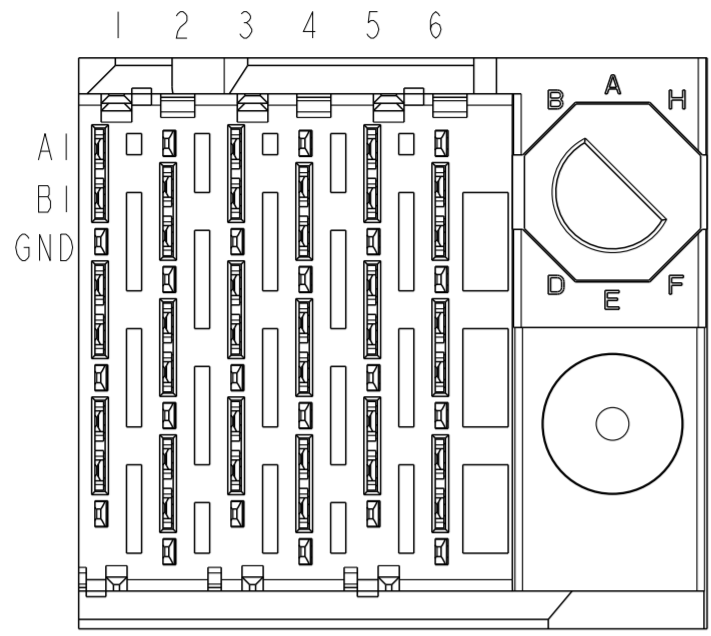


SEE DETAIL A
ON SHEET 8 FOR
PINOUT DETAILS

\varnothing 2.55 \varnothing 2.35 \varnothing 0.15 XI YI
SEE NOTE 11 & TABLE 1

BP HOLE PATTERN COMPONENT SIDE
LEFT POLARIZING / GUIDE MODULE
BACKPLANE FOOTPRINT

spec ref	-	dr	Mary Glass	2012/02/02	projection	MM	size	A2	scale	5:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20			ecn no	ELX-8-14229-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr						
surface	ISO 1302	linear	0.X \pm 0.3 0.XX \pm 0.10 0.XXX \pm 0.05	angular	0° \pm 2°		title	XCEDE HD VERTICAL HEADER 3 PAIR, 6 COLUMN STITCH HEADER		
		www.fci.com		cat. no.	-	Product - Customer Drw	sheet 6 of 8	10119128	rev	B

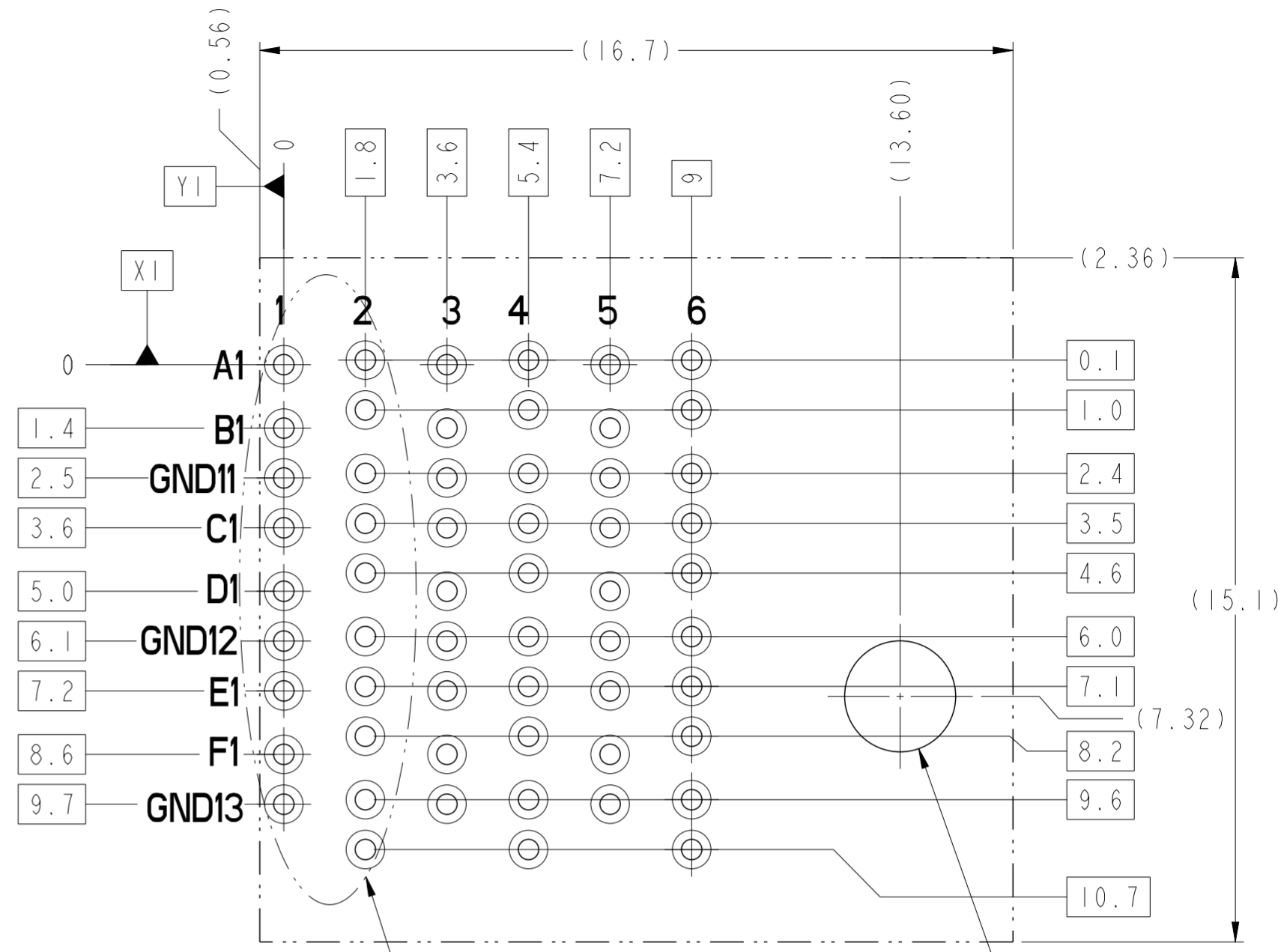
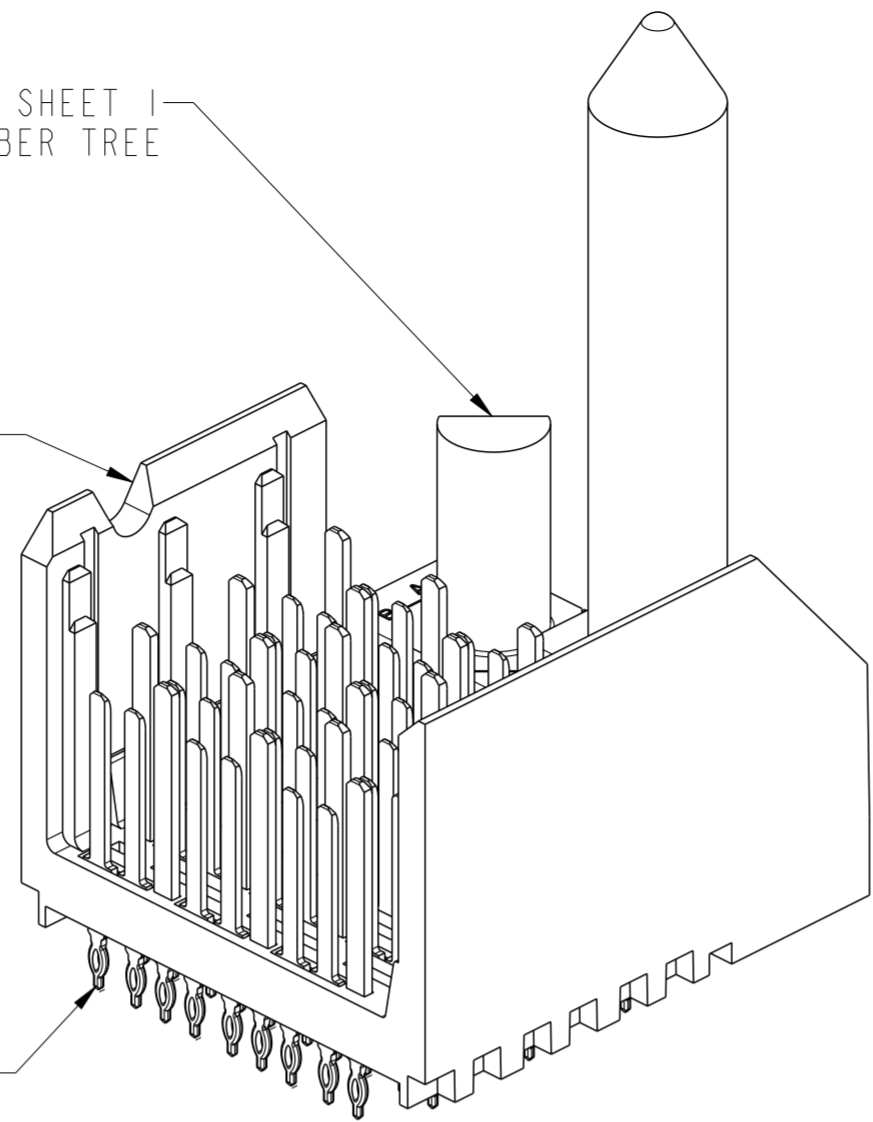


RIGHT POLARIZING / GUIDE MODULE

OPTIONAL KEY SEE SHEET 1
PART NUMBER TREE

SEE NOTE 5

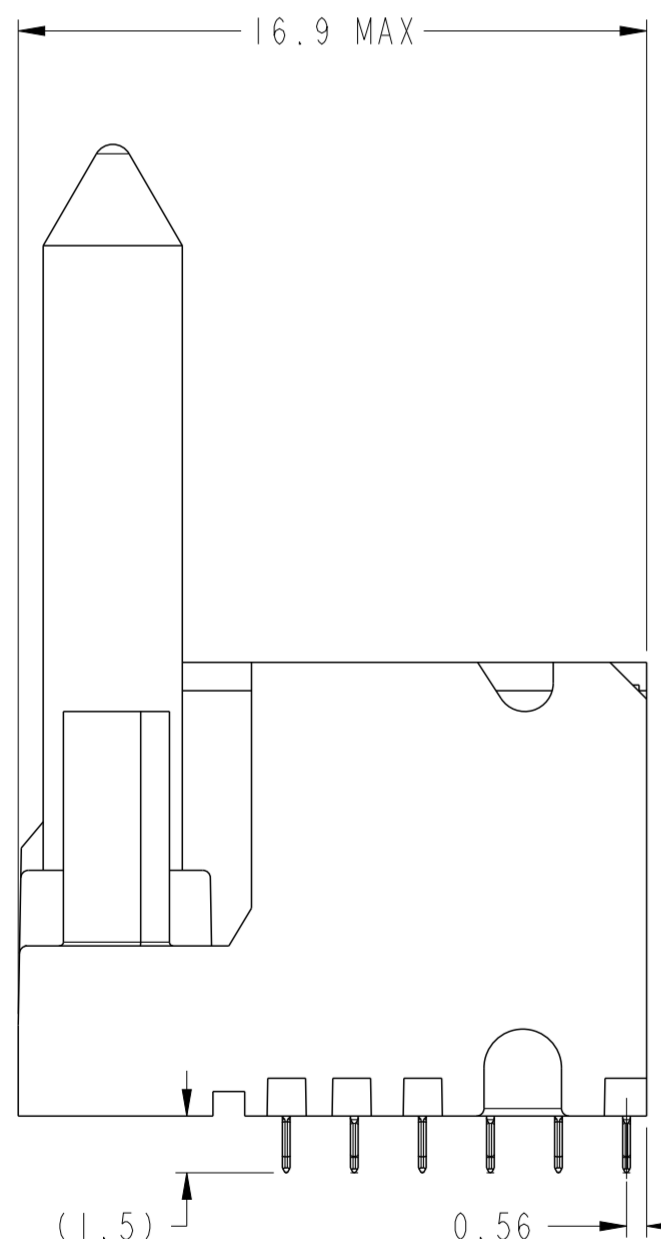
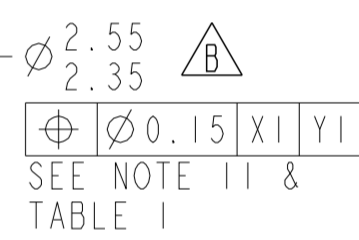
PIN AI



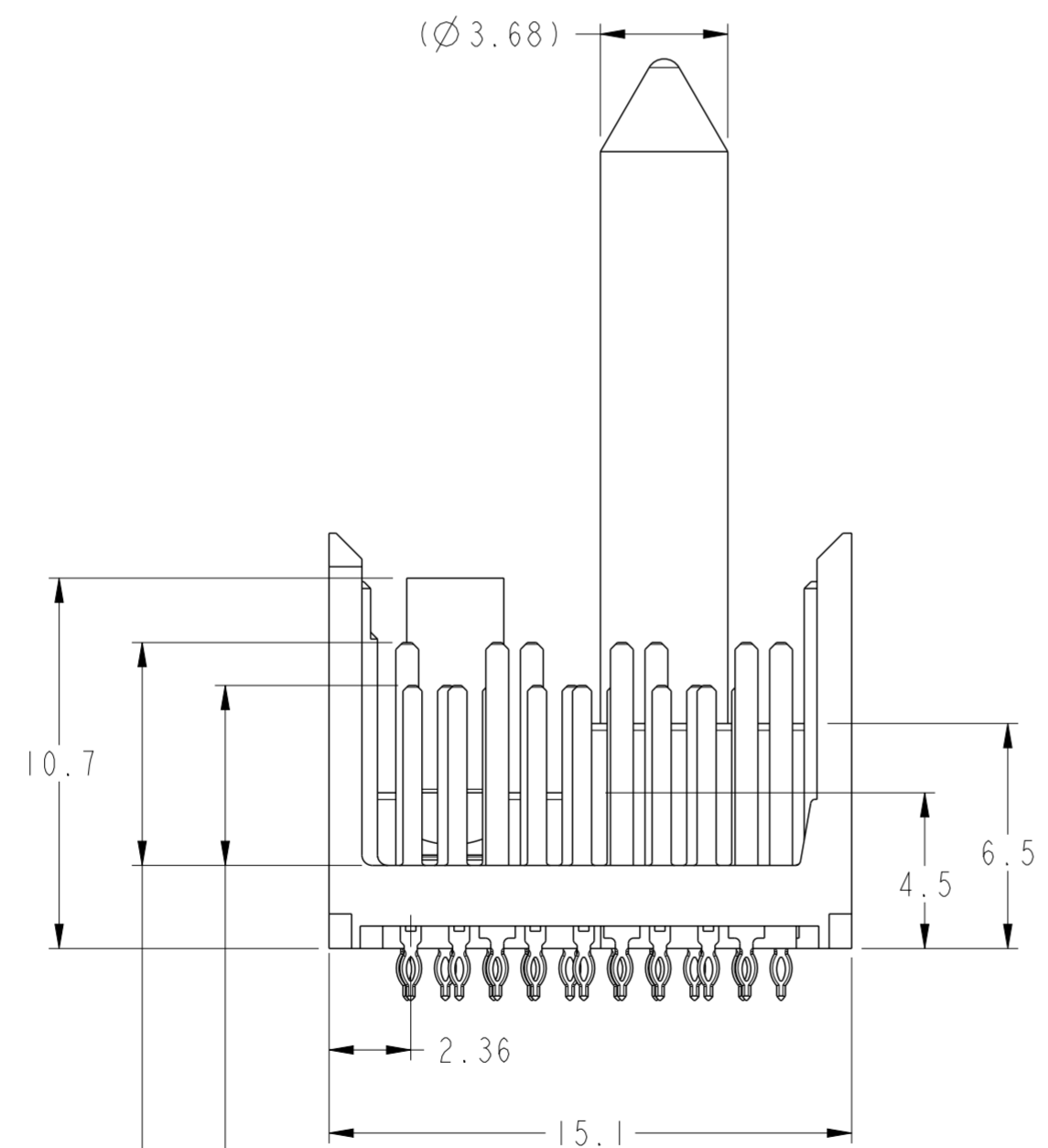
SEE DETAIL A
ON SHEET 8 FOR PINOUT DETAILS

BP HOLE PATTERN COMPONENT SIDE

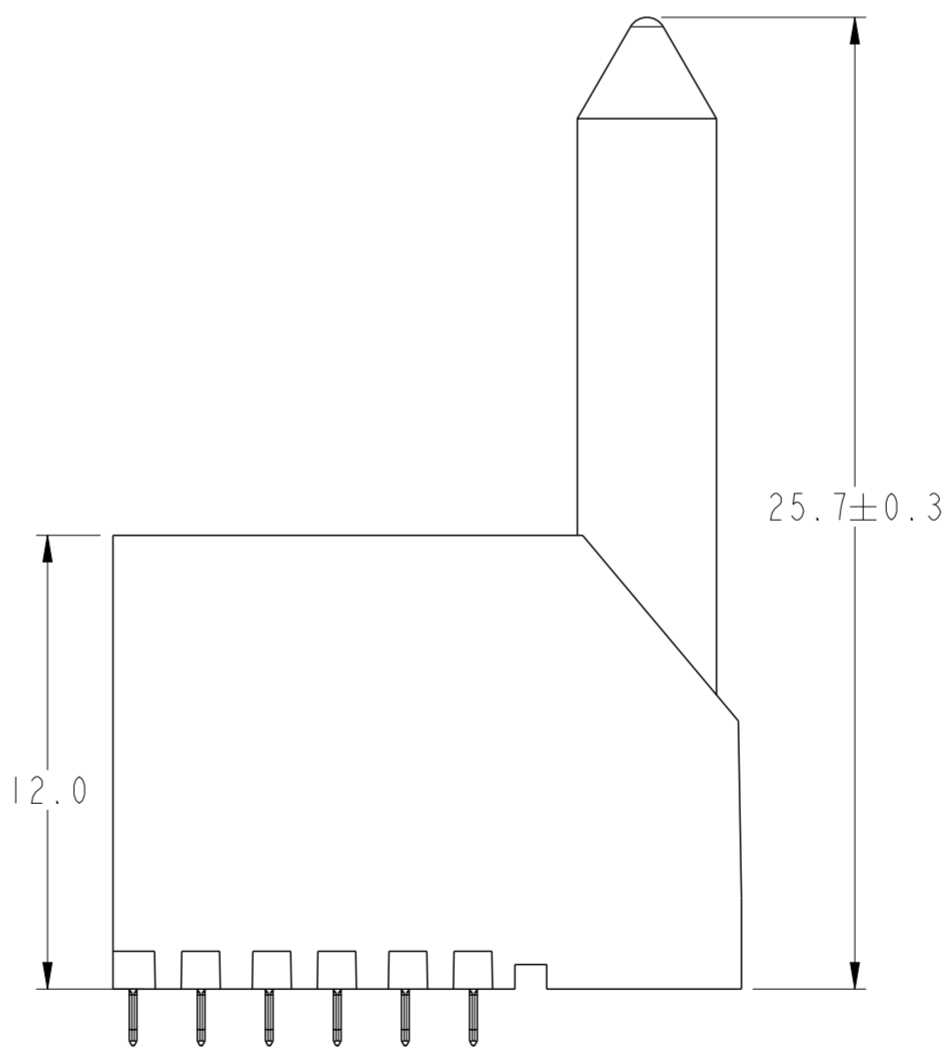
RIGHT POLARIZING / GUIDE MODULE
BACKPLANE FOOTPRINT



(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



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spec ref	-	dr	Mary Glass	2012/02/02	projection	MM	size	A2	scale	5:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20	chr	-	ecn no	ELX-8-14229-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD	rel level	Blue	rev	B
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	angular	0° ±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 7 of 8	10119128	

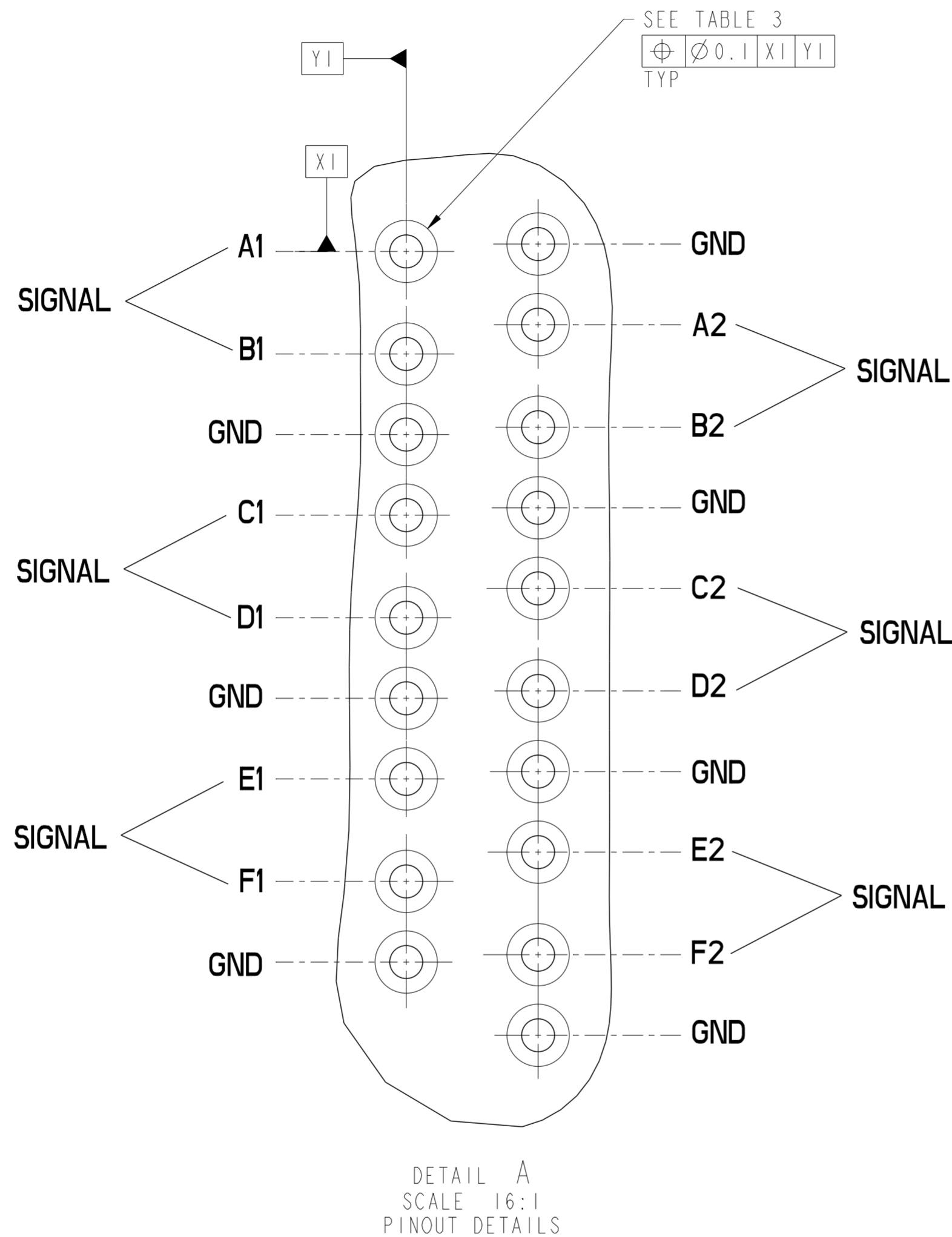


TABLE 3		
	COMPLIANT PIN DRILL $\varnothing 0.55$ [0.0217"]]	COMPLIANT PIN DRILL $\varnothing 0.45$ [0.0117"]]
PTH	$\varnothing 0.45 \pm 0.05$	$\varnothing 0.36 \pm 0.05$
DRILL	$\varnothing 0.55$ [0.0217"]]	$\varnothing 0.45$ [0.0117"]]
PAD	$\varnothing 0.85$	$\varnothing 0.75$

NOTES:

- CONNECTOR MATERIALS
 SHROUD : HIGH-TEMP POLYMER, COLOR : BLACK, UL94V-0
 CONTACTS : HIGH PERFORMANCE 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.
- A $\triangle B$ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE THAT HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.
- $\triangle B$ (1) OPTIONAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE-PIN SUPPORT. SEE TABLE 1 SHEET 1 FOR ADDITIONAL DETAILS.
- $\triangle B$ (2) SCREW IS OPTIONAL AND ENGAGES WITH BOTTOM OF GUIDE PIN FROM BENEATH THE PCB FOR ADDITIONAL GUIDE-PIN SUPPORT.



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spec ref	-	dr	Mary Glass	2012/02/02	projection	MM	size	A2	scale	5:1	
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20			ecn no	ELX-8-14229-1	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	apppr							Chen-Hong Tan
surface	ISO 1302	linear	0.X	± 0.3			title	XCEDE HD VERTICAL HEADER		rev	B
			0.XX	± 0.10	www.fci.com		3 PAIR, 6 COLUMN STITCH HEADER	dwg no	10119128	sheet 8 of 8	
		angular	0°	$\pm 2^\circ$	cat. no.		Product - Customer Drw				