

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)										

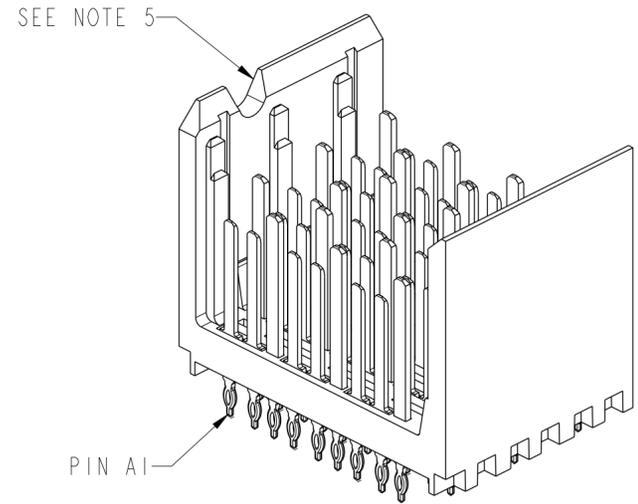
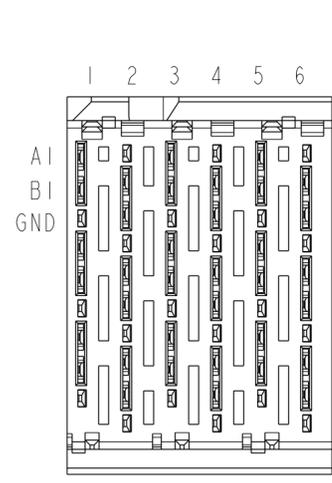
NUMBER	CONTACT MATING WIPE LENGTH		COMPLIANT TAIL TYPE (SEE NOTE 9)
	SIGNAL	GROUND	
1	2 MM	4 MM	0.55 (0.0217") DRILL
2	3 MM	4 MM	0.55 (0.0217") DRILL
3	2 MM	4 MM	0.45 MICRO (0.0177") DRILL
4	3 MM	4 MM	0.45 MICRO (0.0177") DRILL
5	2 MM	3 MM	0.55 (0.0217") DRILL
6	3 MM	3 MM	0.55 (0.0217") DRILL
7	2 MM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

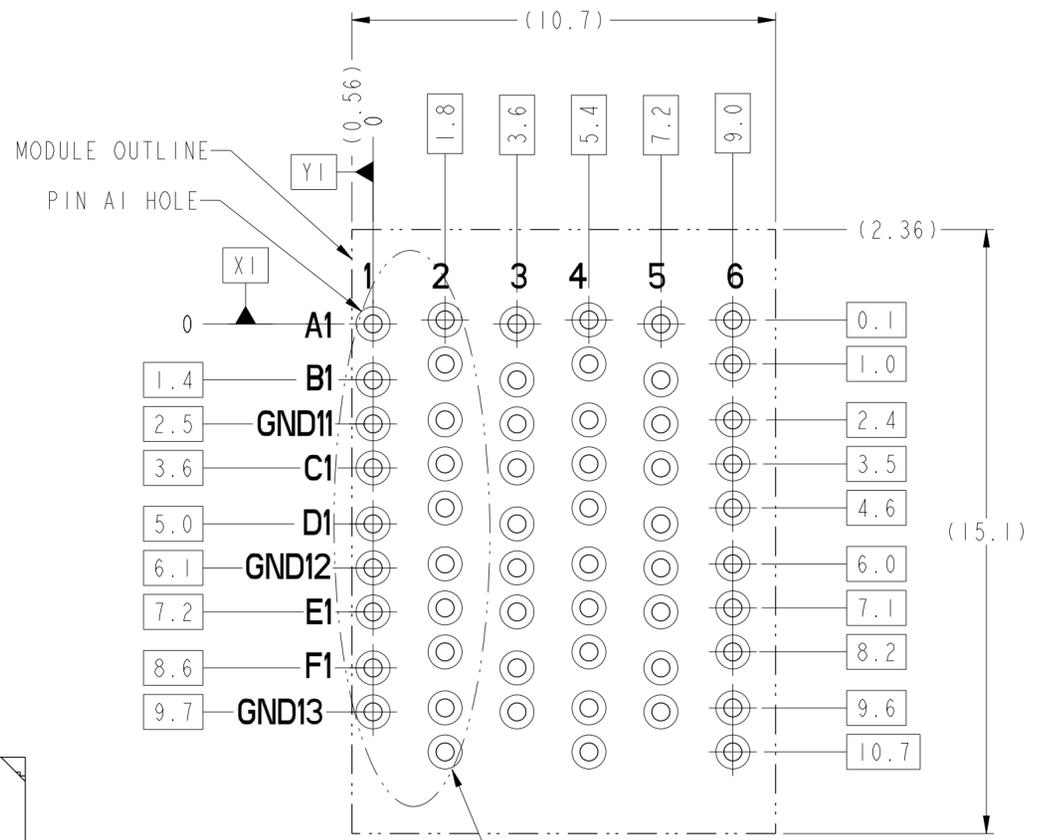
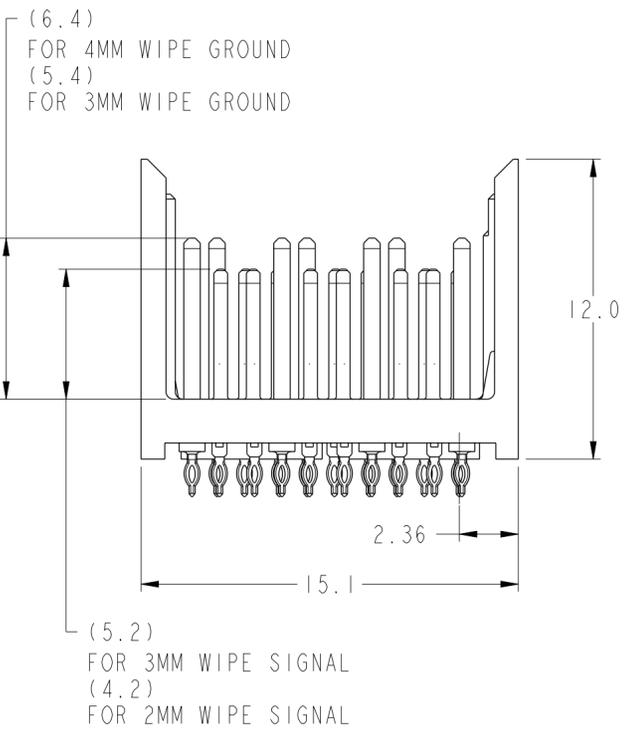
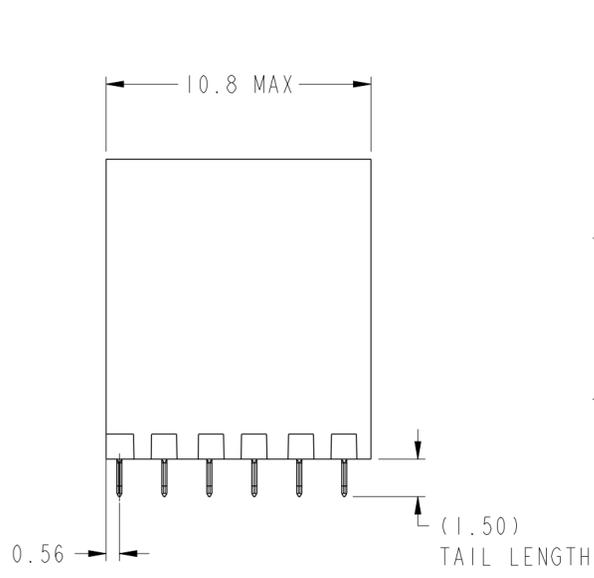
	UNGROUND	GROUND
FHS	∅2.35-∅2.55	∅2.35-∅2.55
PAD	N/A	∅5.50
PLATED	NO	YES
DRILL(mm)	2.44mm	2.58mm
DRILL(in)	0.096"	0.1015"

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	chr	-	ecn no	ELX-8-14229-1	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							Product - Customer Drw	sheet 1 of 8	
	linear	0.X	±0.3							
		0.XX	±0.10							
		0.XXX	±0.05							
	angular	0°	±2°							



OPEN WALL MODULE

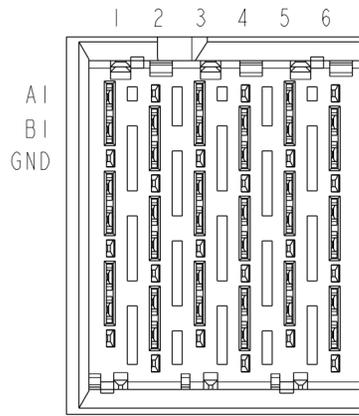


SEE DETAIL A ON SHEET 8 FOR PINOUT DETAILS
BP HOLE PATTERN COMPONENT SIDE

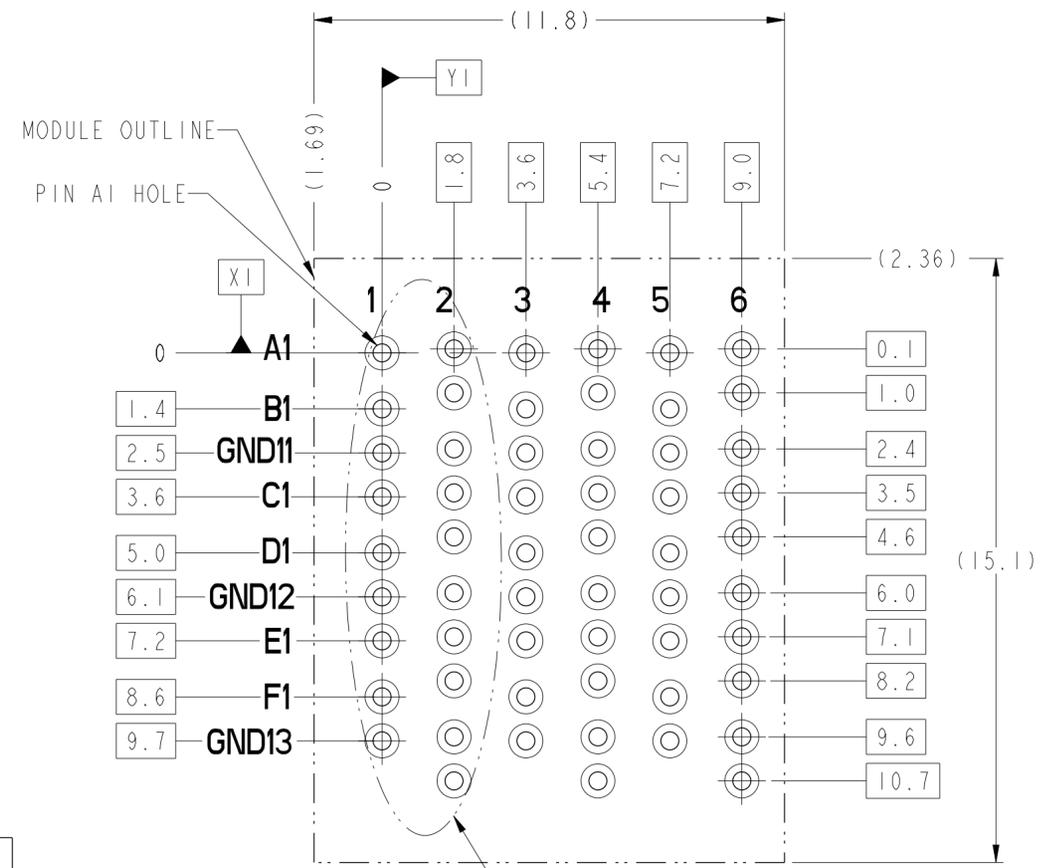
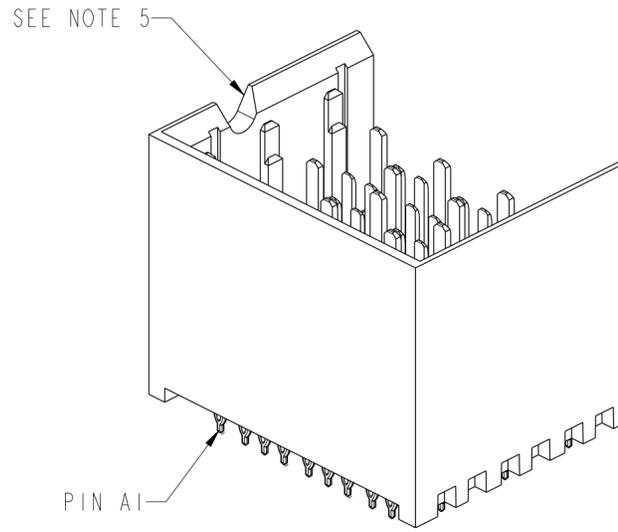
OPEN WALL MODULE BACKPLANE FOOTPRINT

Copyright FCI.
FCI

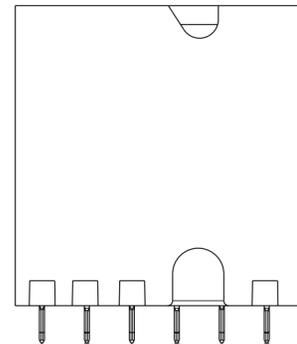
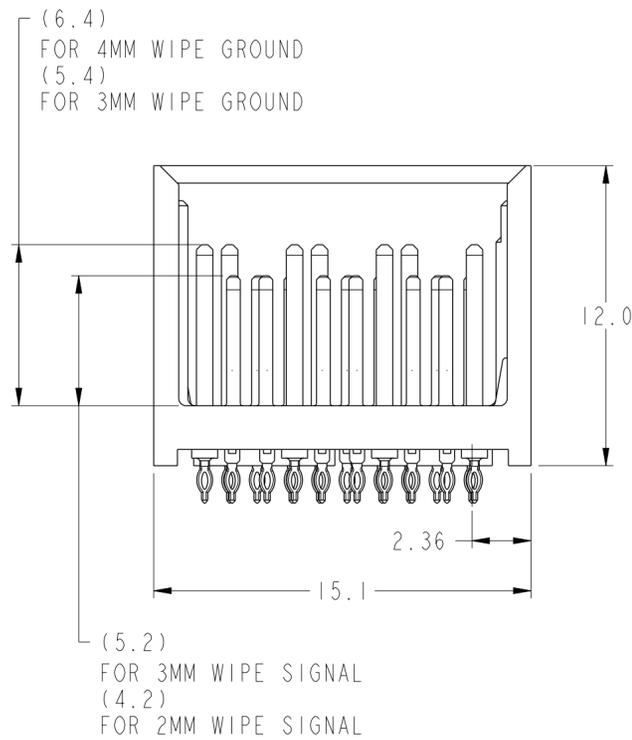
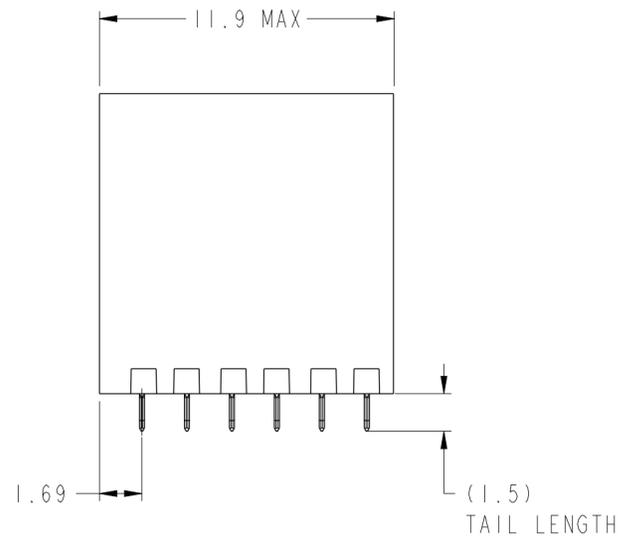
spec ref	-	dr	Mary Glass	2012/02/02	projection	MM	size	A2	scale	5:1		
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2013/03/20			ecn no	ELX-8-14229-1	rel level	Released		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr							Chen-Hong Tan	2013/04/09
surface	ISO 1302	linear	0.X	±0.3		FCI XCEDE HD VERTICAL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



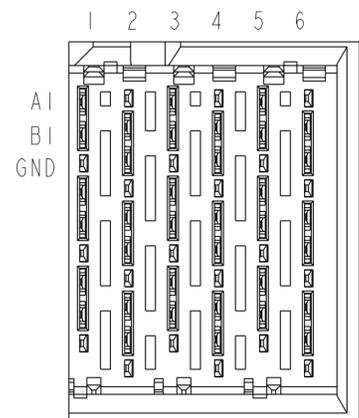
LEFT WALL MODULE



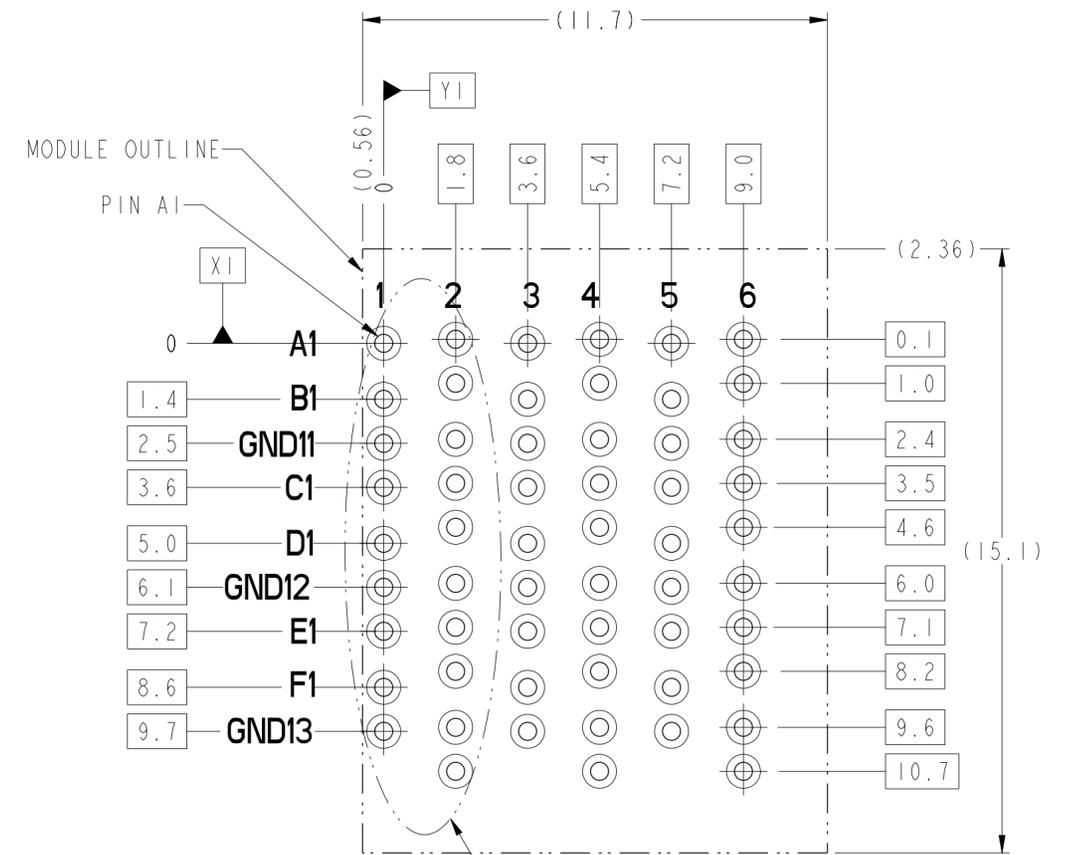
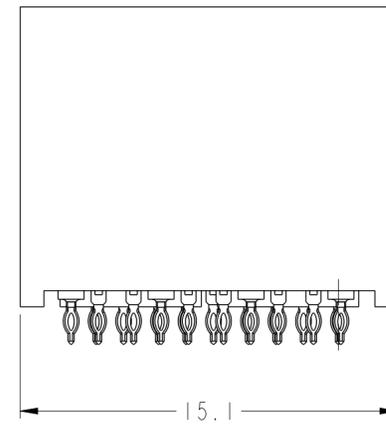
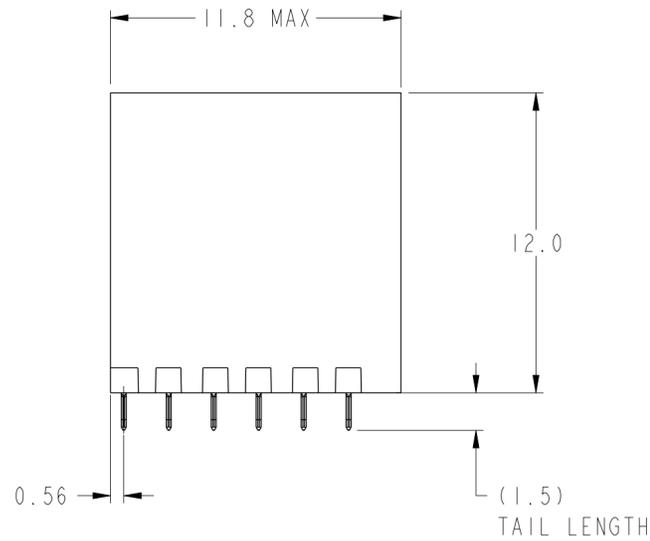
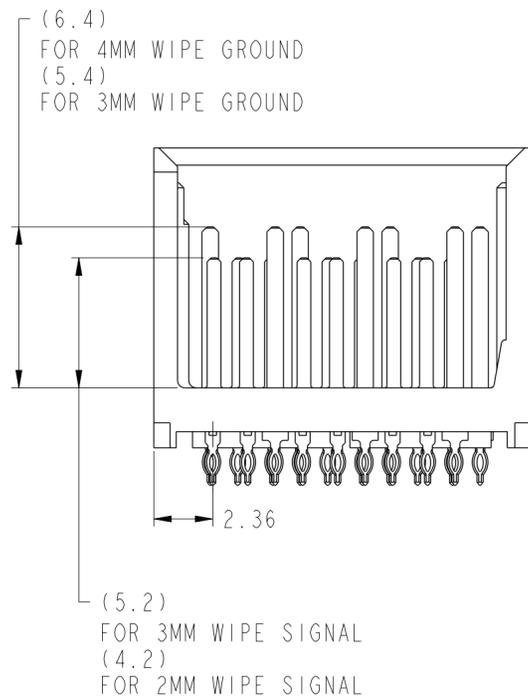
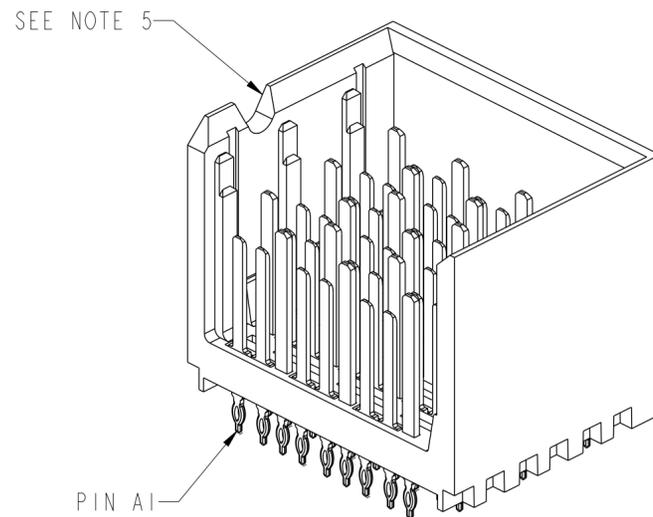
BP HOLE PATTERN COMPONENT SIDE
LEFT WALL MODULE BACKPLANE FOOTPRINT



spec ref	-	dr	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		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°			www.fci.com			



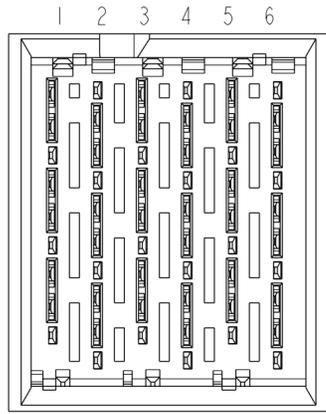
RIGHT WALL MODULE



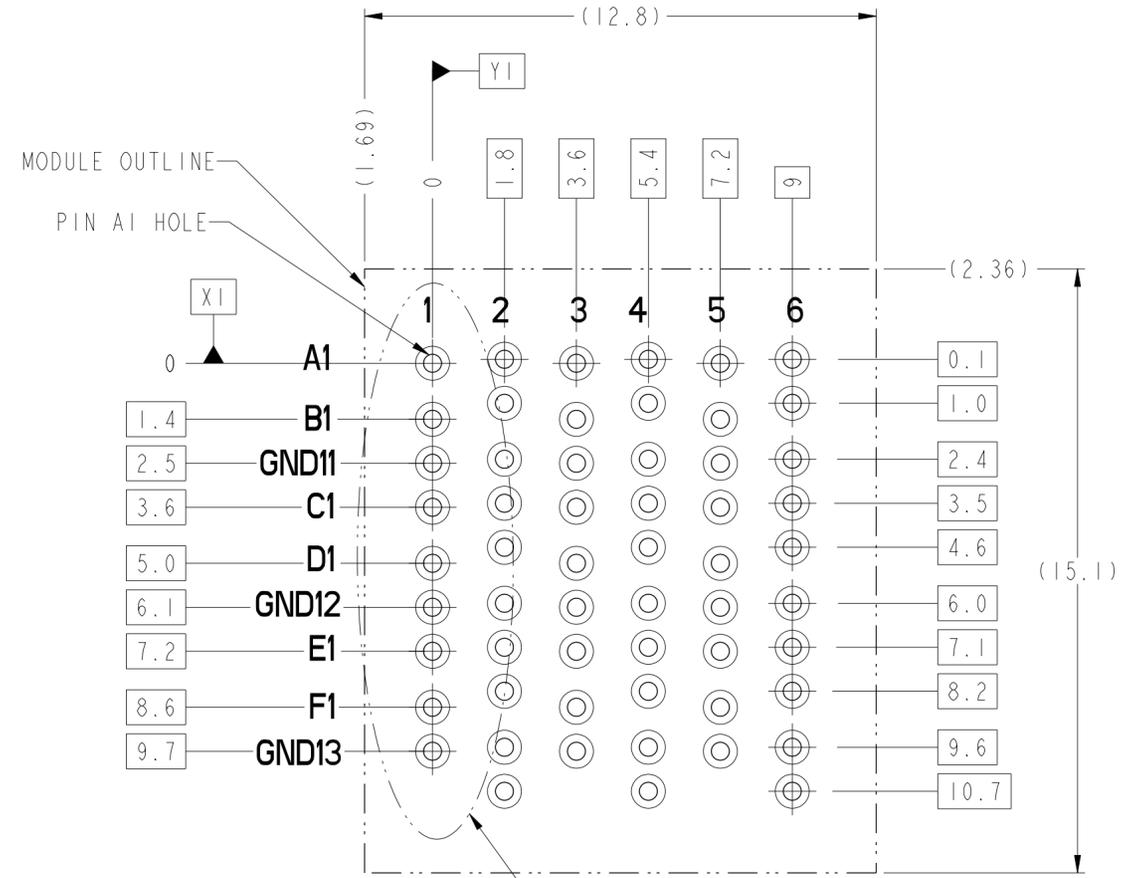
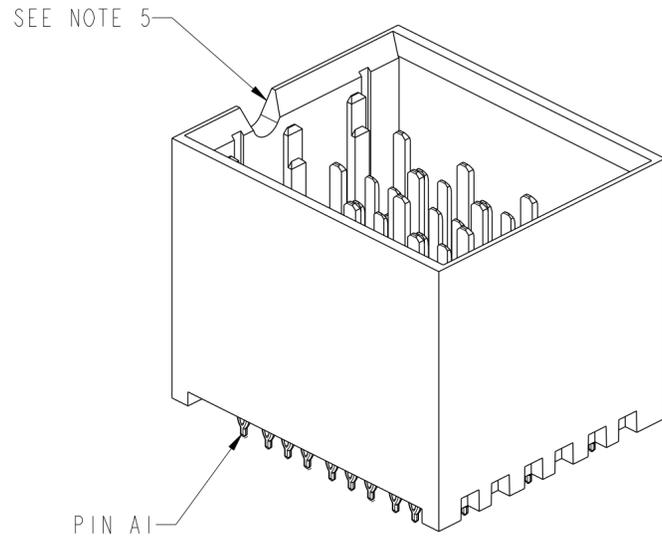
SEE DETAIL A
ON SHEET 8 FOR PINOUT DETAILS

BP HOLE PATTERN COMPONENT SIDE
RIGHT 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-8-14229-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr						
surface	ISO 1302	linear	0.X	±0.3		FCI XCEDE HD VERTICAL HEADER 3 PAIR, 6 COLUMN STITCH HEADER	title 10119128	dwg no 10119128	rev B	cat. no. Product - Customer Drw
			0.XX	±0.10						
			0.XXX	±0.05						
		angular	0°	±2°	www.fci.com					sheet 4 of 8



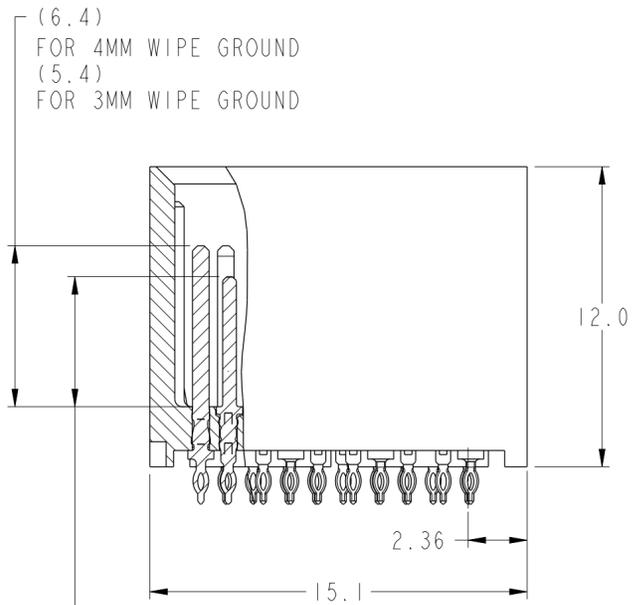
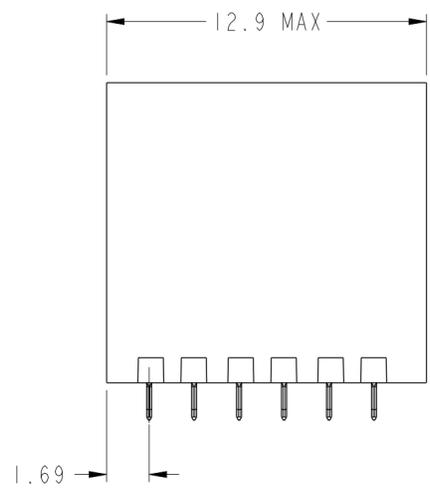
FOUR WALL MODULE



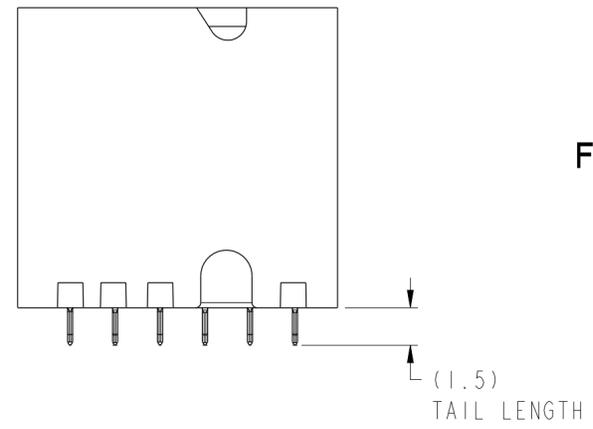
SEE DETAIL A ON SHEET 8 FOR PINOUT DETAILS

BP HOLE PATTERN COMPONENT SIDE

FOUR WALL MODULE BACKPLANE FOOTPRINT

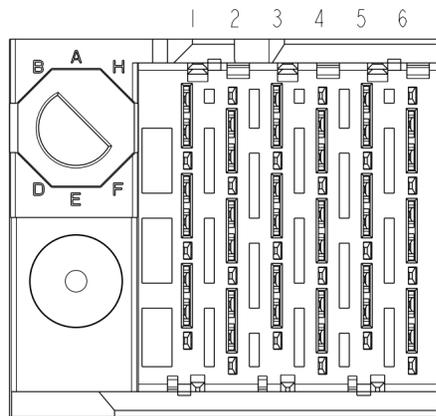


(5.2) FOR 3MM WIPE SIGNAL
(4.2) FOR 2MM WIPE SIGNAL



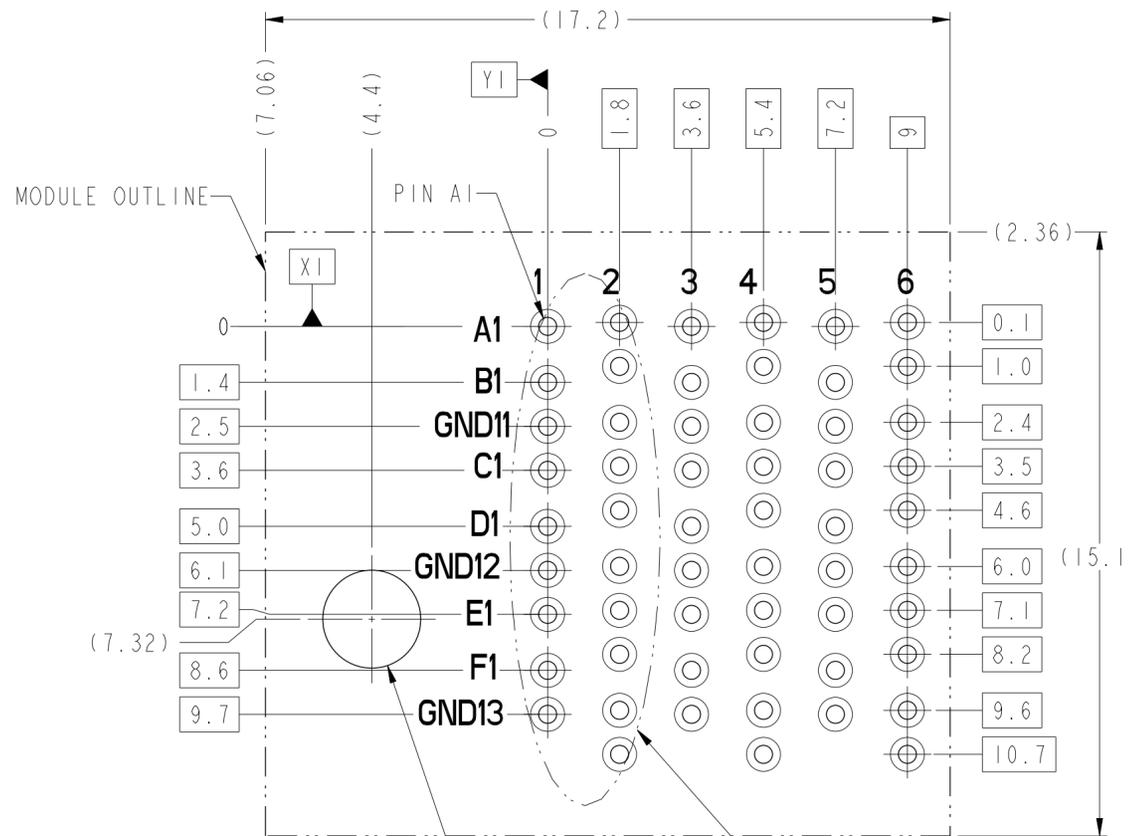
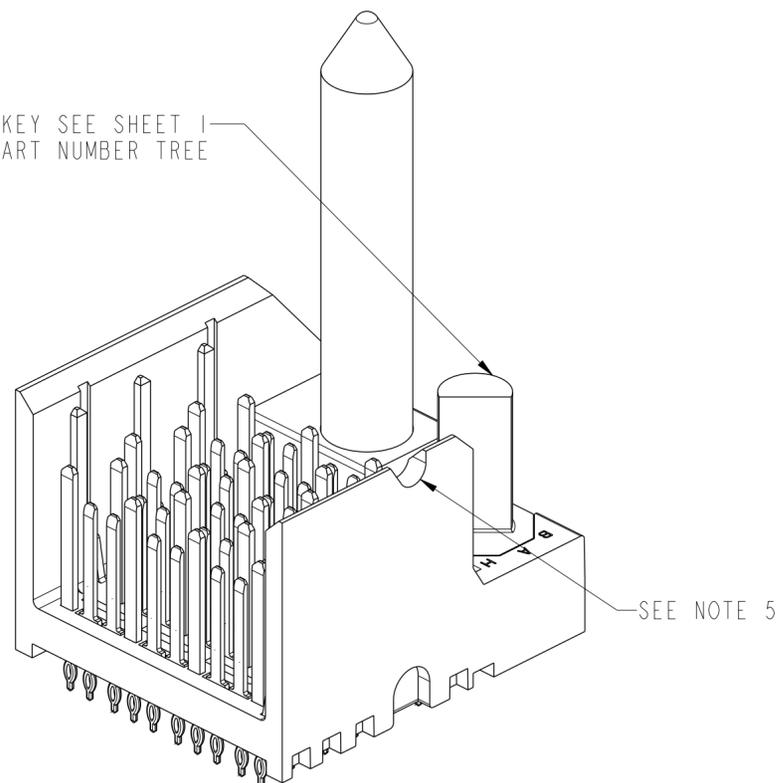
Copyright FCI.

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			title	XCEDE HD VERTICAL HEADER		rev	B
		angular	0°	±2°	www.fci.com		3 PAIR, 6 COLUMN STITCH HEADER	cat. no.	-	Product - Customer Draw	sheet 5 of 8



LEFT POLARIZING / GUIDE MODULE

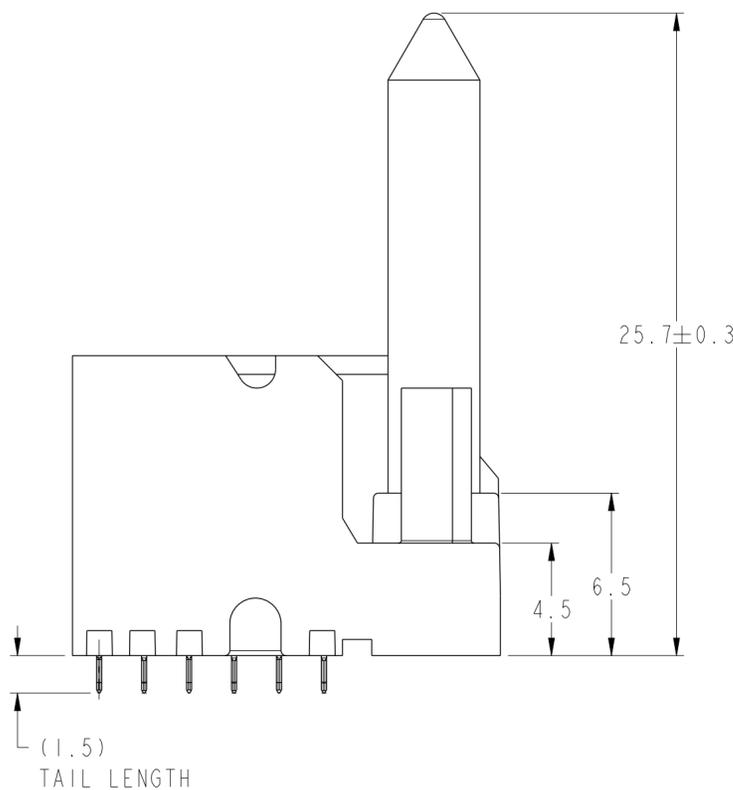
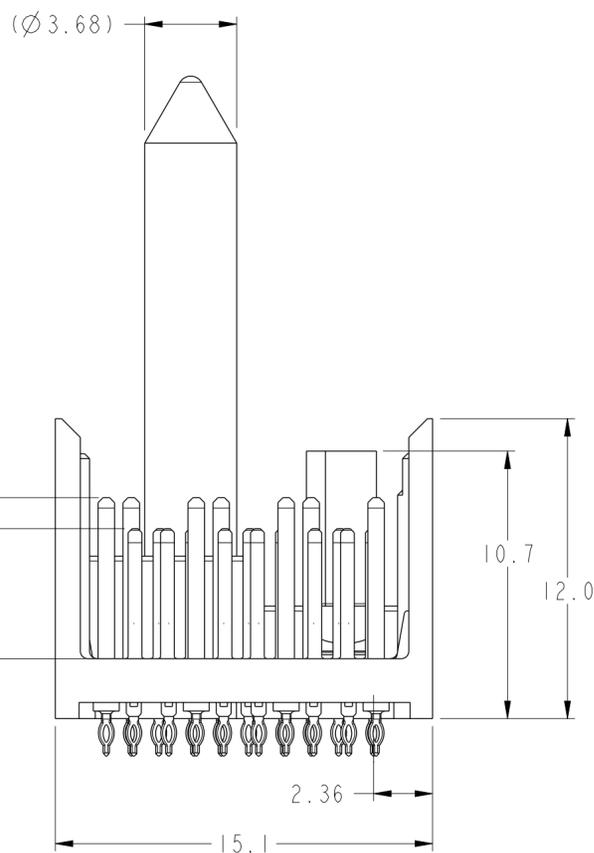
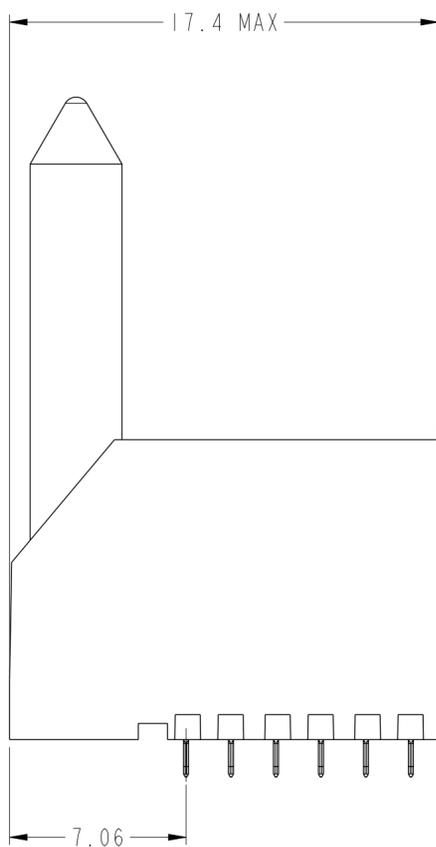
OPTIONAL KEY SEE SHEET 1
PART NUMBER TREE



SEE DETAIL A
ON SHEET 8 FOR
PINOUT DETAILS

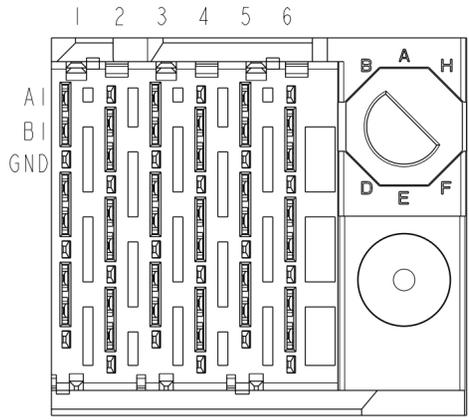
$\varnothing 2.55$ $\varnothing 2.35$ $\varnothing 0.15$ XI YI
SEE NOTE 11 & TABLE 1

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



(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	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	cat. no.	10119128	rev	B
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	angular	0° ±2°	www.fci.com	Product - Customer Drw	sheet 6 of 8				

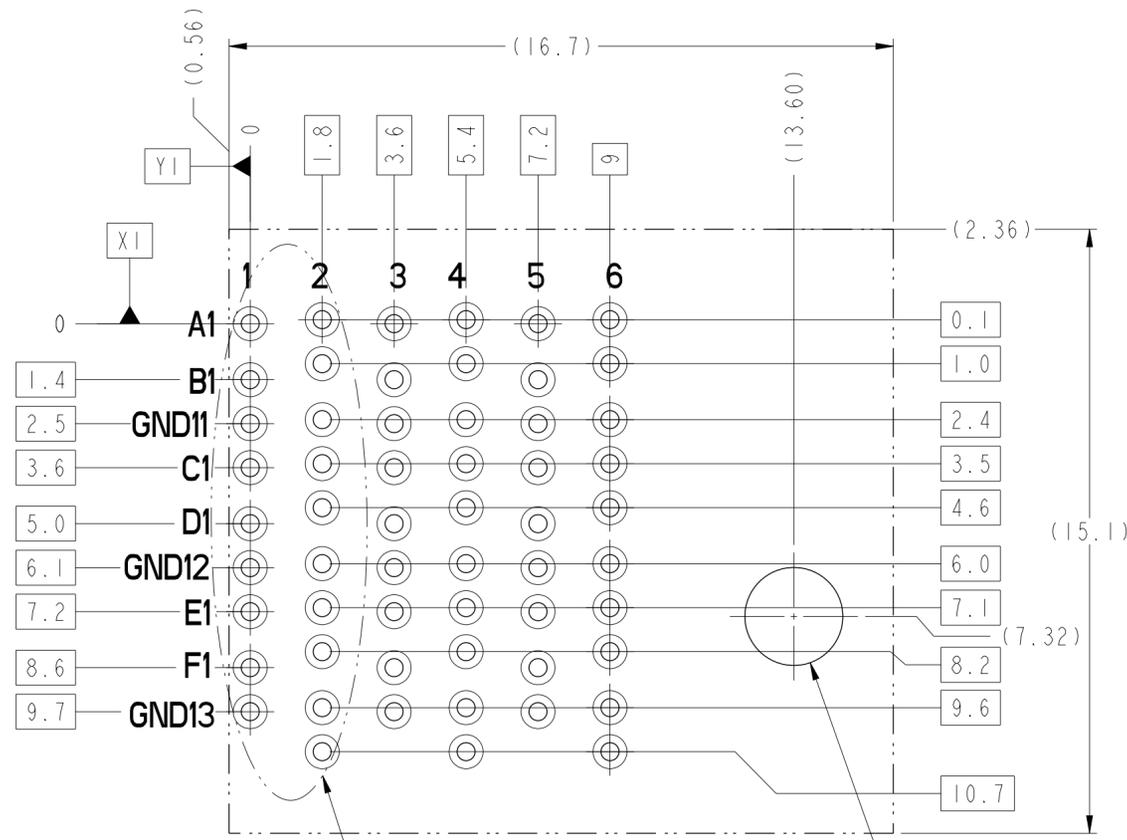
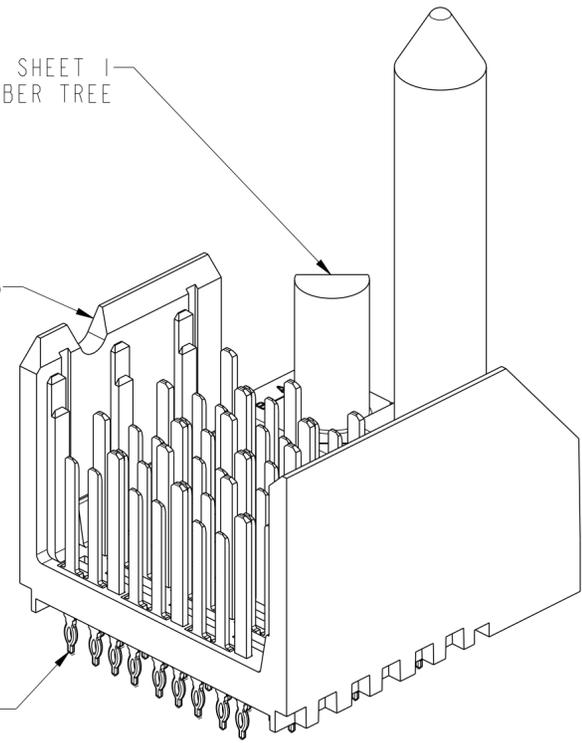


RIGHT POLARIZING / GUIDE MODULE

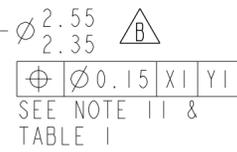
OPTIONAL KEY SEE SHEET 1
PART NUMBER TREE

SEE NOTE 5

PIN A1

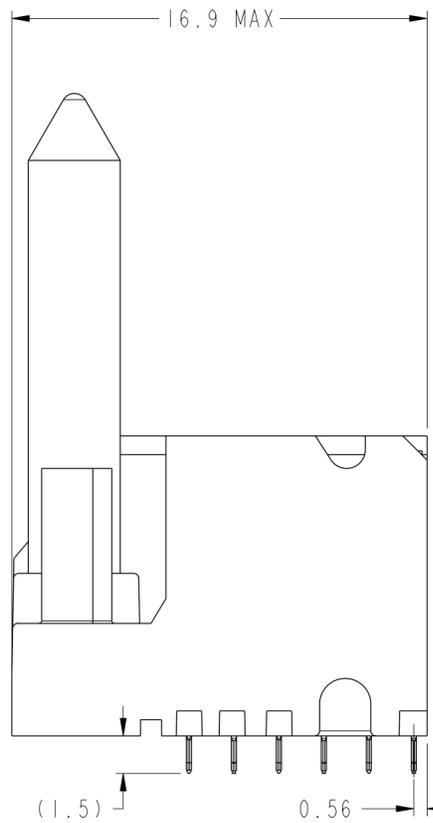


SEE DETAIL A
ON SHEET 8 FOR PINOUT DETAILS

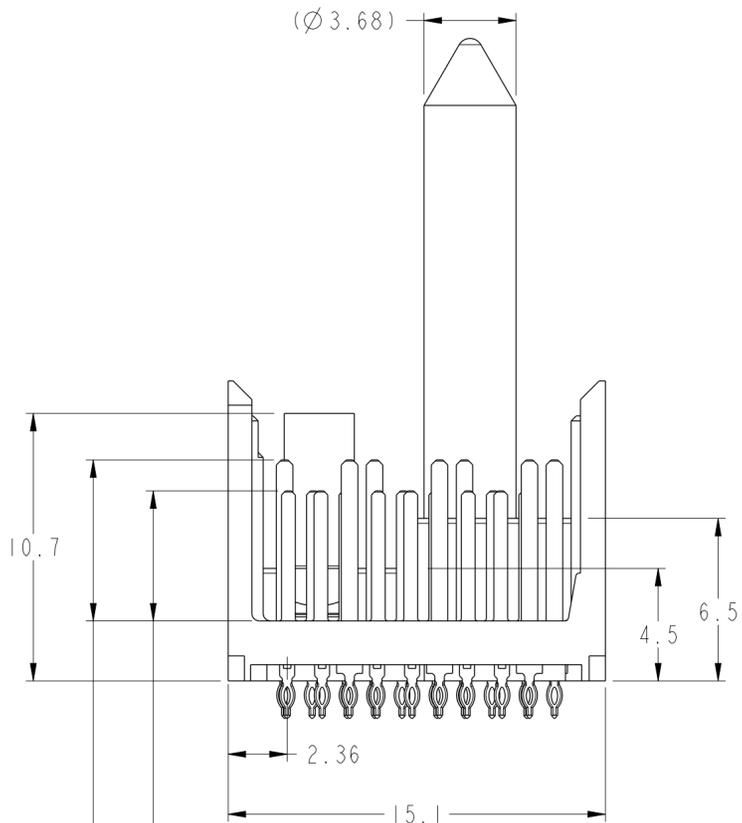


BP HOLE PATTERN COMPONENT SIDE

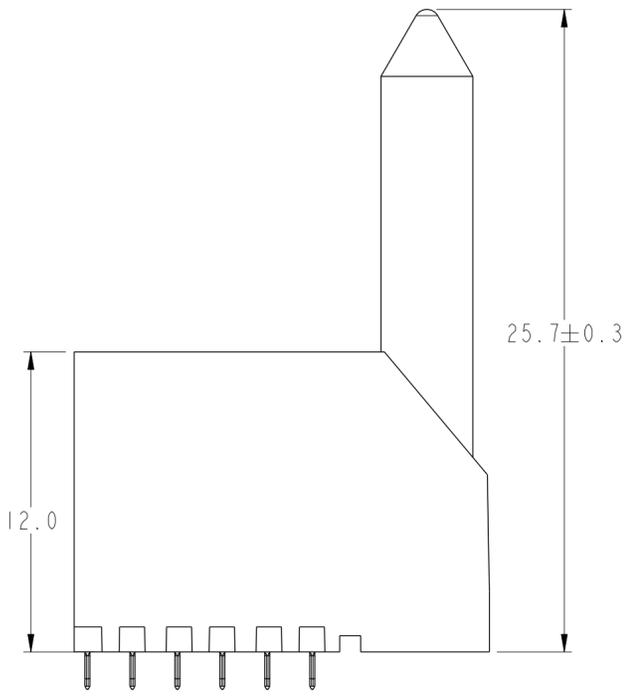
**RIGHT POLARIZING / GUIDE MODULE
BACKPLANE FOOTPRINT**



(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



25.7±0.3

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	cat. no.	-
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	angular	0° ±2°	www.fci.com	title	XCEDE HD VERTICAL HEADER 3 PAIR, 6 COLUMN STITCH HEADER	dwg no	10119128	rev	B
Product - Customer Drw sheet 7 of 8										

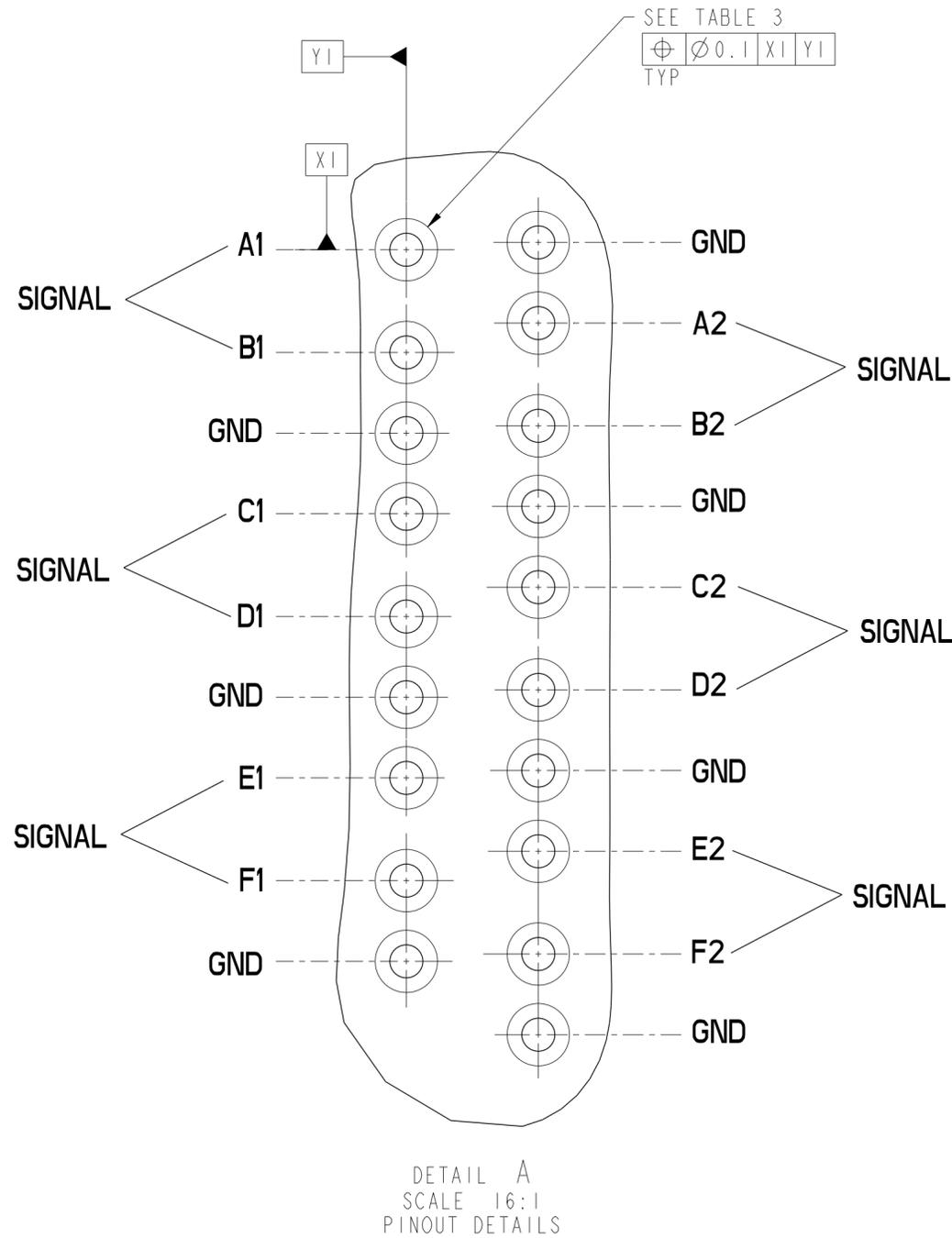


TABLE 3		
	COMPLIANT PIN DRILL Ø0.55[0.0217"]	COMPLIANT PIN DRILL Ø0.45[0.0117"]
PTH	Ø0.45±0.05	Ø0.36±0.05
DRILL	Ø0.55[0.0217"]	Ø0.45[0.0117"]
PAD	Ø0.85	Ø0.75

NOTES:

1. CONNECTOR MATERIALS
SHROUD : HIGH-TEMP POLYMER, COLOR : BLACK, UL94V-0
CONTACTS : HIGH PERFORMANCE 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 $\triangle B$ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE THAT HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.
- $\triangle B$ ⑪ OPTIONAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE-PIN SUPPORT. SEE TABLE 1 SHEET 1 FOR ADDITIONAL DETAILS.
- $\triangle B$ ⑫ SCREW IS OPTIONAL AND ENGAGES WITH BOTTOM OF GUIDE PIN FROM BENEATH THE PCB FOR ADDITIONAL GUIDE-PIN SUPPORT.

DETAIL A
SCALE 16:1
PINOUT DETAILS



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		← MM →	ecn no	ELX-S-14229-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr						
surface	ISO 1302	linear	0.X	±0.3	FCI		title	XCEDE HD VERTICAL HEADER	dwg no	10119128
			0.XX	±0.10	www.fci.com		3	PAIR, 6 COLUMN STITCH HEADER	rev	B
		angular	0°	±2°	cat. no.		-	Product - Customer Drw	sheet	8 of 8

Mouser Electronics

Authorized Distributor

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

[FCI / Amphenol:](#)

[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](#)
[10119128-S0C-20DLF](#) [10119128-M0C-40DLF](#) [10119128-S0C-50DLF](#) [10119128-B0C-10DLF](#) [10119128-E0C-80DLF](#)
[10119128-Q0C-40DLF](#) [10119128-H0C-50DLF](#) [10119128-W0C-50DLF](#) [10119128-S0C-70DLF](#) [10119128-W0C-](#)
[70DLF](#) [10119128-S0C-60DLF](#) [10119128-R0C-10DLF](#) [10119128-L0C-80DLF](#) [10119128-U0C-30DLF](#) [10119128-U0C-](#)
[40DLF](#) [10119128-L0C-10DLF](#) [10119128-Q0C-70DLF](#) [10119128-D0C-30DLF](#) [10119128-U0C-80DLF](#) [10119128-10C-](#)
[10DLF](#) [10119128-H0C-20DLF](#) [10119128-W0C-80DLF](#) [10119128-R0C-80DLF](#) [10119128-00C-50DLF](#) [10119128-](#)
[W0C-40DLF](#) [10119128-00C-60DLF](#) [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](#)