

10119128 - X0C - XXXLF

6-COLUMN
DIFFERENTIAL
SIGNAL

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

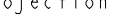
MODULE DESCRIPTION	LETTER DESIGNATION REPRESENTED IN DASH NUMBER										BASE MODULE
LEFT POLARIZING GUIDANCE MODULE (SEE SHEET 6)	N	J	A	B	C	D	E	F	G	H	
	NO KEY NO GUIDE PIN										
RIGHT POLARIZING GUIDANCE MODULE (SEE SHEET 7)	Z	Y	P	Q	R	S	T	U	V	W	
	NO KEY NO GUIDE PIN										
OPEN MODULE (TWO WALL) (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)										

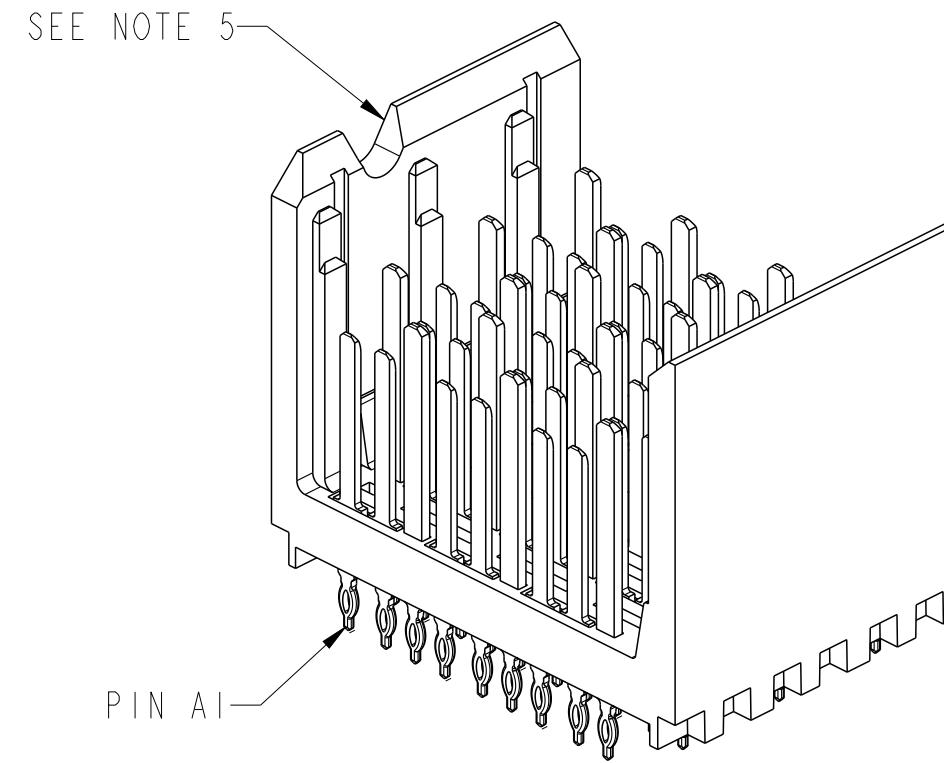
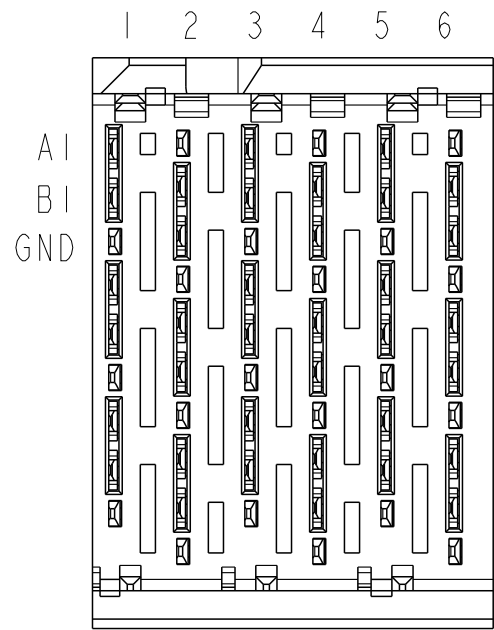
NUMBER	CONTACT MATING WIPE LENGTH		COMPLIANT TAIL TYPE (SEE NOTE 9)
	SIGNAL	GROUND	
1	2 MM	4 MM	0.55 (0.0217") DRILL
2	3 MM	4 MM	0.55 (0.0217") DRILL
3	2 MM	4 MM	0.45 MICRO (0.0177") DRILL
4	3 MM	4 MM	0.45 MICRO (0.0177") DRILL
5	2 MM	3 MM	0.55 (0.0217") DRILL
6	3 MM	3 MM	0.55 (0.0217") DRILL
7	2 MM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

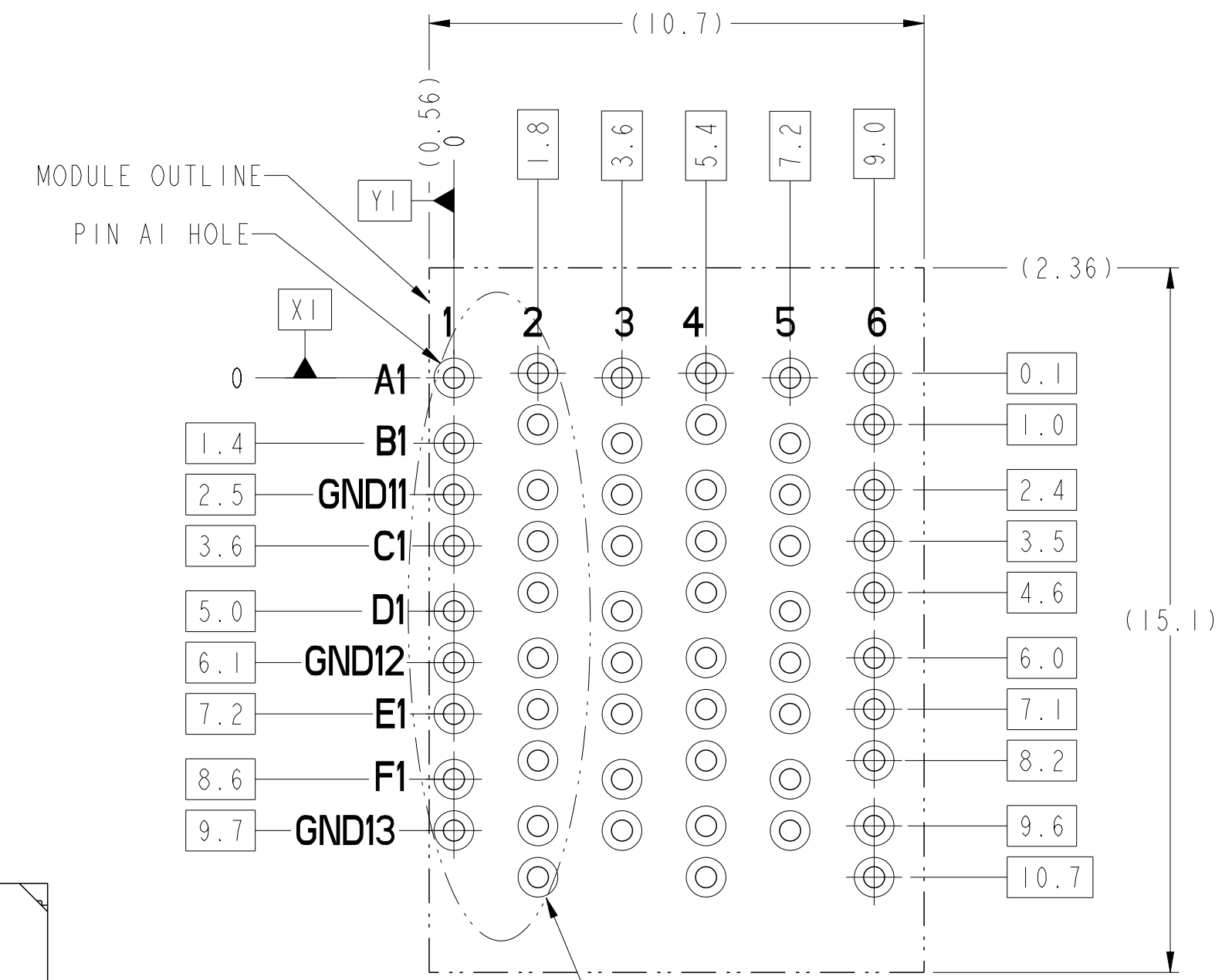
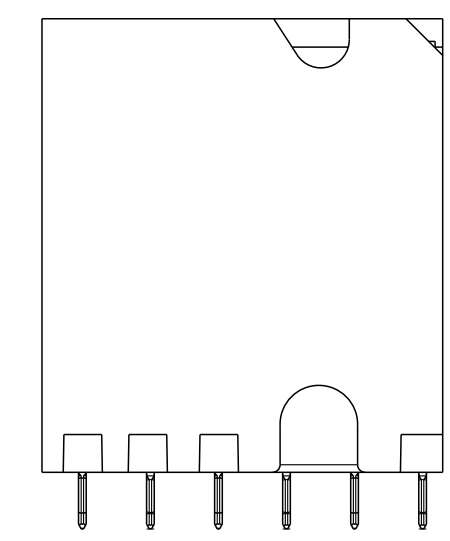
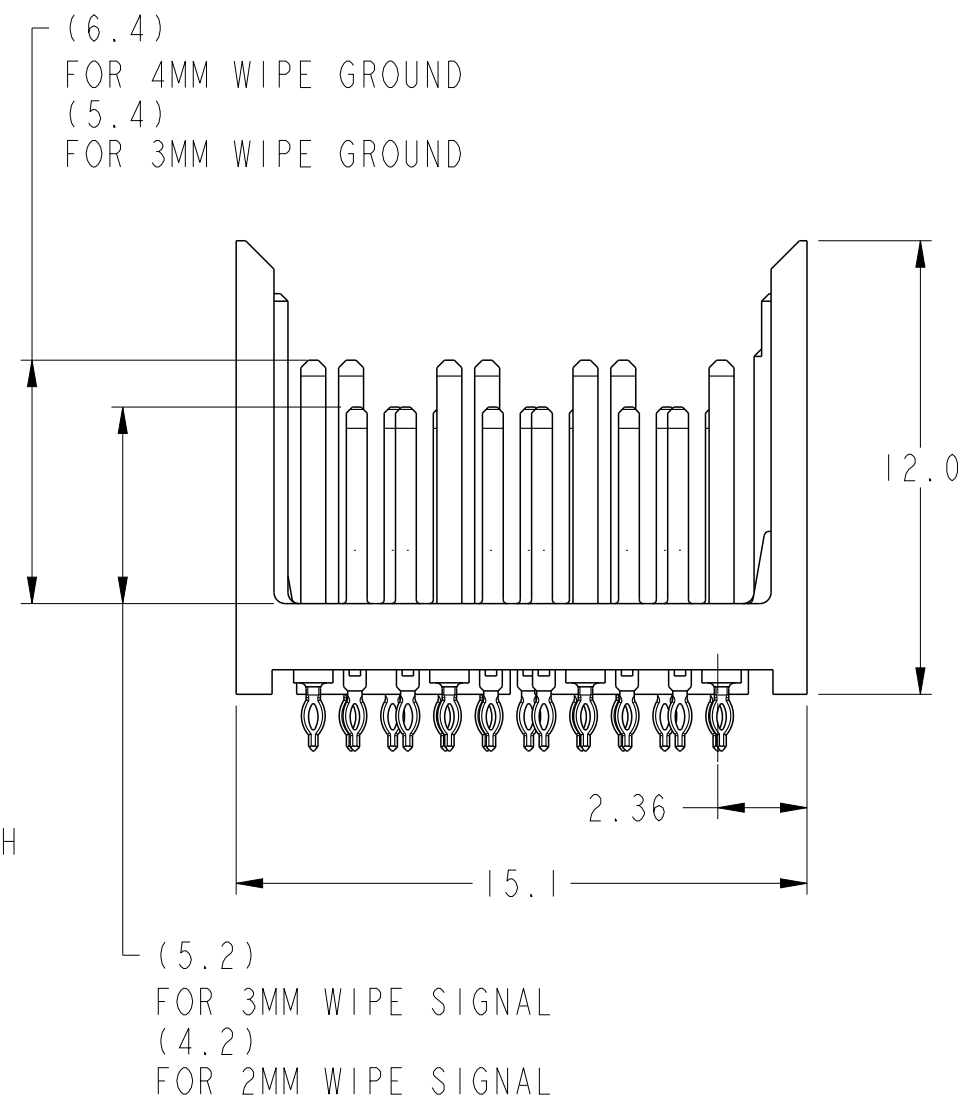
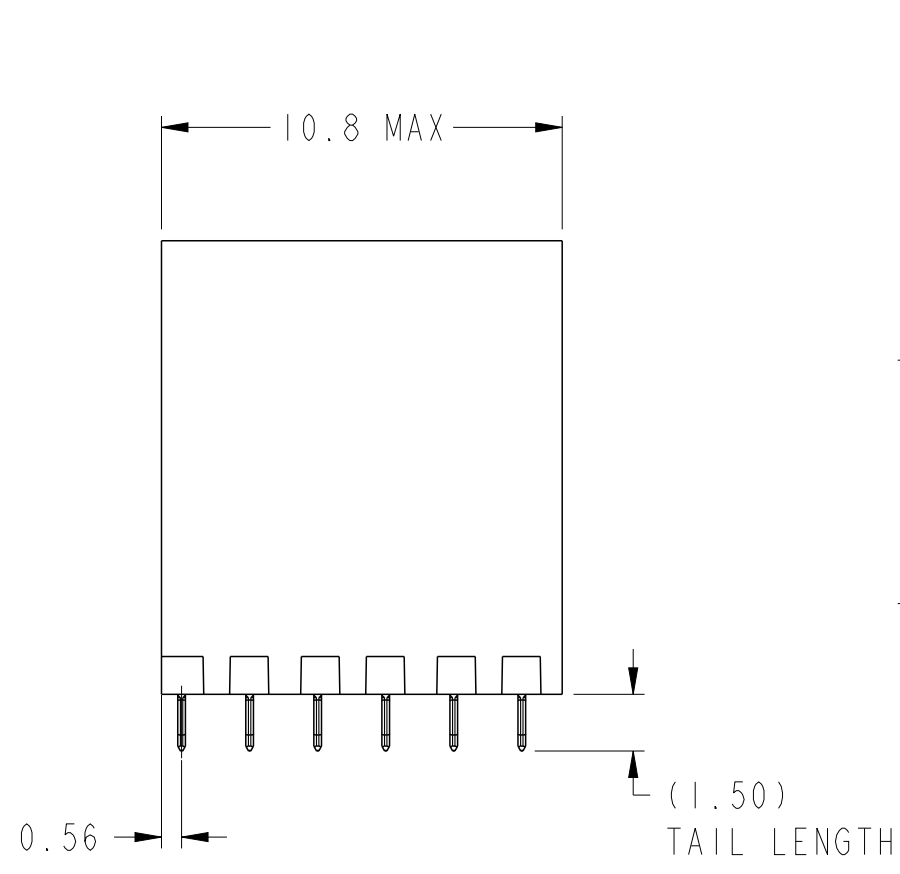
TABLE 1 (SEE NOTE 11)		
	UNGROUND	GROUND
FHS	Ø2.35-Ø2.55	Ø2.35-Ø2.55
PAD	N/A	Ø5.50
PLATED	NO	YES
DRILL(mm)	2.44mm	2.58mm
DRILL(in)	0.096"	0.1015"

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



OPEN WALL MODULE

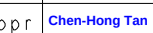


SEE DETAIL A
ON SHEET 8 FOR PINOUT DETAILS

OPEN WALL MODULE BACKPLANE FOOTPRINT



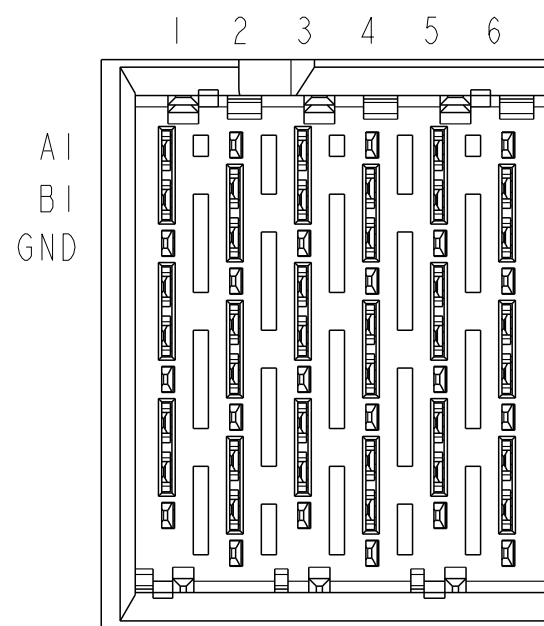
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spec ref -		dr Marty Glass		2012/02/02		projection MM  	size A2	scale 5:1	
tolerance std ISO 406 ISO 1101		eng Sandar Soe		2013/03/20			ecn no ELX-S-14229-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr -		-			rel level Released		
		appr Chen-Hong Tan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

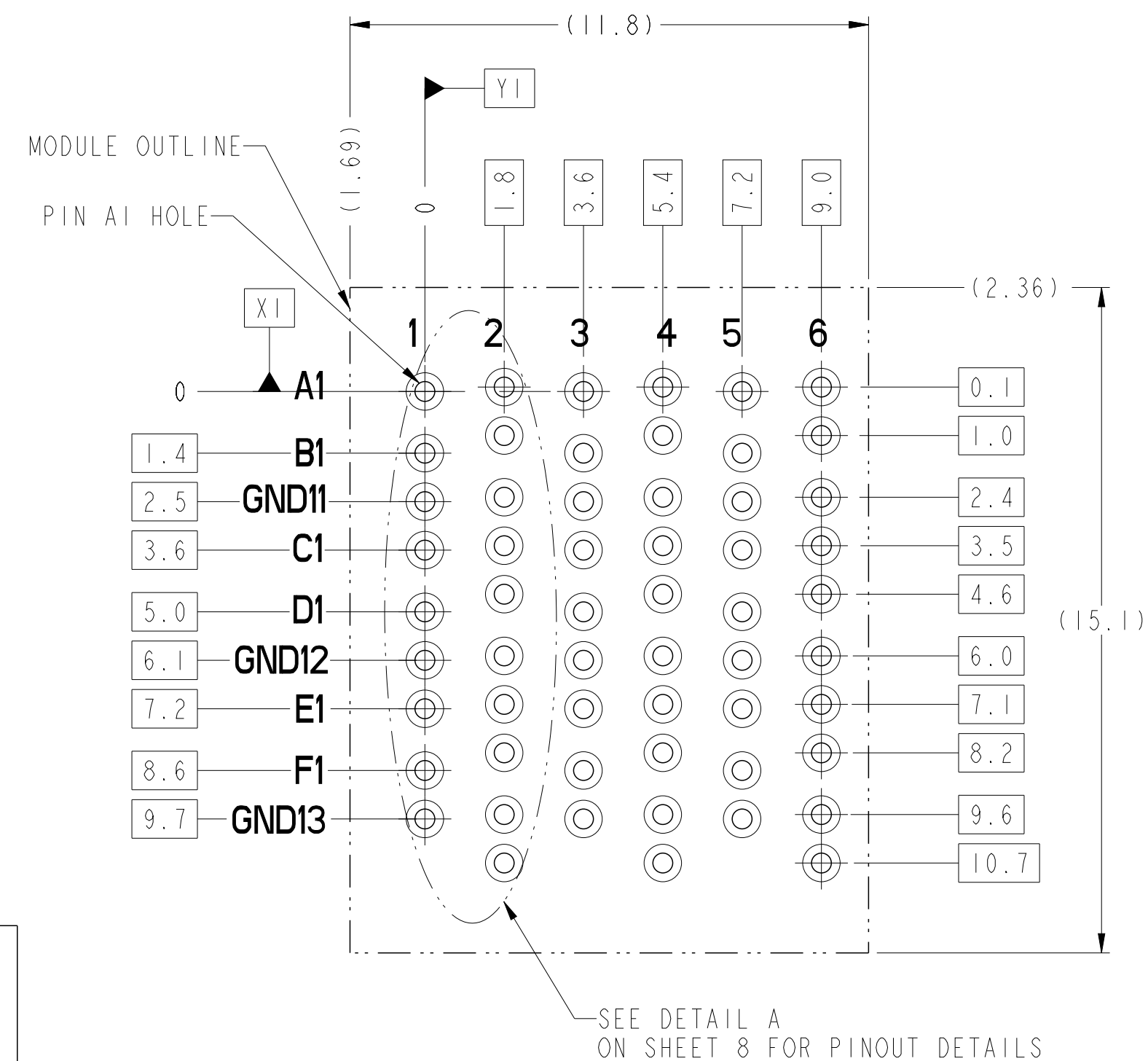
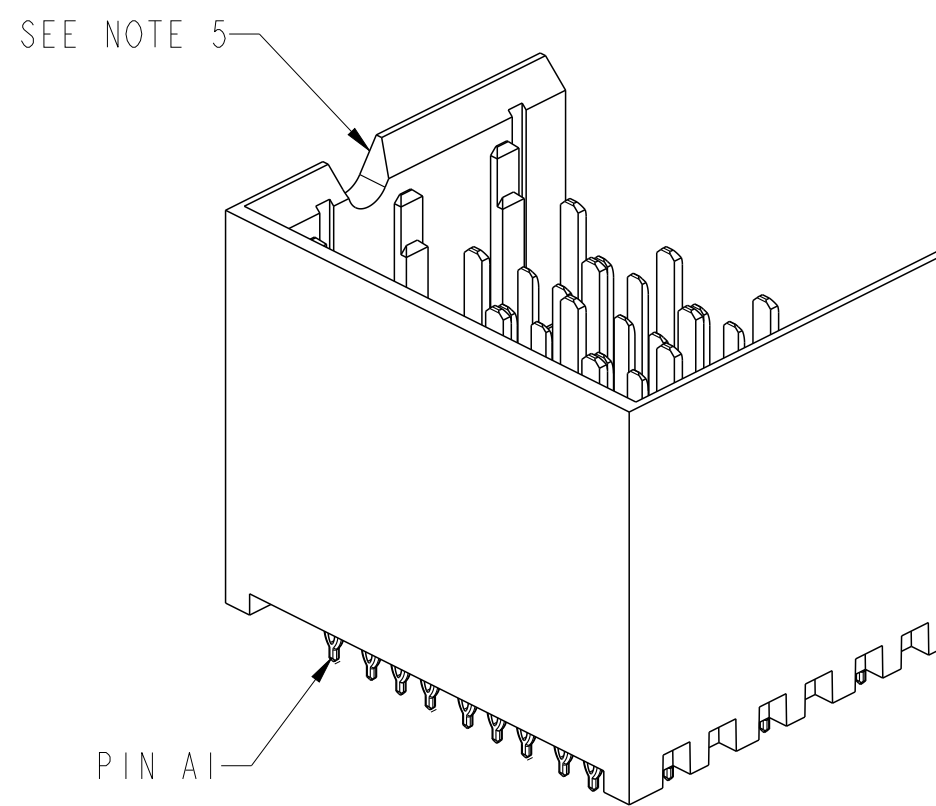
PDS: Rev :B

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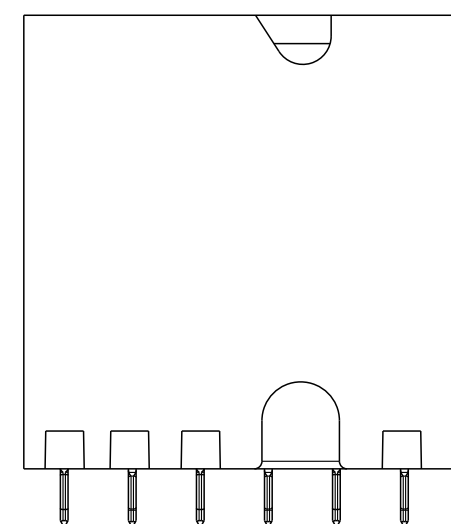
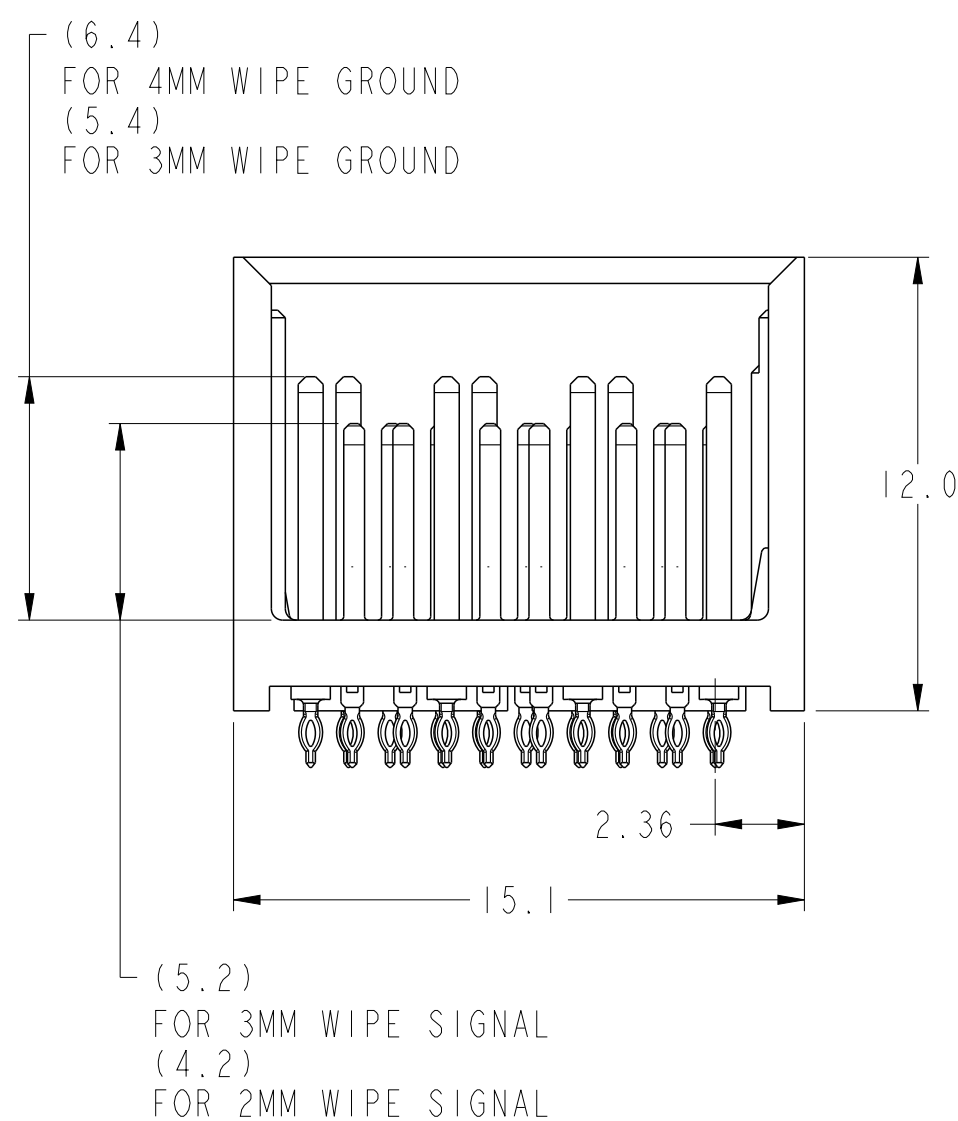
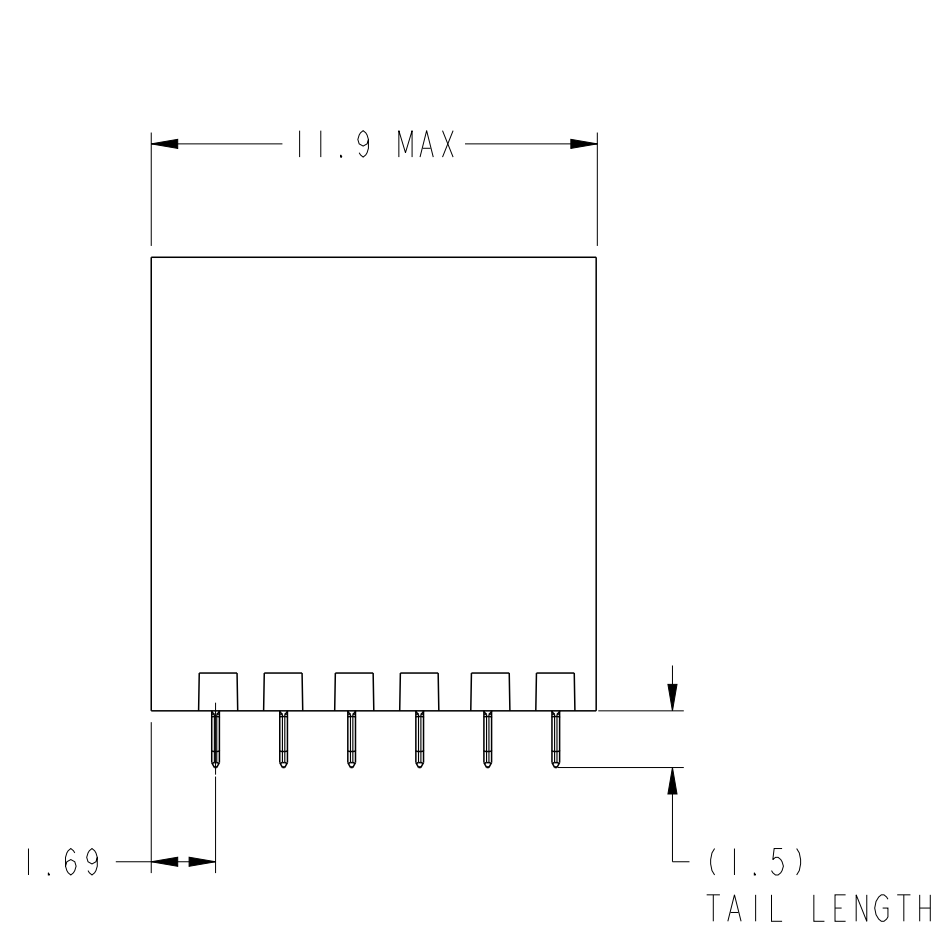
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LEFT WALL MODULE



BP HOLE PATTERN COMPONENT SIDE
LEFT WALL MODULE BACKPLANE FOOTPRINT

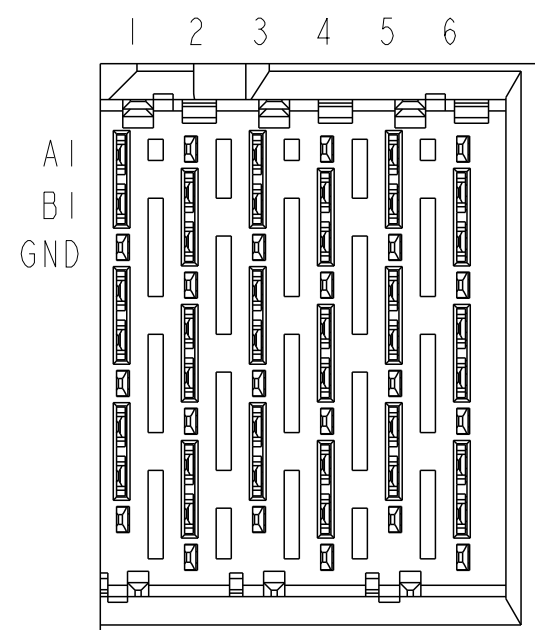


spec ref	-	dr	Marty Glass	2012/02/02	projection	MM	size	A2	scale	5:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20	chr	-	ecn no	ELX-S-14229-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD	cat. no.	10119128	rev	B
TOLERANCES UNLESS OTHERWISE SPECIFIED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

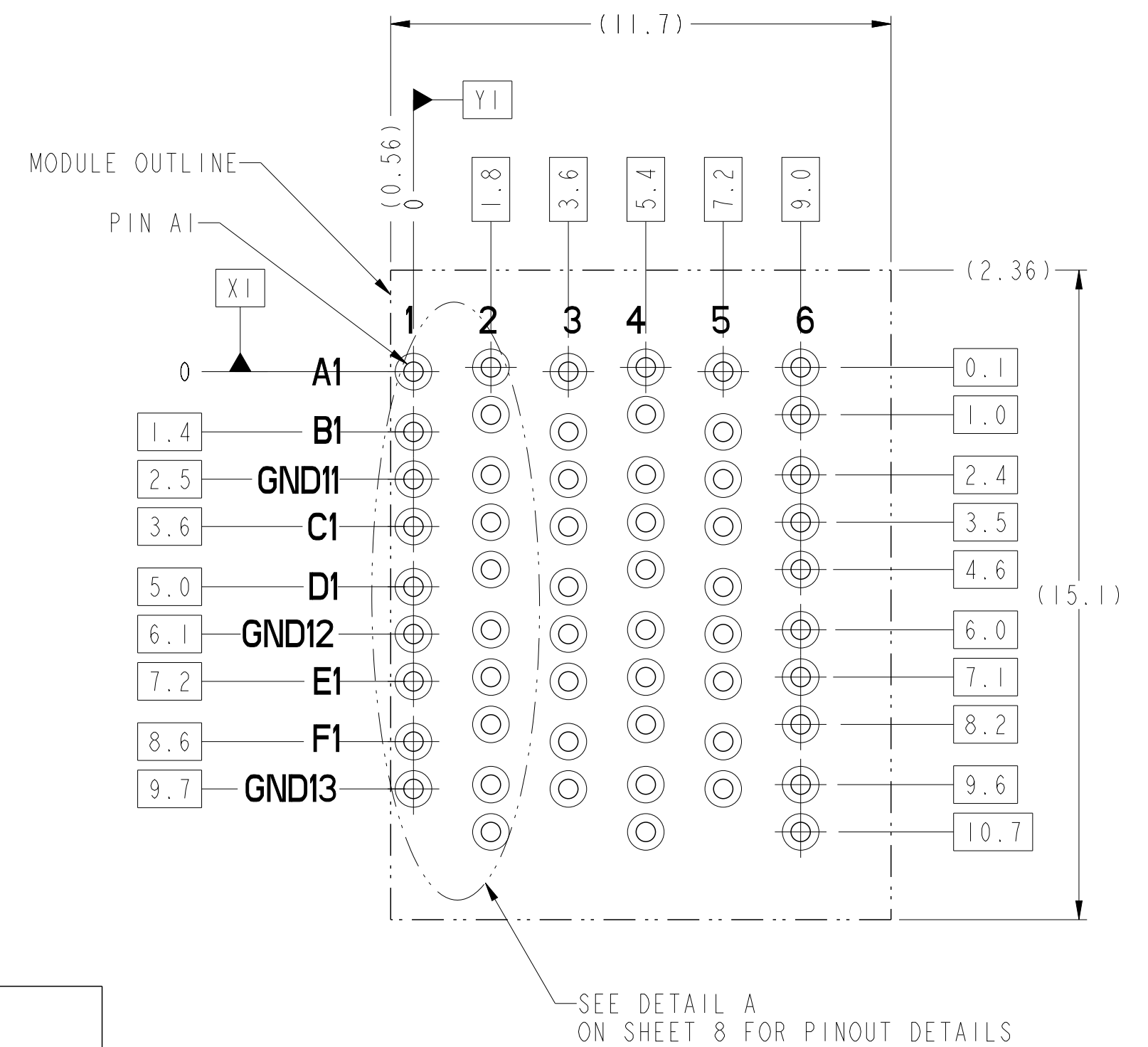
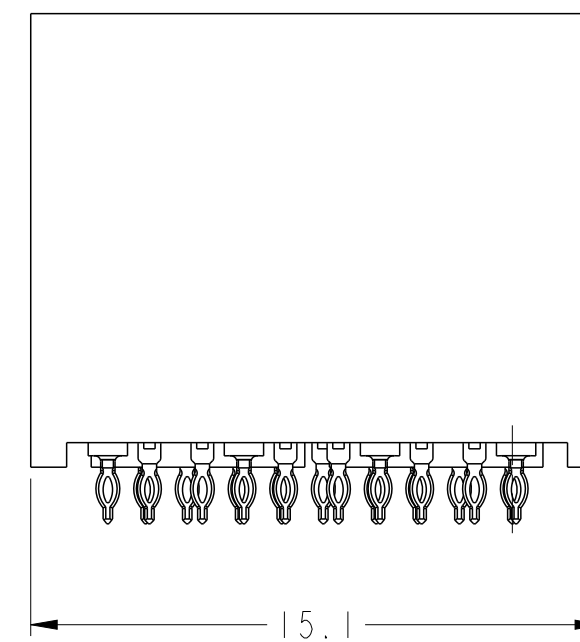
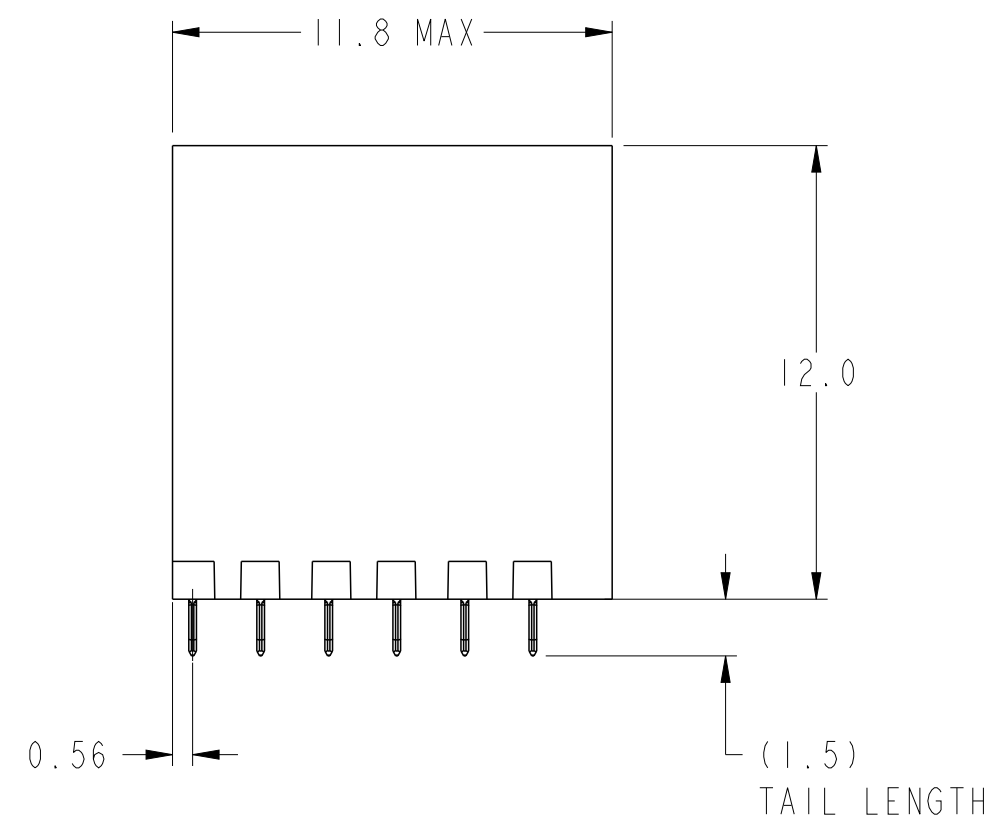
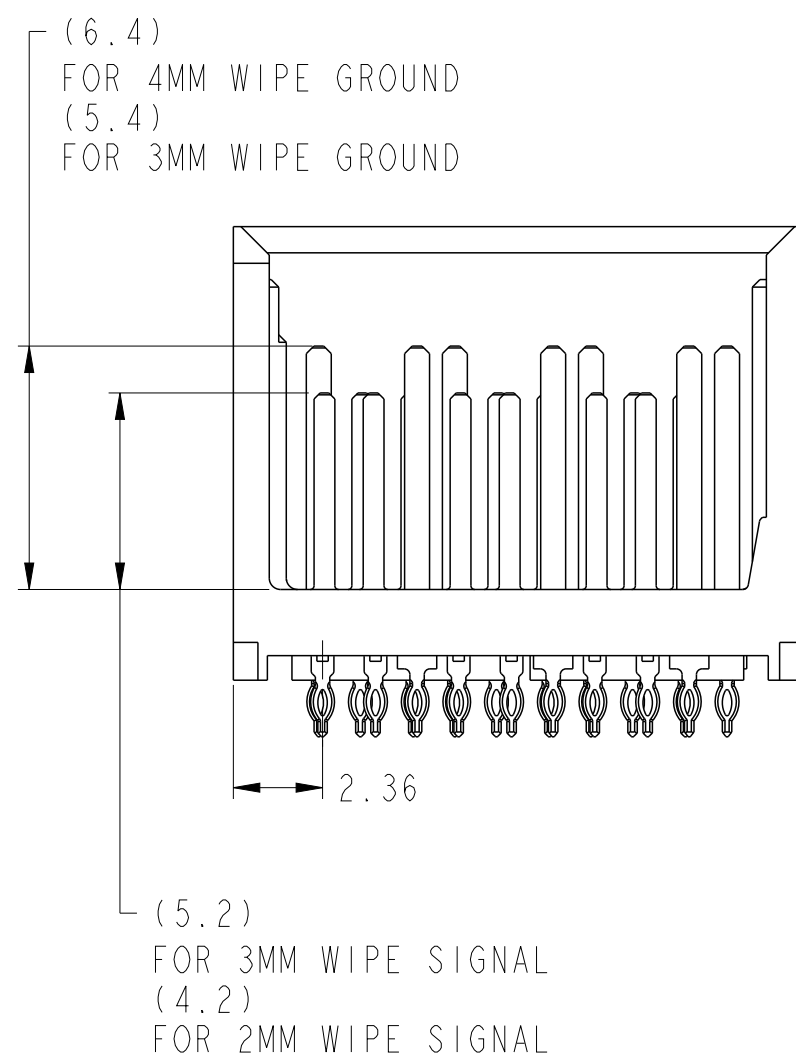
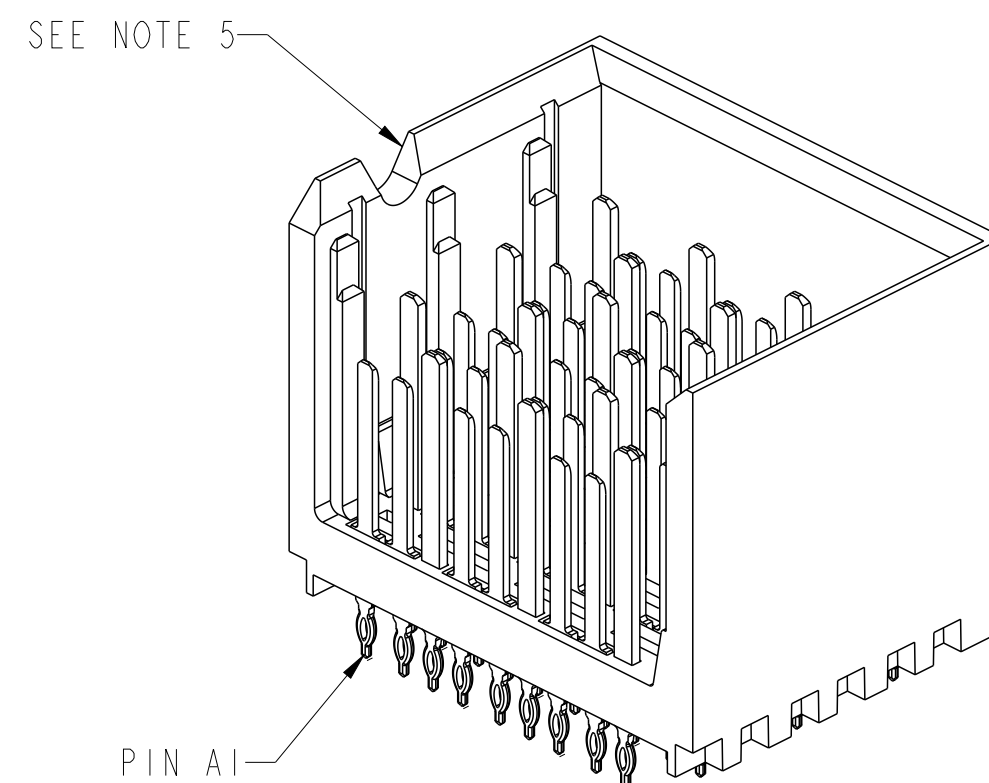
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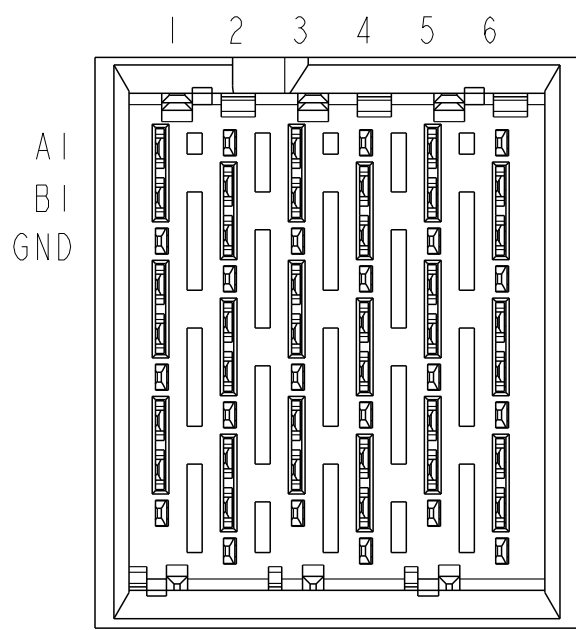
RIGHT WALL MODULE



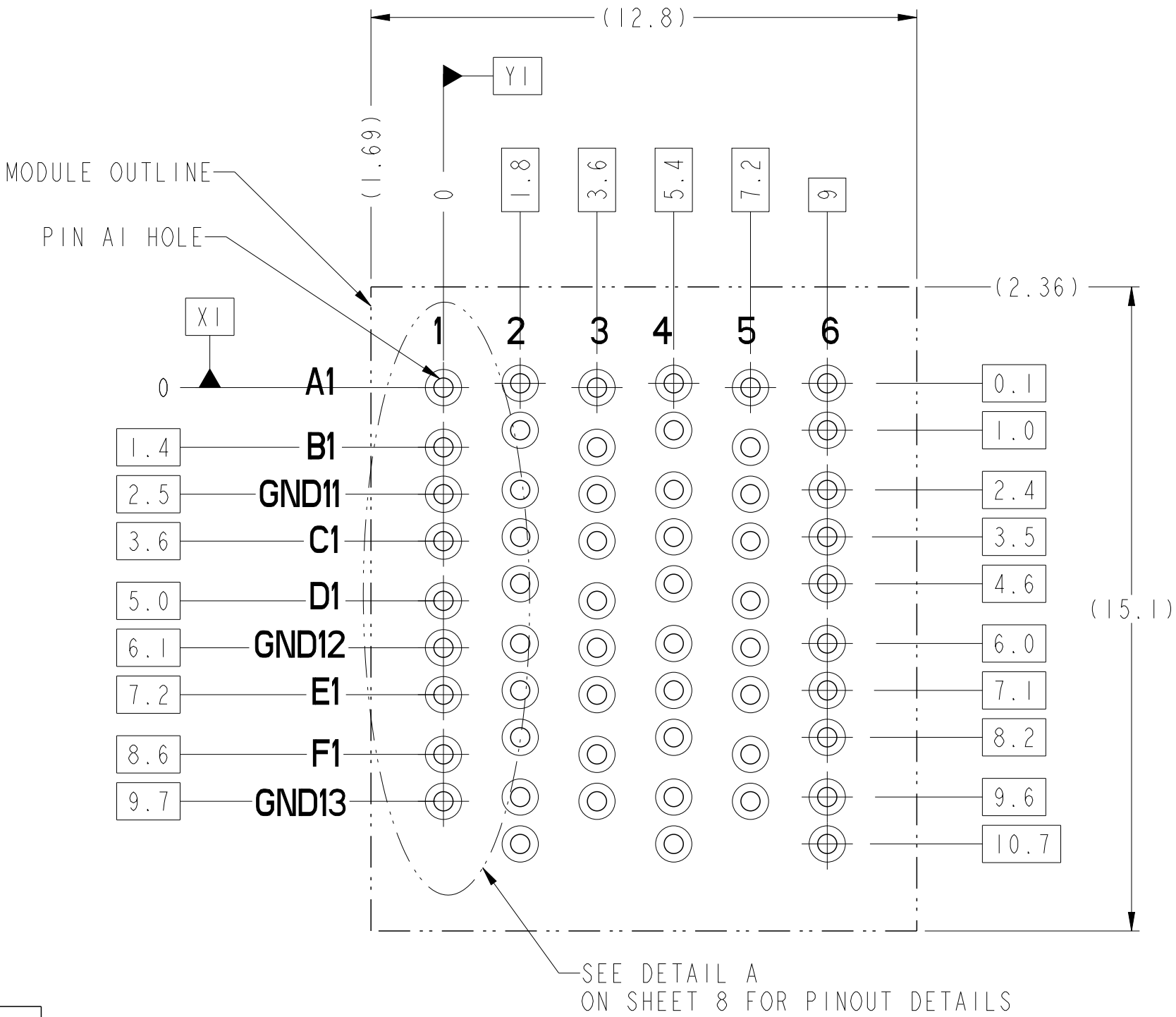
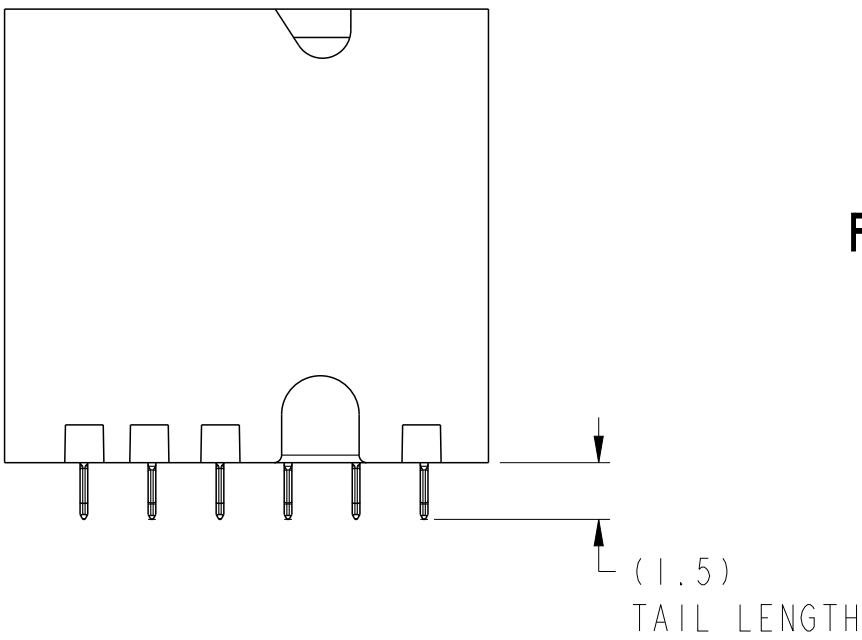
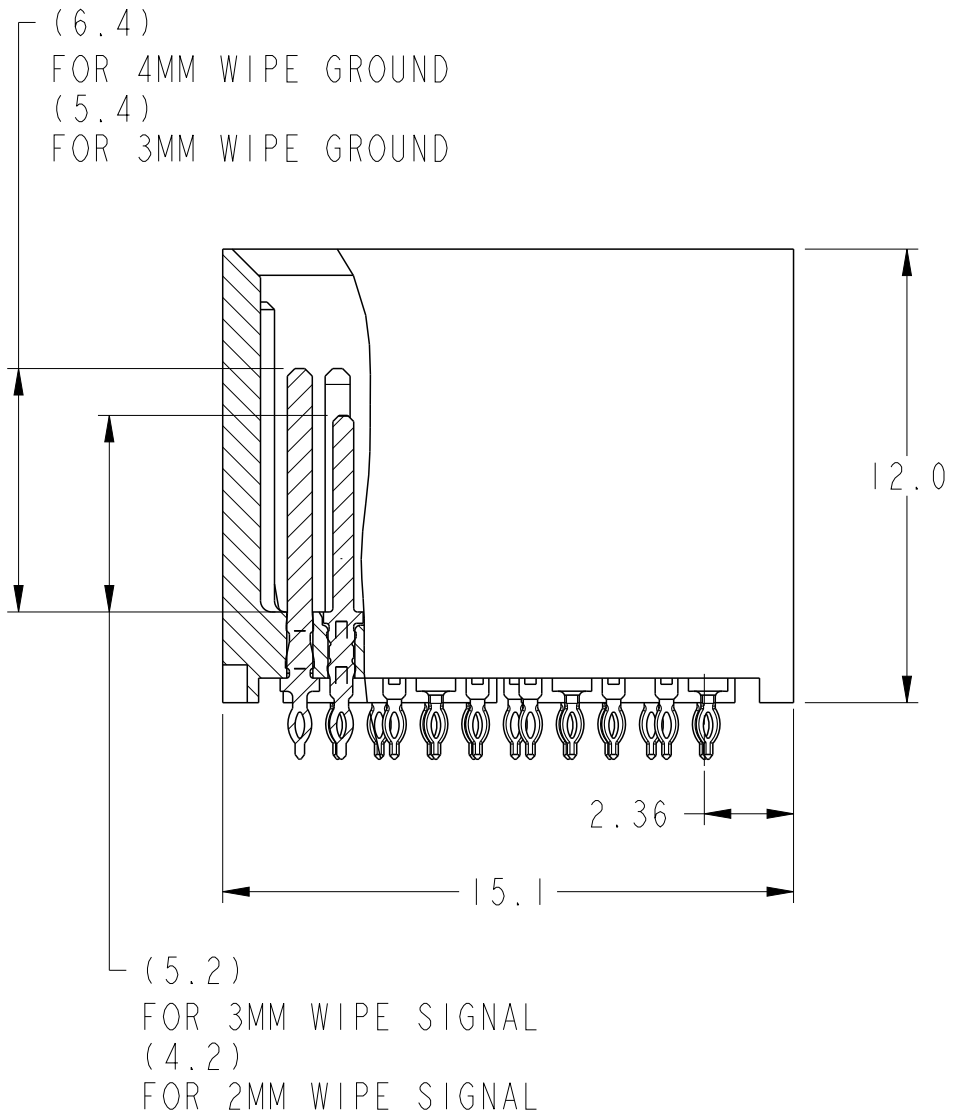
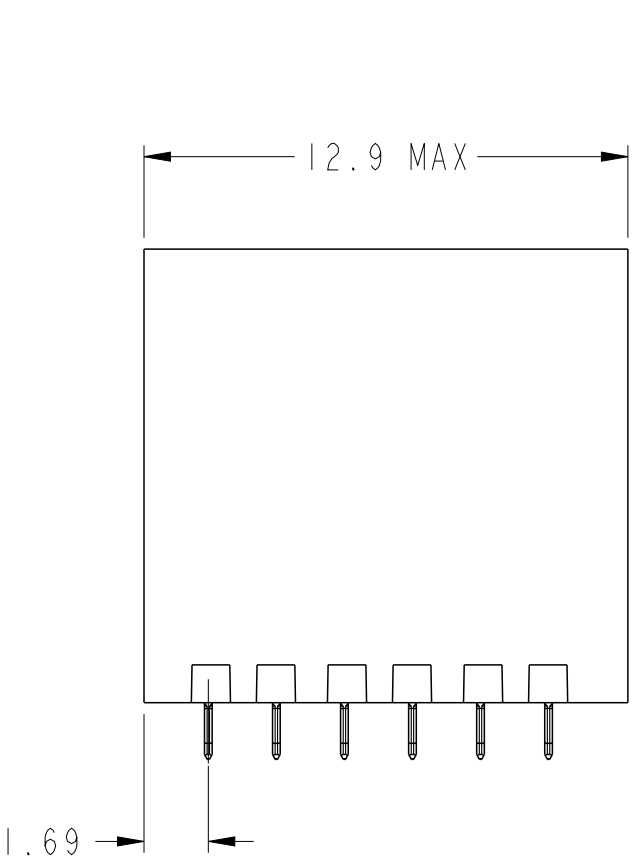
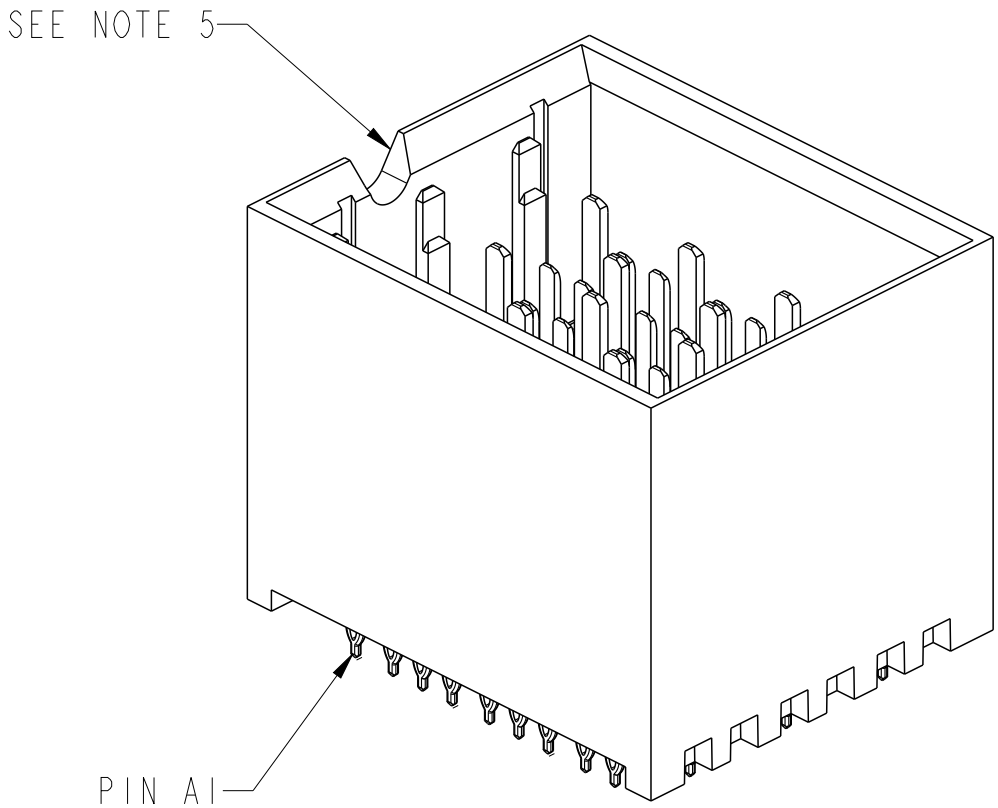
BP HOLE PATTERN COMPONENT SIDE
RIGHT WALL MODULE BACKPLANE FOOTPRINT

spec ref	-	dr	Marty 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-S-14229-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD	cat. no.	10119128	rev	B
TOLERANCES UNLESS OTHERWISE SPECIFIED		linear		0.X	±0.3	FCI XCED HD VERTICAL HEADER 3 PAIR, 6 COLUMN STITCH HEADER				
				0.XX	±0.10					
				0.XXX	±0.05					
		angular		0°	±2°					

A
B
C
D
E
F



FOUR WALL MODULE



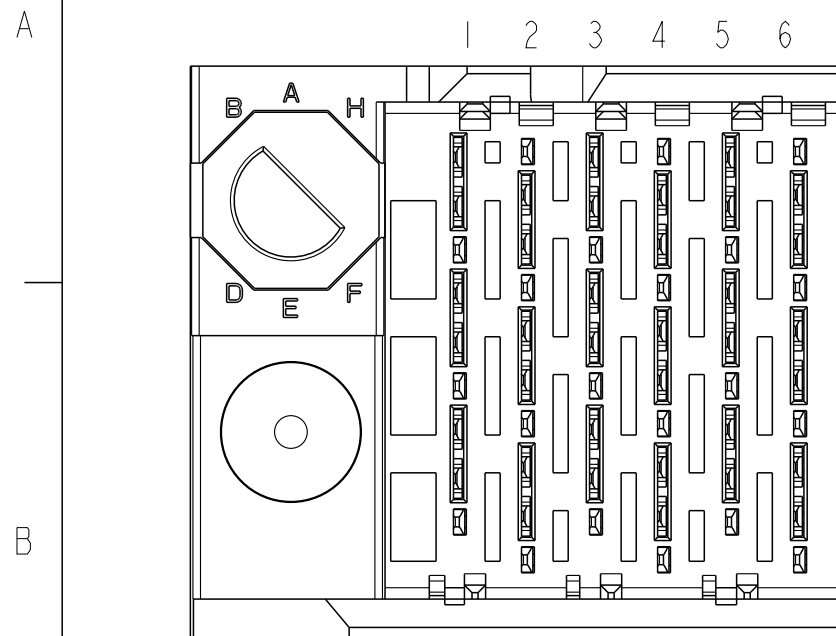
BP HOLE PATTERN COMPONENT SIDE

FOUR WALL MODULE BACKPLANE FOOTPRINT



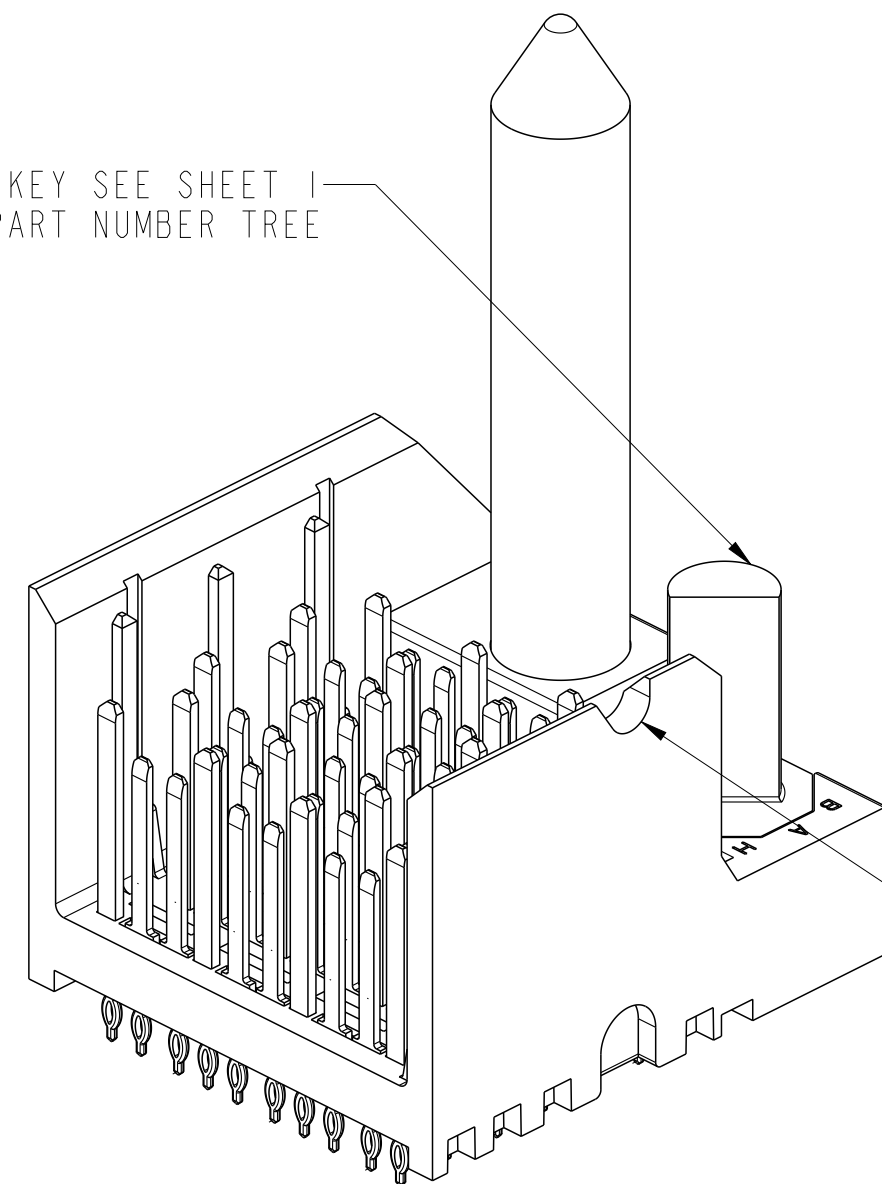
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spec ref	-	dr	Marty Glass	2012/02/02	projection	MM	size	A2	scale	5:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20	chr	-	ecn no	ELX-S-14229-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD	cat.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

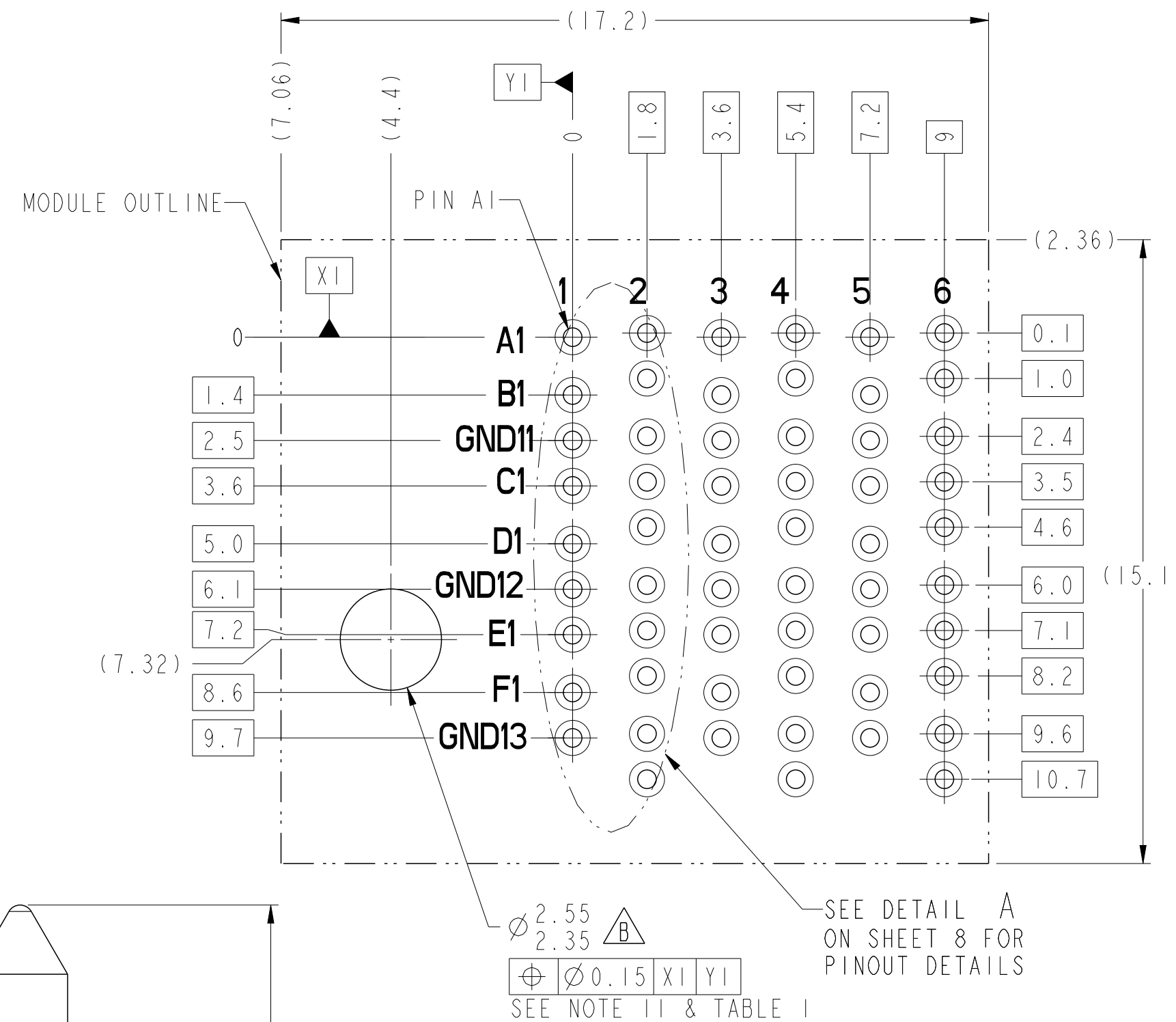


LEFT POLARIZING / GUIDE MODULE

OPTIONAL KEY SEE SHEET 1
PART NUMBER TREE

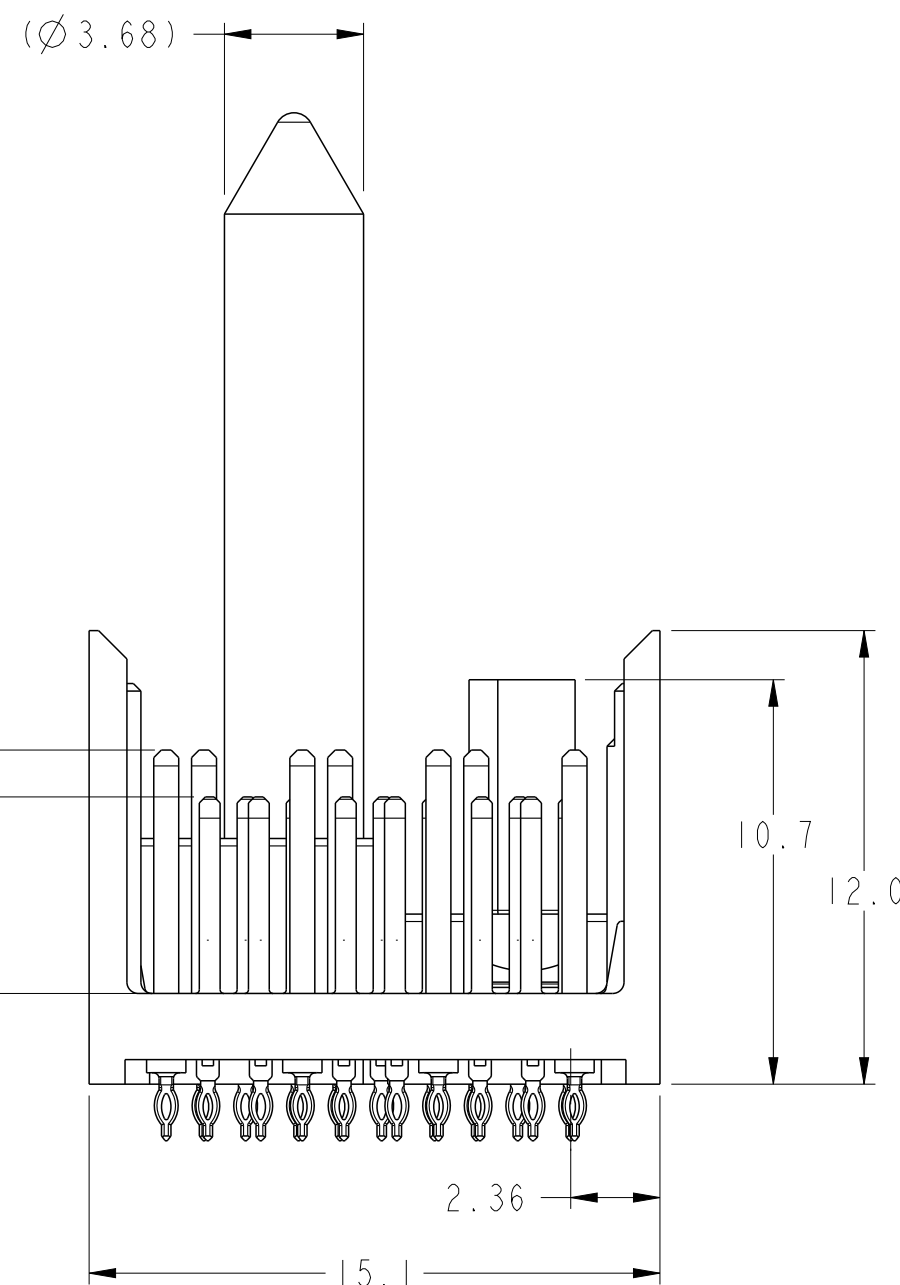
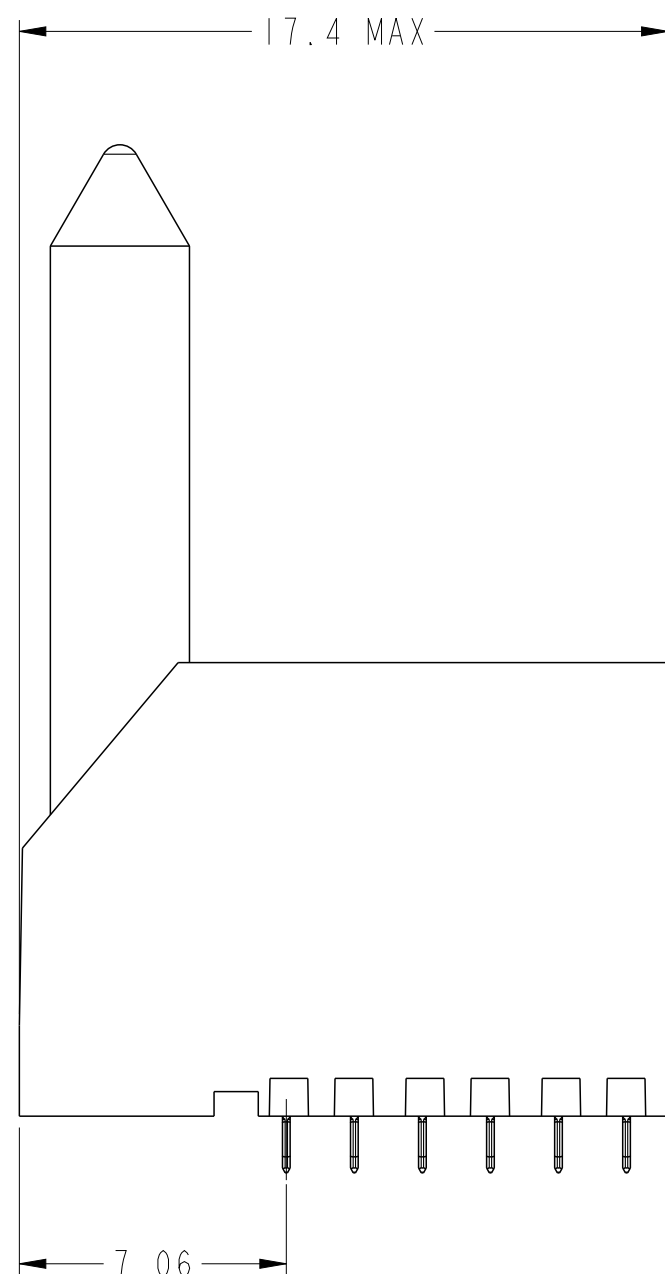


SEE NOTE 5



BP HOLE PATTERN COMPONENT SIDE

LEFT POLARIZING / GUIDE MODULE
BACKPLANE FOOTPRINT



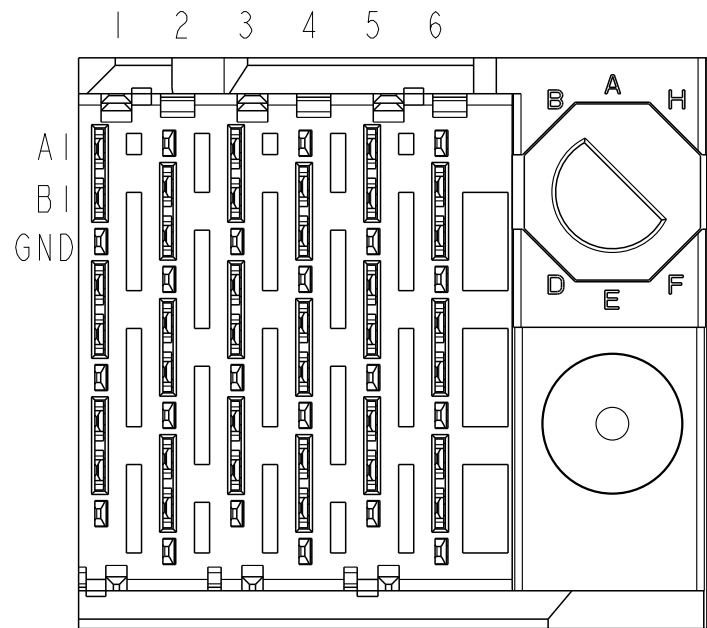
(5.2)
FOR 3MM WIPE SIGNAL
(4.2)
FOR 2MM WIPE SIGNAL
(6.4)
FOR 4MM WIPE GROUND
(5.4)
FOR 3MM WIPE GROUND

spec ref	-	dr	Marty Glass	2012/02/02	projection	MM	size	A2	scale	5:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20	chr	-	ecn no	ELX-S-14229-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD	rel level	Released	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 6 of 8		

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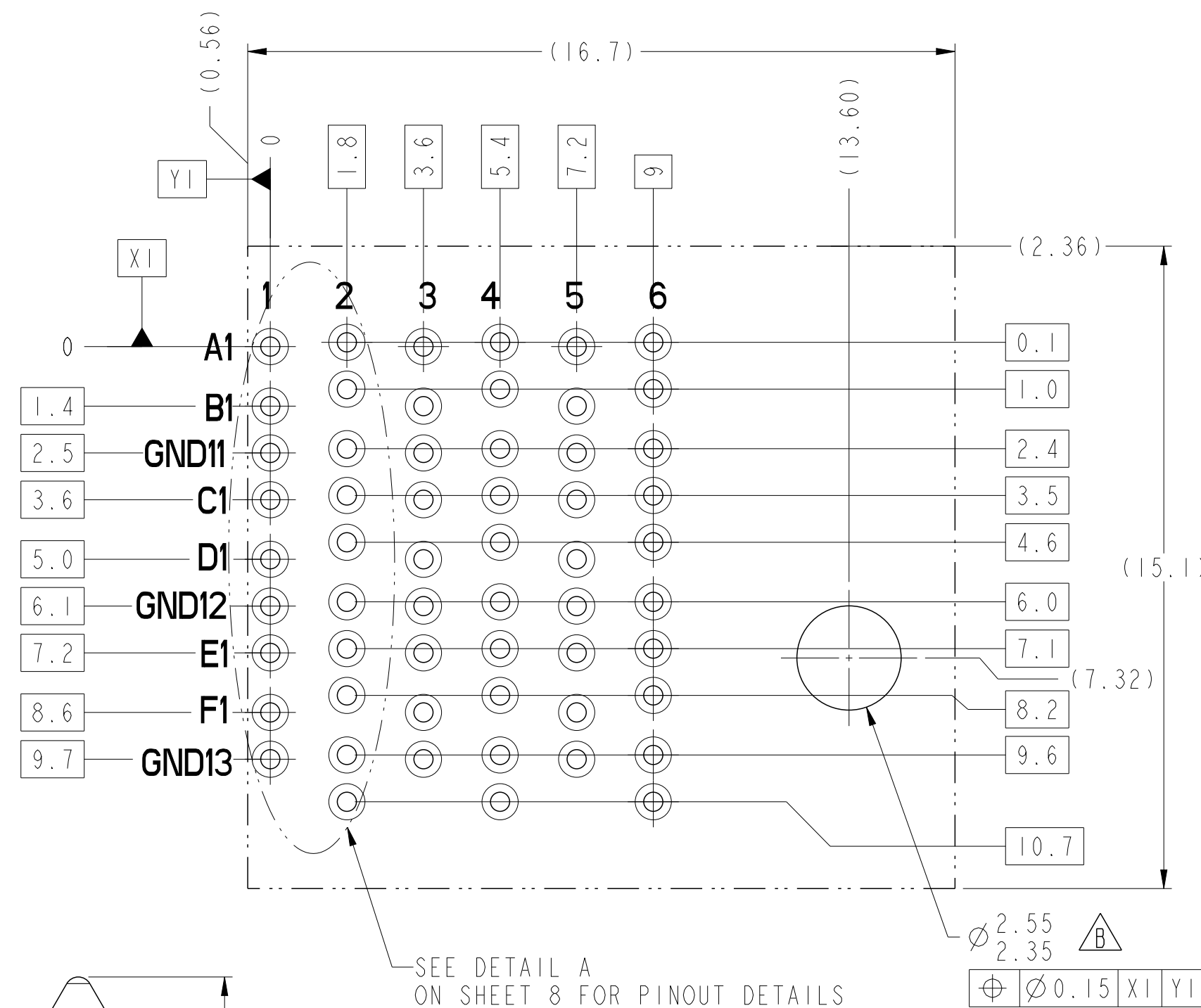
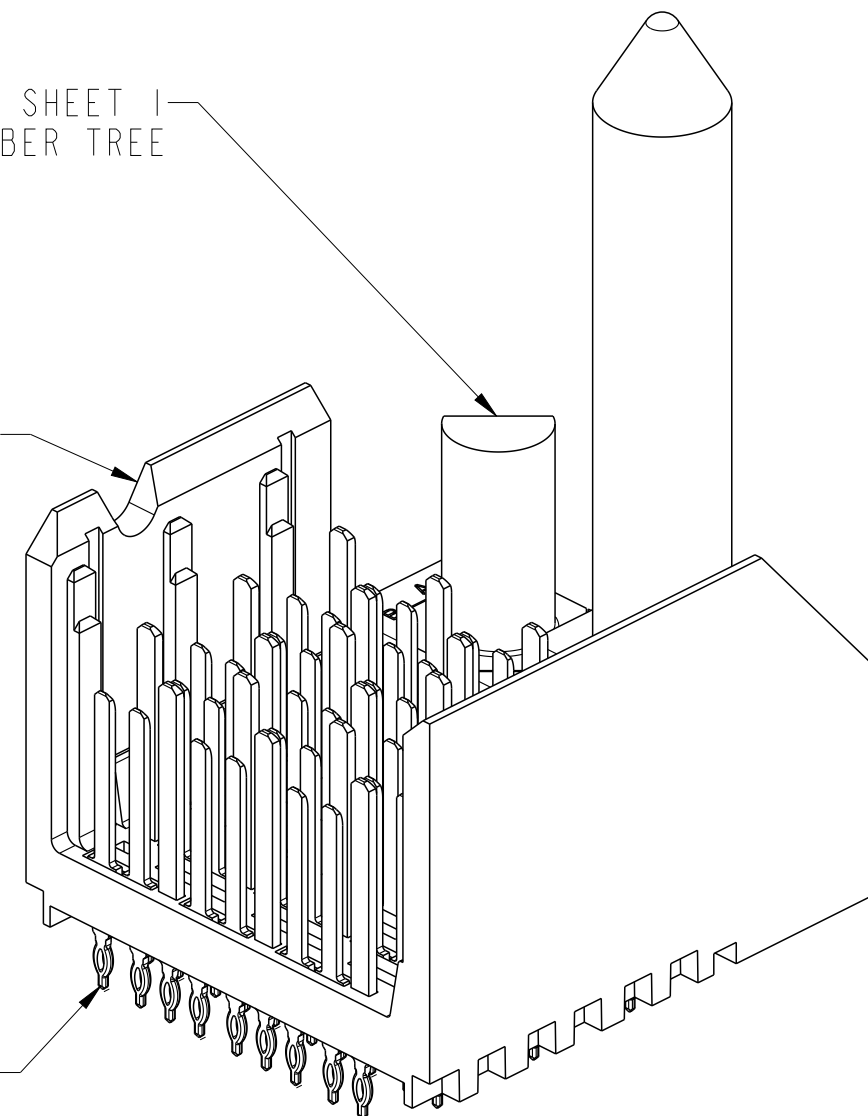


RIGHT POLARIZING / GUIDE MODULE

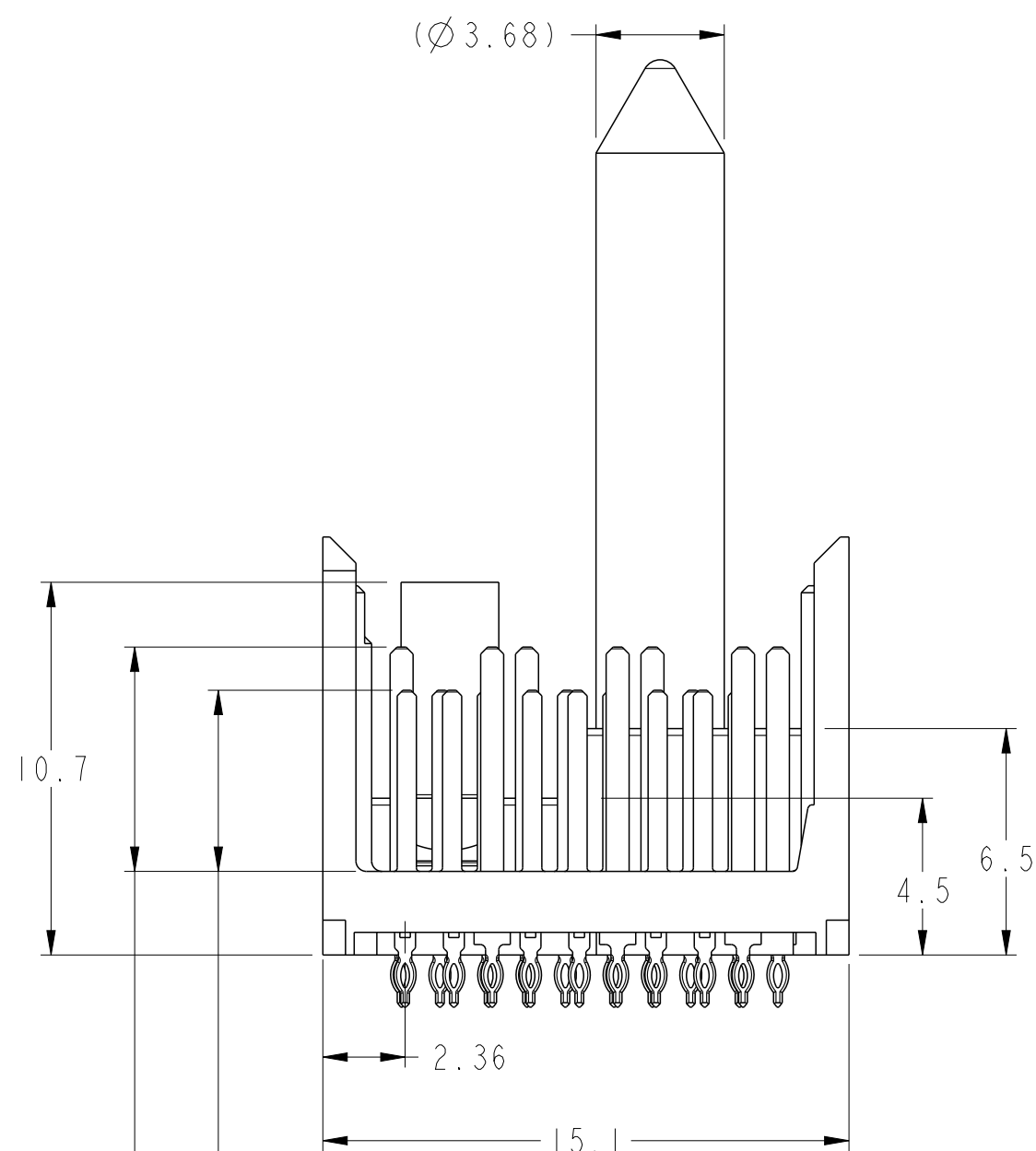
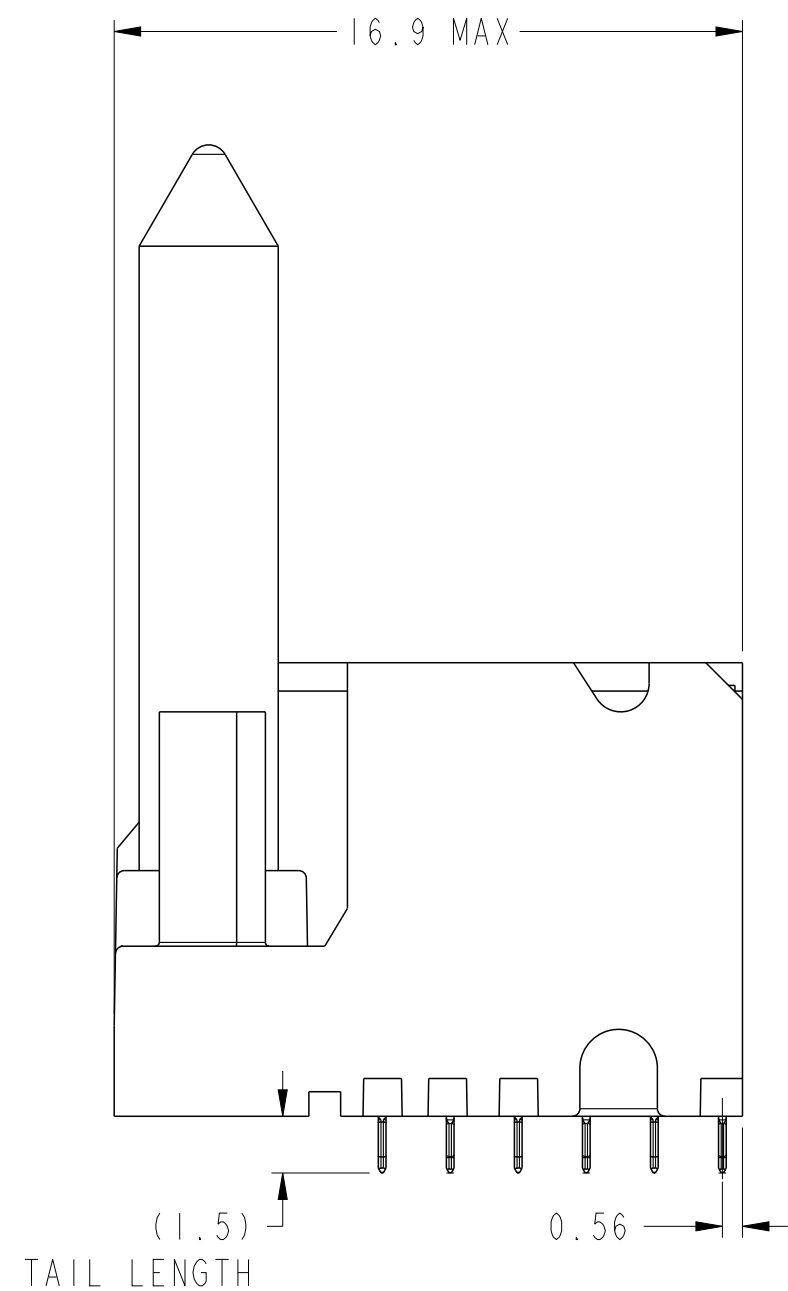
OPTIONAL KEY SEE SHEET 1
PART NUMBER TREE

SEE NOTE 5

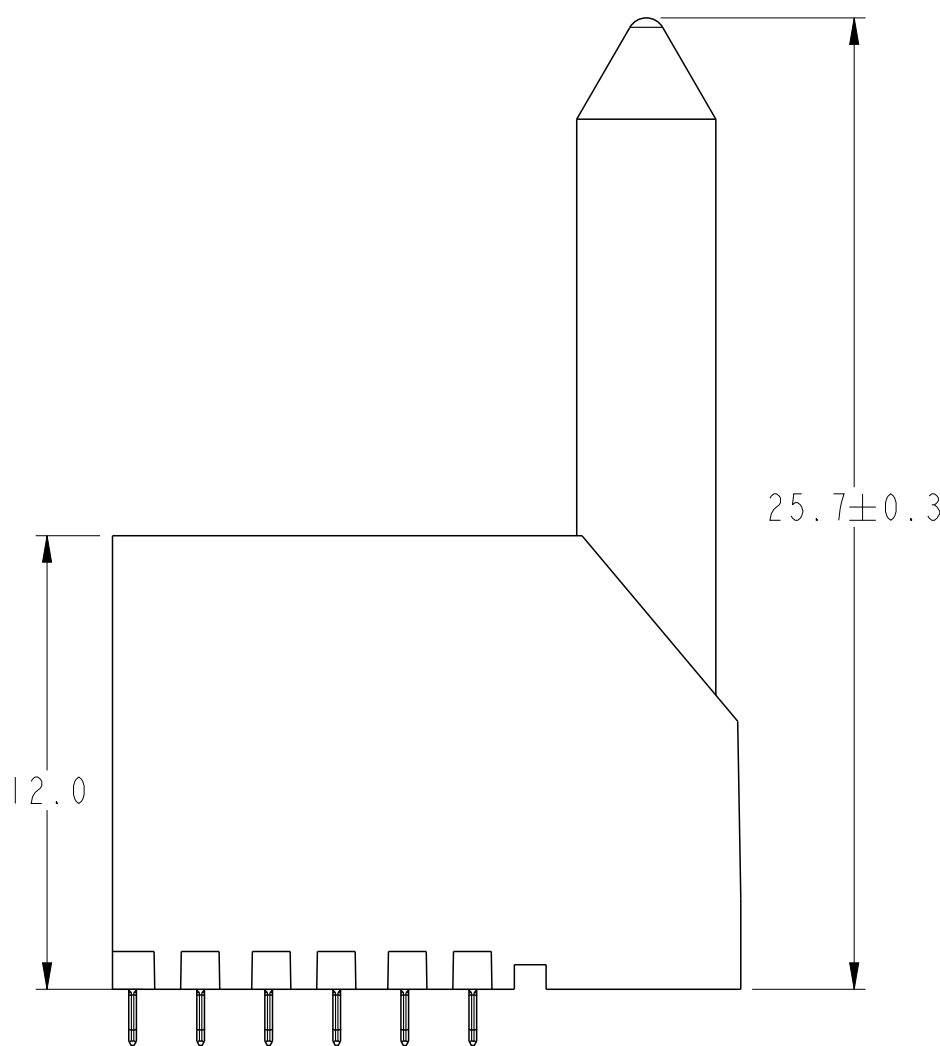
PIN A1



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

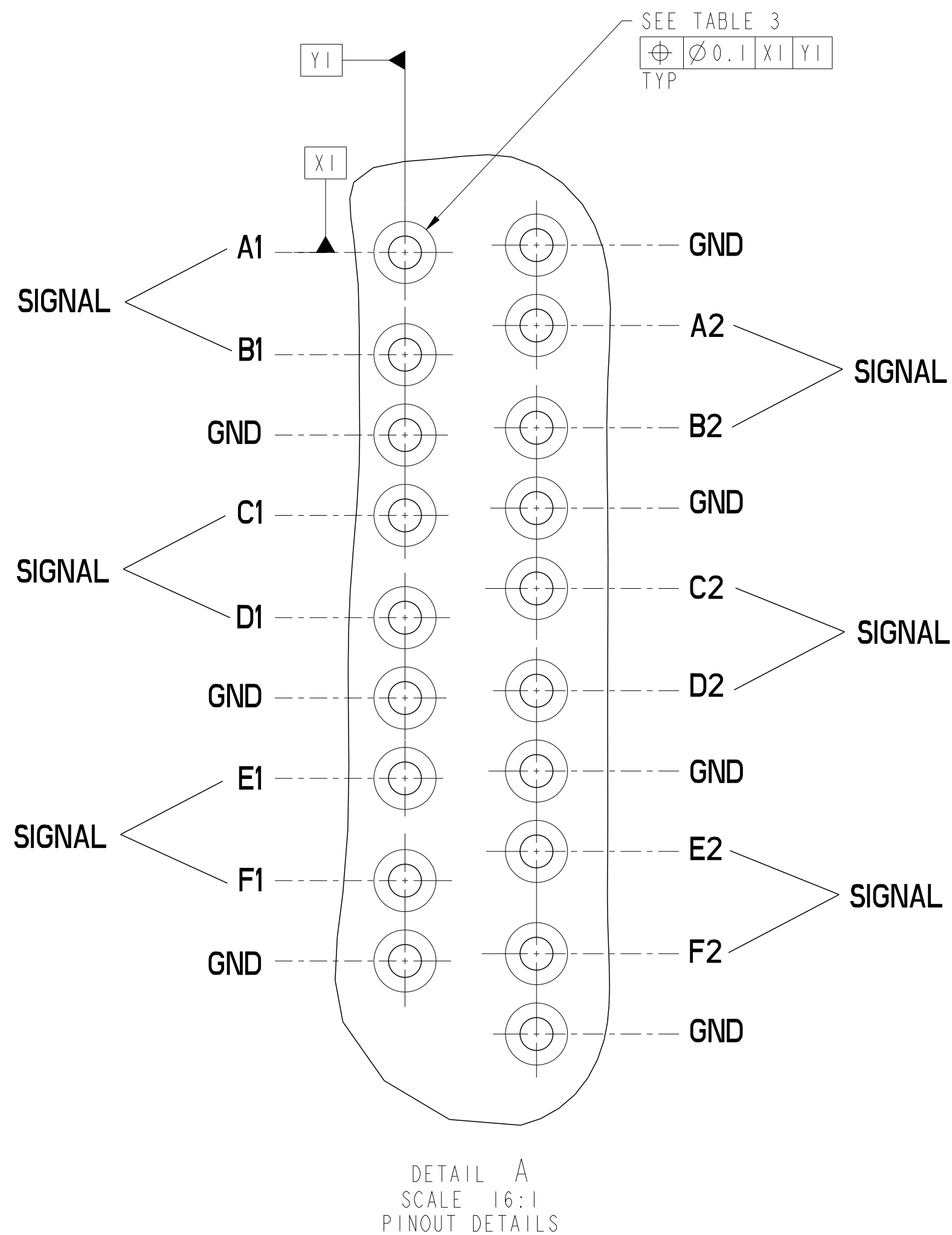
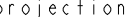


TABLE 3		
	COMPLIANT PIN DRILL Ø0.55[0.0217"]	COMPLIANT PIN DRILL Ø0.45[0.0117"]
PTH	Ø0.45±0.05	Ø0.36±0.05
DRILL	Ø0.55[0.0217"]	Ø0.45[0.0117"]
PAD	Ø0.85	Ø0.75

NOTES:

1. CONNECTOR MATERIALS
SHROUD : HIGH-TEMP POLYMER, COLOR : BLACK, UL94V-0
CONTACTS : HIGH PERFORMACE COPPER ALLOY
2. PRODUCT SPECIFICATION : GS-12-0936
3. APPLICATION SPECIFICATION : GS-20-0348
4. PRODUCT MARKING :
PART NUMBER (10119128-X0C-XXXLF)
"FCI" AND DATE CODE (FCI P#####)
- ⑤ NOTCH DESIGNATES "ROW A" SIDE OF CONNECTOR. NOTCH FEATURE
ON OPPOSITE FOR PRODUCT MARKING.
- ⑥ PLATING THICKNESS OF SIGNAL & GROUND CONTACT ARE DETERMINED
BY PLATING CODE, REFER TO P/N TREE ON SHEET 1.
7. PACKAGING MEETS GS-14-920 LEAD-FREE LABELING SPECIFICATION.
- ⑧ 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".
- ⑨ SEE APPLICATION SPECIFICATION FOR ROUTING GUIDELINES, ADDITIONAL
PTH GUIDELINES, MATED DIMENSIONS, GUIDE PIN SELECTION, ETC.
10. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE THAT
HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.
-  ⑪. OPTIONAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE-PIN SUPPORT.
SEE TABLE 1 SHEET 1 FOR ADDITIONAL DETAILS.
-  ⑫ SCREW IS OPTIONAL AND ENGAGES WITH BOTTOM OF GUIDE PIN FROM BENEATH
THE PCB FOR ADDITIONAL GUIDE-PIN SUPPORT.

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

Mouser Electronics

Authorized Distributor

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10119128-Q0C-10DLF	10119128-C0C-10DLF	10119128-E0C-30DLF	10119128-A0C-50DLF	10119128-10C-60DLF
10119128-M0C-30DLF	10119128-L0C-40DLF	10119128-H0C-80DLF	10119128-V0C-40DLF	10119128-F0C-50DLF
10119128-P0C-80DLF	10119128-G0C-10DLF	10119128-F0C-80DLF	10119128-00C-30DLF	10119128-D0C-20DLF
10119128-T0C-80DLF	10119128-J0C-60DLF	10119128-Y0C-30DLF	10119128-B0C-50DLF	10119128-S0C-40DLF
10119128-P0C-70DLF	10119128-P0C-30DLF	10119128-V0C-80DLF	10119128-10C-80DLF	10119128-R0C-70DLF
10119128-A0C-30DLF	10119128-M0C-50DLF	10119128-00C-80DLF	10119128-C0C-60DLF	10119128-H0C-30DLF
10119128-E0C-70DLF	10119128-D0C-60DLF	10119128-A0C-80DLF	10119128-Q0C-60DLF	10119128-V0C-50DLF
10119128-D0C-70DLF	10119128-G0C-50DLF	10119128-C0C-20DLF	10119128-B0C-70DLF	10119128-T0C-10DLF
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10119128-10C-20DLF	10119128-G0C-40DLF	10119128-L0C-70DLF	10119128-	J0C-50DLF
10119128-00C-20DLF	10119128-J0C-20DLF	10119128-D0C-50DLF	10119128-F0C-60DLF	10119128-
Y0C-10DLF	10119128-P0C-50DLF	10119128-B0C-60DLF	10119128-10C-30DLF	10119128-M0C-70DLF
10119128-Q0C-20DLF	10119128-00C-40DLF	10119128-H0C-10DLF	10119128-A0C-10DLF	10119128-L0C-30DLF
10119128-	W0C-60DLF	10119128-C0C-50DLF	10119128-A0C-20DLF	10119128-J0C-30DLF
10119128-E0C-20DLF	10119128-	C0C-70DLF	10119128-R0C-40DLF	10119128-Y0C-70DLF
10119128-B0C-30DLF	10119128-G0C-70DLF	10119128-	U0C-60DLF	10119128-F0C-10DLF
10119128-R0C-50DLF	10119128-B0C-40DLF	10119128-C0C-30DLF	10119128-	F0C-20DLF