10120128 - X 0 C - X X X L F

- X: MODULE DESCRIPTION (see table)
- 0: 6-COLUMN DIFFERENTIAL SIGNAL
- C: 6-COLUMN DIFFERENTIAL SIGNAL
- X: BASE MODULE (see table)
- X: GUIDE PIN STYLE (see table)
- X: CONTACT MATING WIPE LENGTH / COMPLIANT TAIL TYPE (see table)
- L F: 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-XYYYY, WHERE: "X" DENOTES MODULE TYPE PER CHART ON THIS SHEET "YYYY" IS A SEQUENTIAL NUMBER BEGINNING WITH "0001".

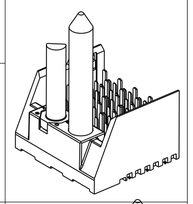
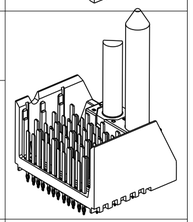
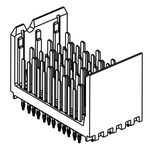
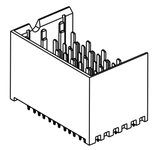
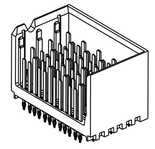
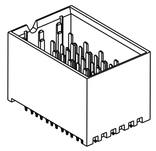
MODULE DESCRIPTION	LETTER DESIGNATION REPRESENTED IN DASH NUMBER										BASE MODULE
LEFT POLARIZING GUIDANCE MODULE (SEE SHEET 5)	N	J	A	B	C	D	E	F	G	H	
	NO KEY NO GUIDEPIN										
RIGHT POLARIZING GUIDANCE MODULE (SEE SHEET 5)	Z	Y	P	Q	R	S	T	U	V	W	
	NO KEY NO GUIDEPIN										
OPEN MODULE (TWO WALL) (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)	I (ONE)										

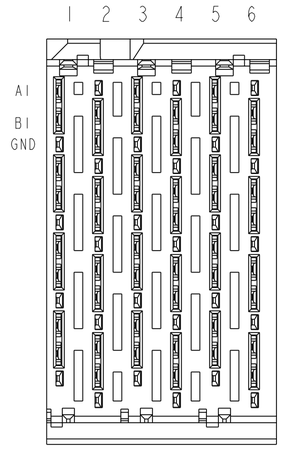
TABLE 1 (SEE NOTE 11)		
	UNGROUNDED	GROUNDED
FHS	Ø2.35-Ø2.55	Ø2.35-Ø2.55
PAD	N/A	Ø5.50
PLATED	NO	YES
DRILL(mm)	2.44mm	2.58mm
DRILL(in)	0.096"	0.1015"

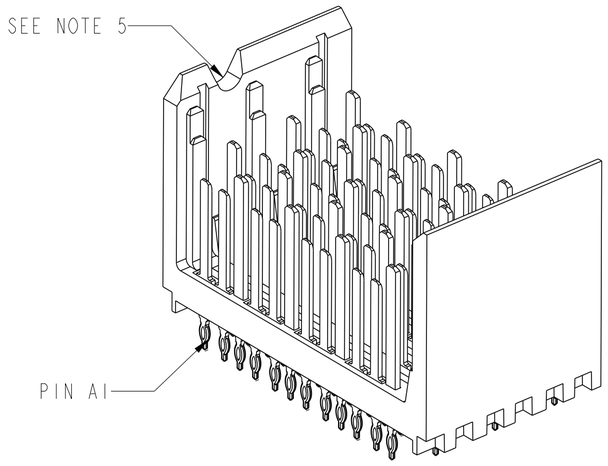
TABLE 2 (SEE NOTE 12)		
SCREW P/N	DESCRIPTION	BOARD THICKNESS
10091790-002LF	#2-56 X 0.375" LG. PHILIPS PANHEAD W/SQ CONICAL WASHER	1.60-5.00mm
10091790-003LF	#2-56 X 0.375" LG. PHILIPS PANHEAD W/SQ CONICAL WASHER	5.00-10.00mm

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	±0.050
	angular	0°	±2°

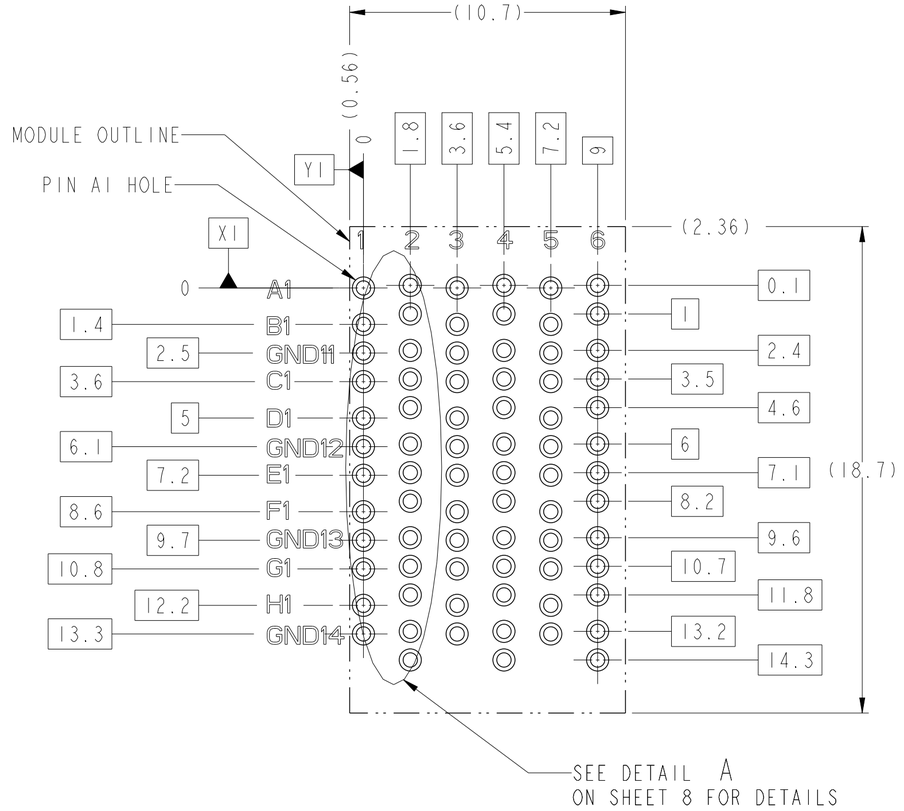
dr	Yong-Keat Lim	2012/03/01	projection	mm	size A2 / scale 1:1
eng	Sandar Soe	2013/03/20			
chr	-	-			ecn no ELX-S-14229-1
appr	Chen-Hong Tan	2013/04/09	product family -		rel level Released

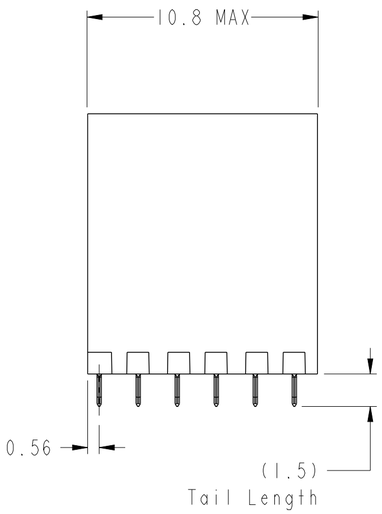
www.fci.com	title: MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 6 Column	dwg no 10120128	rev B
	cat. no. -	Product - Customer Drw	sheet 1 of 8

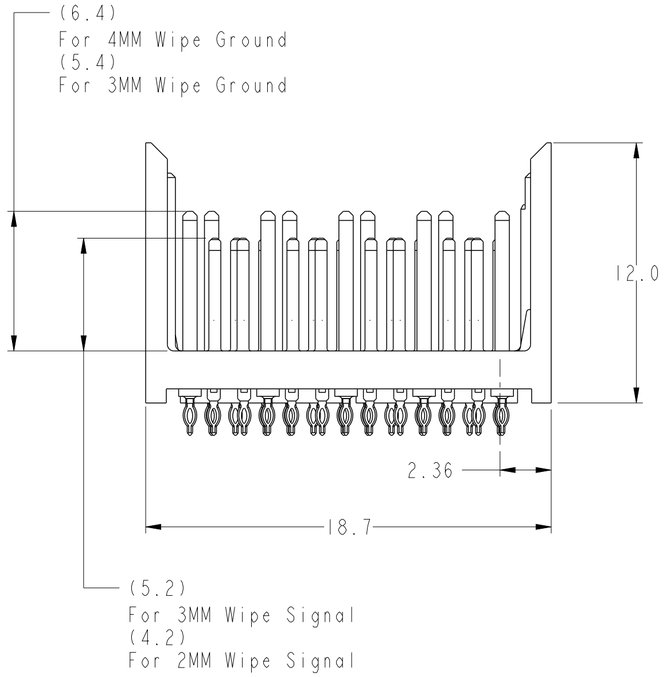


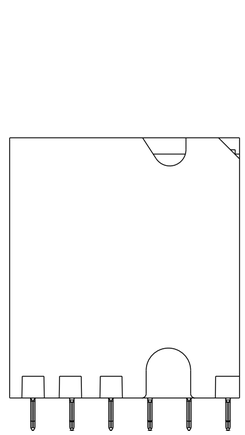


OPEN WALL MODULE





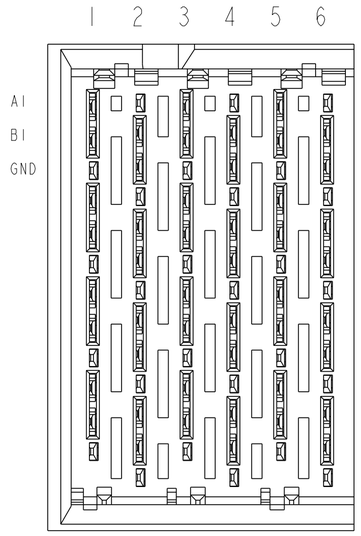




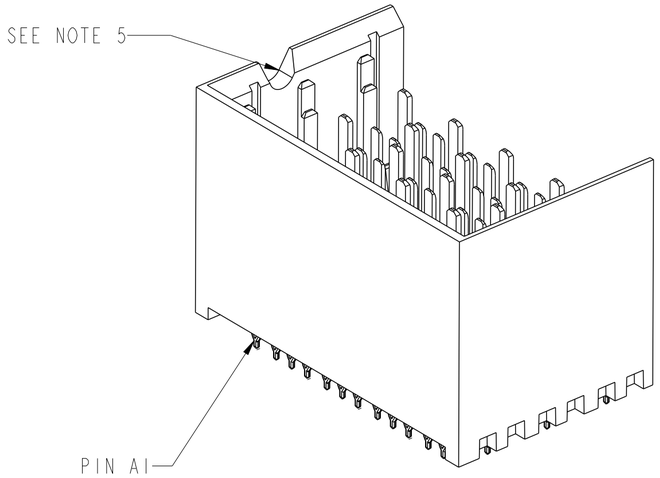
BP HOLE PATTERN COMPONENT SIDE

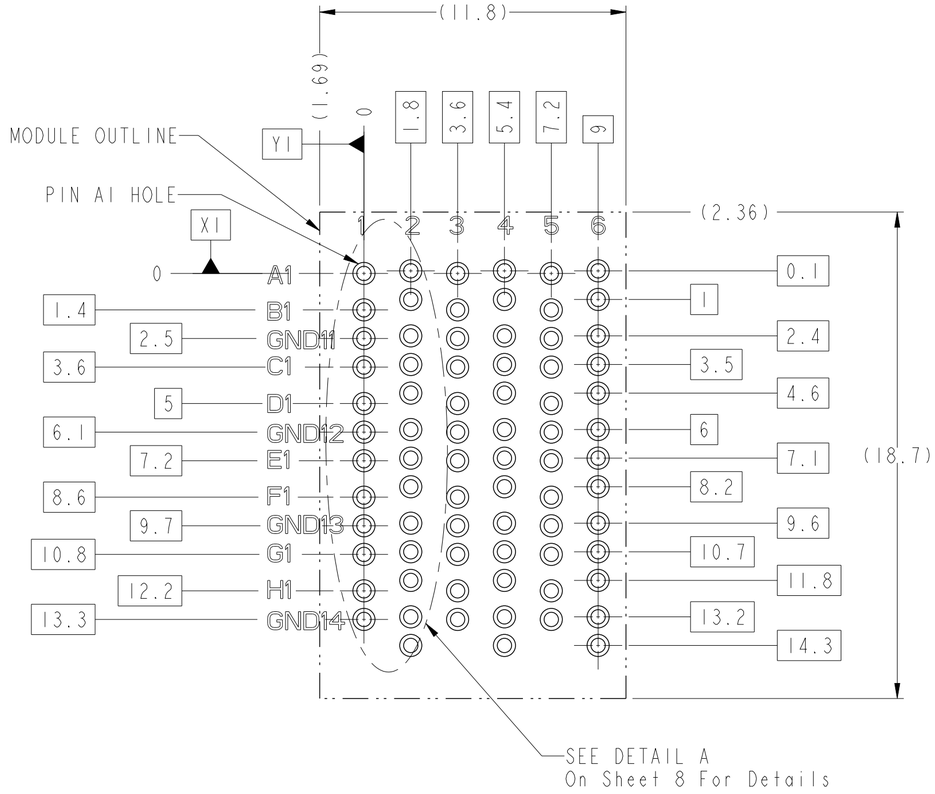
OPEN WALL MODULE BACKPLANE FOOTPRINT

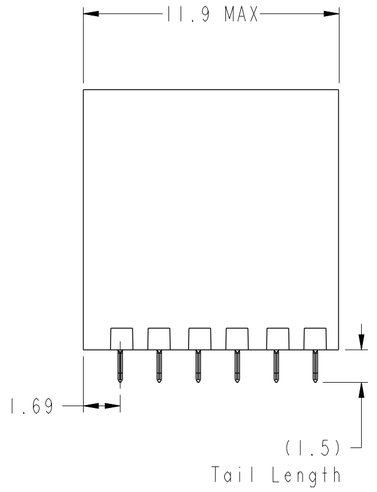
spec ref	-			dr	Yong-Keat Lim	2012/03/01	projection	mm	size A2	scale 2:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sandar Soe	2013/03/20			ecn no	ELX-S-14229-1
				chr	-	-				
				appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD	rel level	Released
surface ISO 1302	linear	0.X	±0.3	FCI	title	MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 6 Column	dwg no	10120128	rev B
		0.XX	±0.10						
		0.XXX	±0.050						
	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw		sheet 2 of 8

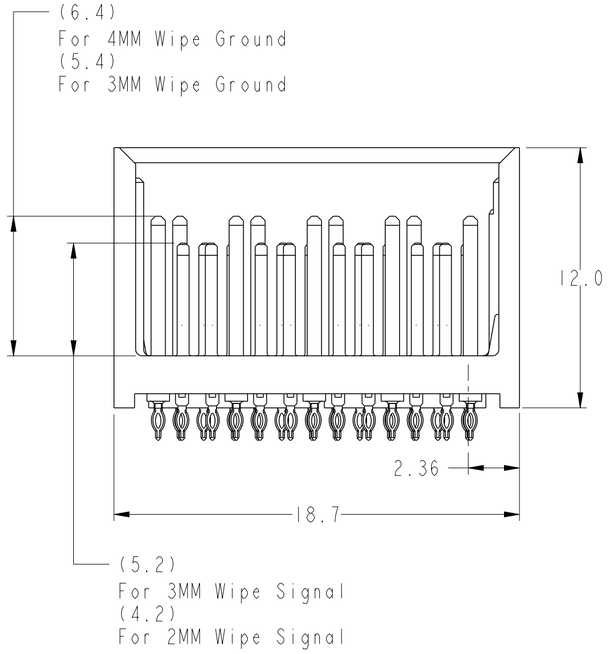


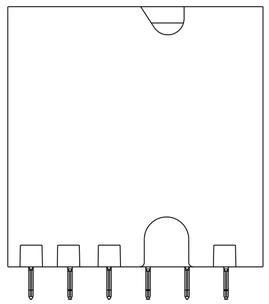
LEFT WALL MODULE







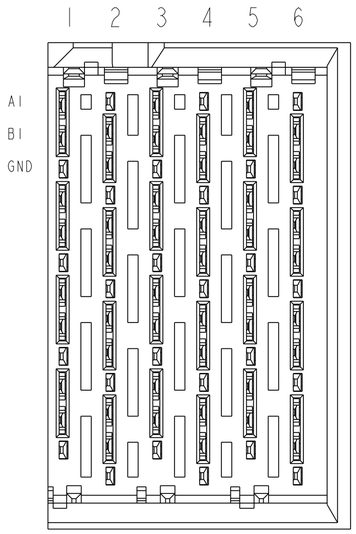




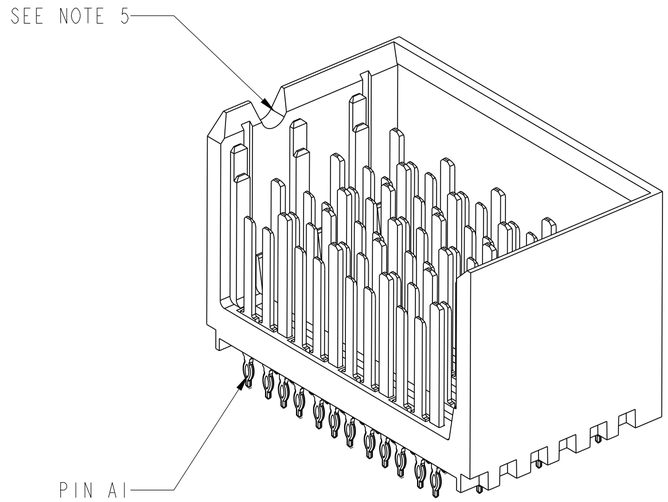
BP HOLE PATTERN COMPONENT SIDE

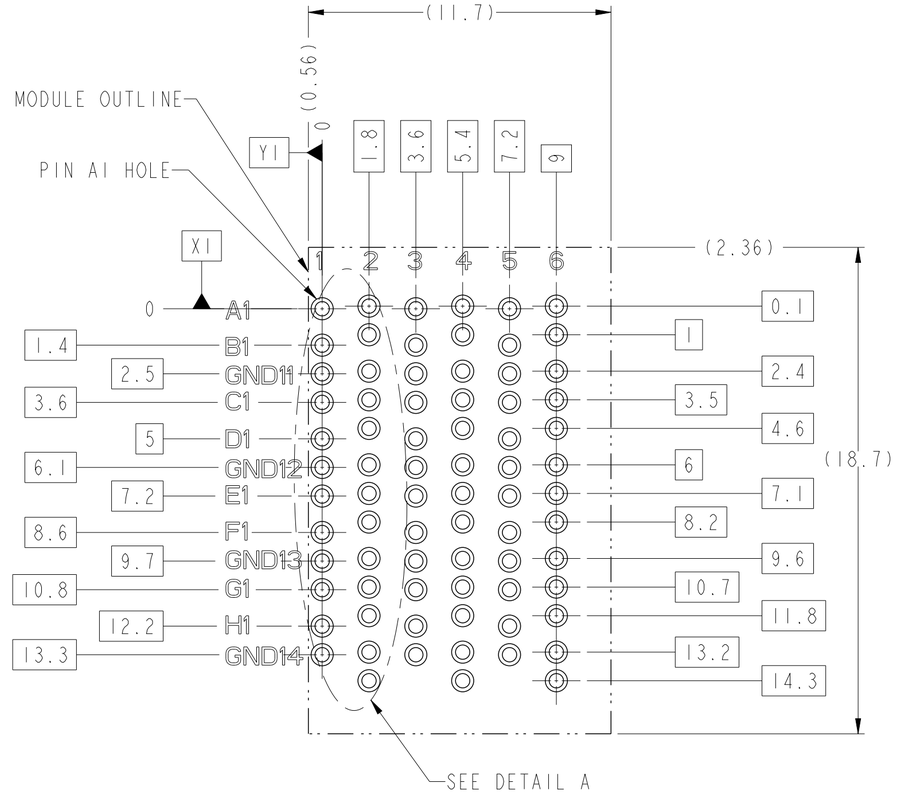
LEFT WALL MODULE BACKPLANE FOOTPRINT

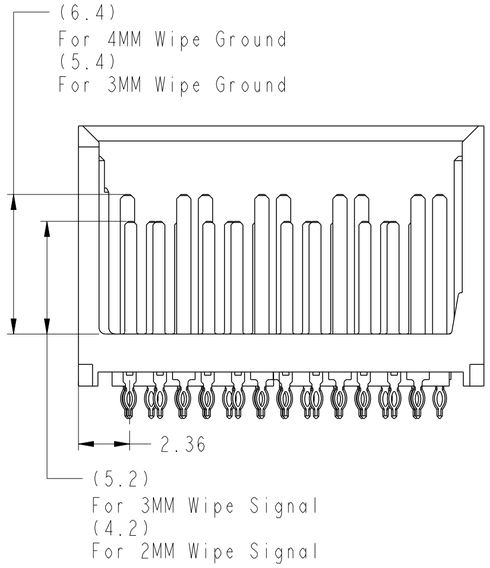
spec ref	-		dr	Yong-Keat Lim	2012/03/01	projection	mm	size A2 / scale 2:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sandar Soe	2013/03/20			ecn no ELX-S-14229-1
			chr	-	-			
			appr	Chen-Hong Tan	2013/04/09	product family XCEDE HD		rel level Released
surface - ISO 1302	linear	0.X ±0.3	FCI	title	MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 6 Column		dwg no 10120128	rev B
		0.XX ±0.10						
		0.XXX ±0.050						
	angular	0° ±2°	www.fci.com	cat. no.	-	Product - Customer Drw		sheet 3 of 8

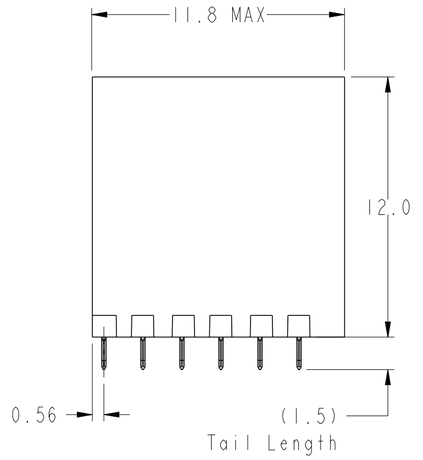


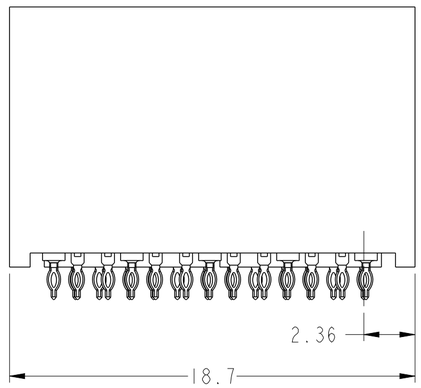
RIGHT WALL MODULE







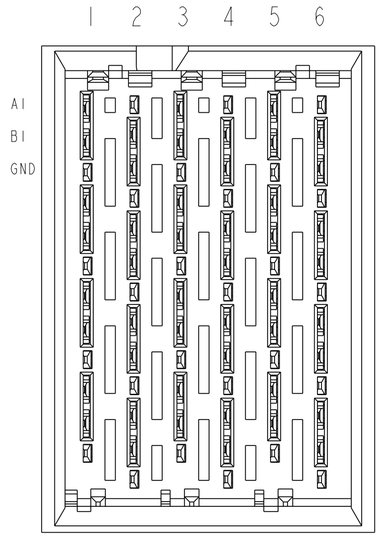




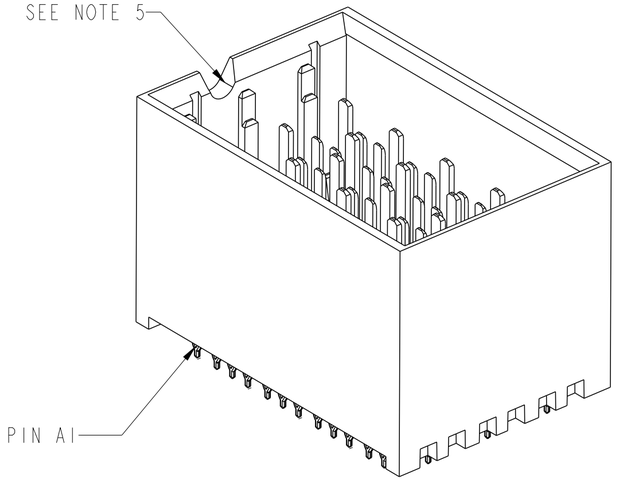
BP HOLE PATTERN COMPONENT SIDE

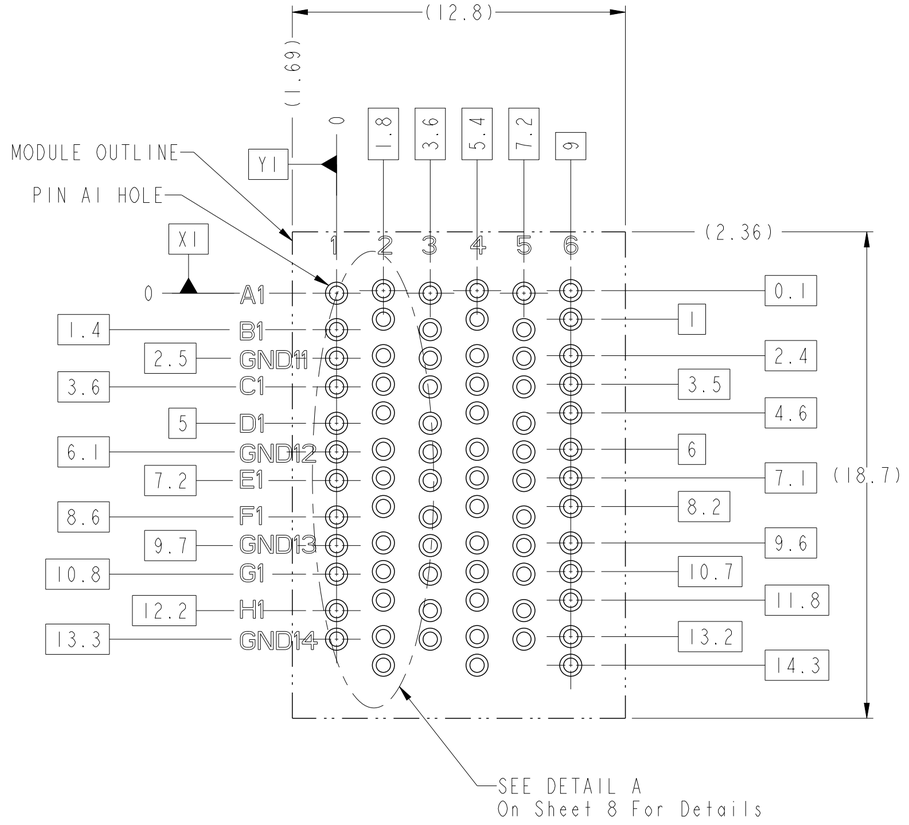
RIGHT WALL MODULE BACKPLANE FOOTPRINT

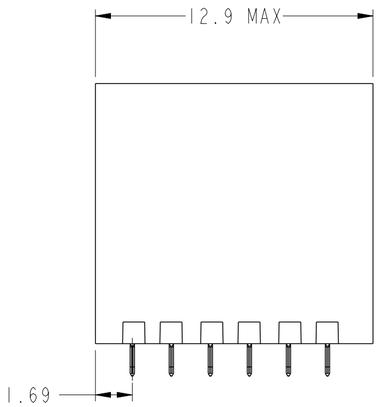
spec ref	-			dr	Yong-Keat Lim	2012/03/01	projection	mm	size A2 / scale 2:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sandar Soe	2013/03/20			ecn no ELX-S-14229-1
				chr	-	-			
				appr	Chen-Hong Tan	2013/04/09	product family XCEDE HD		rel level Released
surface - ISO 1302	linear	0.X	±0.3	FCI	title	MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 6 Column		dwg no 10120128	rev B
		0.XX	±0.10						
		0.XXX	±0.050						
	angular	0°	±2°	www.fci.com	cat. no. -	Product - Customer Drw		sheet 4 of 8	

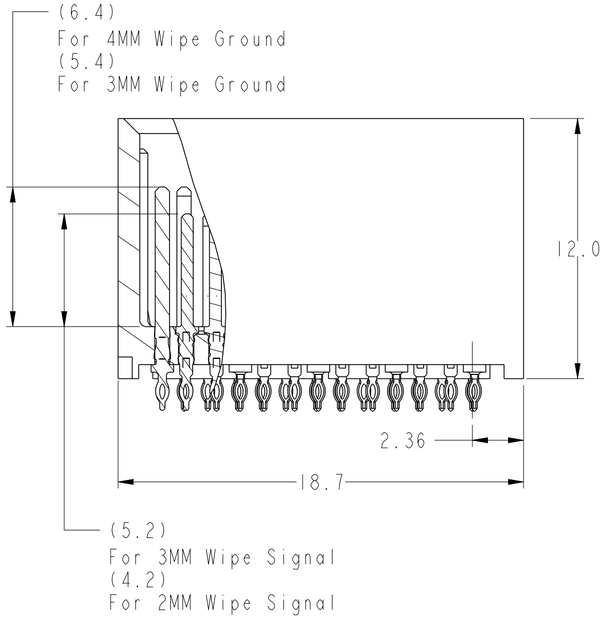


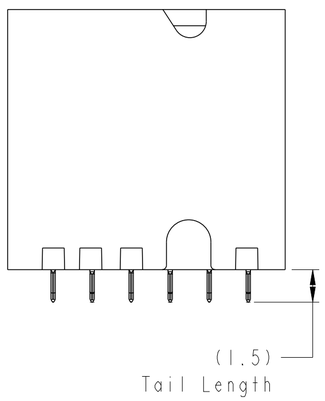
TWO WALL MODULE







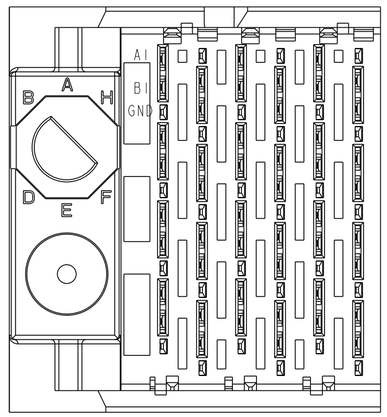




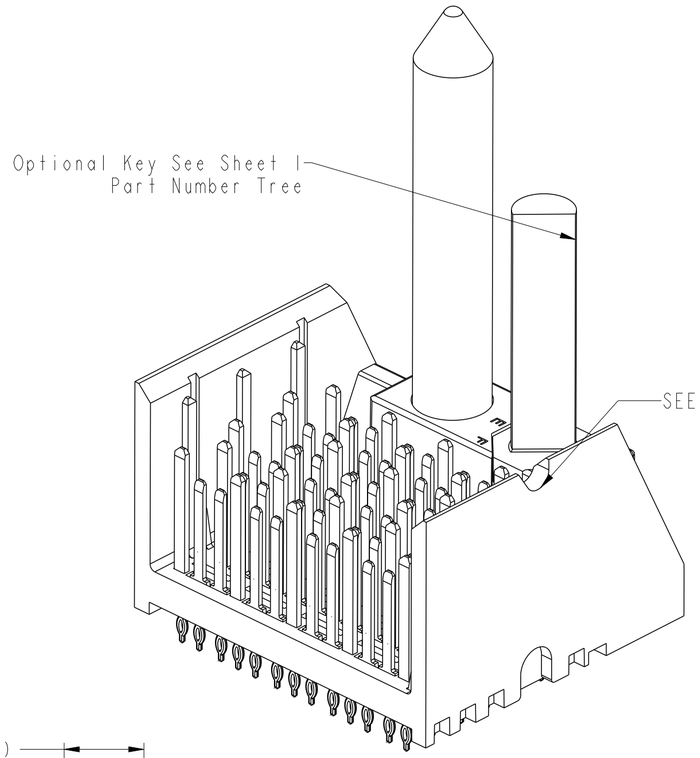
BP HOLE PATTERN COMPONENT SIDE

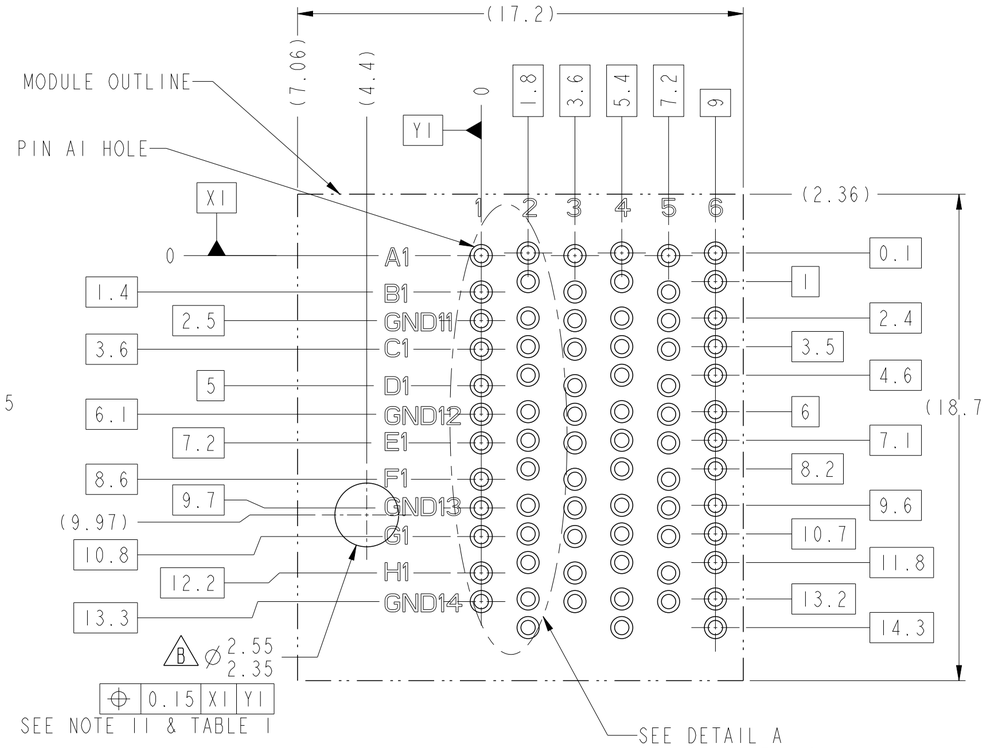
TWO WALL MODULE BACKPLANE FOOTPRINT

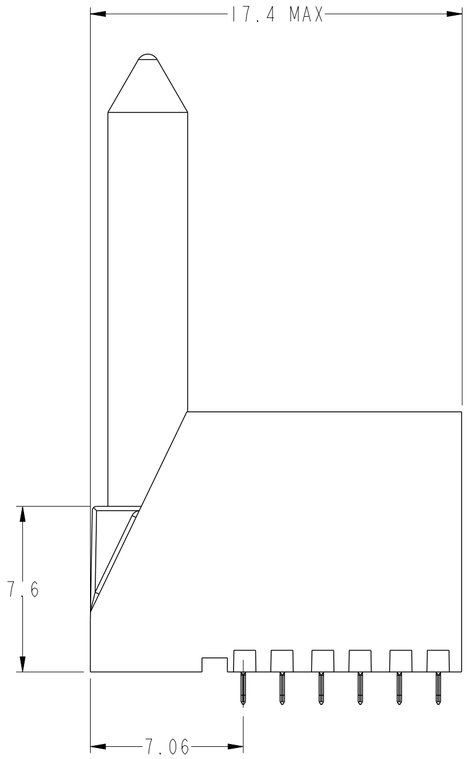
spec ref	-			dr	Yong-Keat Lim	2012/03/01	projection	mm	size A2 / scale 2:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sandar Soe	2013/03/20			ecn no ELX-S-14229-1
				chr	-	-			
				appr	Chen-Hong Tan	2013/04/09	product family XCEDE HD		rel level Released
surface ISO 1302	linear	0.X	±0.3	FCI www.fci.com	title MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 6 Column			dwg no 10120128	rev B
		0.XX	±0.10						
		0.XXX	±0.050						
	angular	0°	±2°		cat. no. -		Product - Customer Drw		sheet 5 of 8

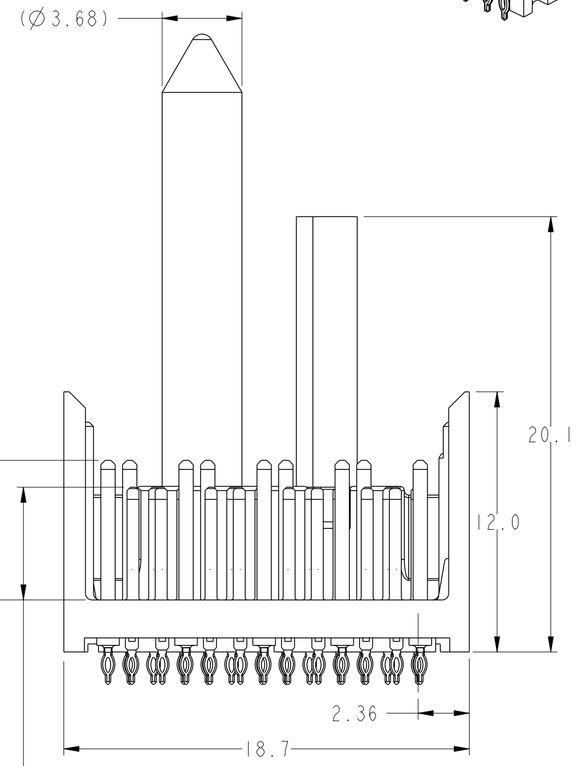


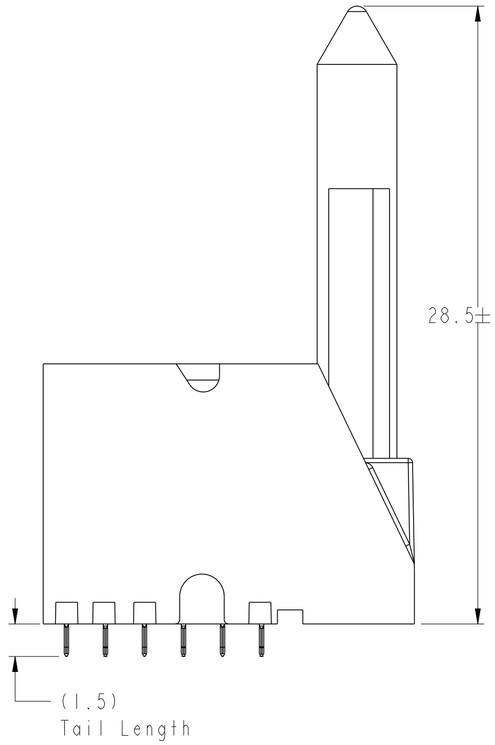
LEFT POLARIZING/GUIDE MODULE







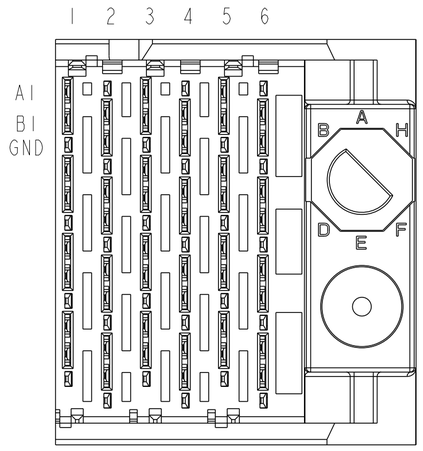




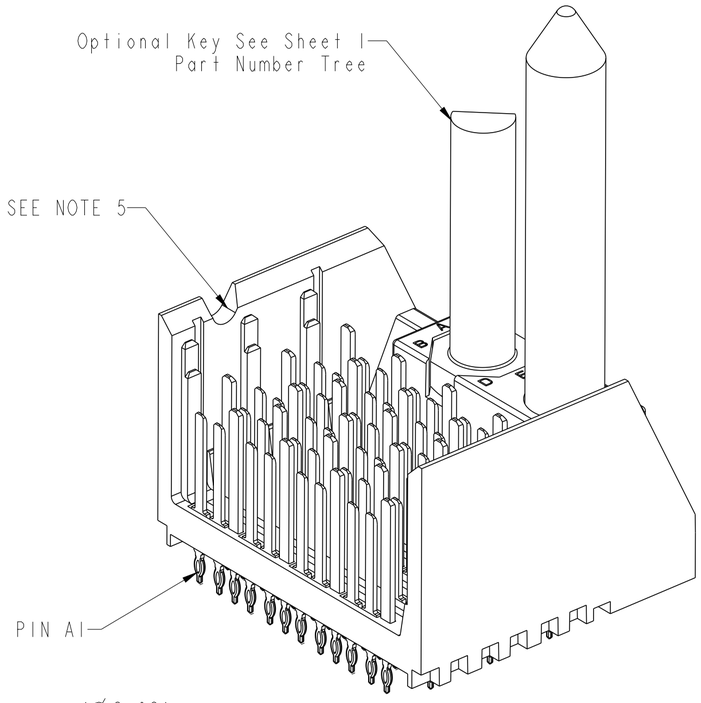
BP HOLE PATTERN COMPONENT SIDE

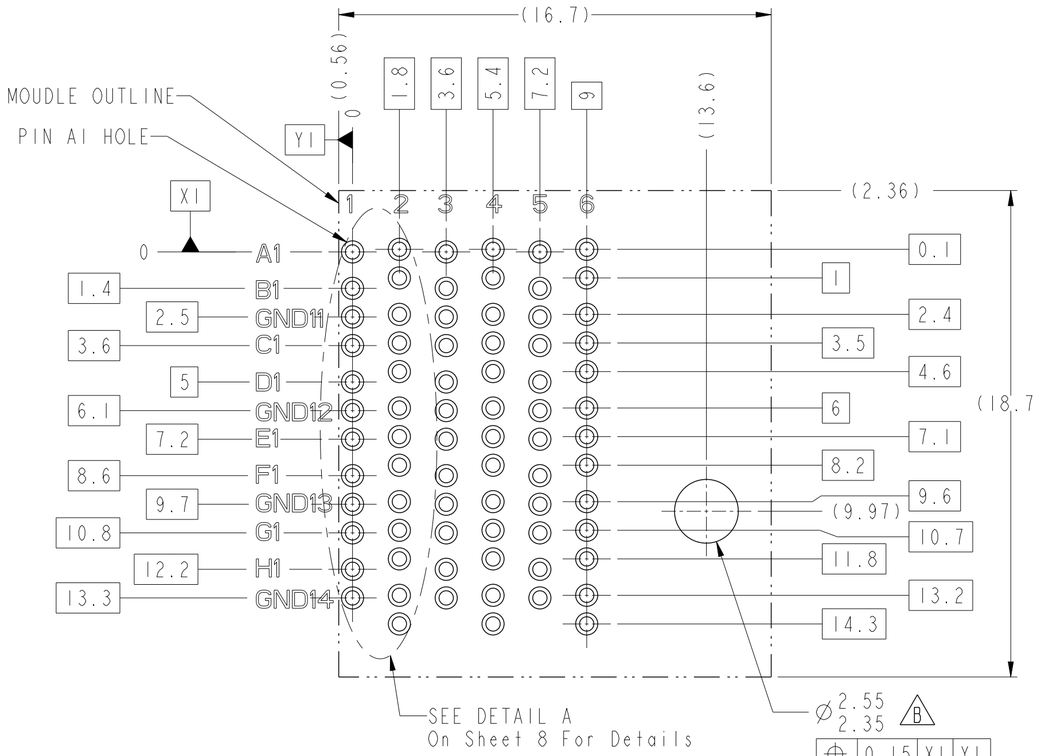
LEFT POLARIZING GUIDE MODULE BACKPLANE FOOTPRINT

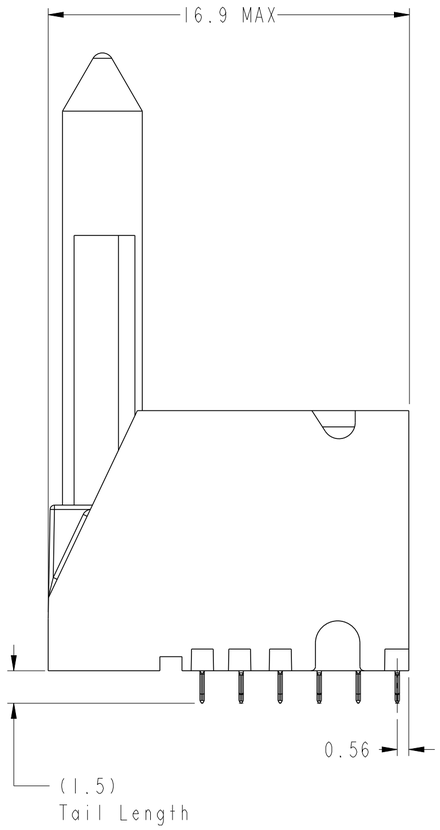
spec ref -			dr	Yong-Keat Lim	2012/03/01	projection	mm	size A2 / scale 2:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sandar Soe	2013/03/20			ecn no ELX-S-14229-1
			chr	-	-			
			appr	Chen-Hong Tan	2013/04/09	product family XCEDE HD		rel level Released
surface ISO 1302	linear	0.X ±0.3	FCI	title	MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 6 Column		dwg no 10120128	rev B
		0.XX ±0.10						
		0.XXX ±0.050						
	angular	0° ±2°	www.fci.com	cat. no. -	Product - Customer Drw			sheet 6 of 8

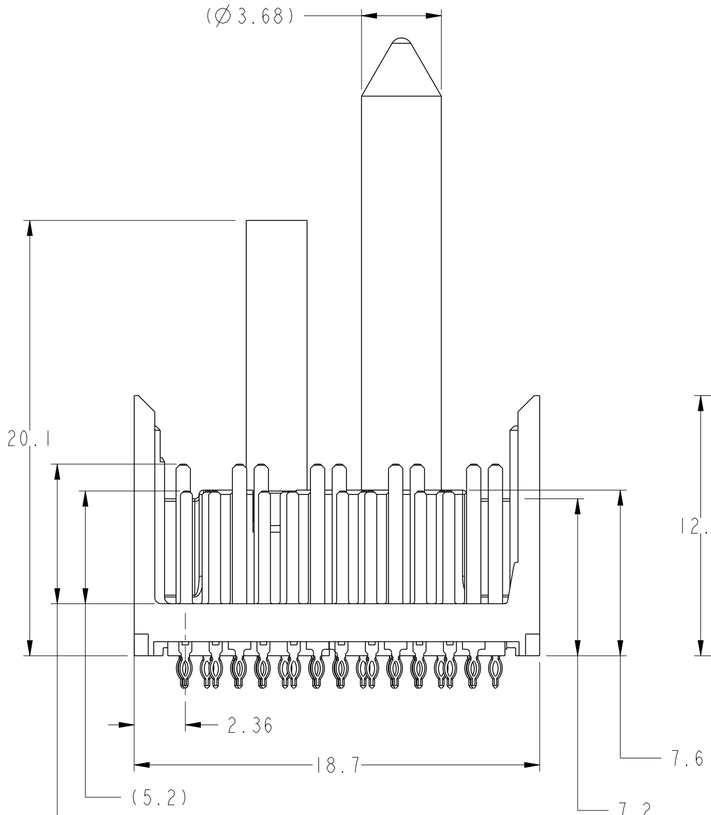


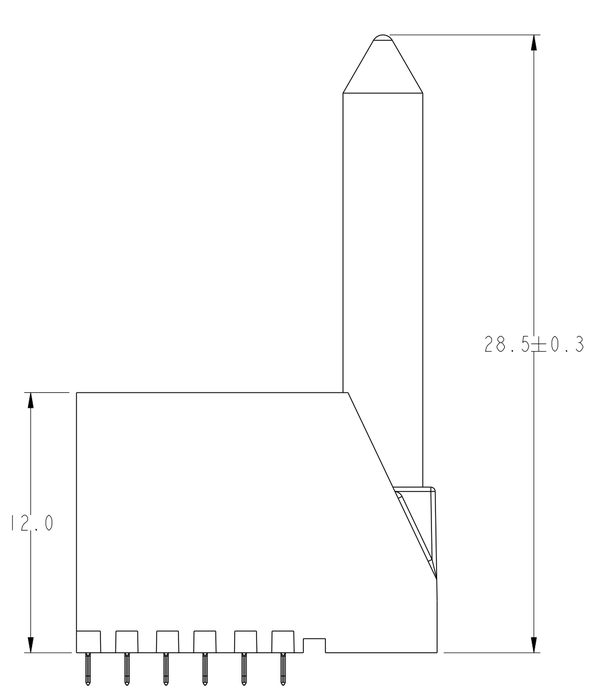
RIGHT POLARIZING/GUIDE MOUDLE







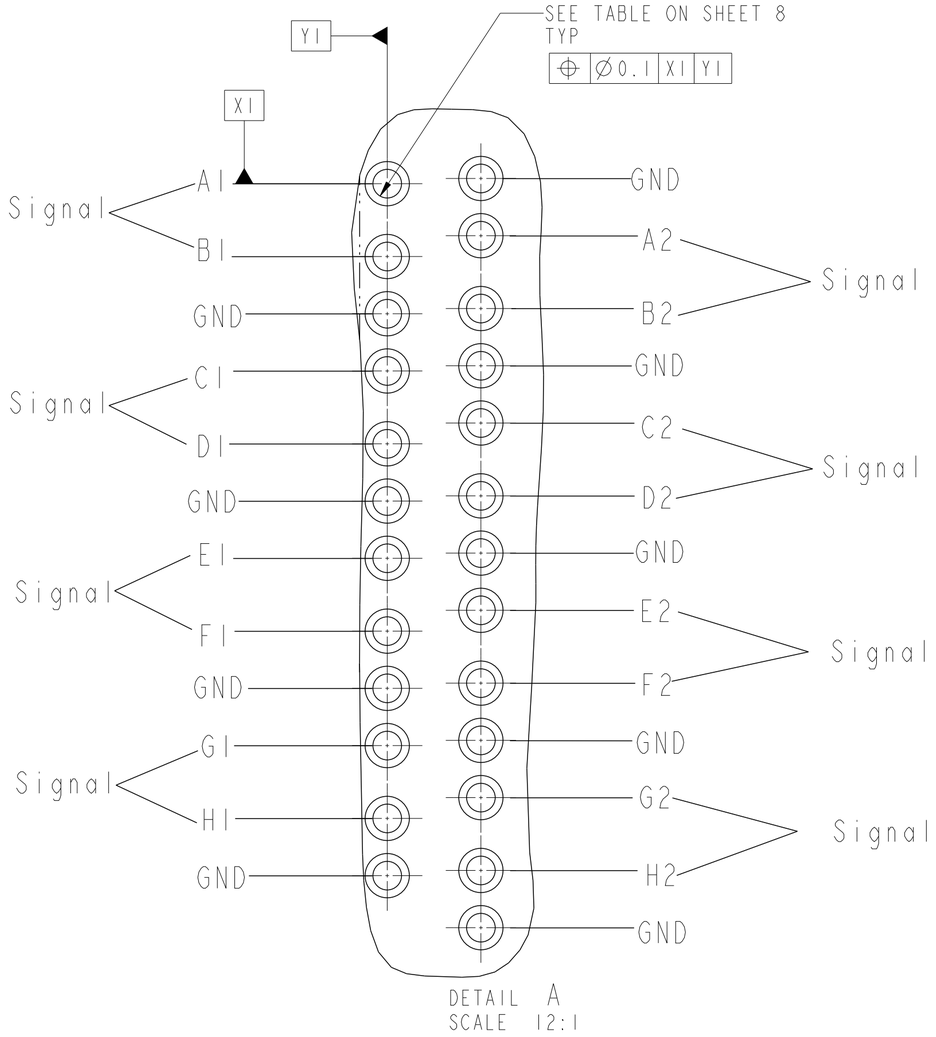




BP HOLE PATTERN COMPONENT SIDE

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	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sandar Soe	2013/03/20			ecn no ELX-S-14229-1
				chr	-	-			
				appr	Chen-Hong Tan	2013/04/09	product family XCEDE HD		rel level Released
surface ISO 1302	linear	0.X	±0.3	FCI	title	MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 6 Column		dwg no 10120128	rev B
		0.XX	±0.10						
		0.XXX	±0.050						
	angular	0°	±2°	www.fci.com	cat. no. -		Product - Customer Drw		sheet 7 of 8



DETAIL A
SCALE 12:1

TABLE 3		
	COMPLIANT PIN DRILL ∅0.55[0.0217"]	COMPLIANT PIN DRILL ∅0.45[0.0177"]
PTH	∅0.45±0.05	∅0.36±0.05
DRILL	∅0.55 [0.0217"]	∅0.45 [0.0177"]
PAD	∅0.85	∅0.75

NOTES:

1. CONNECTOR MATERIALS
   SHROUD : HIGH-TEMP POLYMER, COLOR : BLACK, UL94V-0
   CONTACTS : HIGH PREFORMANCE COPPER ALLOY

2. PRODUCT SPECIFICATION : GS-12-0936

3. APPLICATION SPECIFICATION : GS-20-0348

4. PRODUCT MARKING :
   PART NUMBER (10120128-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 (B) SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE THAT HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

(B) (11.) OPTIONAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE-PIN SUPPORT. SEE TABLE 1 SHEET 1 FOR ADDITIONAL DETAILS.

(B) (12) 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
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sandar Soe	2013/03/20		
			chr	-	-		
			appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD
surface ISO 1302	linear	0.X ±0.3	FCI	title	MODULE ASSEMBLY, XCEDE HD	dwg no	10120128
		0.XX ±0.10			Vertical Header, 4 Pair 6 Column		
		0.XXX ±0.050					
	angular	0° ±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 8 of 8

size	scale	rev
A2	2:1	B

ecn no ELX-S-14229-1
rel level Released

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

FCI:

10120128-10C-10DLF 10120128-V0C-50DLF 10120128-T0C-30DLF 10120128-Q0C-70DLF 10120128-J0C-30DLF 10120128-M0C-50DLF 10120128-E0C-60DLF 10120128-G0C-20DLF 10120128-U0C-40DLF 10120128-L0C-70DLF 10120128-G0C-10DLF 10120128-J0C-40DLF 10120128-D0C-30DLF 10120128-00C-20DLF 10120128-S0C-70DLF 10120128-H0C-40DLF 10120128-W0C-70DLF 10120128-10C-40DLF 10120128-P0C-60DLF 10120128-B0C-70DLF 10120128-F0C-50DLF 10120128-J0C-60DLF 10120128-R0C-50DLF 10120128-W0C-40DLF 10120128-Y0C-20DLF 10120128-F0C-10DLF 10120128-F0C-40DLF 10120128-L0C-60DLF 10120128-U0C-70DLF 10120128-R0C-10DLF 10120128-T0C-40DLF 10120128-V0C-30DLF 10120128-L0C-50DLF 10120128-W0C-60DLF 10120128-B0C-80DLF 10120128-G0C-60DLF 10120128-S0C-80DLF 10120128-V0C-10DLF 10120128-U0C-10DLF 10120128-L0C-30DLF 10120128-B0C-20DLF 10120128-00C-40DLF 10120128-Y0C-70DLF 10120128-Q0C-30DLF 10120128-P0C-50DLF 10120128-10C-70DLF 10120128-S0C-30DLF 10120128-H0C-10DLF 10120128-E0C-30DLF 10120128-S0C-40DLF 10120128-00C-70DLF 10120128-Y0C-80DLF 10120128-D0C-80DLF 10120128-G0C-50DLF 10120128-P0C-20DLF 10120128-10C-30DLF 10120128-R0C-80DLF 10120128-W0C-10DLF 10120128-V0C-20DLF 10120128-P0C-40DLF 10120128-U0C-80DLF 10120128-A0C-10DLF 10120128-A0C-20DLF 10120128-L0C-10DLF 10120128-C0C-50DLF 10120128-J0C-20DLF 10120128-F0C-20DLF 10120128-B0C-40DLF 10120128-00C-10DLF 10120128-F0C-30DLF 10120128-C0C-70DLF 10120128-G0C-30DLF 10120128-Y0C-60DLF 10120128-M0C-20DLF 10120128-H0C-50DLF 10120128-00C-50DLF 10120128-Q0C-40DLF 10120128-U0C-20DLF 10120128-10C-50DLF 10120128-B0C-10DLF 10120128-V0C-80DLF 10120128-R0C-60DLF 10120128-F0C-80DLF 10120128-T0C-80DLF 10120128-C0C-30DLF 10120128-S0C-20DLF 10120128-E0C-20DLF 10120128-E0C-50DLF 10120128-H0C-30DLF 10120128-A0C-30DLF 10120128-B0C-50DLF 10120128-U0C-50DLF 10120128-W0C-50DLF 10120128-M0C-40DLF 10120128-Q0C-50DLF 10120128-Q0C-60DLF 10120128-U0C-60DLF 10120128-B0C-60DLF 10120128-P0C-10DLF 10120128-00C-60DLF