

10120128 - 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	0.76um 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

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 10120128-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
	N	J	A	B	C	D	E	F	G	H	
LEFT POLARIZING GUIDANCE MODULE (SEE SHEET 5)	NO KEY NO GUIDE PIN										
RIGHT POLARIZING GUIDANCE MODULE (SEE SHEET 5)	NO KEY NO GUIDE PIN										
OPEN MODULE (TWO WALL) (SEE SHEET 3)	0 (ZERO)										
LEFT WALL MODULE (SEE SHEET 6)	L										
RIGHT WALL MODULE (SEE SHEET 6)	M										
FOUR WALL MODULE (SEE SHEET 6)	1 (ONE)										

	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"

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

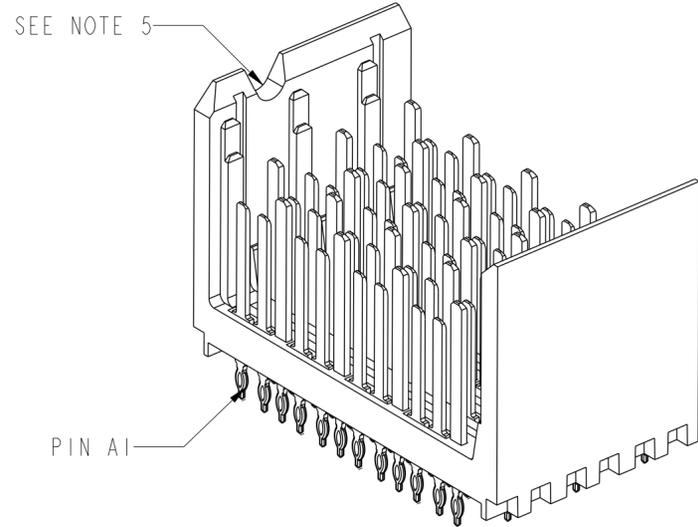
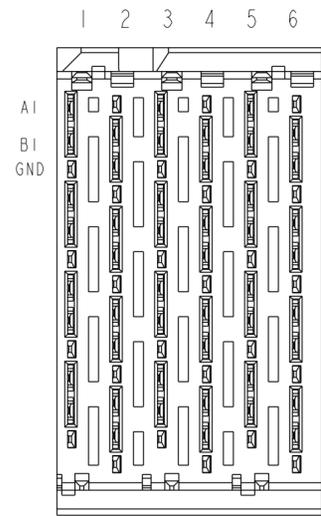
spec ref	TOLERANCES UNLESS OTHERWISE SPECIFIED		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		
ISO 406	0.X	±0.3	
ISO 1101	0.XX	±0.10	
surface	0.XXX	±0.050	
ISO 1302	angular	0°	±2°

dr	Yong-Keat Lim	2012/03/01	projection	mm	size	A2	scale	1:1
eng	Sandar Soe	2013/03/20		mm	ecn no	ELX-S-14229-1	rel level	Released
chr	-	-						
appr	Chen-Hong Tan	2013/04/09	product family	-	rel level	Released	rev	B

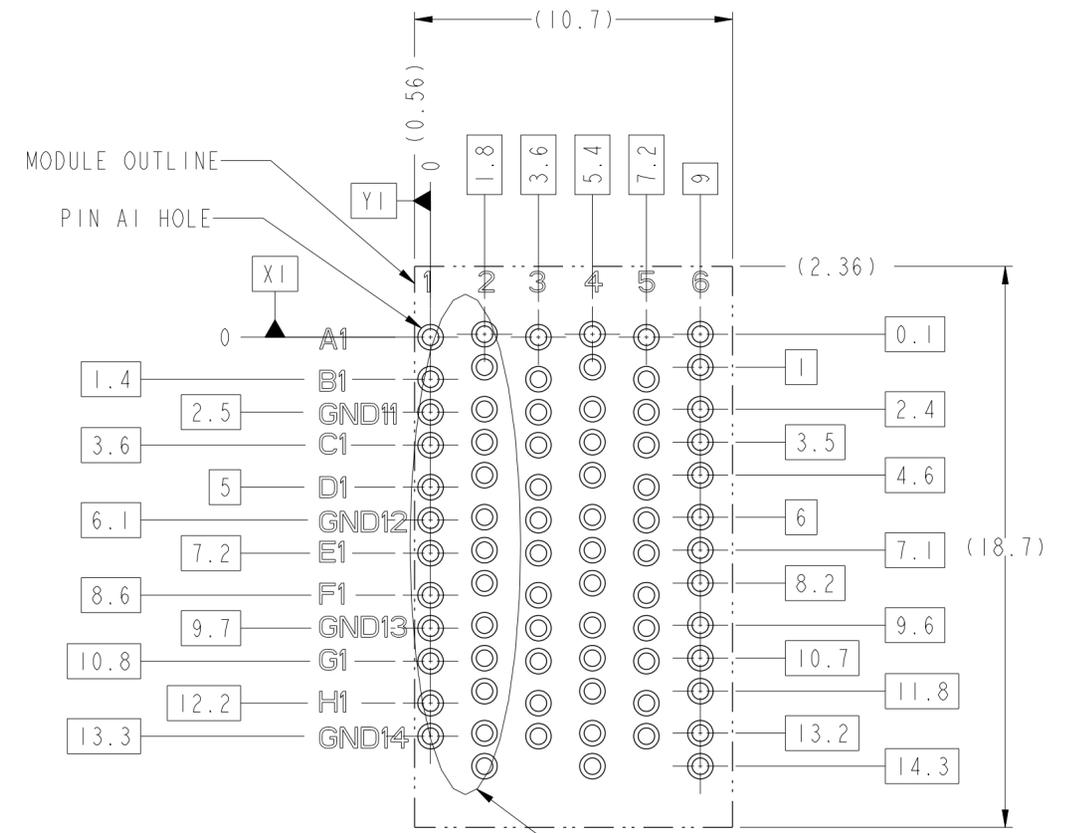
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**MODULE ASSEMBLY, XCEDE HD**  
 Vertical Header, 4 Pair 6 Column  
 cat. no. - Product - Customer Drw sheet 1 of 8

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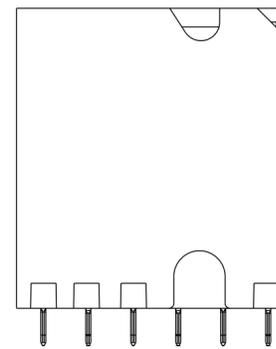
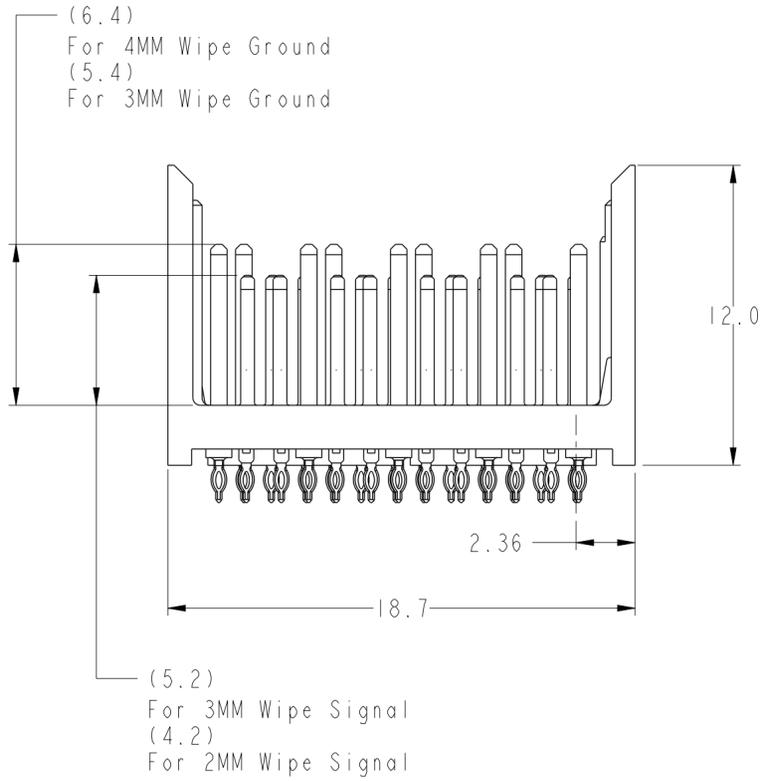
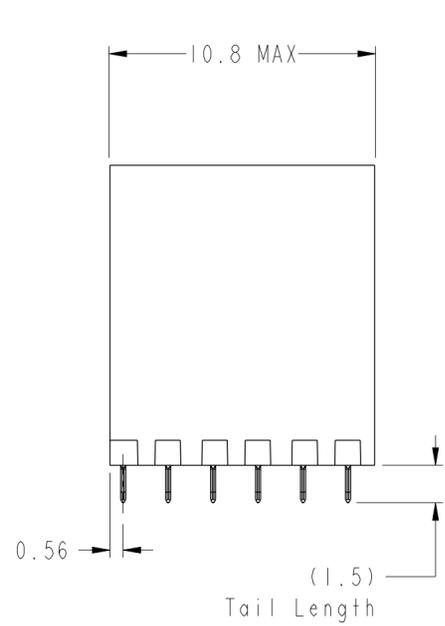
**OPEN WALL MODULE**



SEE DETAIL A ON SHEET 8 FOR DETAILS

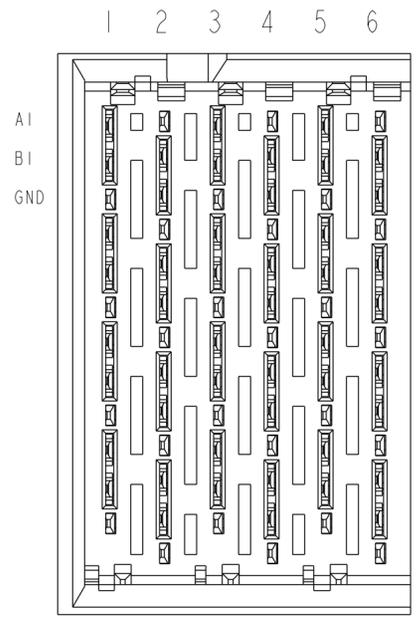
BP HOLE PATTERN COMPONENT SIDE

**OPEN WALL MODULE BACKPLANE FOOTPRINT**

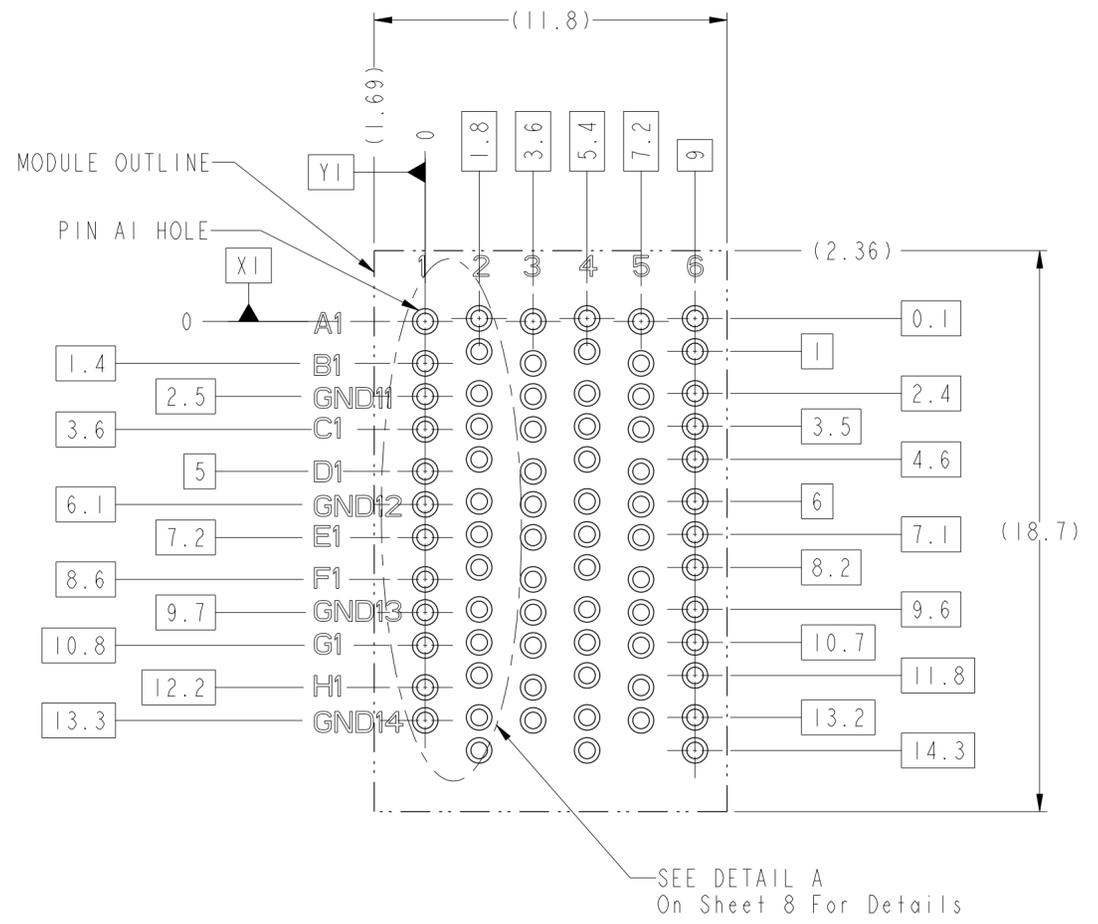
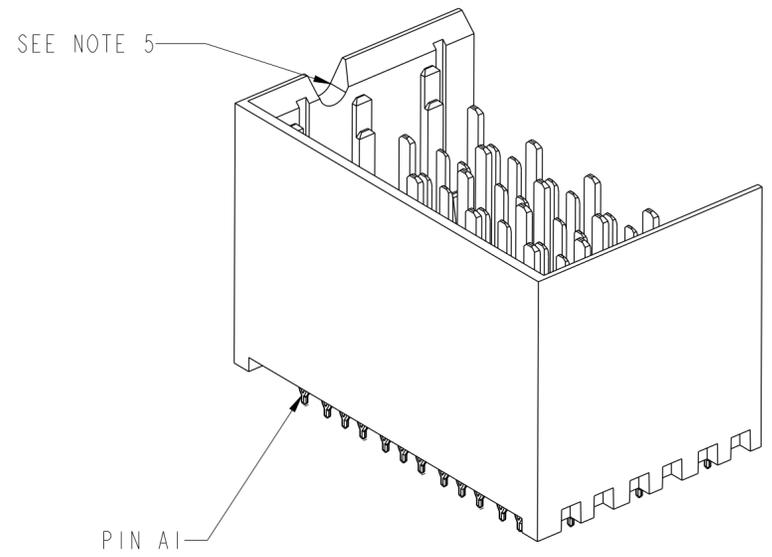


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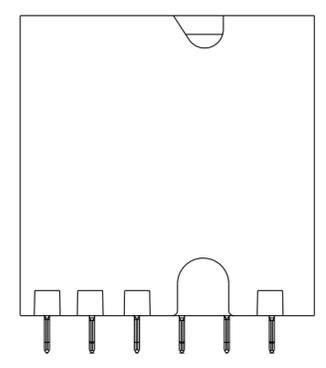
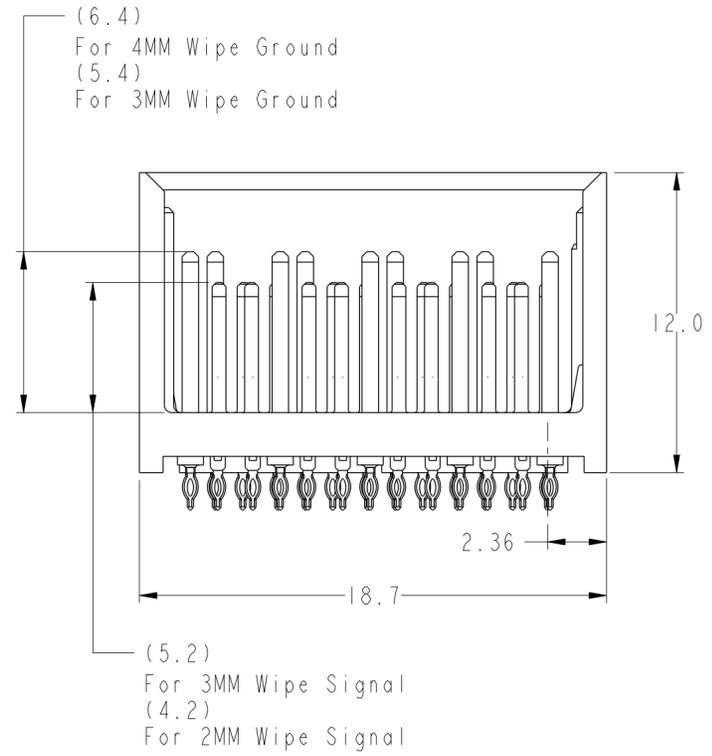
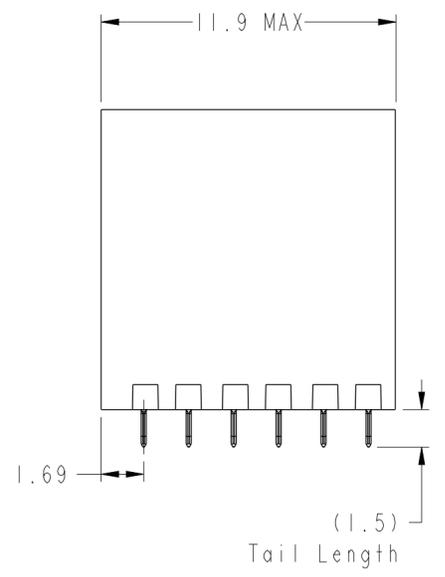
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TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	rel level				Released		
surface	ISO 1302	appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD	rel level	Blue		
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.050	title	MODULE ASSEMBLY, XCEDE HD		cat. no.	10120128	rev	B		
angular	0° ±2°	www.fci.com	Vertical Header, 4 Pair 6 Column		Product - Customer Drw	sheet 2 of 8				



**LEFT WALL MODULE**

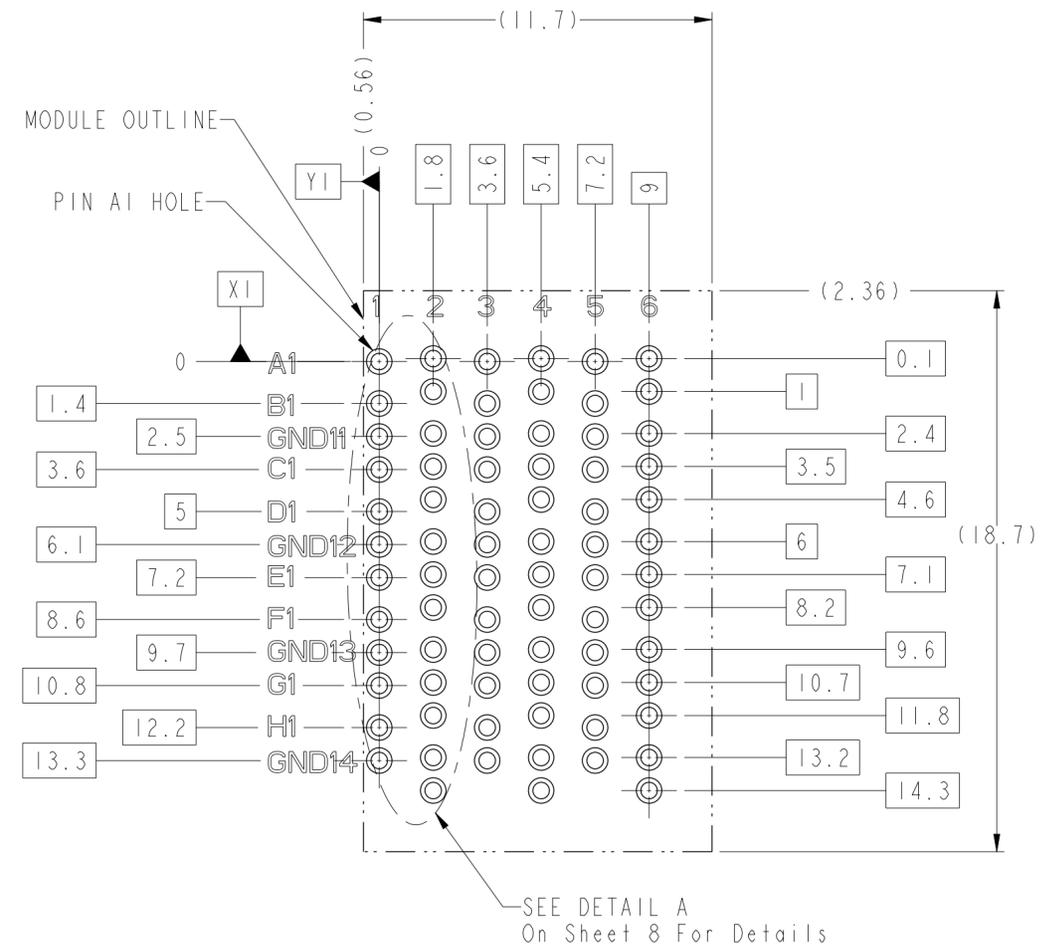
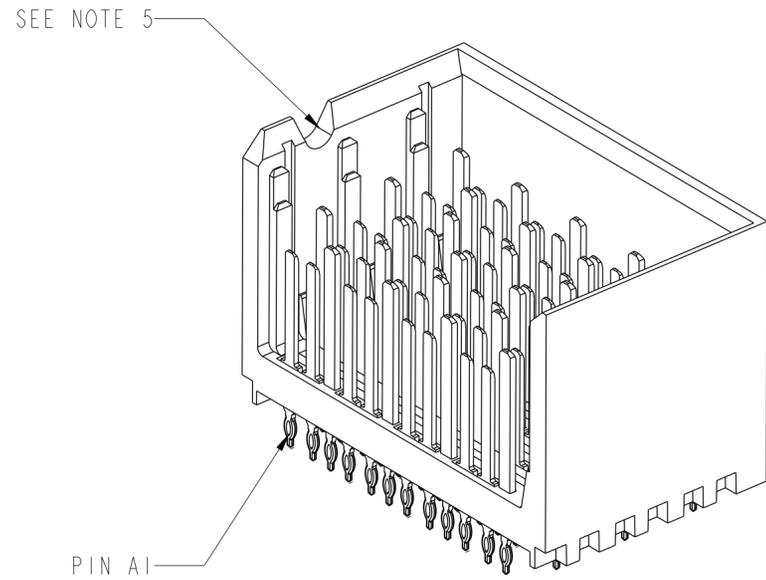
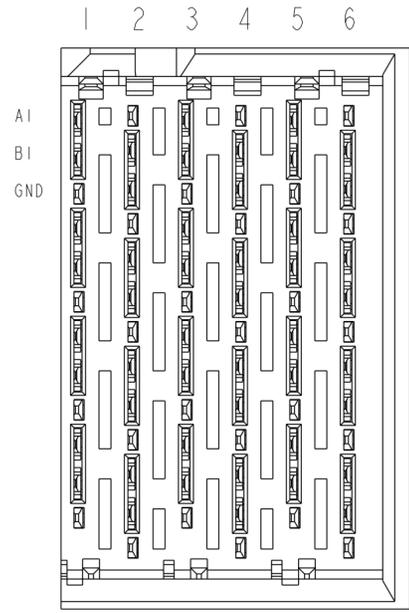


BP HOLE PATTERN COMPONENT SIDE  
**LEFT WALL MODULE BACKPLANE FOOTPRINT**



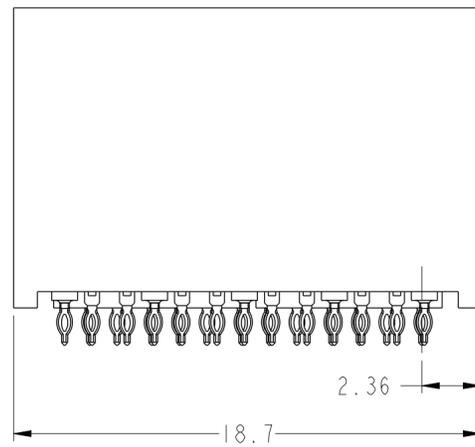
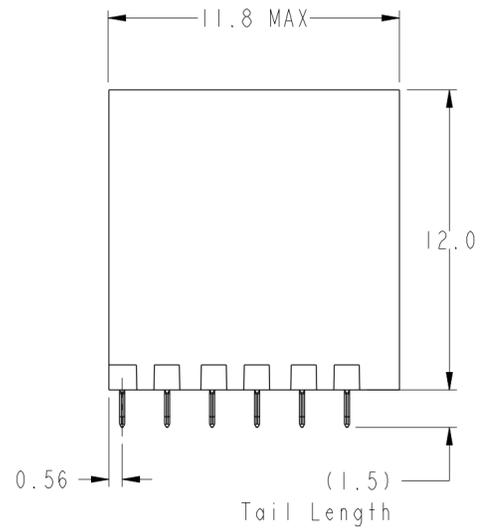
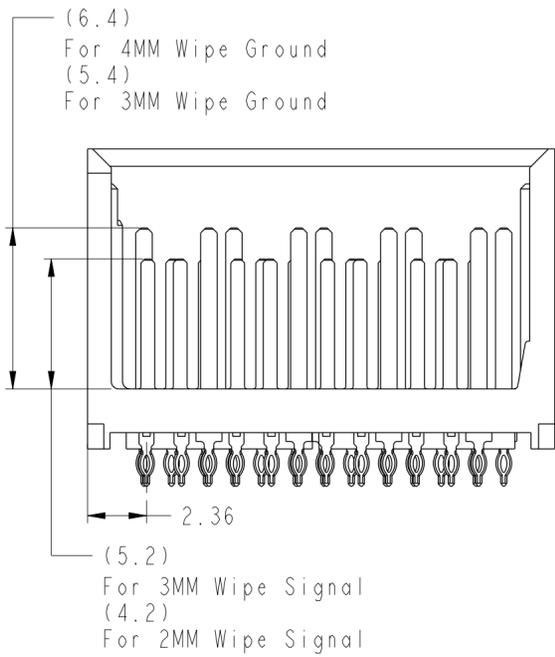
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tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20		mm	ecn no	ELX-8-14229-1	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	app							Chen-Hong Tan
surface	ISO 1302	linear	0.X	±0.3		<b>MODULE ASSEMBLY, XCEDE HD</b> Vertical Header, 4 Pair 6 Column	dwg no 10120128	rev B	Product - Customer Drw		
		angular	0°	±2°					cat. no.	-	sheet 3 of 8
				www.fci.com							

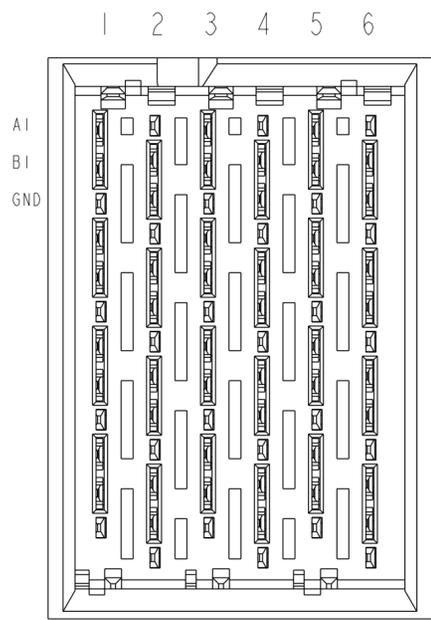


**RIGHT WALL MODULE**

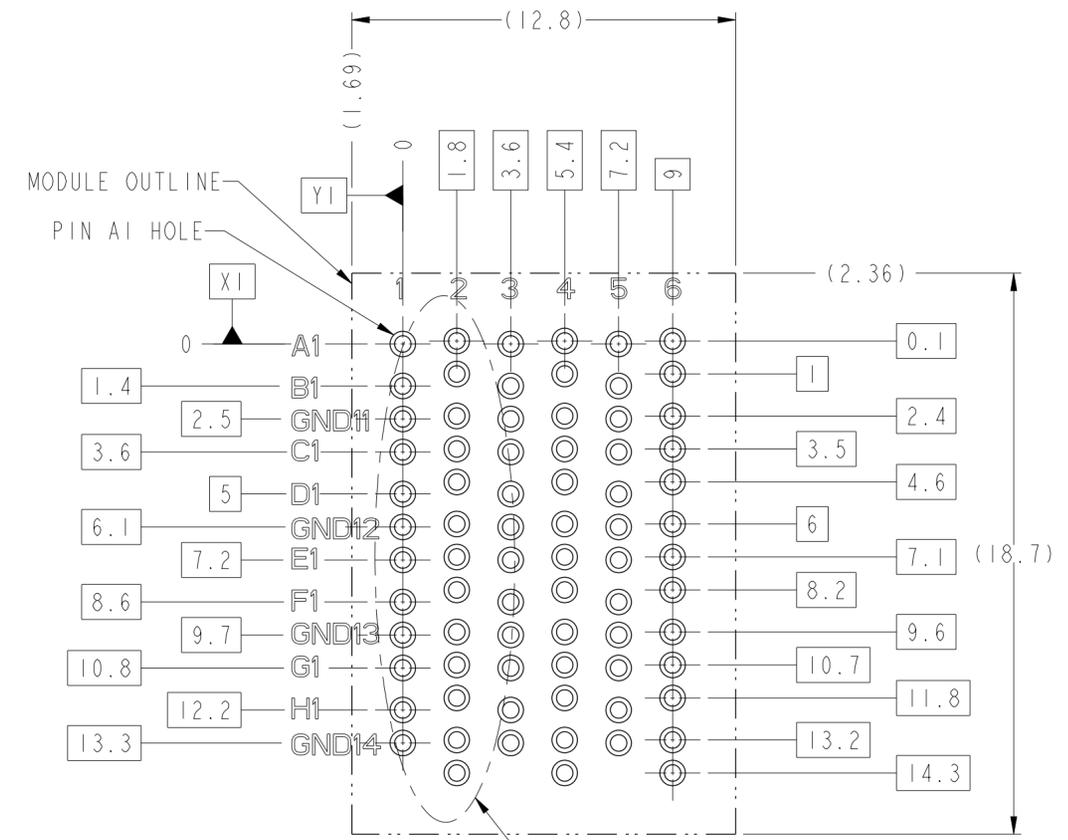
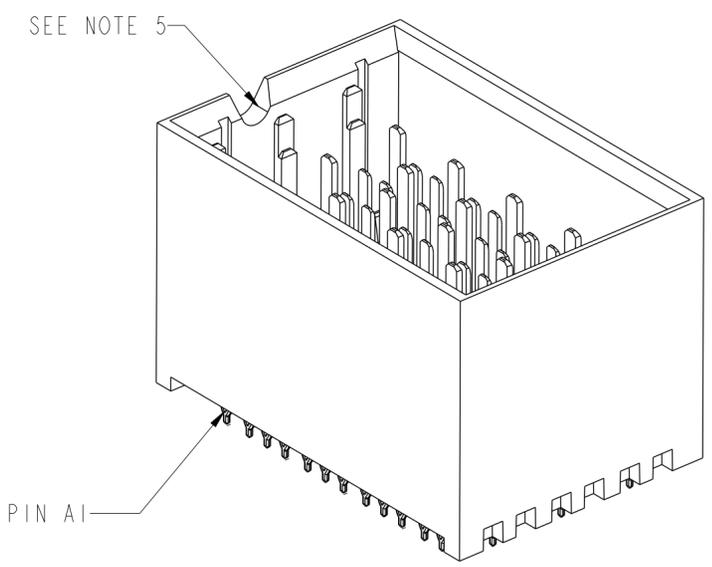
**BP HOLE PATTERN COMPONENT SIDE  
RIGHT WALL MODULE BACKPLANE FOOTPRINT**



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tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20		mm	ecn no	ELX-8-14229-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr						
surface	ISO 1302	linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.050	angular	0° ±2°			<b>MODULE ASSEMBLY, XCEDE HD</b> Vertical Header, 4 Pair 6 Column	dwg no 10120128	rev B
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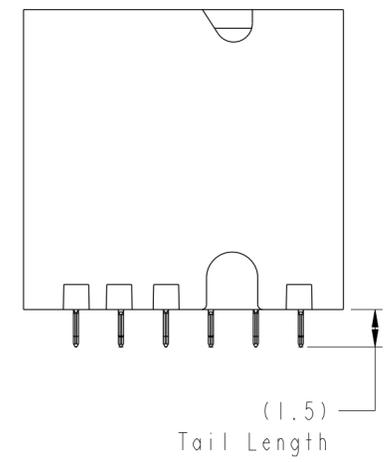
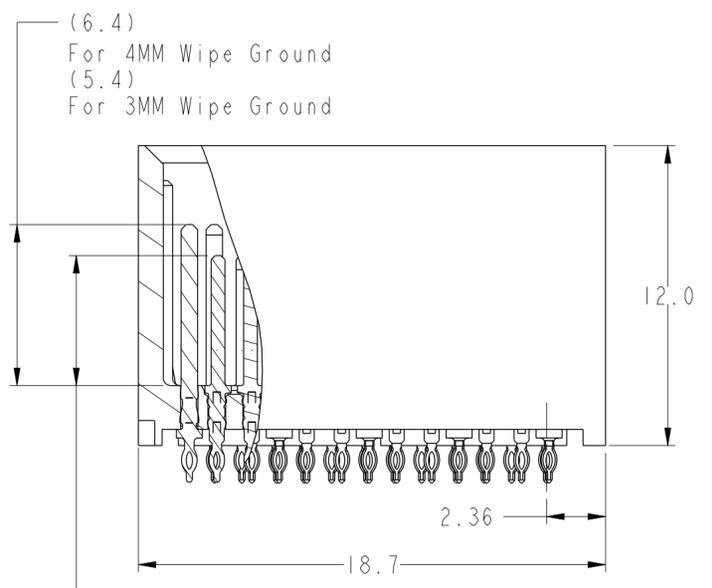
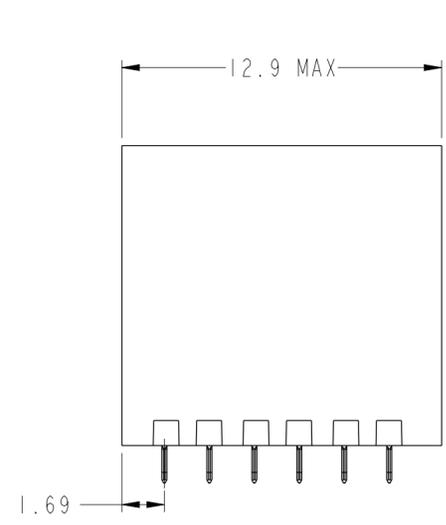


**TWO WALL MODULE**



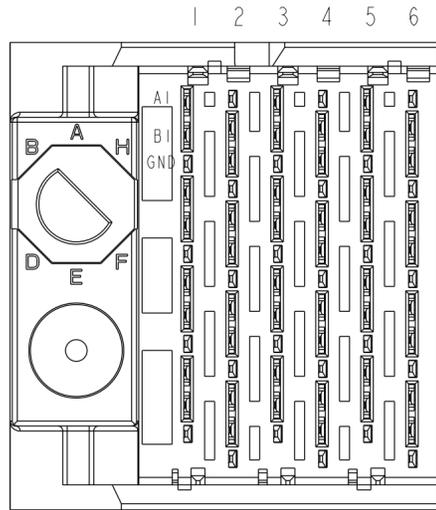
SEE DETAIL A  
On Sheet 8 For Details

BP HOLE PATTERN COMPONENT SIDE  
**TWO WALL MODULE BACKPLANE FOOTPRINT**



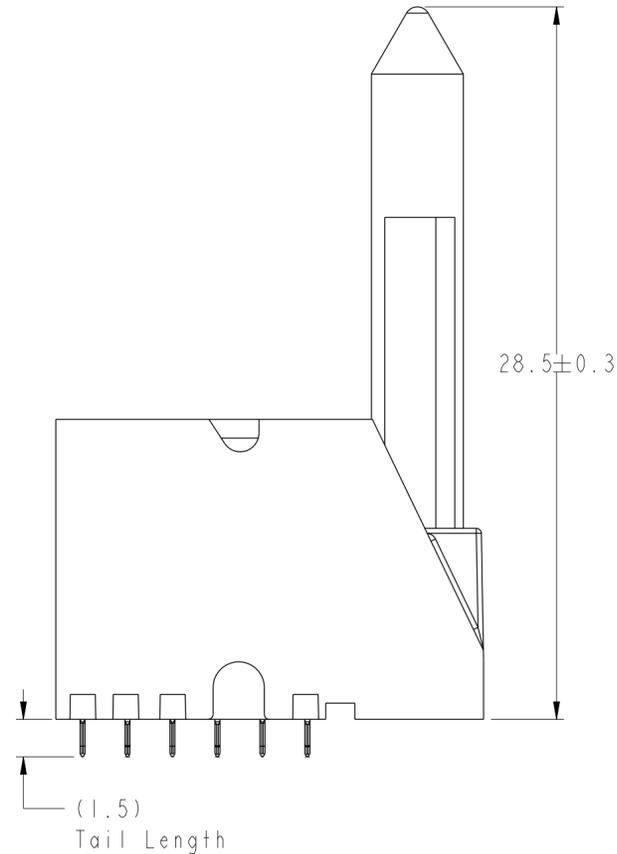
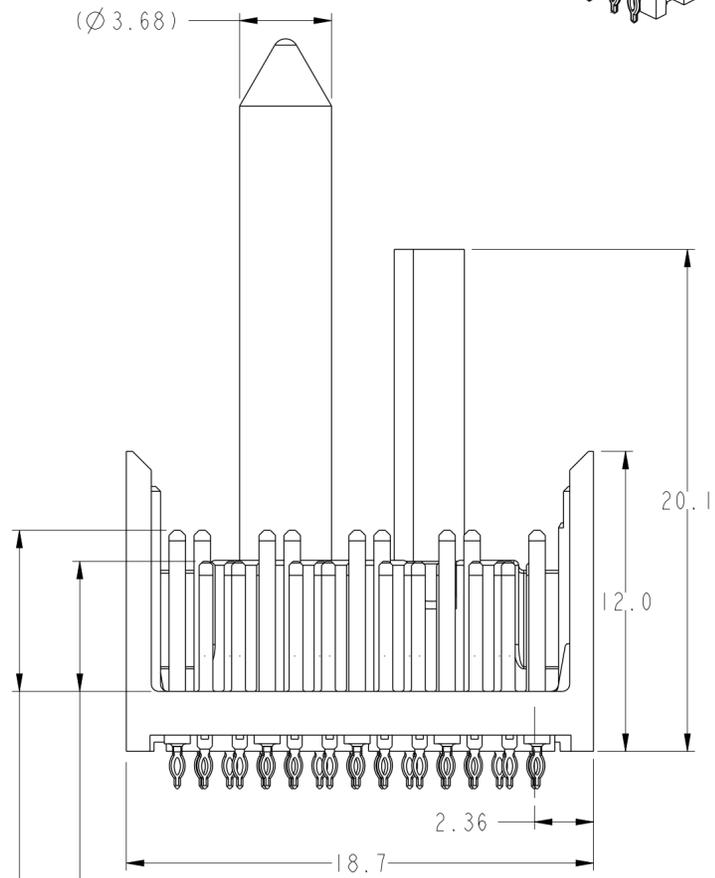
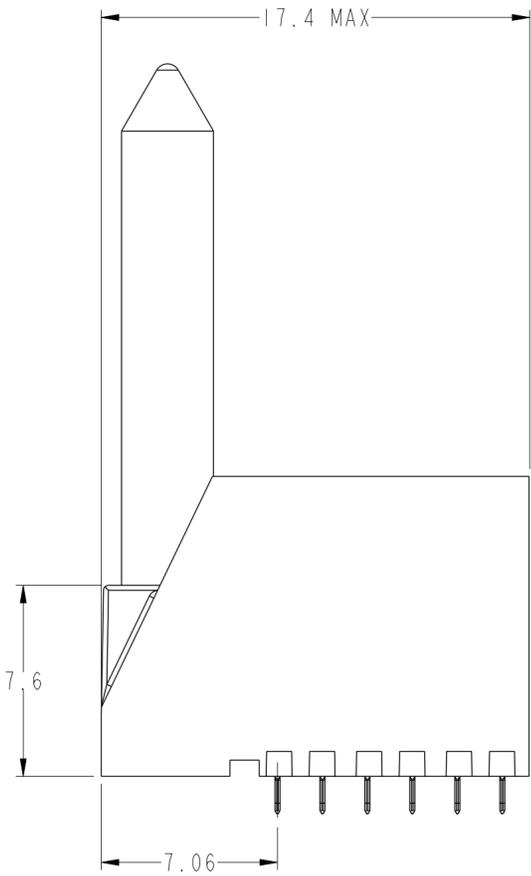
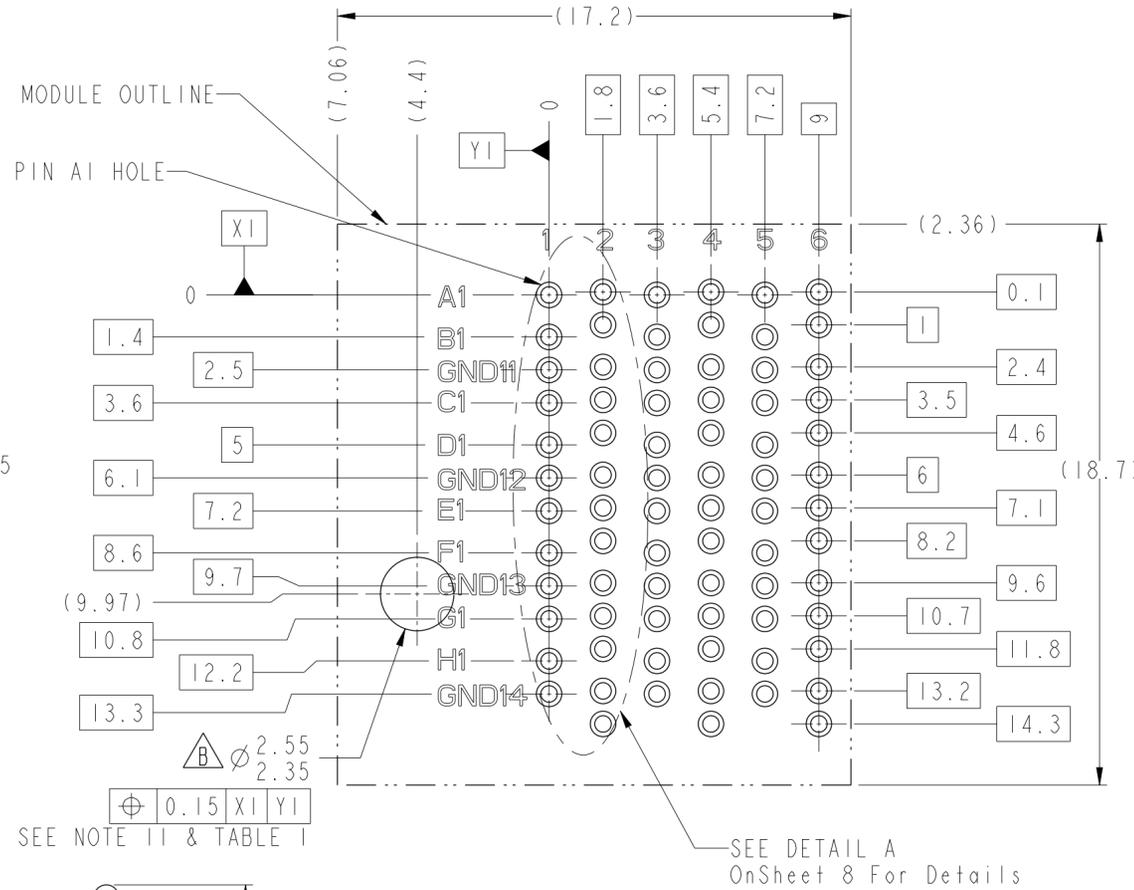
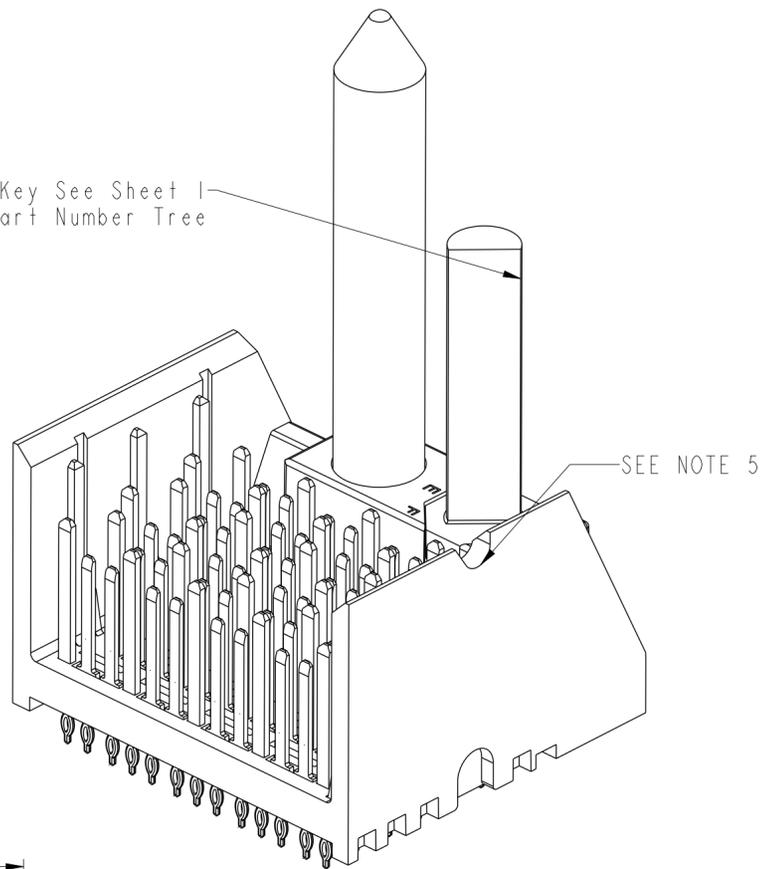
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tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20		mm	ecn no	ELX-S-14229-1	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr							Chen-Hong Tan
surface	ISO 1302	linear	0.X	±0.3		<b>MODULE ASSEMBLY, XCEDE HD</b> Vertical Header, 4 Pair 6 Column	dwg no 10120128	rev <b>B</b>	Product - Customer Drw		
	angular	0°	±2°	www.fci.com					cat. no.	Product - Customer Drw	sheet 5 of 8
				PDS: Rev :B					STATUS:Released		Printed: Apr 10, 2013

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**LEFT POLARIZING/GUIDE MODULE**

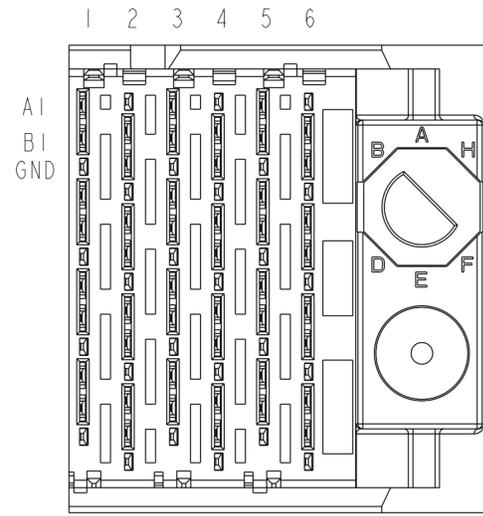
Optional Key See Sheet 1  
Part Number Tree



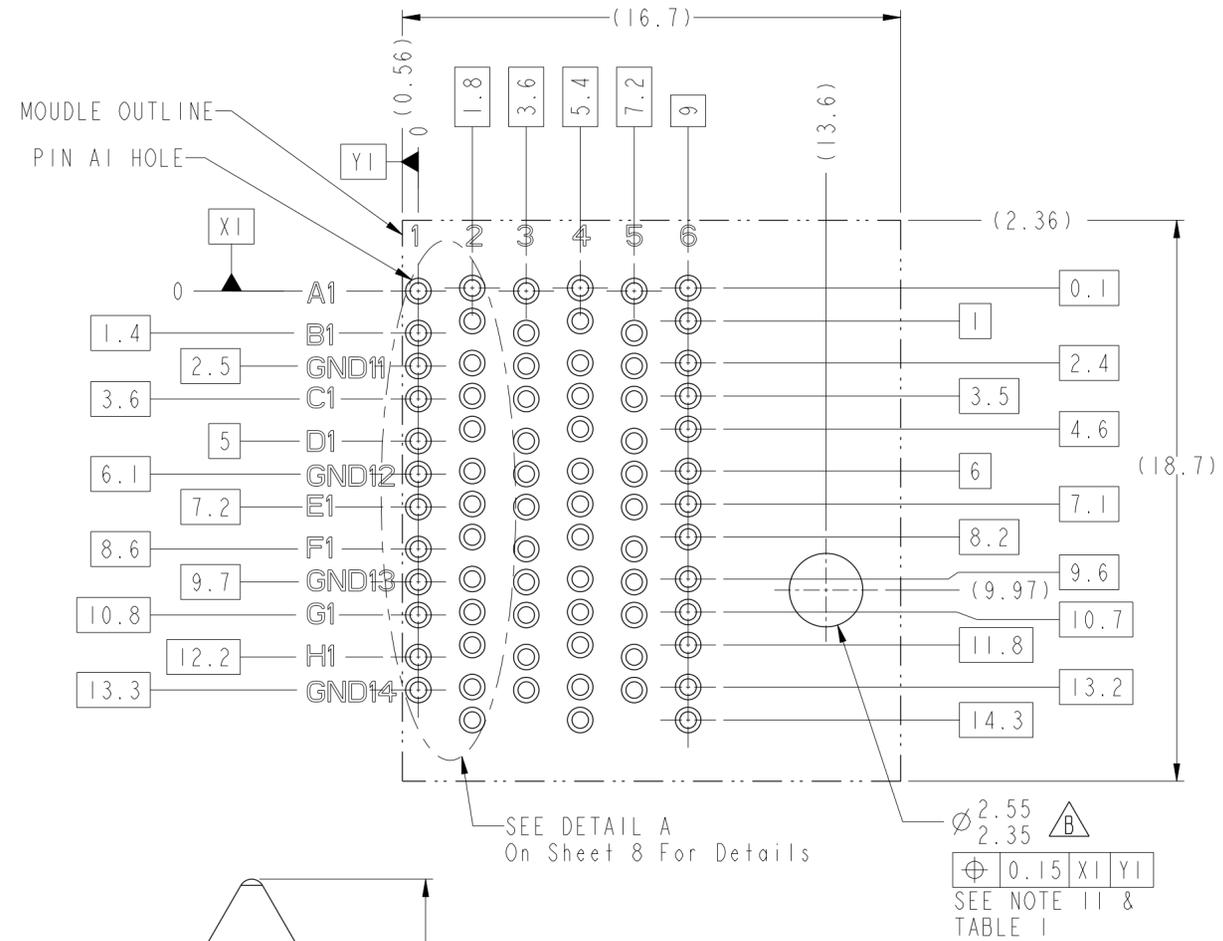
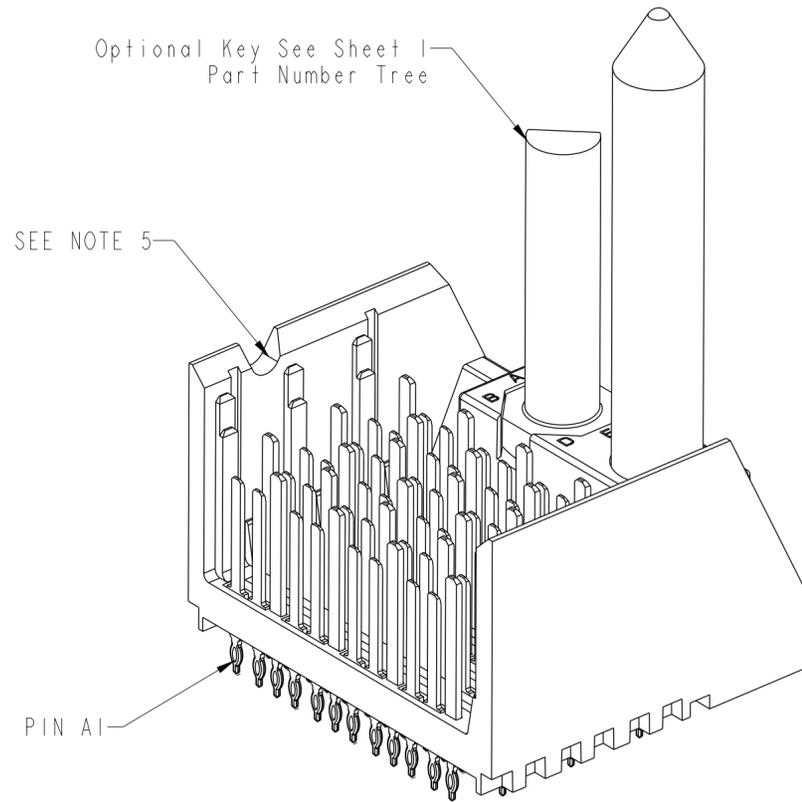
BP HOLE PATTERN COMPONENT SIDE  
**LEFT POLARIZING GUIDE MODULE  
BACKPLANE FOOTPRINT**

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

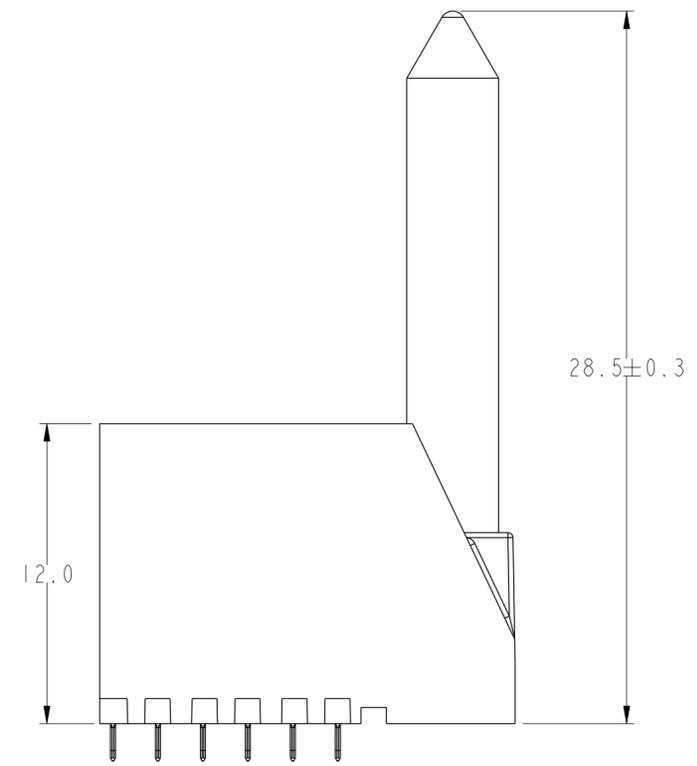
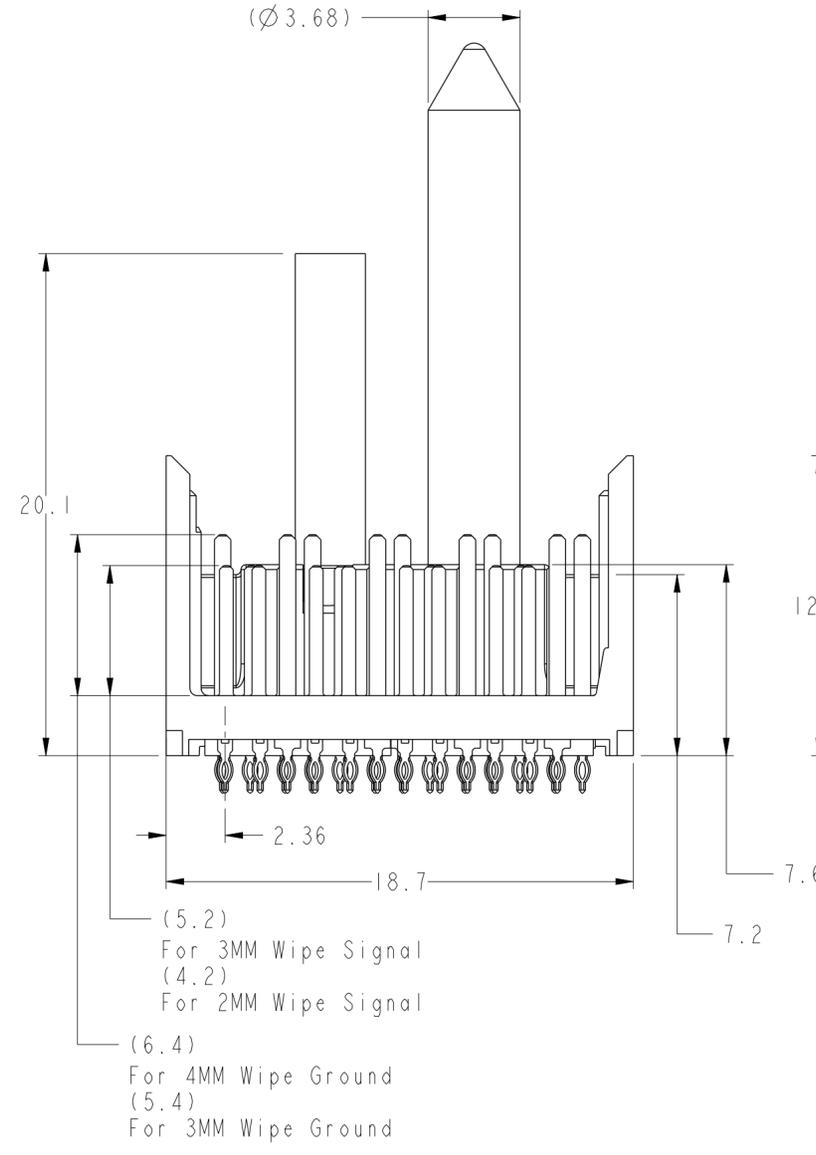
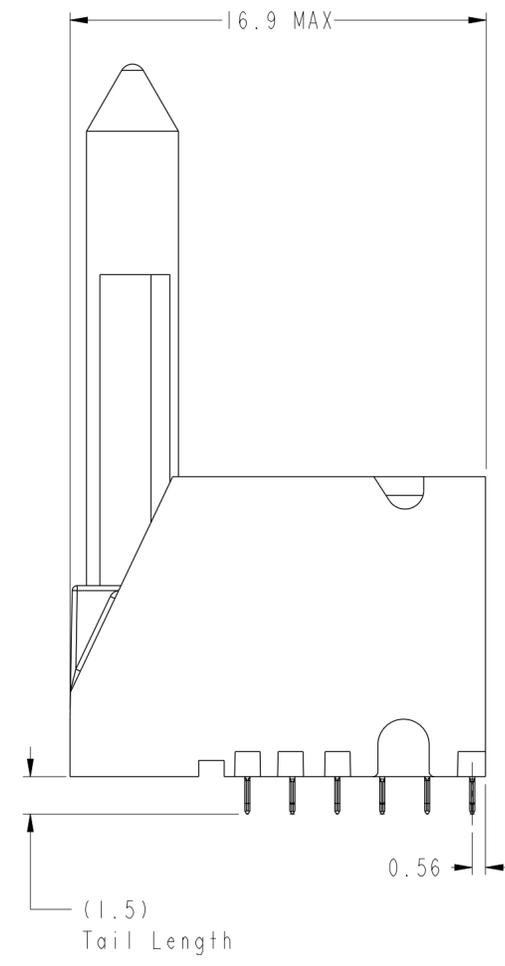
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tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20		mm	ecn no	ELX-S-14229-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	rel level				Released		
surface	linear	appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD	dwg no	10120128		
ISO 1302	angular				<b>MODULE ASSEMBLY, XCEDE HD</b> Vertical Header, 4 Pair 6 Column		rev	<b>B</b>		
		www.fci.com		cat. no.	Product - Customer Drw		sheet 6 of 8			



**RIGHT POLARIZING/GUIDE MOUDLE**



BP HOLE PATTERN COMPONENT SIDE  
**RIGHT POLAIZING/GUIDE MODULE  
 BACKPLANE FOOTPRINT**



spec ref	-	dr	Yong-Keat Lim	2012/03/01	projection	mm	size	A2	scale	2:1	
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20		mm	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	MODULE ASSEMBLY, XCEDE HD	dwg no	10120128	
		angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 7 of 8	rev	B

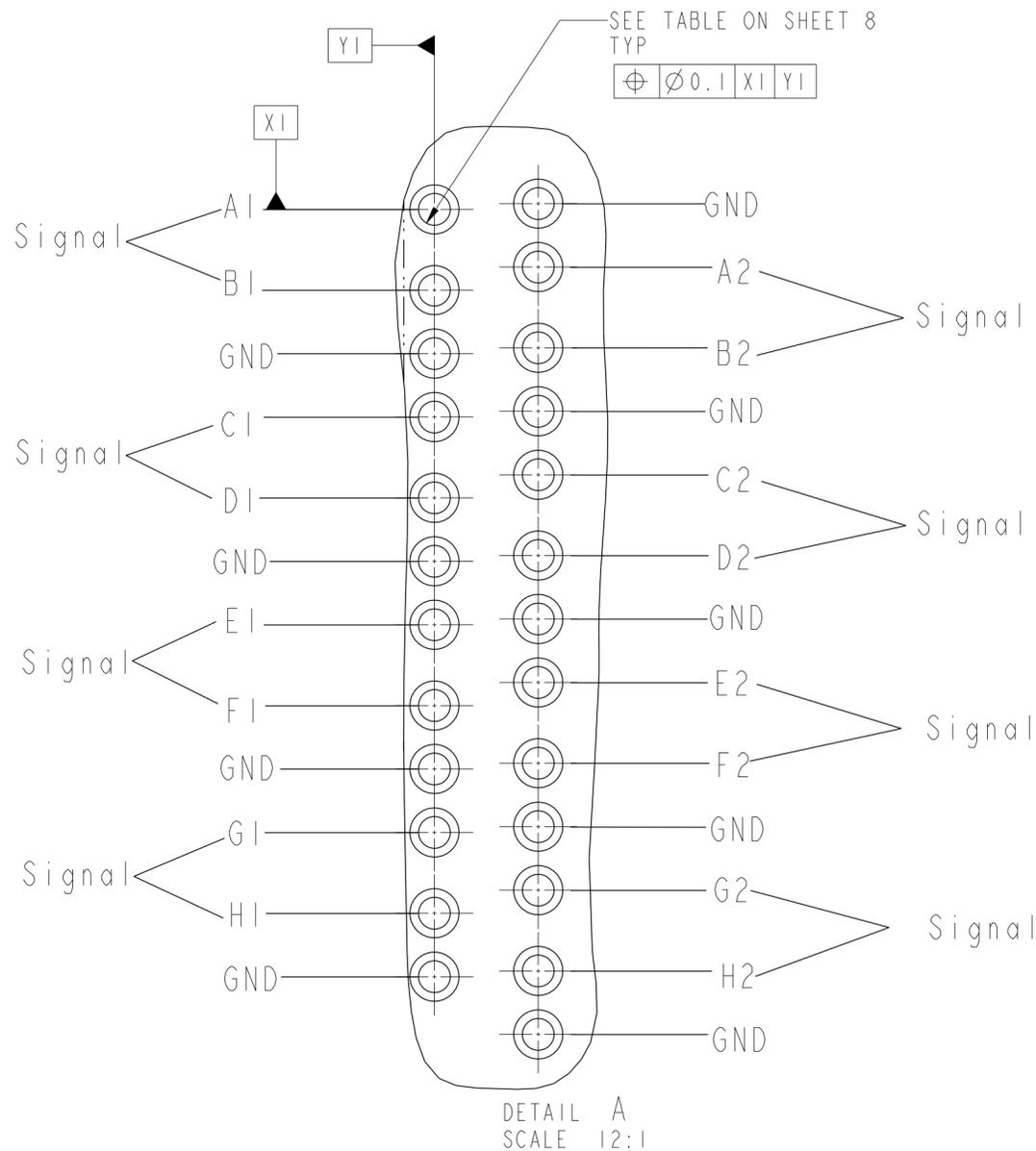


TABLE 3		
	COMPLIANT PIN DRILL $\varnothing 0.55$ [0.0217"]	COMPLIANT PIN DRILL $\varnothing 0.45$ [0.0177"]
PTH	$\varnothing 0.45 \pm 0.05$	$\varnothing 0.36 \pm 0.05$
DRILL	$\varnothing 0.55$ [0.0217"]	$\varnothing 0.45$ [0.0177"]
PAD	$\varnothing 0.85$	$\varnothing 0.75$

NOTES:

- 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 (10120128-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.
- $\triangle B$  OPTIONAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE-PIN SUPPORT. SEE TABLE 1 SHEET 1 FOR ADDITIONAL DETAILS.
- $\triangle B$  SCREW IS OPTIONAL AND ENGAGES WITH BOTTOM OF GUIDE PIN FROM BENEATH THE PCB FOR ADDITIONAL GUIDE-PIN SUPPORT.

spec ref	-	dr	Yong-Keat Lim	2012/03/01	projection	mm	size	A2	scale	2:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20		mm	ecn no	ELX-S-14229-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr						
surface	ISO 1302	linear	0.X	$\pm 0.3$			title	MODULE ASSEMBLY, XCEDE HD	diag no	10120128
			0.XX	$\pm 0.10$	www.fci.com		cat. no.	-	Product - Customer Drw	sheet 8 of 8
		angular	0°	$\pm 2^\circ$			rev	B		