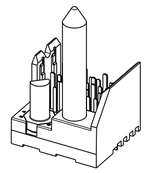
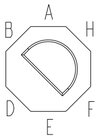
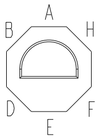
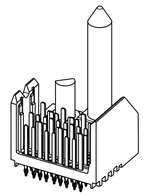
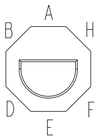
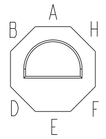
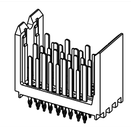
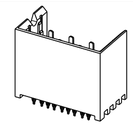
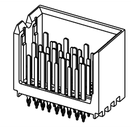
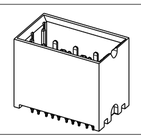
10119126 - X 0 J - X X X LF

4-COLUMN DIFFERENTIAL SIGNAL

LEAD-FREE DESIGNATION ONLY WITH APPLICABLE PLATING CODES

LETTER	PLATING (SEE NOTE 6)	
	APPLICATION	TYPE (REFERNCE)
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 GUIDEPIN										
RIGHT POLARIZING GUIDANCE MODULE (SEE SHEET 7)	Z	Y	P	Q	R	S	T	U	V	W	
	NO KEY NO GUIDEPIN										
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)	I (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

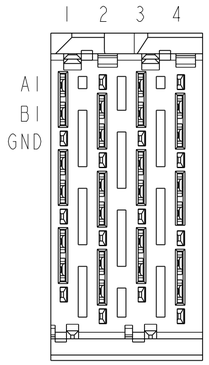
FOR CUSTOM-LOADED MODULES, SEE INDIVIDUAL CUSTOM DRAWINGS WITH THE DRAWING-NUMBER FORMAT OF 10119126-XYYYY, WHERE: "X" DENOTES MODULE TYPE PER CHART ON THIS SHEET "YYYY" IS A SEQUENTIAL NUMBER BEGINNING WITH "0001".

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"

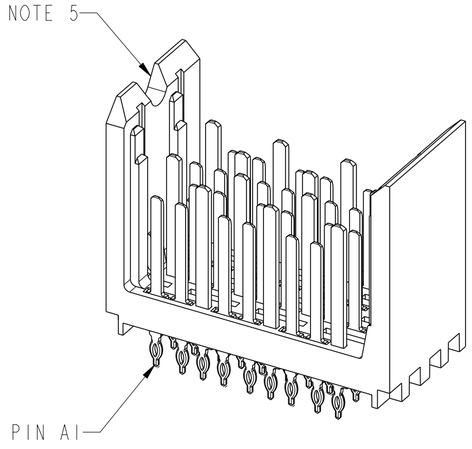
TABLE 2 (SEE NOTE 12)		
SCREW P/N	DESCRIPTION	BOARD THICKNESS
10091790-002LF	#2-56 X 0.375" LG. PHILIPS PANHEAD W/SQ CONICAL WASHER	1.60-5.00mm
10091790-003LF	#2-56 X 0.375" LG. PHILIPS PANHEAD W/SQ CONICAL WASHER	5.00-10.00mm

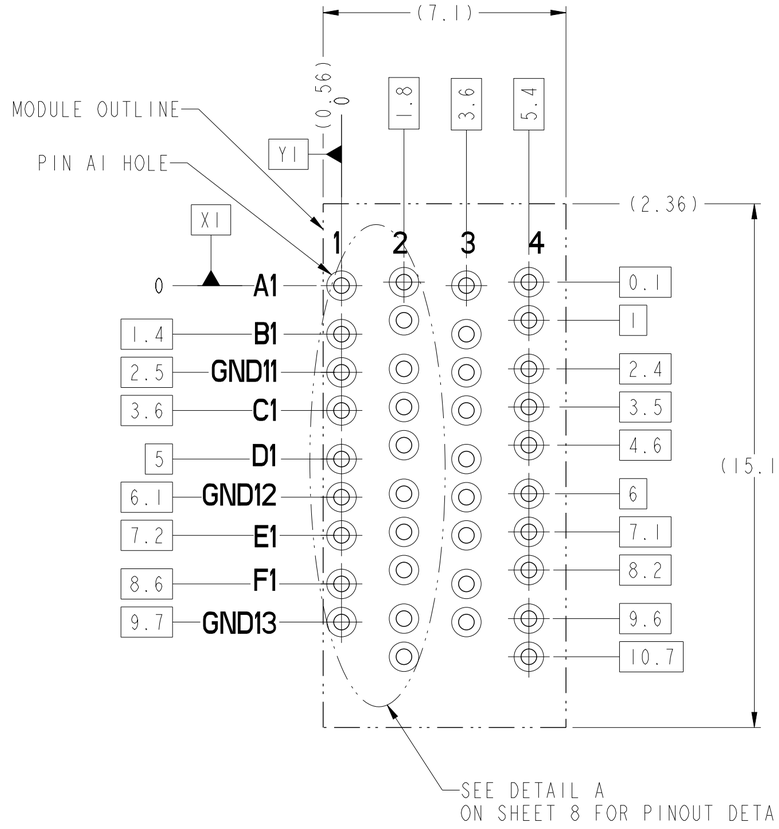
Copyright FCI.

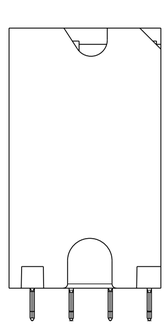
spec ref -		dr	Marty Glass	2012/02/10	projection	MM	size A2 / scale 5:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Sandar Soe	2013/03/20			ecn no ELX-S-14229-1
		chr	-	-			
		appr	Chen-Hong Tan	2013/04/09	product family XCEDE HD		rel level Released
surface - ISO 1302	linear 0.X ±0.3 / 0.XX ±0.10 / 0.XXX ±0.05 / angular 0° ±2°	FCI	title: XCEDE HD VERTICAL HEADER, 3 PAIR, 4 COLUMN STITCH HEADER		dwg no 10119126		rev B
		www.fci.com	cat. no. -		Product - Customer Drw		sheet 1 of 8



OPEN WALL MODULE







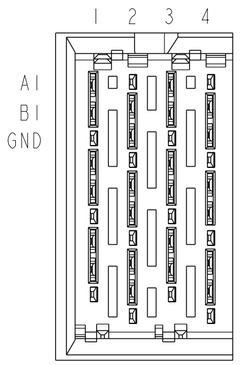
BP HOLE PATTERN COMPONENT SIDE

OPEN WALL MODULE BACKPLANE FOOTPRINT

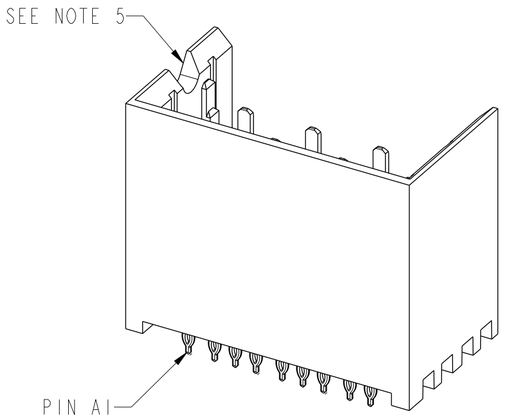
Copyright FCI.

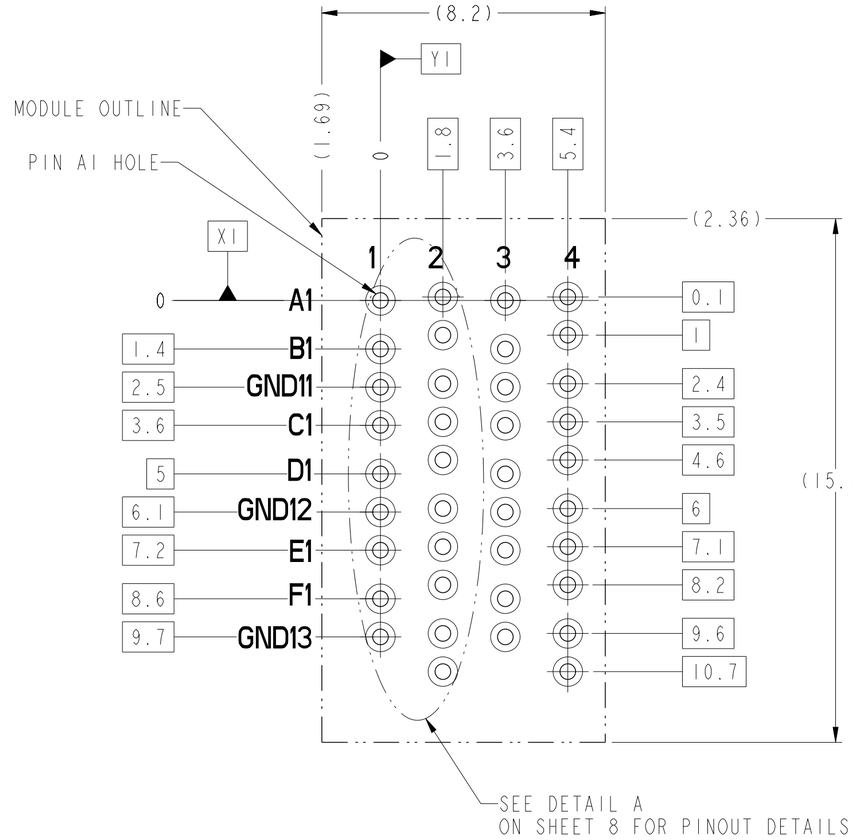
spec ref	-		dr	Marty Glass	2012/02/10	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sandar Soe	2013/03/20		
			chr	-	-		
			appr	Chen-Hong Tan	2013/04/09	product family	XCEDE HD
surface - ISO 1302	linear	0.X ±0.3	title	XCEDE HD VERTICAL HEADER		dwg no	10119126
		0.XX ±0.10		3 PAIR, 4 COLUMN STITCH HEADER			
		0.XXX ±0.05	www.fci.com	cat. no. -	Product - Customer Drw		
	angular	0° ±2°					

size	A2	scale	3:1	sheet 2 of 8			
ecn no	ELX-S-14229-1	rel level	Released	rev	B		



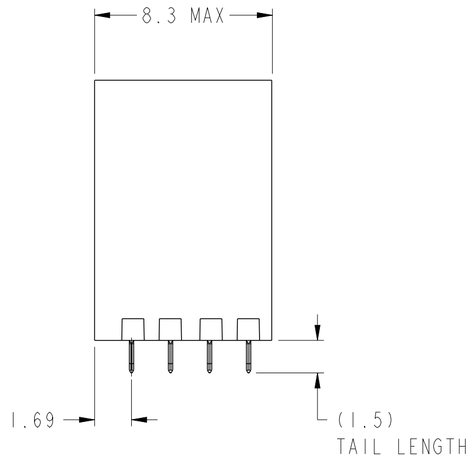
LEFT WALL MODULE

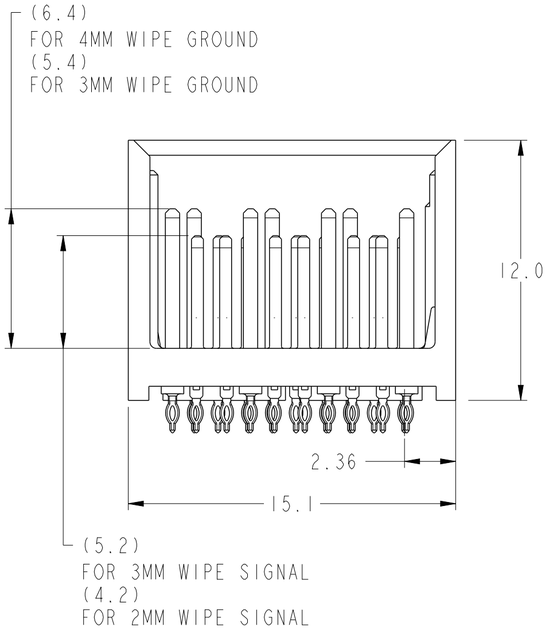


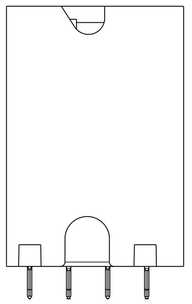


BP HOLE PATTERN COMPONENT SIDE

LEFT WALL MODULE BACKPLANE FOOTPRINT



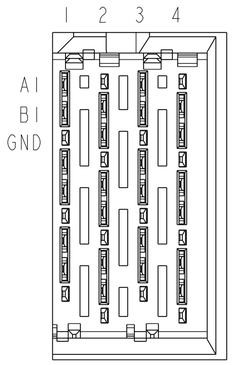


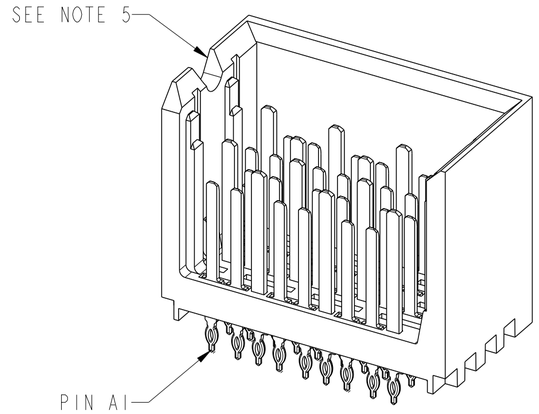


Copyright FCI.

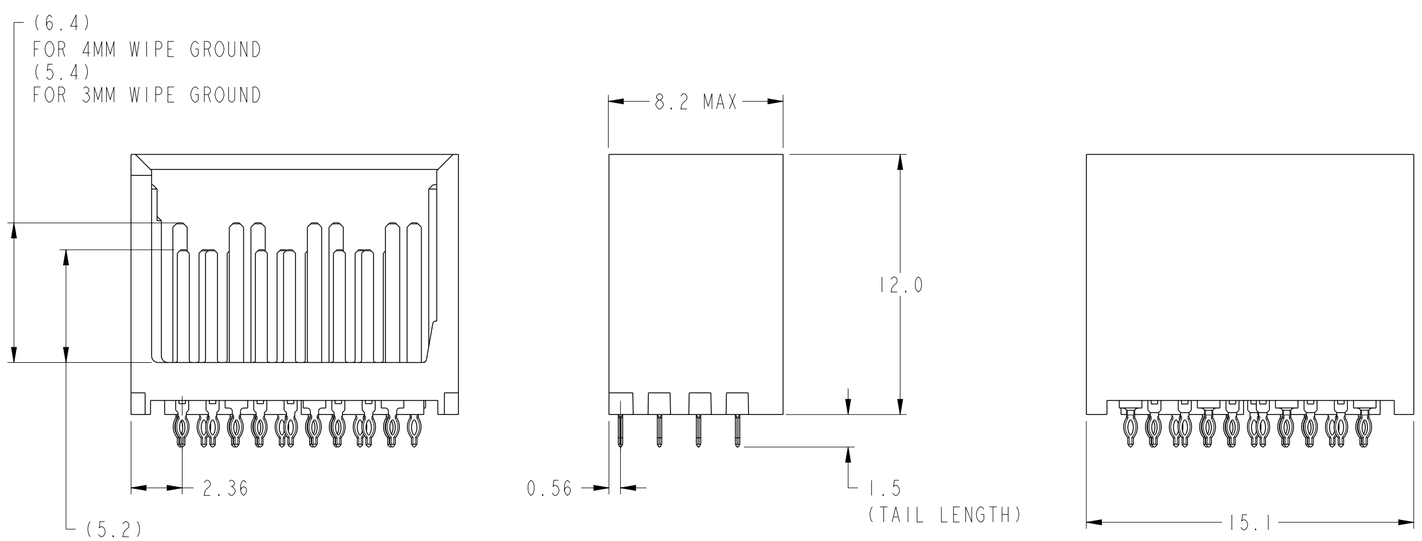
spec ref	-		dr	Marty Glass	2012/02/10	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sandar Soe	2013/03/20		
			chr	-	-		
			appr	Chen-Hong Tan	2013/04/09		

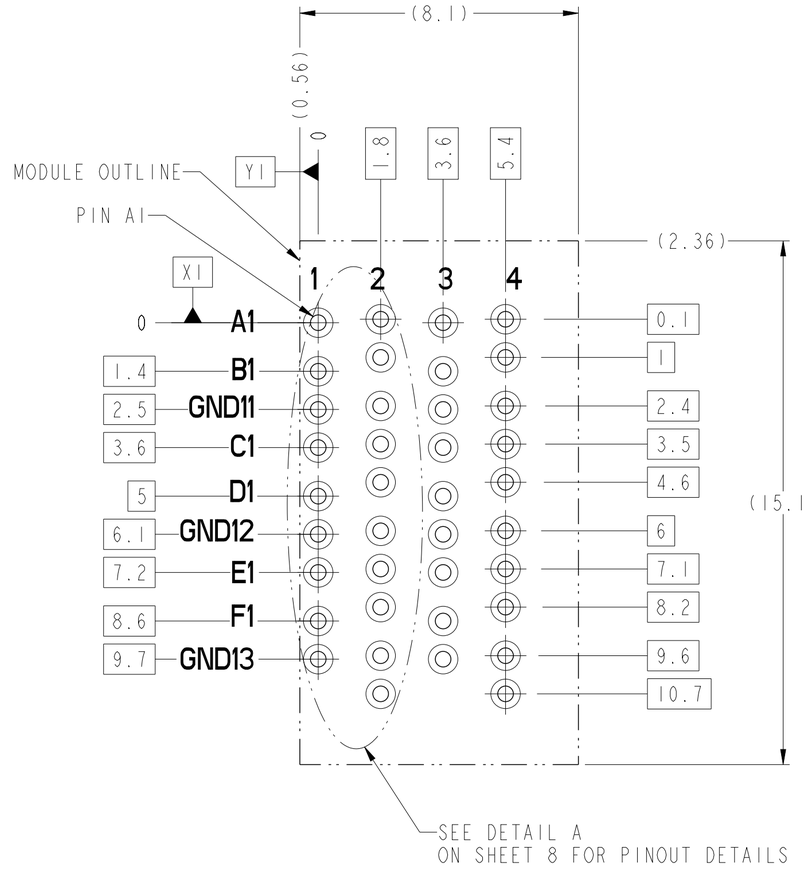
size A2	scale 3:1						
ecn no ELX-S-14229-1							
product family XCEDE HD	rel level Released						
surface ISO 1302	linear	0.X	±0.3	FCI www.fci.com	title XCEDE HD VERTICAL HEADER 3 PAIR, 4 COLUMN STITCH HEADER	dwg no 10119126	rev B
		0.XX	±0.10				
		0.XXX	±0.05				
	angular	0°	±2°		cat. no. -	Product - Customer Drw	sheet 3 of 8





RIGHT WALL MODULE



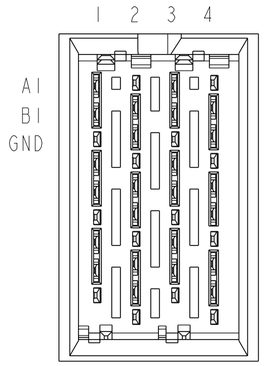


BP HOLE PATTERN COMPONENT SIDE

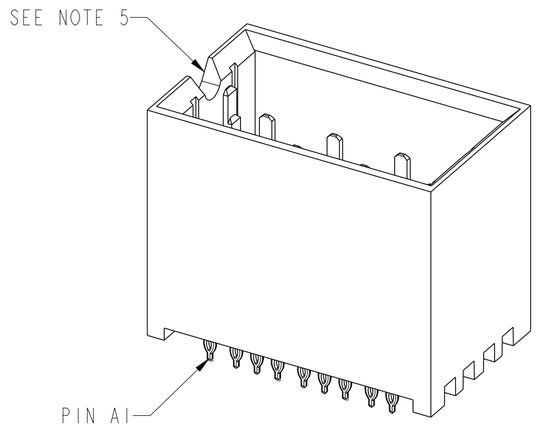
RIGHT WALL MODULE BACKPLANE FOOTPRINT

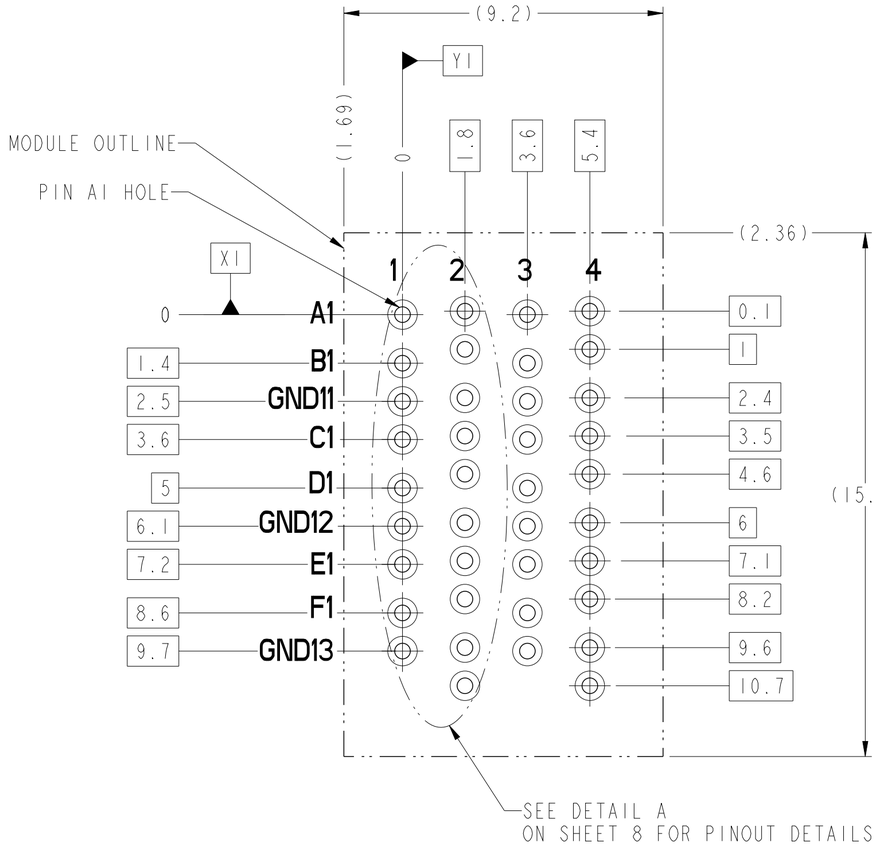
Copyright FCI.

spec ref	-			dr	Marty Glass	2012/02/10	projection	MM	size A2	scale 3:1
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	XCEDE HD VERTICAL HEADER	dwg no	10119126	rev	B
		0.XX	±0.10			3 PAIR, 4 COLUMN STITCH HEADER				
		0.XXX	±0.05							
	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw		sheet 4 of 8	



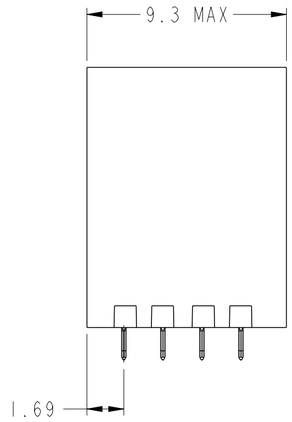
FOUR WALL MODULE

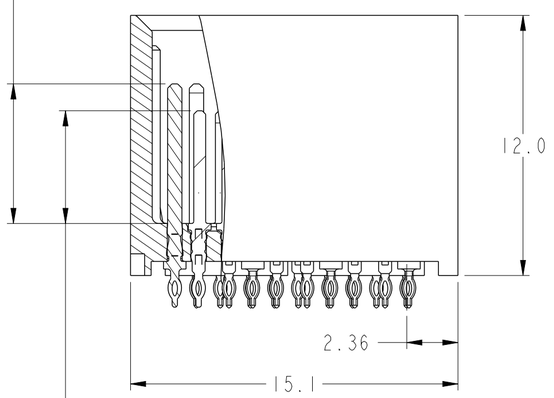


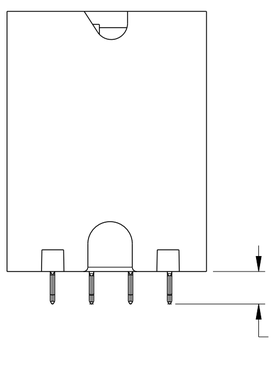


BP HOLE PATTERN COMPONENT SIDE

FOUR WALL MODULE BACKPLANE FOOTPRINT







spec ref	-		dr	Marty Glass	2012/02/10	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	XCEDE HD VERTICAL HEADER	dwg no	10119126
		0.XX ±0.10			3 PAIR, 4 COLUMN STITCH HEADER		
		0.XXX ±0.05					
	angular	0° ±2°	www.fci.com	cat. no.	-	Product - Customer Drw	

size	scale	rev	ecn no	rel level	sheet
A2	3:1	B	ELX-S-14229-1	Released	5 of 8

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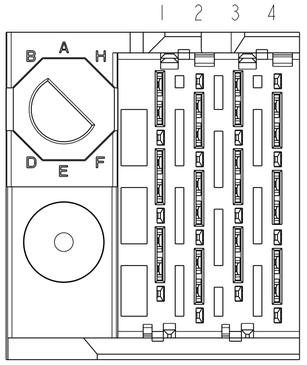
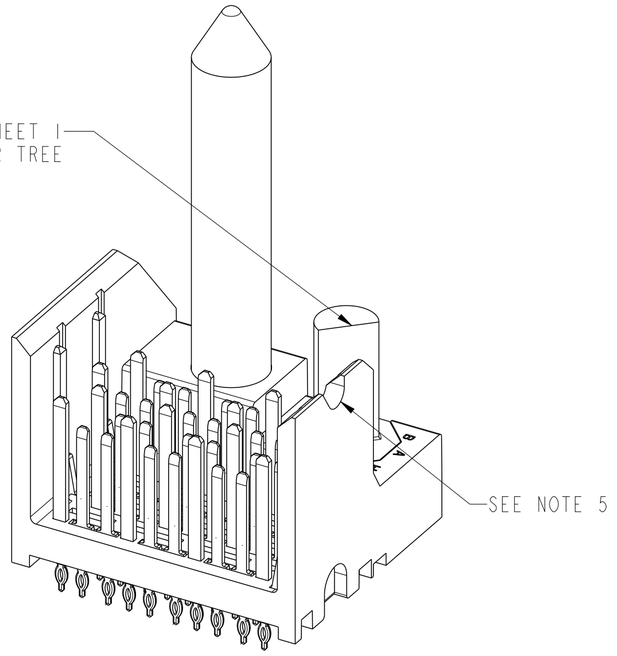
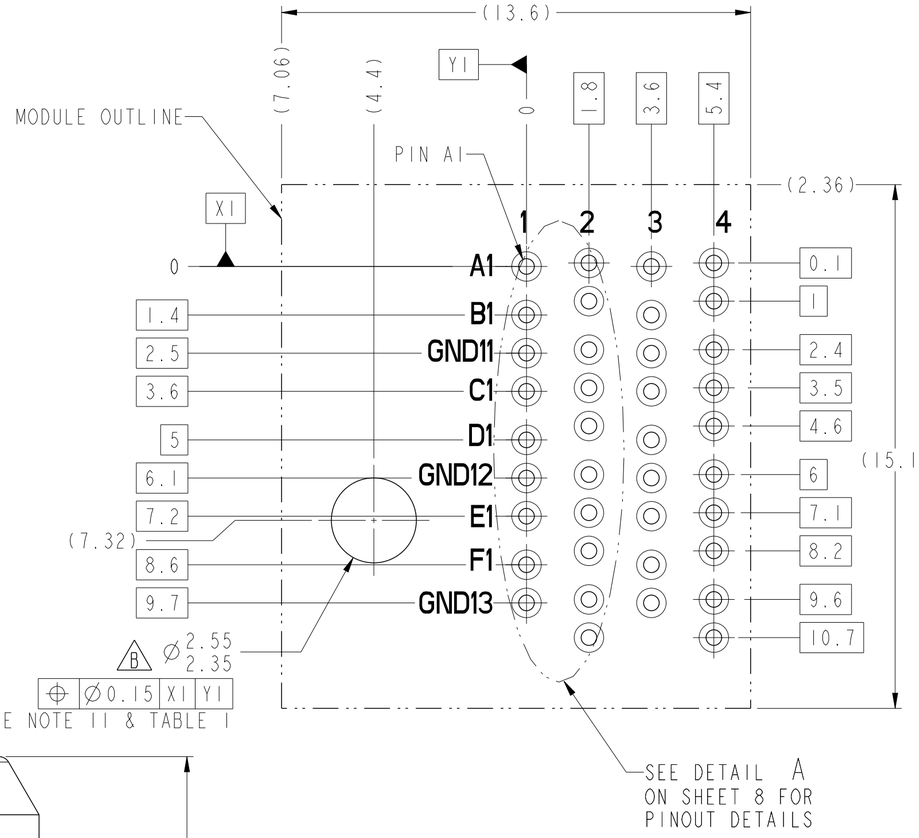


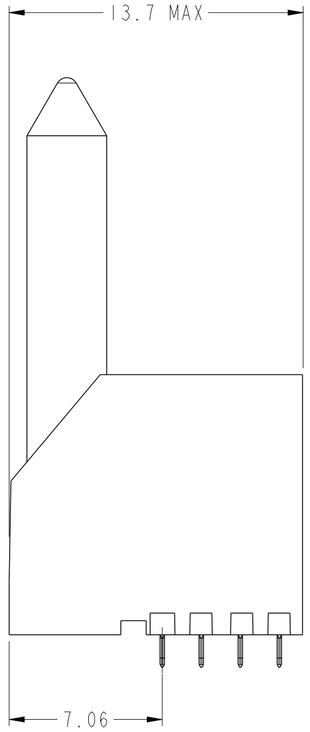
LEFT POLARIZING / GUIDE MODULE

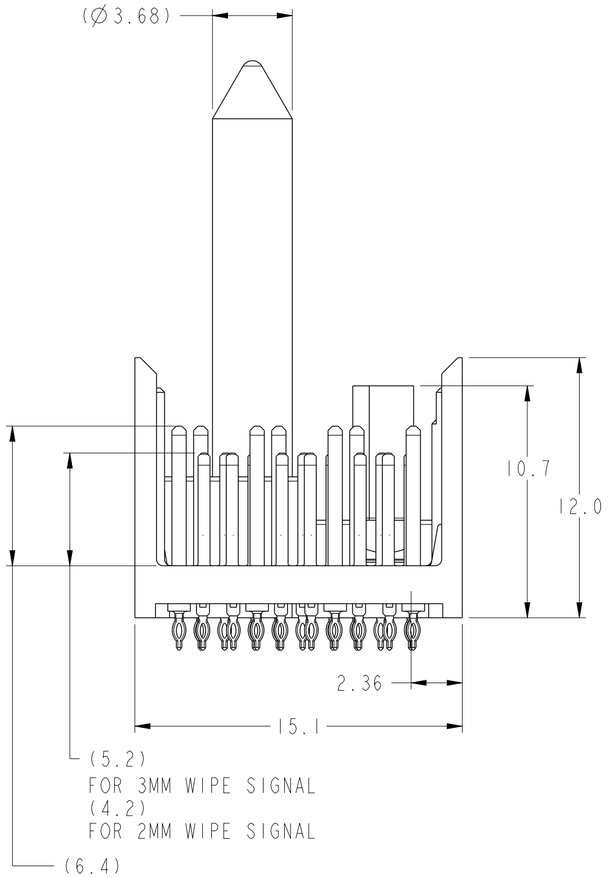


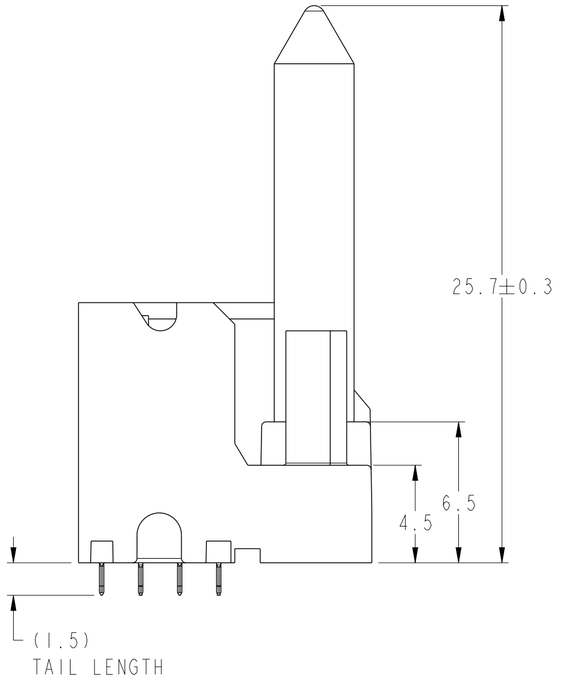


BP HOLE PATTERN COMPONENT SIDE

LEFT POLARIZING / GUIDE MODULE BACKPLANE FOOTPRINT







spec ref	-		dr	Marty Glass	2012/02/10	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 www.fci.com	title	XCEDE HD VERTICAL HEADER	dwg no	10119126
		0.XX ±0.10			3 PAIR, 4 COLUMN STITCH HEADER		
		0.XXX ±0.05					
	angular	0° ±2°		cat. no.	-	Product - Customer Drw	

size	scale	rev	sheet
A2	5:1	B	6 of 8

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

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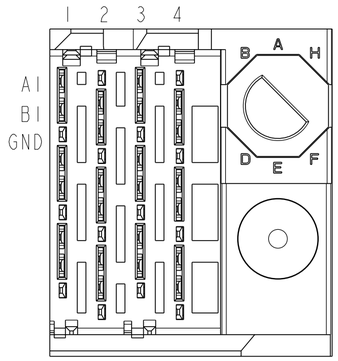
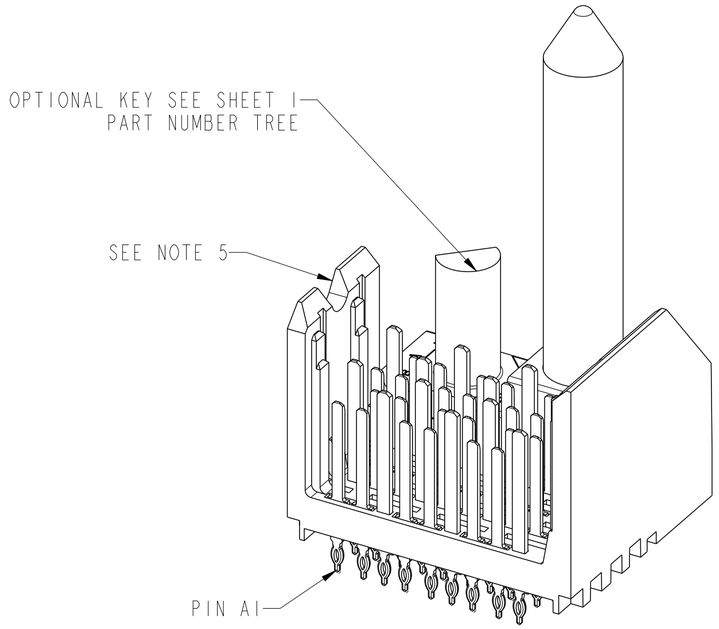
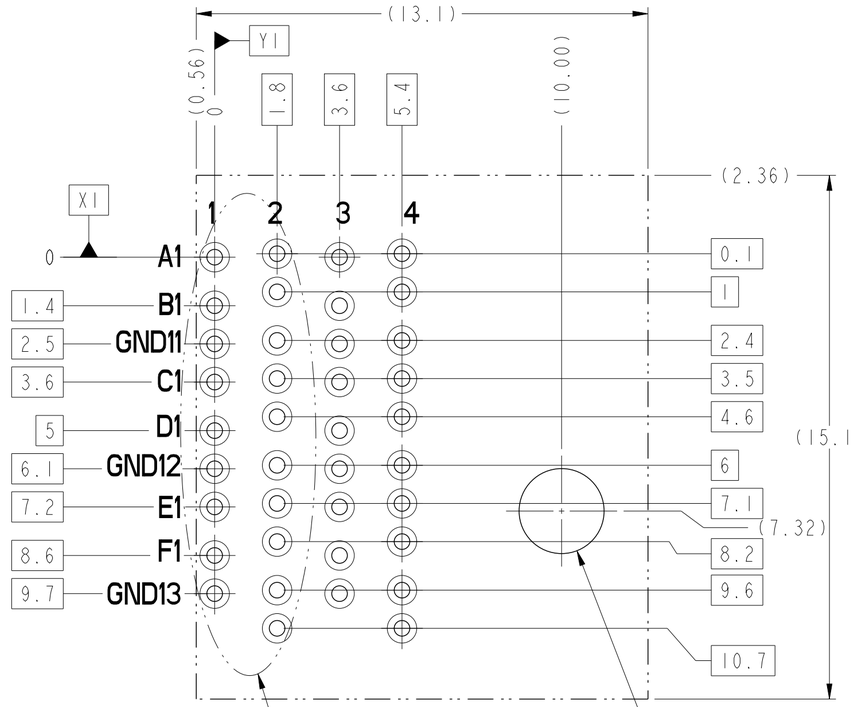


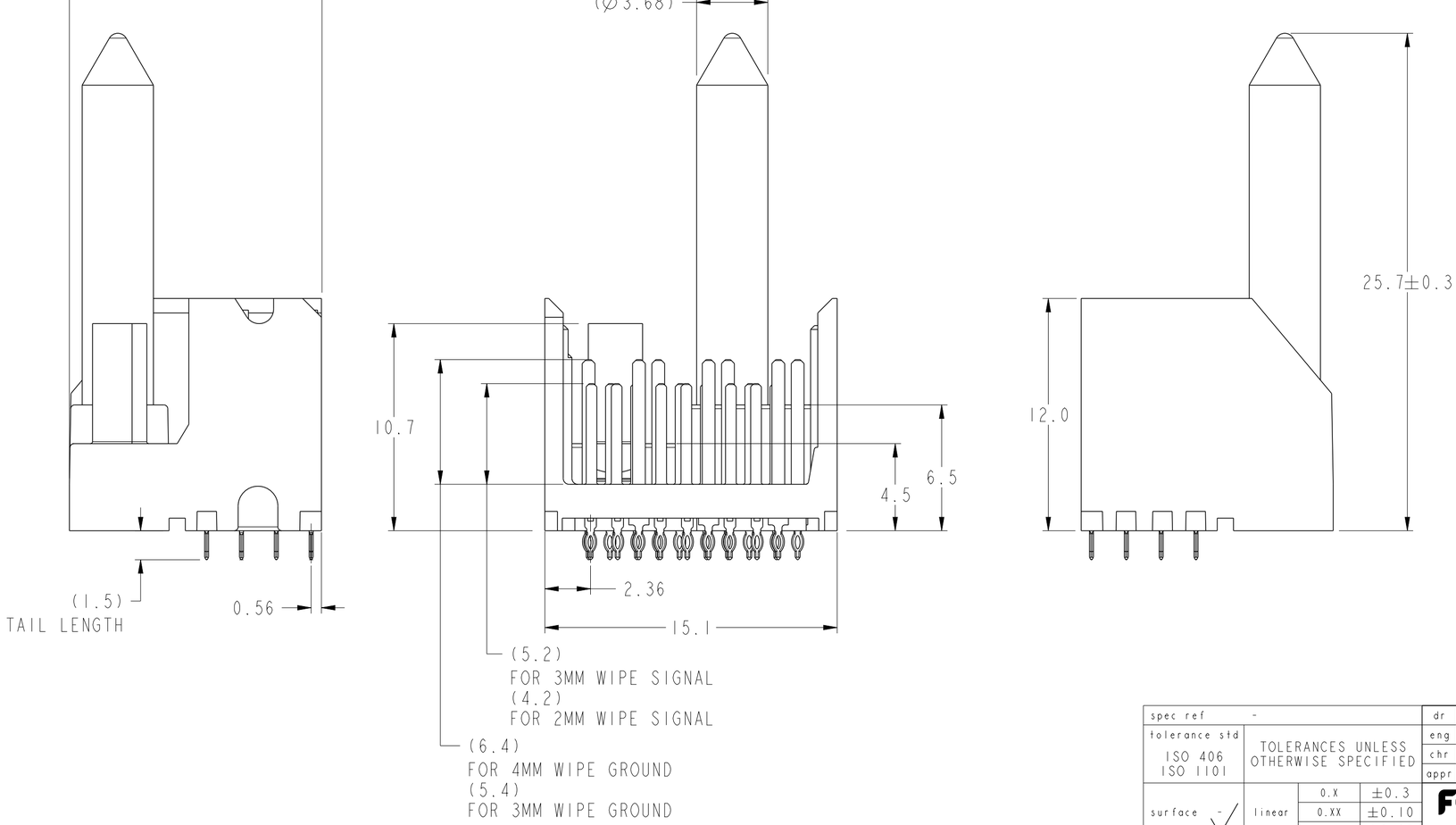
RIGHT POLARIZING / GUIDE MODULE





BP HOLE PATTERN COMPONENT SIDE

RIGHT POLARIZING / GUIDE MODULE BACKPLANE FOOTPRINT



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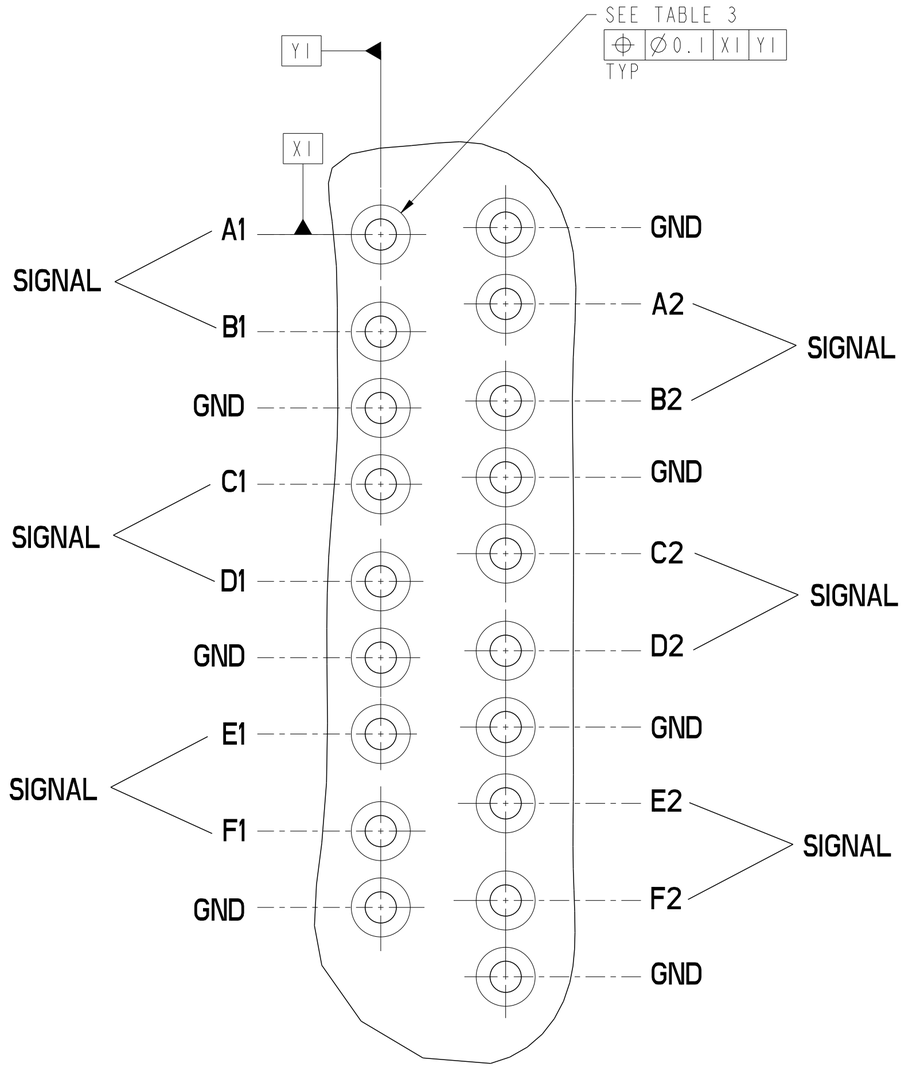
spec ref	-		dr	Marty Glass	2012/02/10	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sandar Soe	2013/03/20		
			chr	-	-		
			appr	Chen-Hong Tan	2013/04/09		

size	A2	scale	5:1				
ecn no	ELX-S-14229-1						
product family	XCEDE HD	rel level	Released				
surface - ISO 1302	linear	0.X	±0.3	FCI	title	XCEDE HD VERTICAL HEADER	dwg no 10119126 rev B
		0.XX	±0.10			3 PAIR, 4 COLUMN STITCH HEADER	
		0.XXX	±0.05				
	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw sheet 7 of 8



DETAIL A
SCALE 16:1
PINOUT DETAILS

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 PREFORMANCE COPPER ALLOY

2. PRODUCT SPECIFICATION : GS-12-0936

3. APPLICATION SPECIFICATION : GS-20-0348

4. PRODUCT MARKING :
   PART NUMBER (10119126-X0J-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.

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spec ref	-	dr	Marty Glass	2012/02/10	projection	MM	size A2 / scale 3:1
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 -		rel level Released
surface - ISO 1302	linear 0.X ±0.3 / 0.XX ±0.10 / 0.XXX ±0.05 / angular 0° ±2°	FCI www.fci.com	title: XCEDE HD VERTICAL HEADER, 3 PAIR, 4 COLUMN STITCH HEADER		cat. no. -	Product - Customer Drw	dwg no 10119126 / rev B / sheet 8 of 8

Mouser Electronics

Authorized Distributor

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

FCI / Amphenol:

10119126-A0J-30DLF 10119126-W0J-70DLF 10119126-Y0J-50DLF 10119126-U0J-20DLF 10119126-00J-50DLF
10119126-V0J-50DLF 10119126-C0J-20DLF 10119126-M0J-20DLF 10119126-T0J-50DLF 10119126-R0J-40DLF
10119126-R0J-60DLF 10119126-J0J-80DLF 10119126-L0J-50DLF 10119126-A0J-80DLF 10119126-J0J-10DLF
10119126-10J-70DLF 10119126-P0J-80DLF 10119126-G0J-60DLF 10119126-E0J-70DLF 10119126-F0J-50DLF
10119126-C0J-60DLF 10119126-P0J-10DLF 10119126-10J-50DLF 10119126-P0J-30DLF 10119126-U0J-50DLF
10119126-H0J-10DLF 10119126-Q0J-50DLF 10119126-F0J-70DLF 10119126-U0J-60DLF 10119126-10J-10DLF
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