

1 2 3 4 5 6 7 8  
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8-COLUMN DIFFERENTIAL SIGNAL

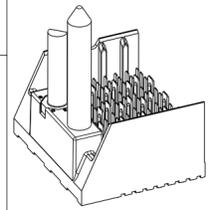
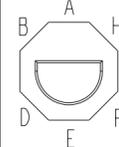
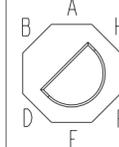
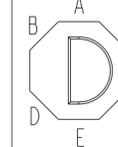
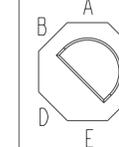
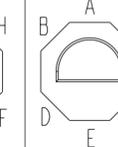
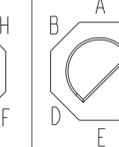
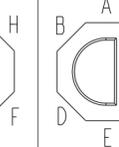
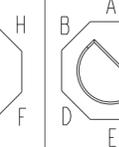
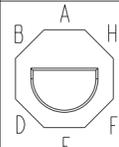
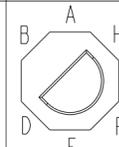
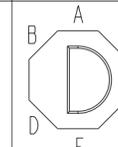
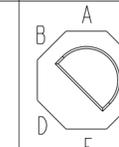
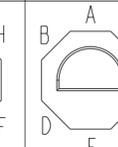
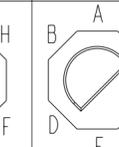
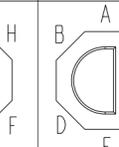
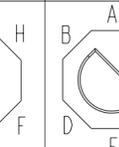
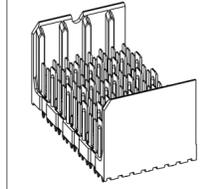
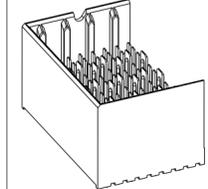
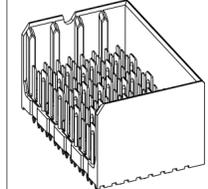
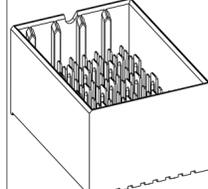
LEAD-FREE DESIGNATION ONLY WITH APPLICABLE PLATING CODES

LETTER	PERFORMANCE-BASED PLATING (SEE NOTE 2)	
	TARGET APPLICATION	LEAD FREE (LF)
K	TELCORDIA CO	NO
M	TELCORDIA CO	YES

NUMBER	GUIDE PIN STYLE (SEE NOTE 8)	NOT TOOLED
0	STANDARD GUIDE PIN, MACHINED	
1	STANDARD GUIDE PIN, ROLLED	

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

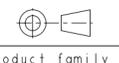
FOR CUSTOM-LOADED MODULES, SEE INDIVIDUAL CUSTOM DRAWINGS WITH THE DRAWING-NUMBER FORMAT OF 10130104-XXXX, WHERE: "X" DENOTES MODULE TYPE PER CHART ON THIS SHEET "YYYY" IS A SEQUENTIAL NUMBER BEGINNING WITH "0001".

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)											

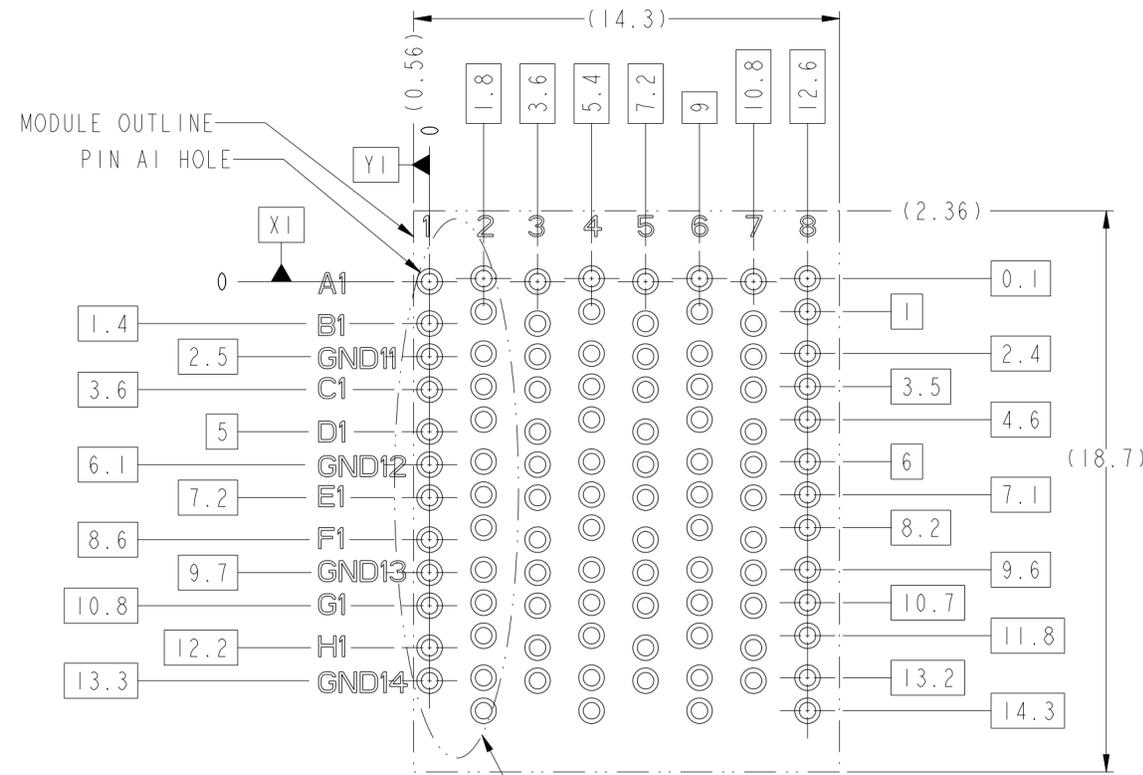
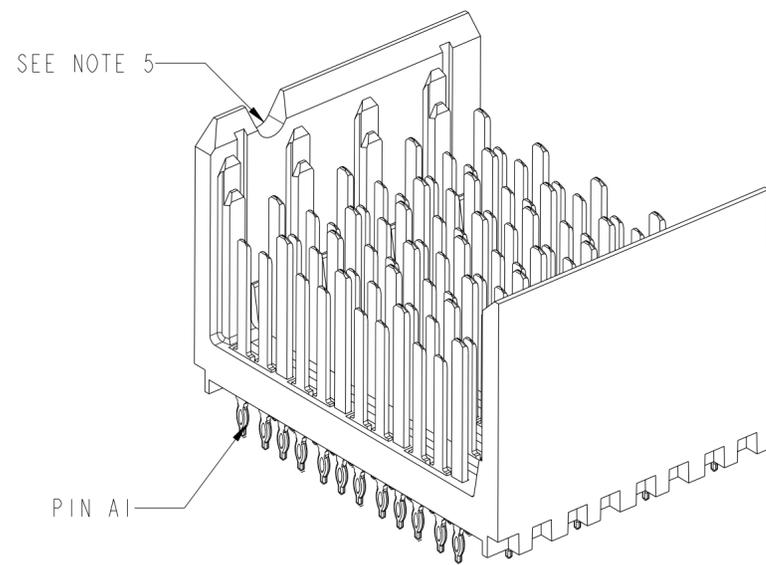
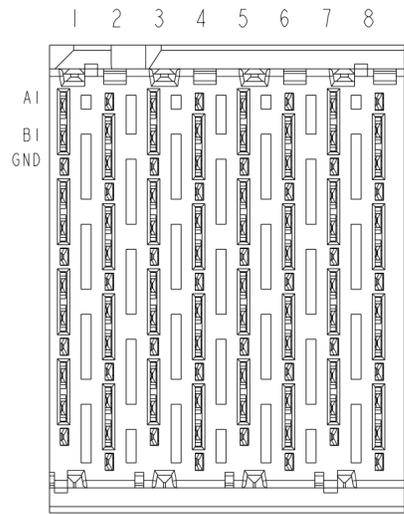
	UNGROUND	GROUND
FHS	Ø2.35-Ø2.55	Ø2.35-Ø2.55
PAD	N/A	Ø5.50
PLATED	NO	YES
DRILL(mm)	2.44mm	2.58mm
DRILL(in)	0.096"	0.1015"

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		TOLERANCES UNLESS OTHERWISE SPECIFIED		
tolerance std	ISO 406 ISO 1101	linear	0.X	±0.3
surface	ISO 1302	linear	0.XX	±0.10
		angular	0°	±2°

dr	Sandar Soe	2014/05/16	projection	mm	size	A2	scale	1:1
eng	Sandar Soe	2015/10/30			ecn no	ELX-S-18192-1	rel level	Released
chr	-	2015/11/02						
appr	Chen-Hong Tan	2015/11/02	product family	-	rel level	Released	rev no	10130104
		title MODULE ASSEMBLY, XCEDE HD Veritcal Header, 4 Pair 8 Column		dwg no 10130104	rev B	www.fci.com cat. no. - Product - Customer Drw sheet 1 of 8		

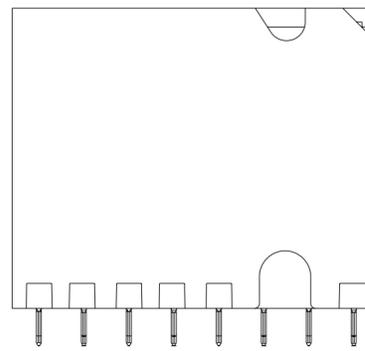
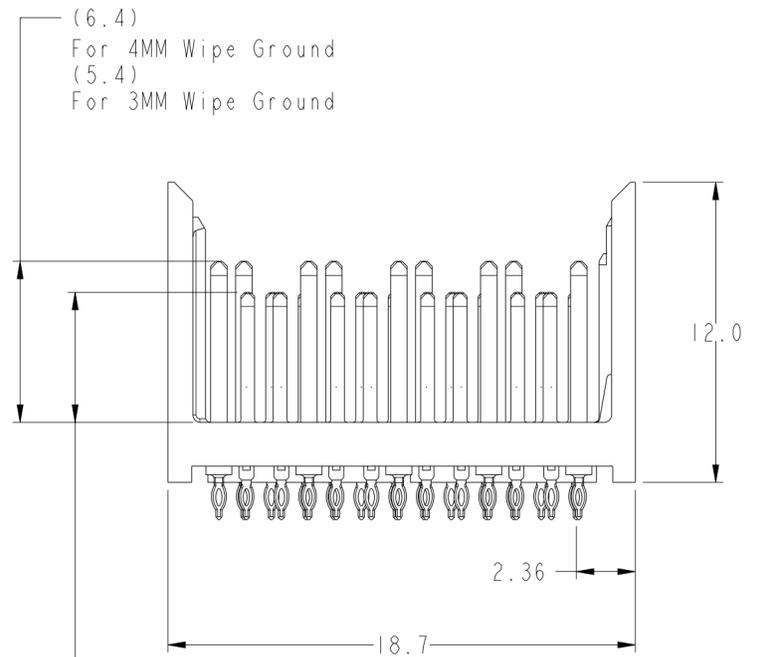
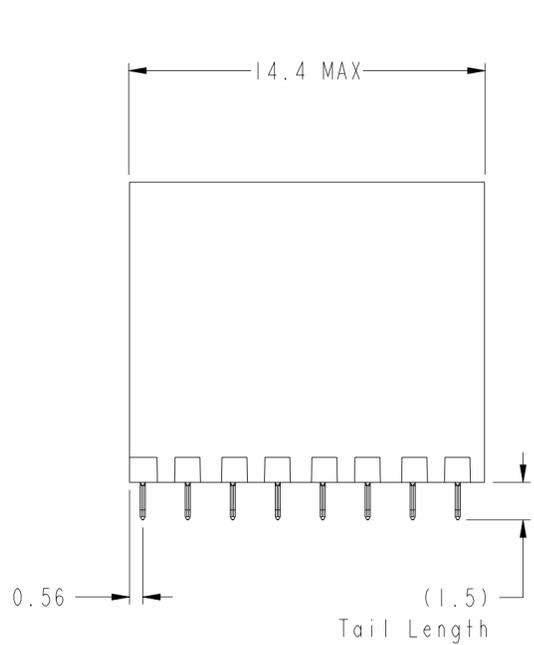
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OPEN WALL MODULE

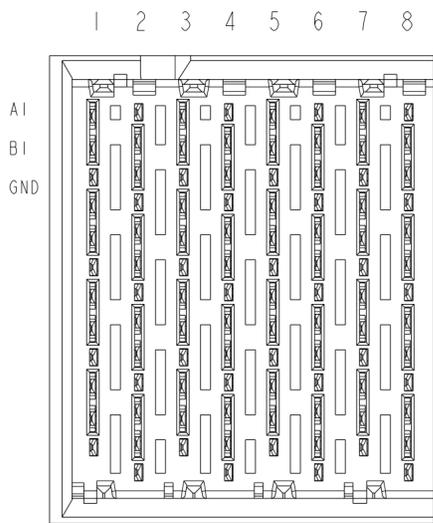
SEE DETAIL A  
On Sheet 8 For Details

BP HOLE PATTERN COMPONENT SIDE  
OPEN WALL MODULE BACKPLANE FOOTPRINT

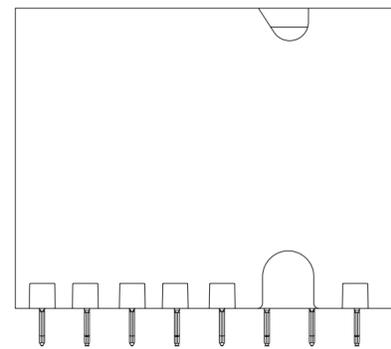
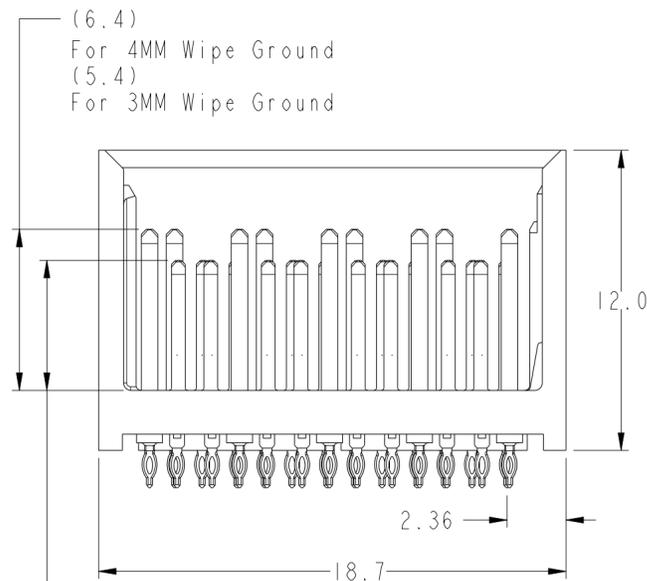
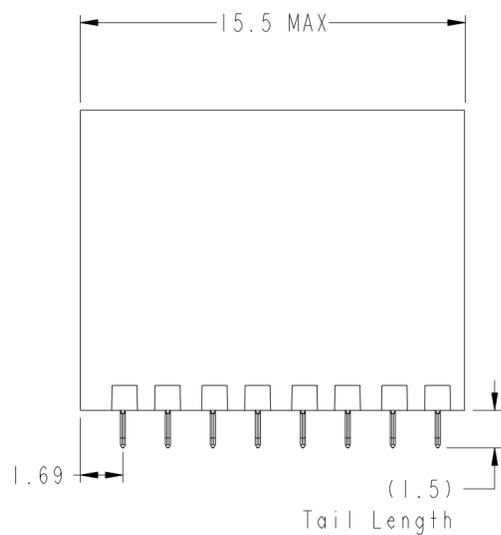
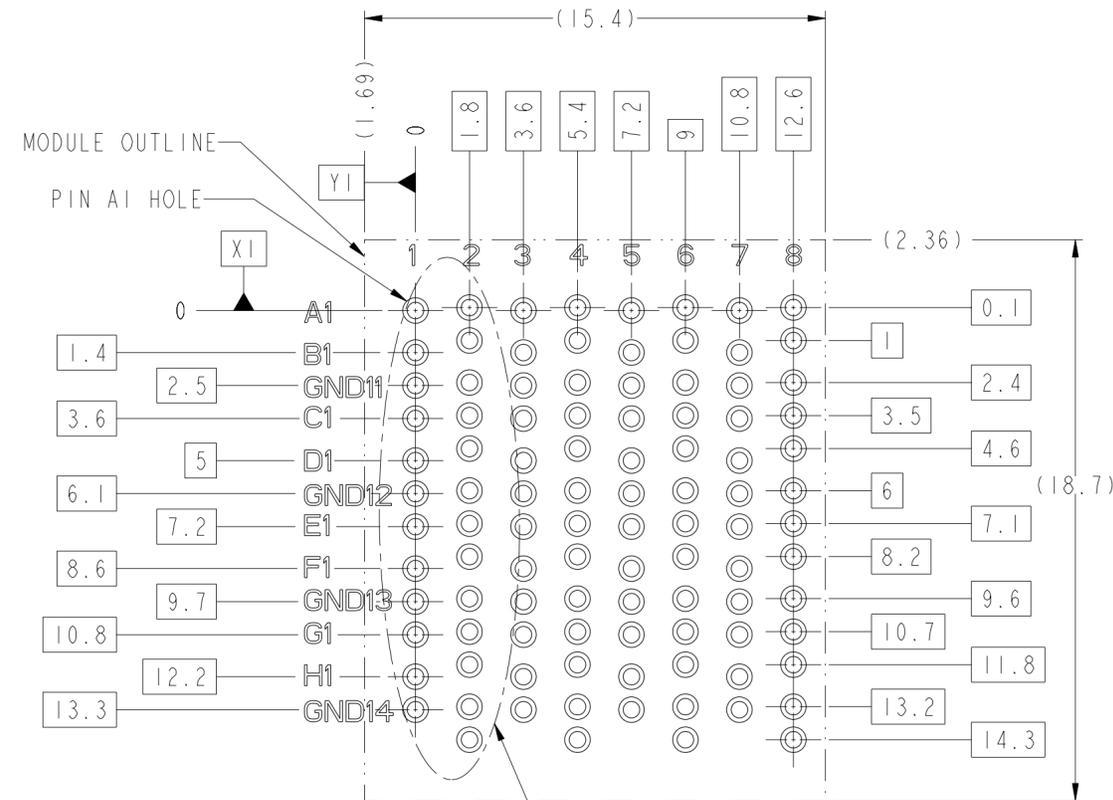
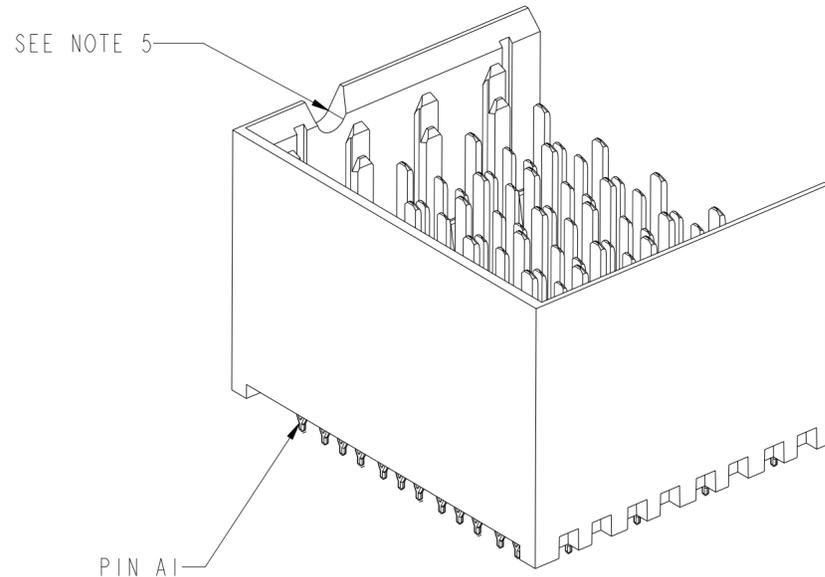


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TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	apppr							Chen-Hong Tan
surface	ISO 1302	linear	0.X	±0.3		title MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 8 Column	dwg no 10130104	rev B	Product - Customer Drw		
			0.XX	±0.10					cat. no.	-	sheet 2 of 8
		angular	0°	±2°					www.fci.com		



LEFT WALL MODULE

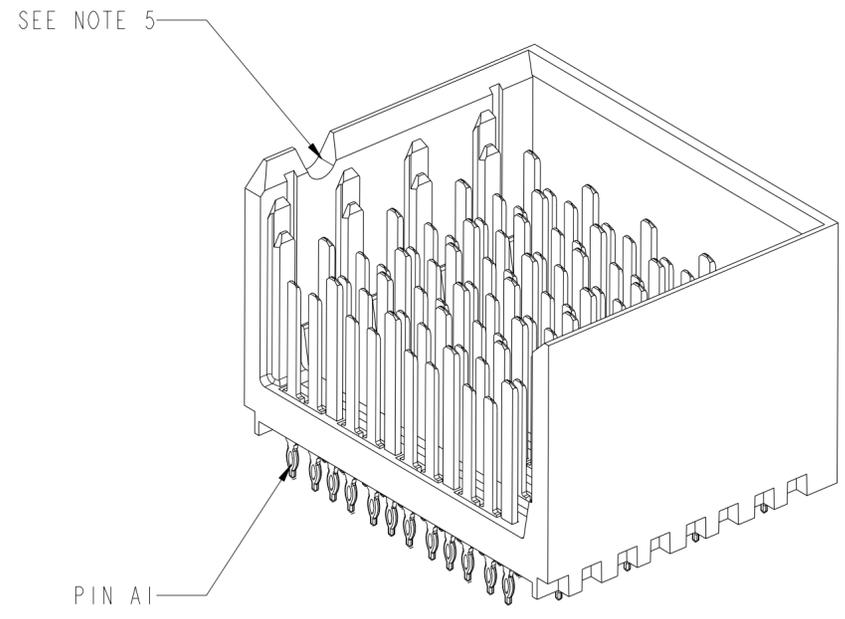
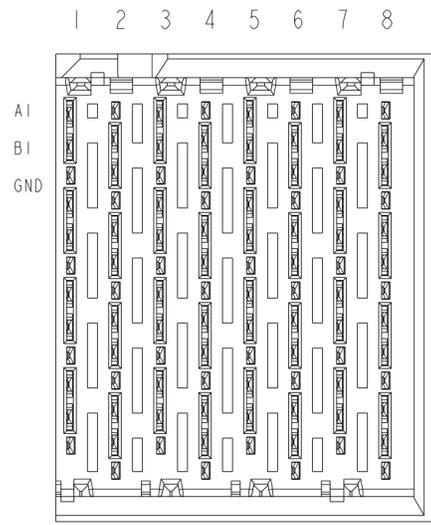


BP HOLE PATTERN COMPONENT SIDE  
LEFT WALL MODULE BACKPLANE FOOTPRINT

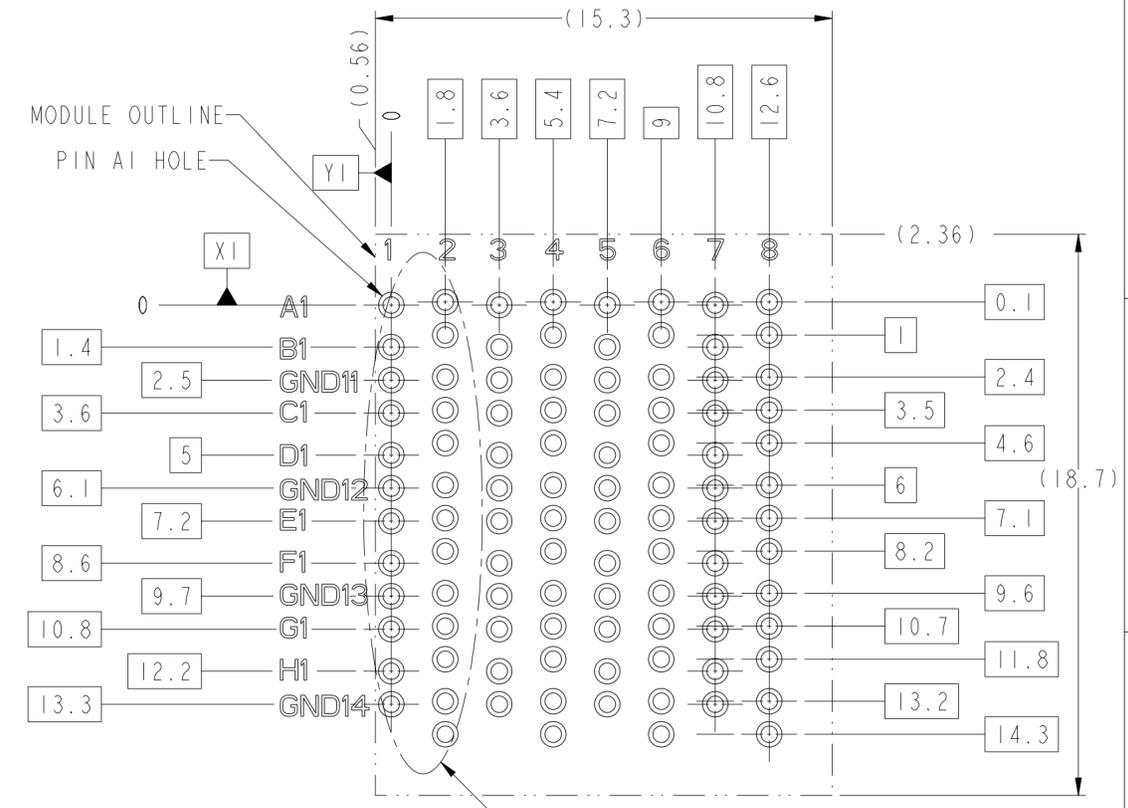


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TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr							Chen-Hong Tan	2015/11/02	product family
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		angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 3 of 8				



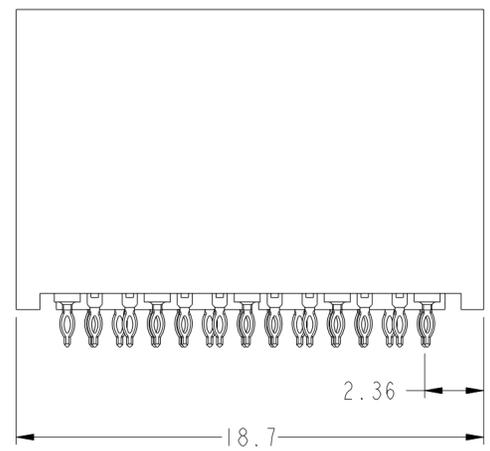
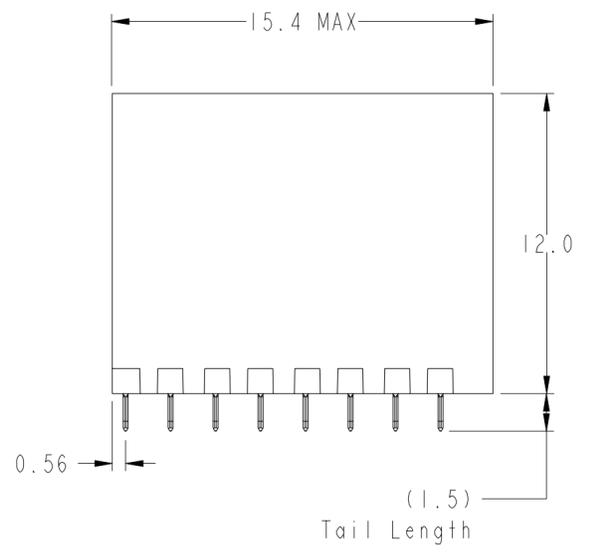
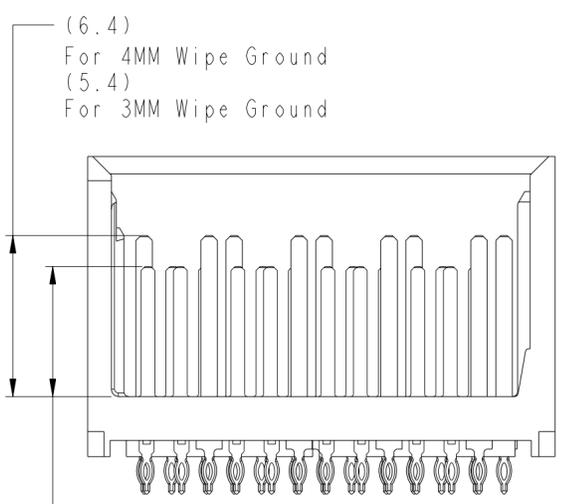
RIGHT WALL MODULE



SEE DETAIL A  
On Sheet 8 For Details

BP HOLE PATTERN COMPONENT SIDE

RIGHT WALL MODULE BACKPLANE FOOTPRINT



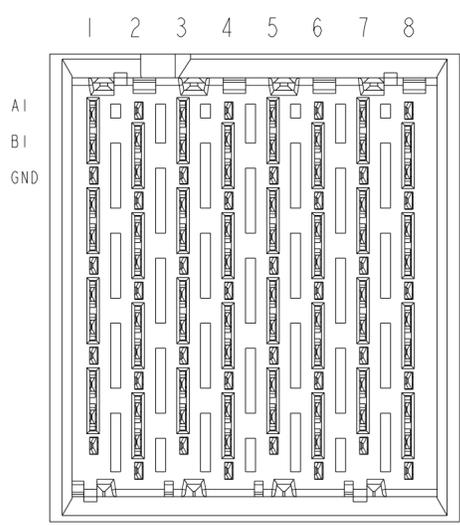
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		angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 4 of 8				

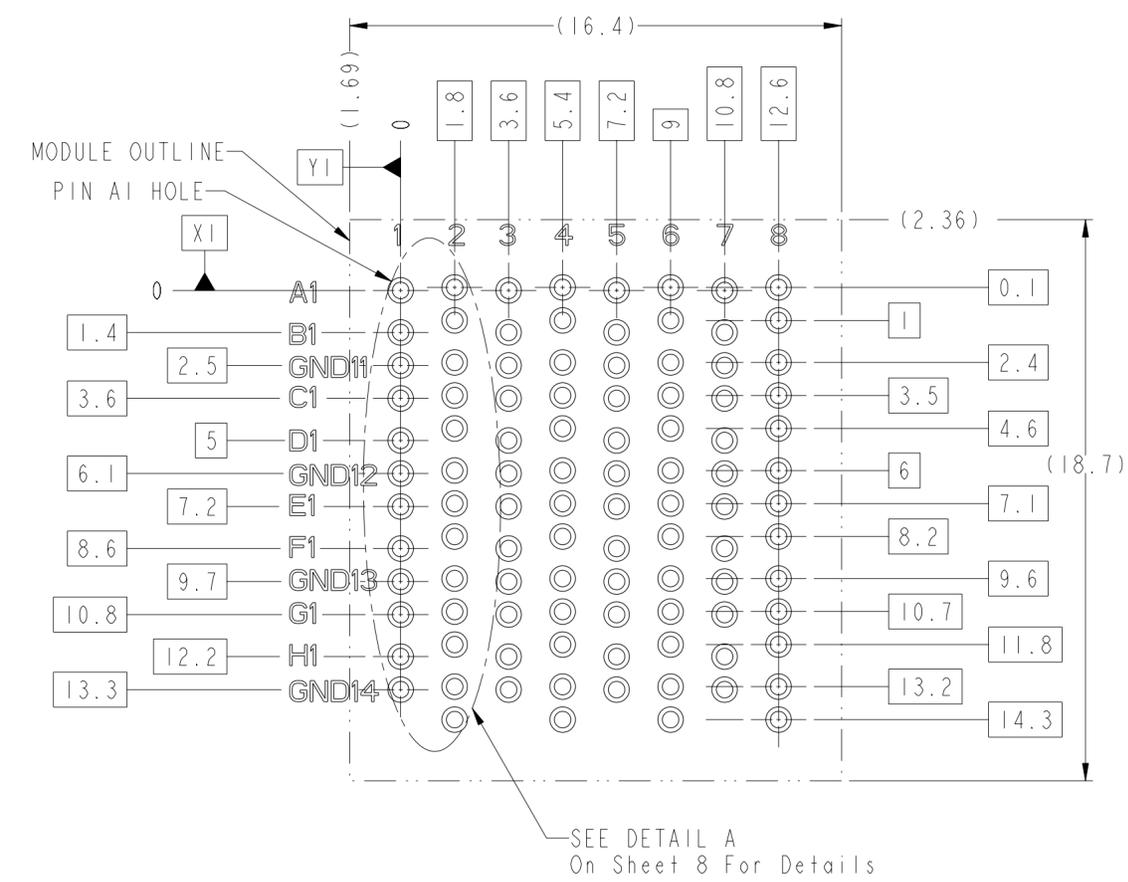
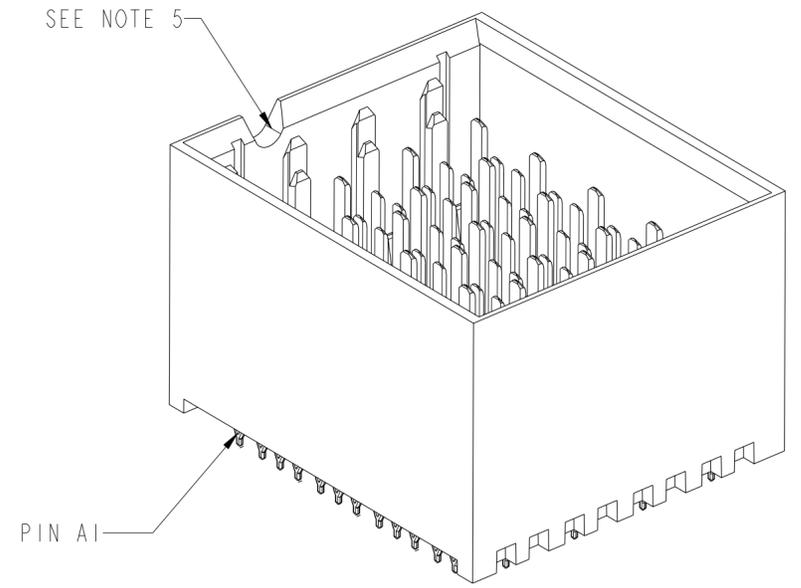
PDS: Rev :B

STATUS:Released

Printed: Nov 03, 2015

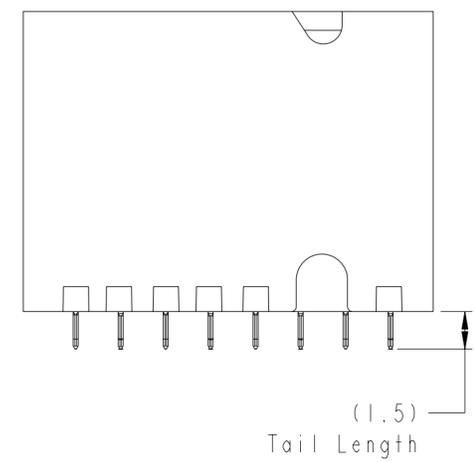
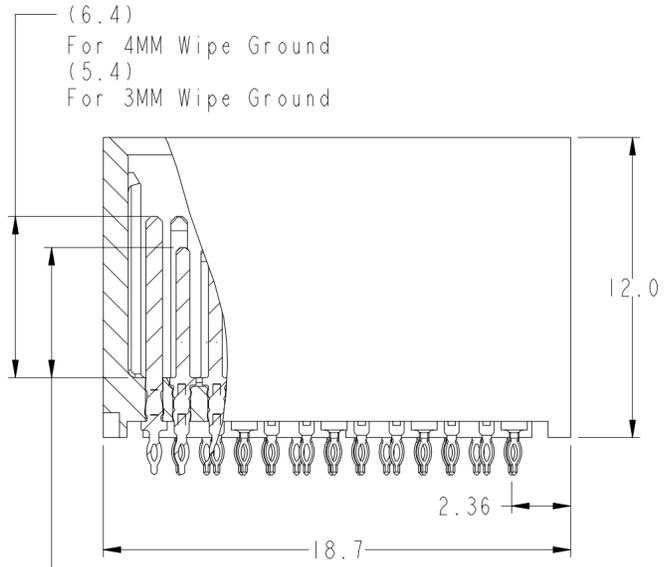
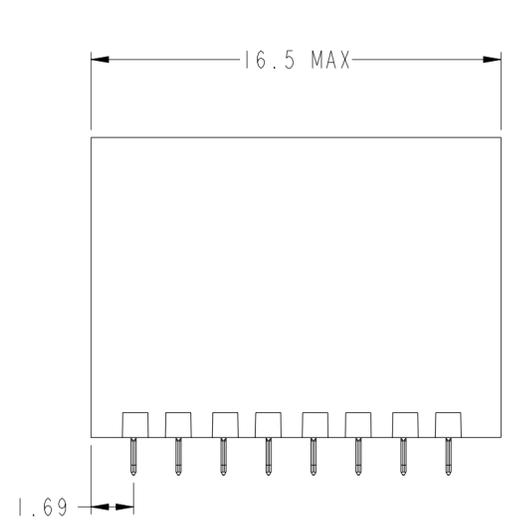


FOUR WALL MODULE



BP HOLE PATTERN COMPONENT SIDE

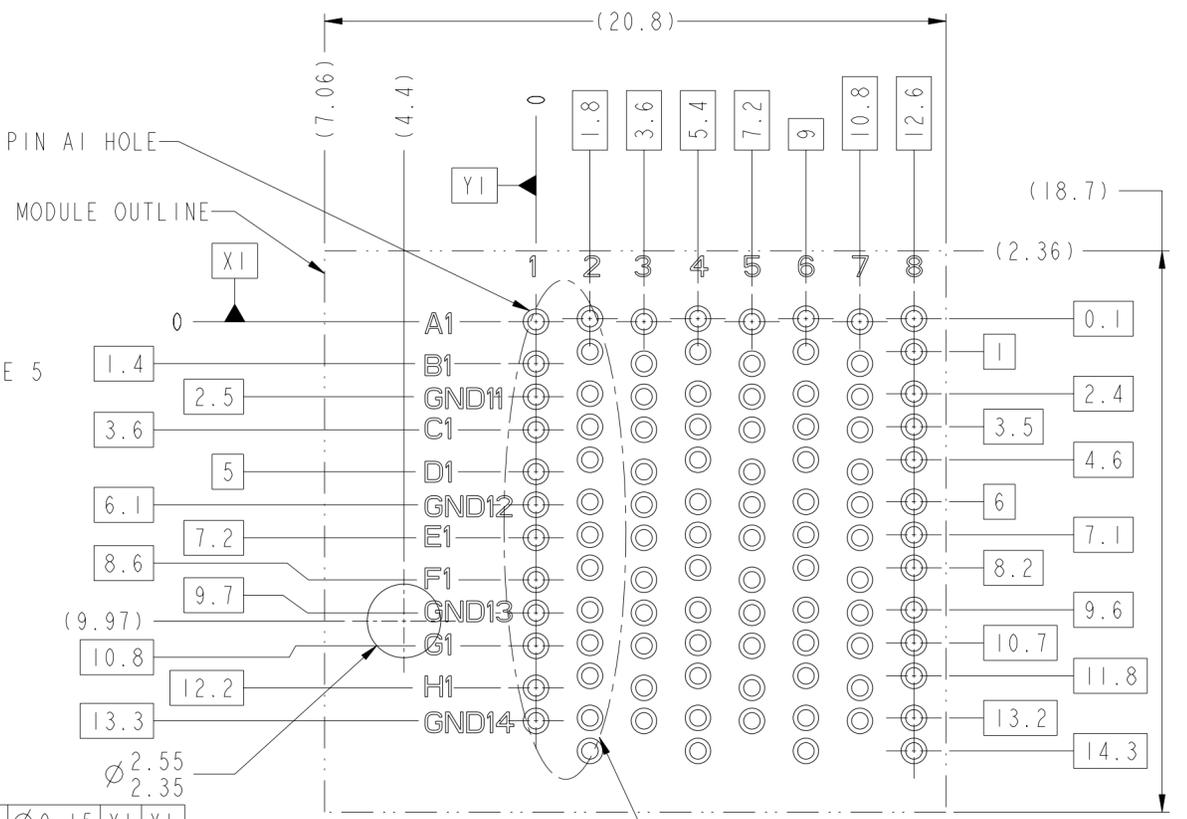
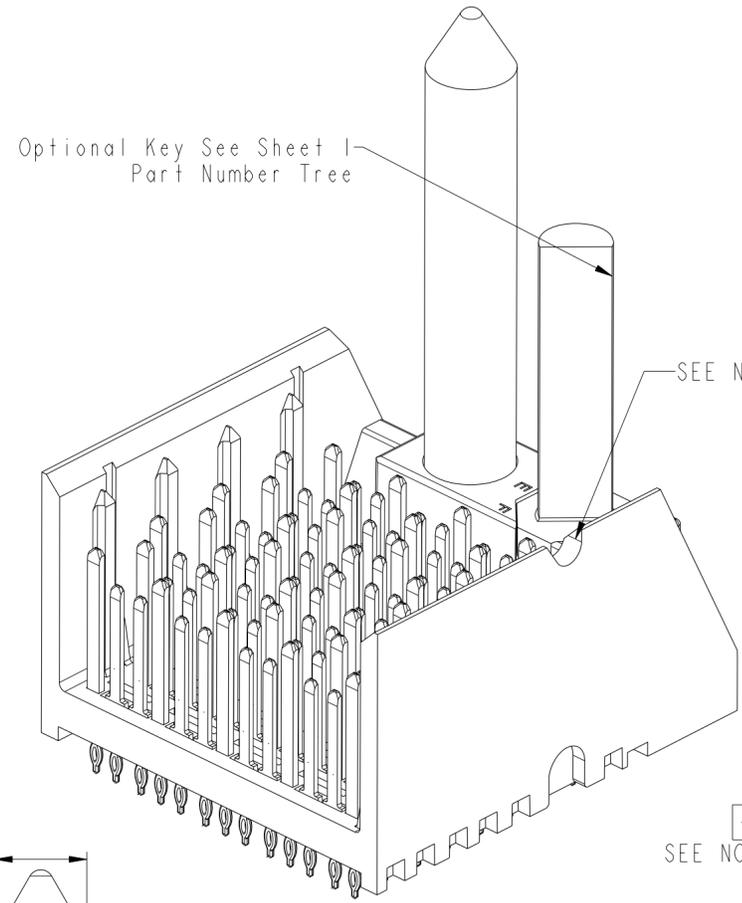
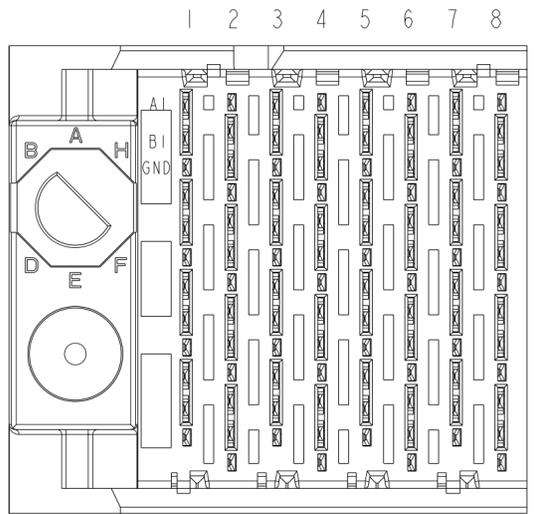
FOUR WALL MODULE BACKPLANE FOOTPRINT



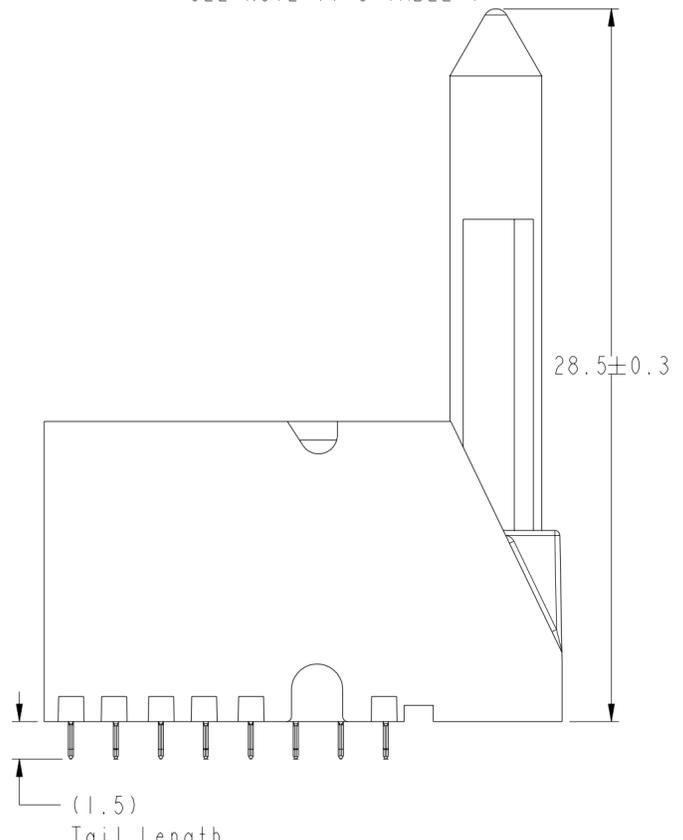
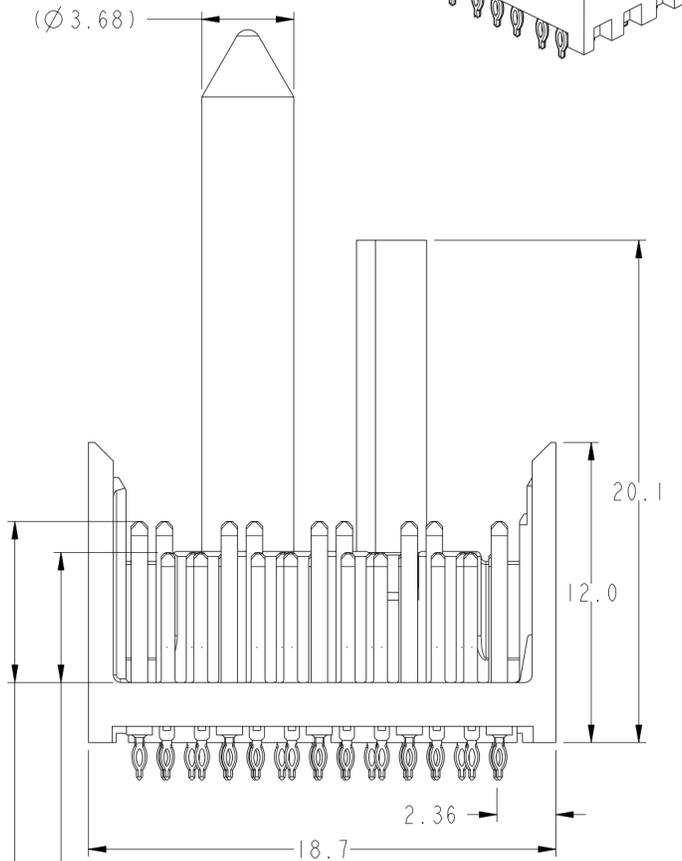
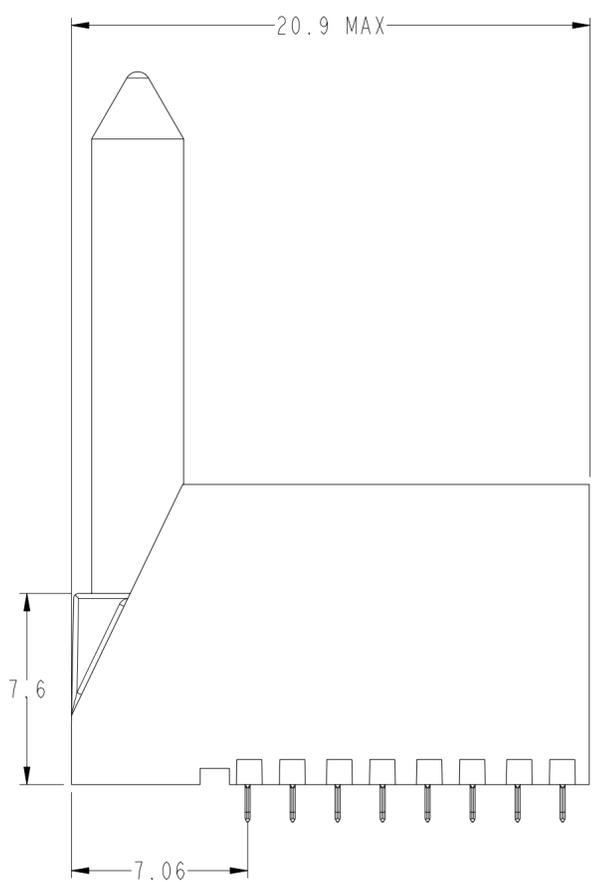
(5.2)  
For 3MM Wipe Signal  
(4.2)  
For 2MM Wipe Signal

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tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2015/10/30		mm	ecn no	ELX-S-18192-1	rel level	Released			
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr							Chen-Hong Tan	2015/11/02	product family
surface	ISO 1302	linear	0.X	±0.3			title	MODULE ASSEMBLY, XCEDE HD		dwg no	10130104	rev	B
		angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 5 of 8				



LEFT POLARIZING/GUIDE MODULE

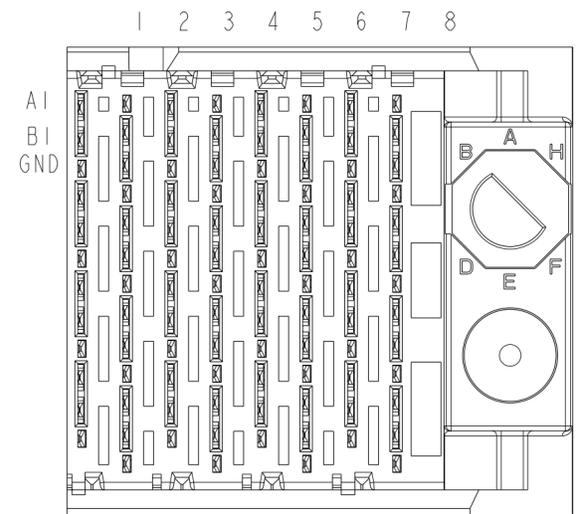


BP HOLE PATTERN COMPONENT SIDE  
LEFT POLARIZING GUIDE MODULE  
BACKPLANE FOOTPRINT

- (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	Sandar Soe	2014/05/16	projection	mm	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2015/10/30	chr	-	ecn no	ELX-S-18192-1	rel level	Released
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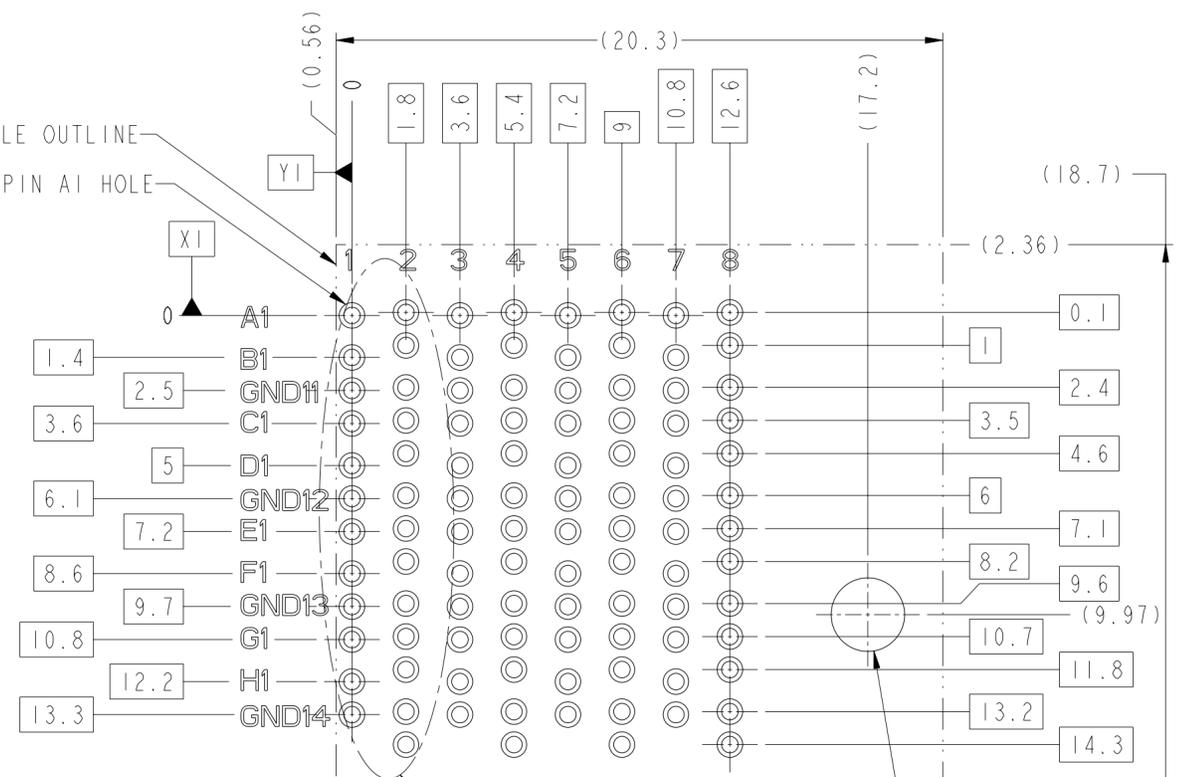


Optional Key See Sheet 1  
Part Number Tree

SEE NOTE 5

PIN AI

MODULE OUTLINE  
PIN AI HOLE

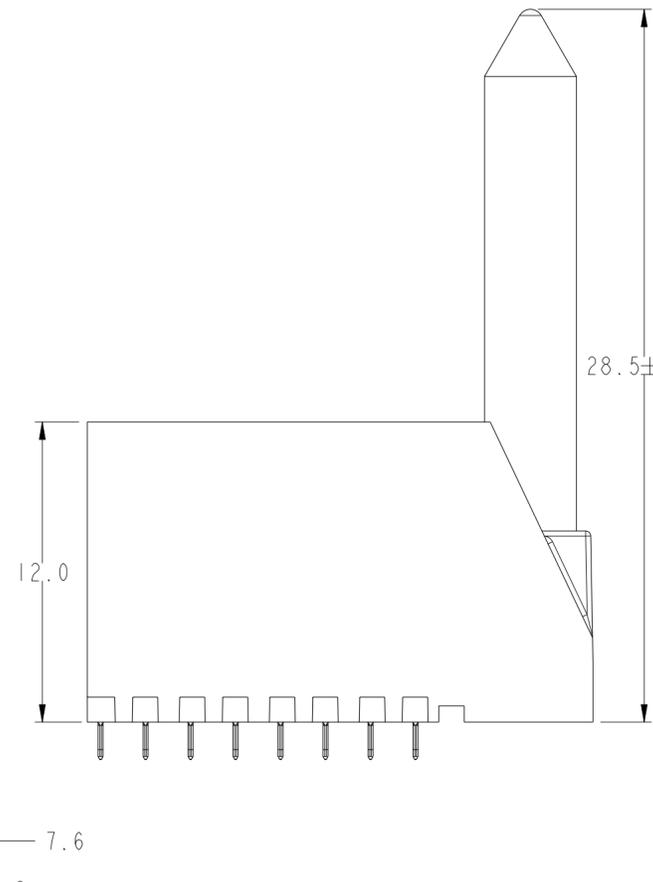
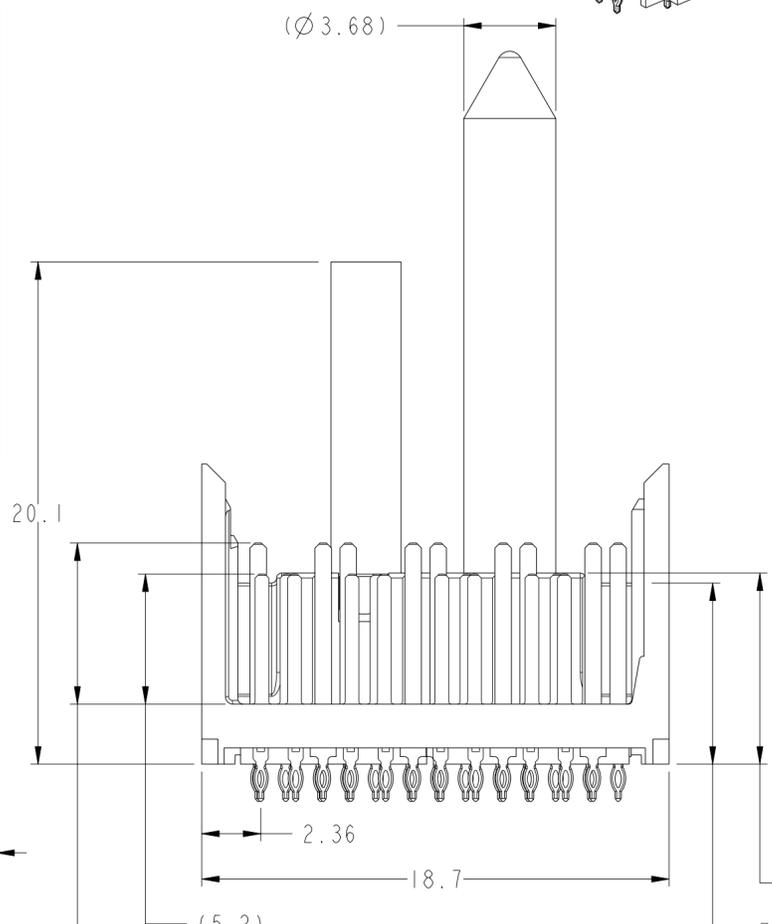
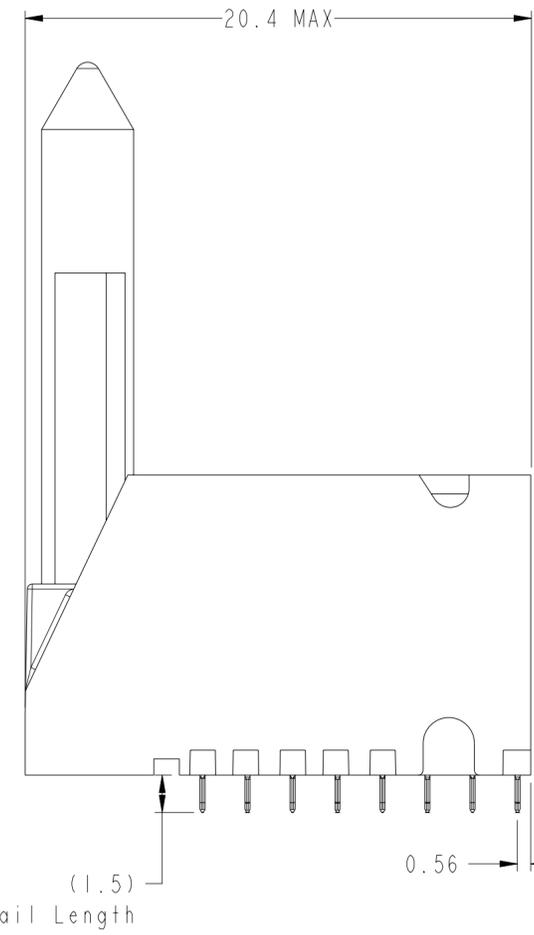


SEE DETAIL A  
On Sheet 8 For Details

Ø 2.55  
2.35  
⊕ Ø 0.15 XI YI  
SEE NOTE 11 &  
TABLE 1

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

28.5 ± 0.3



(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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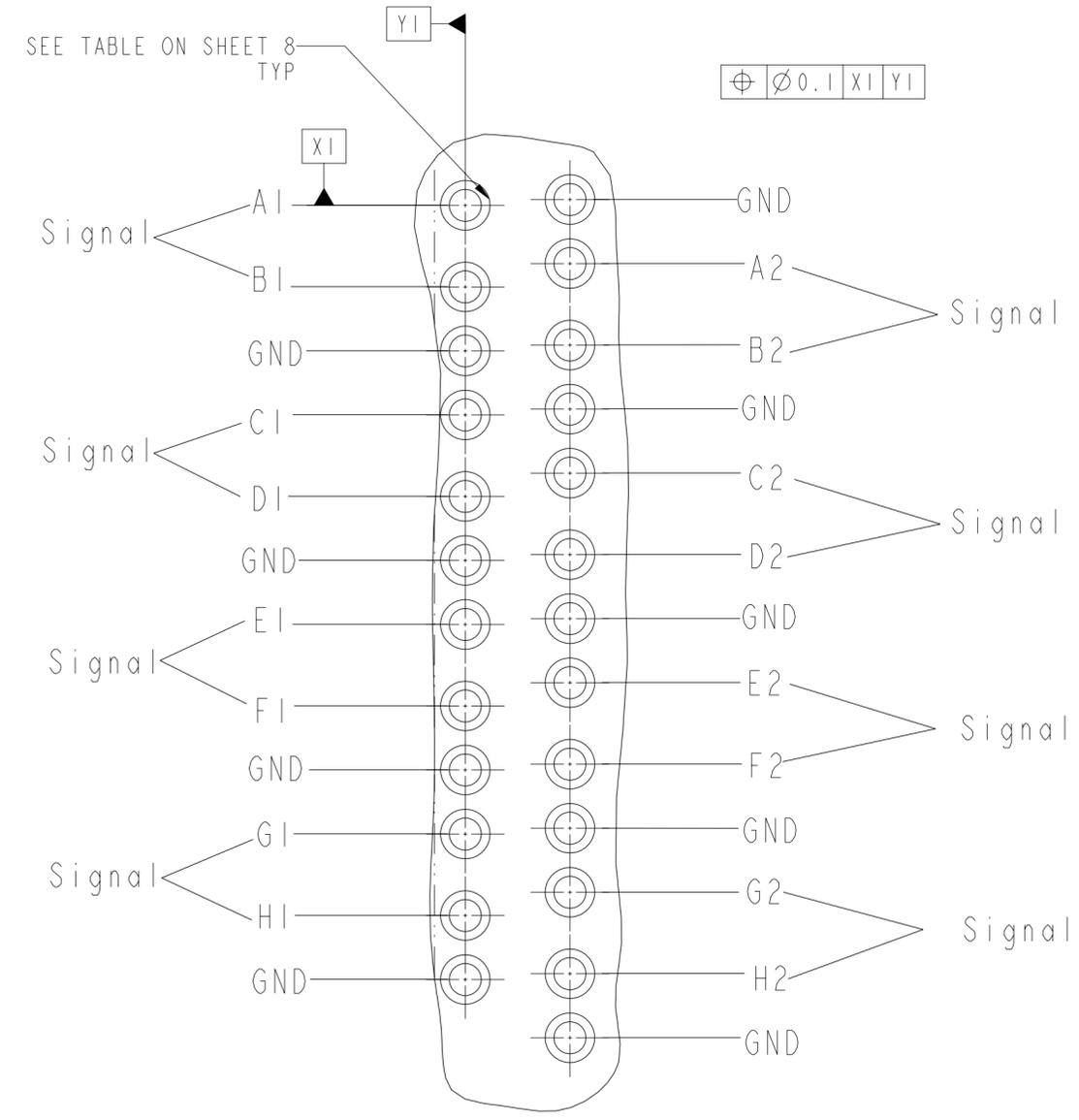
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surface	ISO 1302	appr	Chen-Hong Tan	2015/11/02	product family	-	rel level	Released	cat. no.	Product - Customer Drw
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	angular	0° ±2°	www.fci.com	title	MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 8 Column	dwg no	10130104	rev	B

PDS: Rev :B

STATUS:Released

Printed: Nov 03, 2015

TABLE 3		
	COMPLIANT PIN DRILL $\varnothing 0.55 [0.0217"]$	COMPLIANT PIN DRILL $\varnothing 0.45 [0.0177"]$
PTH	$\varnothing 0.45 \pm 0.05$	$\varnothing 0.36 \pm 0.05$
DRILL	$\varnothing 0.55 [0.0217"]$	$\varnothing 0.45 [0.0177"]$
PAD	$\varnothing 0.85$	$\varnothing 0.75$



NOTES:

1. CONNECTOR MATERIALS  
SHROUD : HIGH-TEMP POLYMER, COLOR : BLACK, UL94V-0  
CONTACTS : HIGH PERFORMANCE COPPER ALLOY
2. CONTACT PLATING:  
  
SEPARABLE INTERFACE: PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-588, INCLUDING THE TELCORDIA GR-1217-CORE (NOVEMBER 1995) CENTRAL OFFICE (CO) TEST SEQUENCE AS NOTED IN P/N TREE.  
  
PRESS-FIT TAILS: TIN OVER NICKEL (LF) OR TIN-LEAD ALLOY OVER NICKEL (NON-LF). SEE P/N TREE.
3. PRODUCT SPECIFICATION : GS-12-0936
4. APPLICATION SPECIFICATION : GS-20-0348
5. NOTCH DESIGNATES "ROW A" SIDE OF CONNECTOR. NOTCH FEATURE ON OPPOSITE FOR PRODUCT MARKING.
6. PRODUCT MARKING :  
PART NUMBER (10130104-X0J-XXXLF)  
"FCI" AND DATE CODE (FCI P#####)
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  $\triangle$  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.

DETAIL A  
SCALE 12:1

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spec ref	-	dr	Sander Soe	2014/05/16	projection	mm	size	A2	scale	1:1							
tolerance std	ISO 406 ISO 1101	eng	Sander Soe	2015/10/30		mm	ecn no	ELX-S-18192-1	rel level	Released							
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	apppr							Chen-Hong Tan	2015/11/02	product family				
surface	ISO 1302	linear	0.X	$\pm 0.3$		MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 8 Column	cat. no.	Product - Customer Drw	sheet 8 of 8	title	10130104	rev	B				
			0.XX	$\pm 0.10$													
		angular	0°	$\pm 2^\circ$													