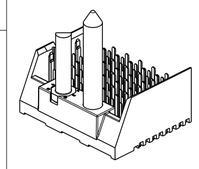
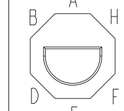
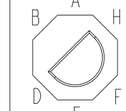
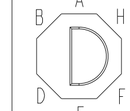
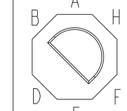
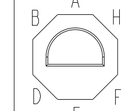
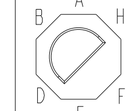
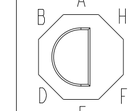
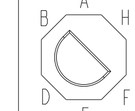
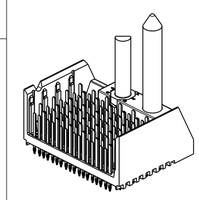
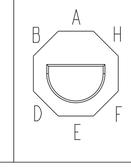
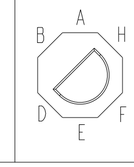
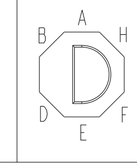
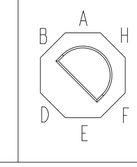
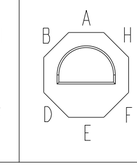
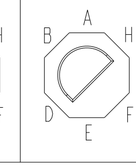
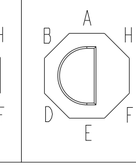
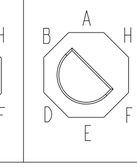
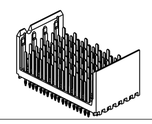
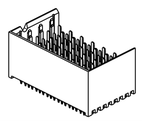
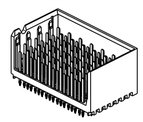
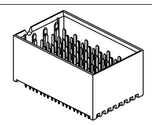
10120132 - X 0 E - X X X LF

8-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)										

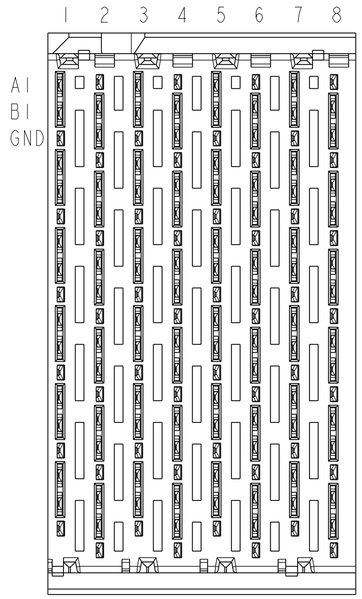
NUMBER	CONTACT MATING WIPE LENGTH		COMPLIANT TAIL TYPE (SEE NOTE 9)
	SIGNAL	GROUND	
1	2 MM	4 MM	0.55 (0.0217" DRILL)
2	3 MM	4 MM	0.55 (0.0217" DRILL)
3	2 MM	4 MM	0.45 MICRO (0.0177" DRILL)
4	3 MM	4 MM	0.45 MICRO (0.0177" DRILL)
5	2 MM	3 MM	0.55 (0.0217" DRILL)
6	3 MM	3 MM	0.55 (0.0217" DRILL)
7	2 MM	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 10120132-XYYYY, WHERE: "X" DENOTES MODULE TYPE PER CHART ON THIS SHEET "YYYY" IS A SEQUENTIAL NUMBER BEGINNING WITH "0001".

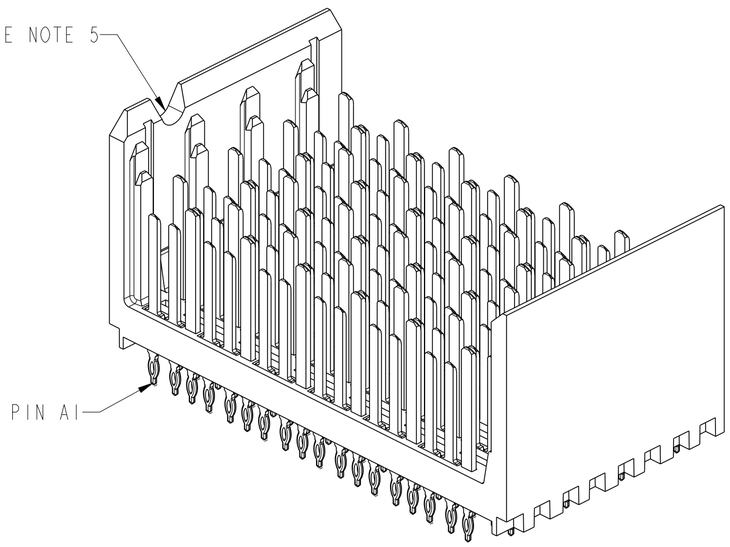
TABLE 1 (SEE NOTE 11)		
	UNGROUNDED	GROUNDED
FHS	Ø2.35-Ø2.55	Ø2.35-Ø2.55
PAD	N/A	Ø5.50
PLATED	NO	YES
DRILL(mm)	2.44mm	2.58mm
DRILL(in)	0.096"	0.1015"

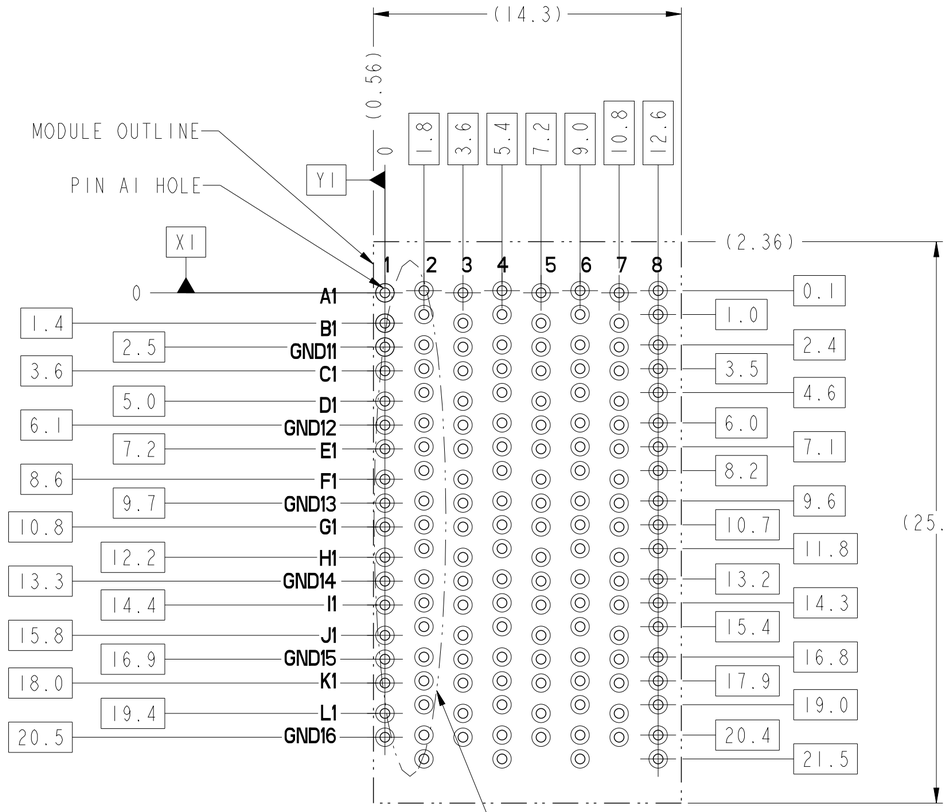
TABLE 2 (SEE NOTE 12)		
SCREW P/N	DESCRIPTION	BOARD THICKNESS
10091790-002LF	#2-56 X 0.375" LG. PHILIPS PANHEAD W/SQ CONICAL WASHER	1.60-5.00mm
10091790-003LF	#2-56 X 0.375" LG. PHILIPS PANHEAD W/SQ CONICAL WASHER	5.00-10.00mm

spec ref -		dr	Yong-Keat Lim	2012/02/23	projection	MM	size A2 / scale 2:1
tolerance std - ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Sandar Soe	2016/03/08			ecn no ELX-S-17624-1
		chr	-	-			
		appr	Chen-Hong Tan	2016/03/17	product family XCEDE HD		rel level Released
surface ASME Y14.5	linear 0.X ±0.3 / 0.XX ±0.10 / 0.XXX ±0.05	Amphenol FCi	title: VERTICAL HEADER ASSEMBLY, XCEDE HD 6 PAIR, 8 COLUMN		dwg no 10120132		rev C
	angular 0° ±2°	www.fci.com	cat. no. -		Product - Customer Drw		sheet 1 of 8



OPEN WALL MODULE

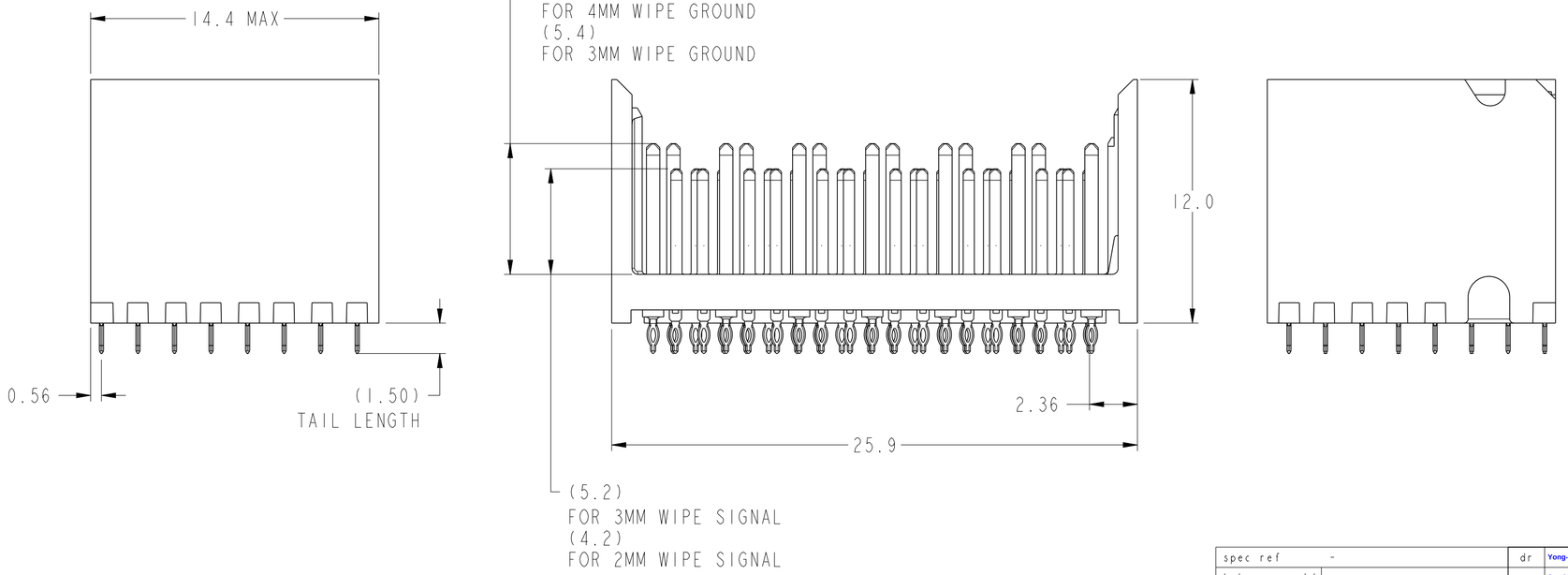




SEE DETAIL A
ON SHEET 8 FOR PINOUT DETAILS

BP HOLE PATTERN COMPONENT SIDE

OPEN WALL MODULE BACKPLANE FOOTPRINT

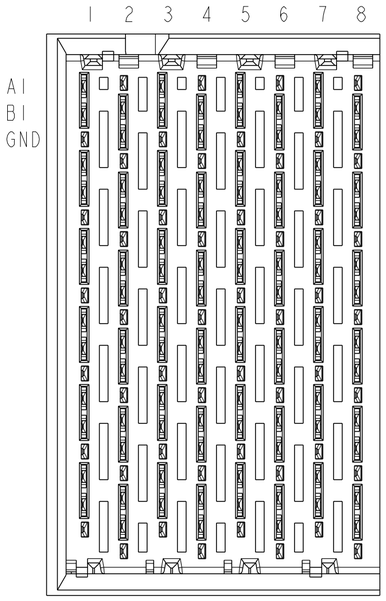


spec ref -			dr	Yong-Keat Lim	2012/02/23	projection	MM
tolerance std - ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sandar Soe	2016/03/08		
			chr	-	-		
			appr	Chen-Hong Tan	2016/03/17	product family	XCEDE HD
surface ASME Y14.5	linear	0.X ±0.3	Amphenol FCi	title	VERTICAL HEADER ASSEMBLY	dwg no	10120132
		0.XX ±0.10			XCEDE HD 6 PAIR, 8 COLUMN		
		0.XXX ±0.05	www.fci.com	cat. no.	-	Product - Customer Drw	
	angular	0° ±2°					

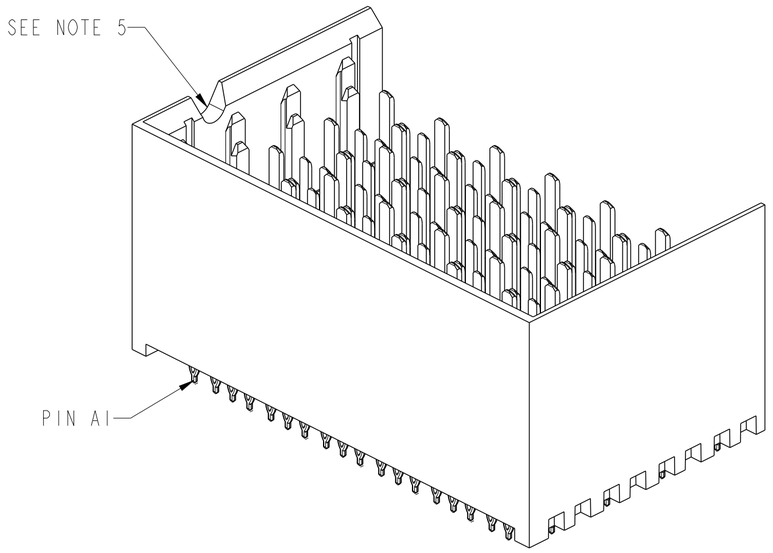
size	scale	rev
A2	5:1	C

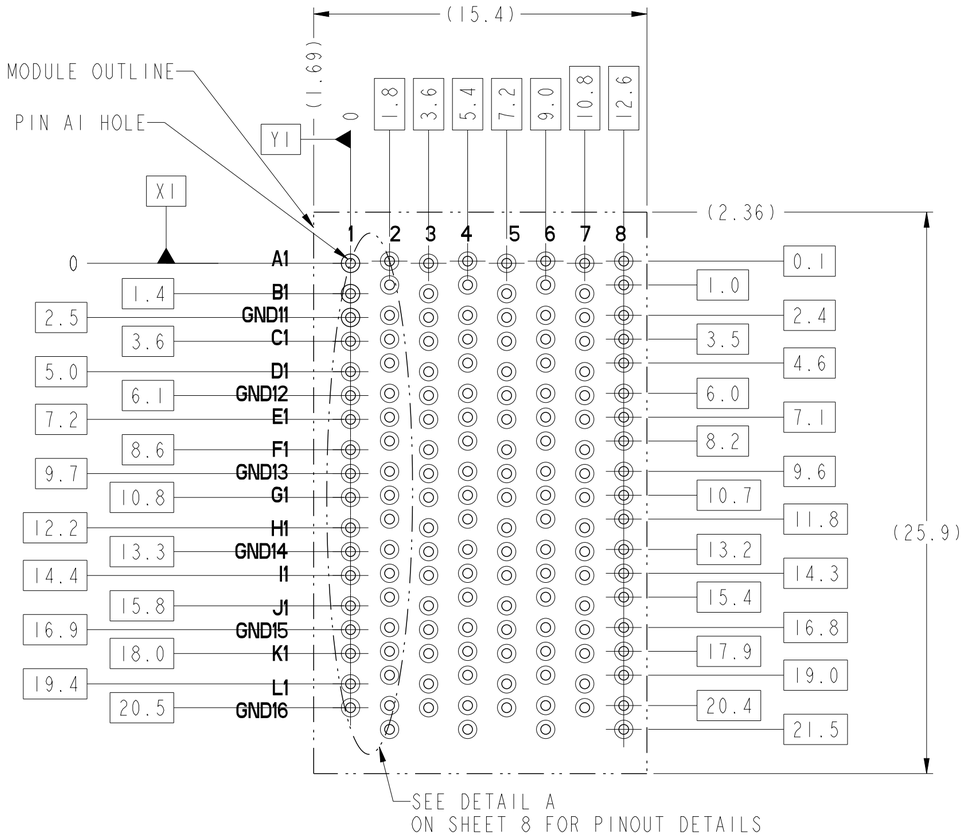
ecn no ELX-S-17624-1
rel level Released
sheet 2 of 8

Creo File - REV:E - 2016-02-12



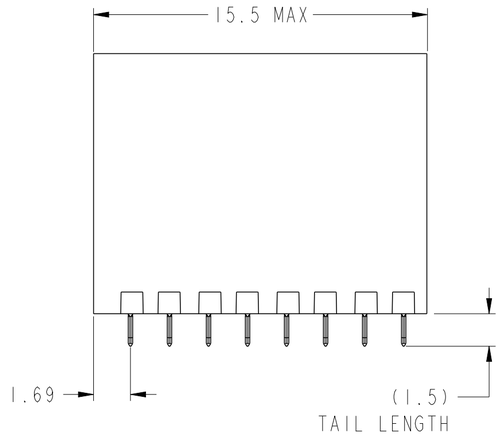
LEFT WALL MODULE

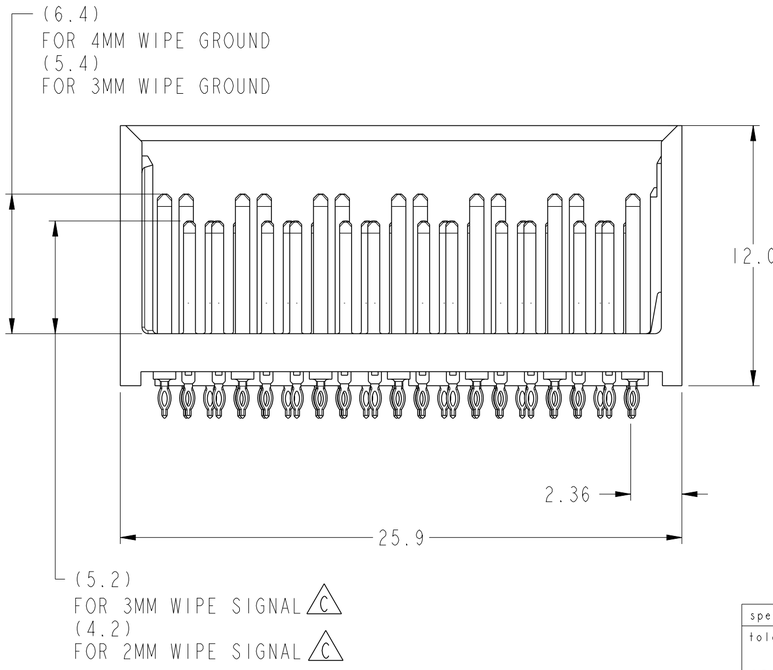


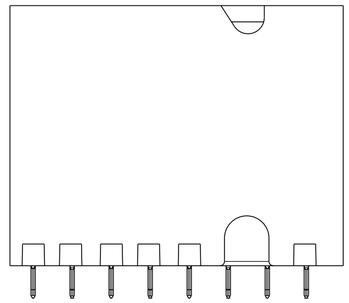


BP HOLE PATTERN COMPONENT SIDE

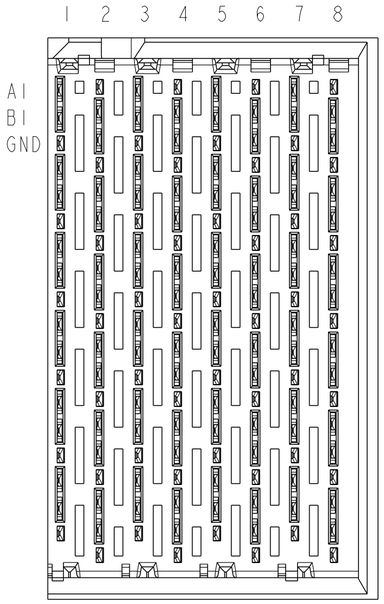
LEFT WALL MODULE BACKPLANE FOOTPRINT



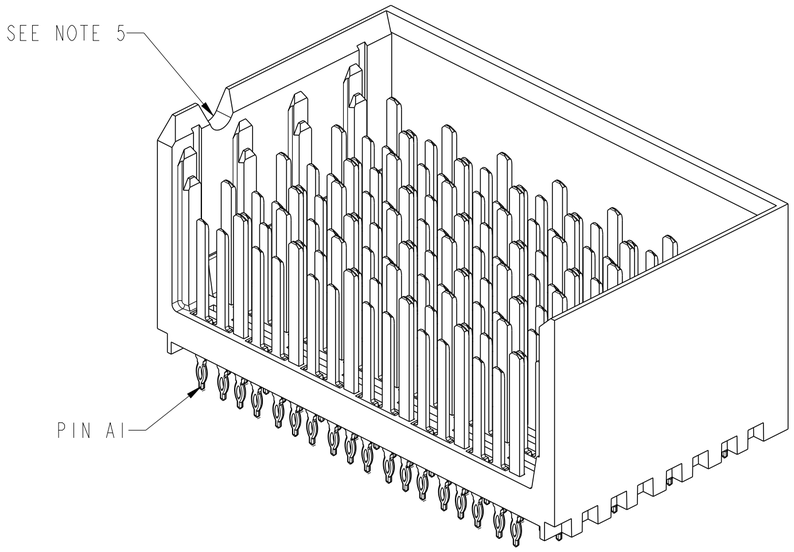


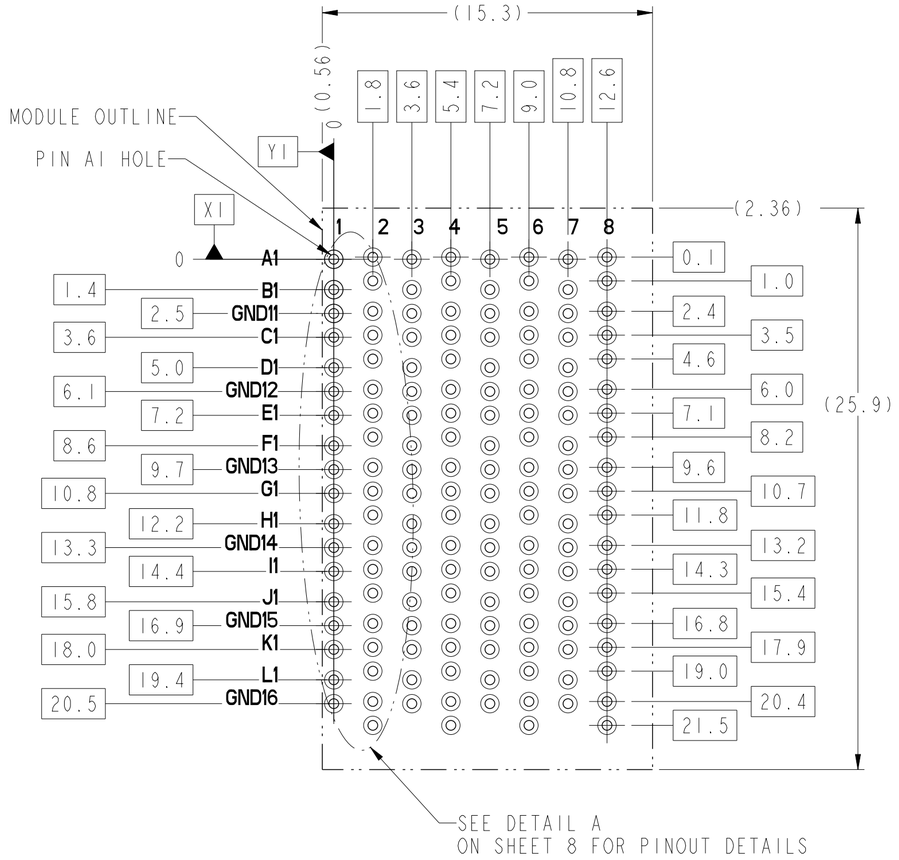


spec ref -			dr	Yong-Keat Lim	2012/02/23	projection	MM	size A2 / scale 5:1
tolerance std - ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sandar Soe	2016/03/08			ecn no ELX-S-17624-1
			chr	-	-			
			appr	Chen-Hong Tan	2016/03/17	product family XCEDE HD		rel level Released
surface ASME Y14.5	linear	0.X ±0.3	Amphenol FCi	title: VERTICAL HEADER ASSEMBLY		dwg no 10120132		rev C
		0.XX ±0.10		XCEDE HD 6 PAIR, 8 COLUMN				
		0.XXX ±0.05	www.fci.com	cat. no. -		Product - Customer Drw		sheet 3 of 8
	angular	0° ±2°						



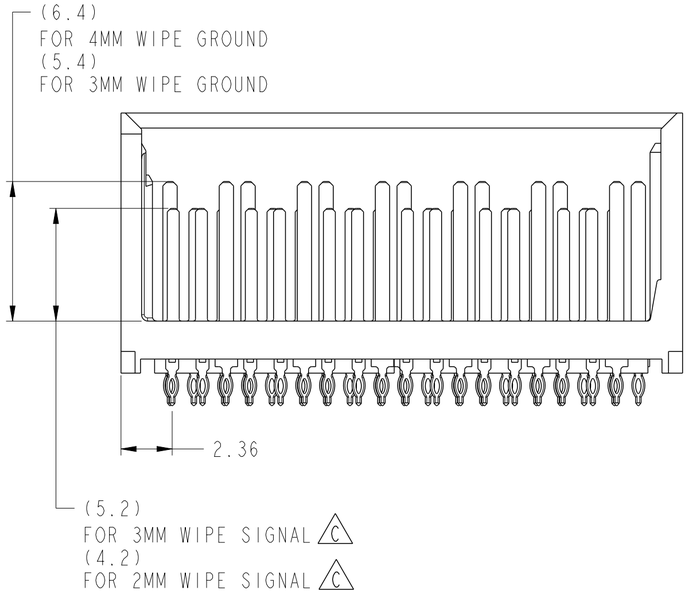
RIGHT WALL MODULE

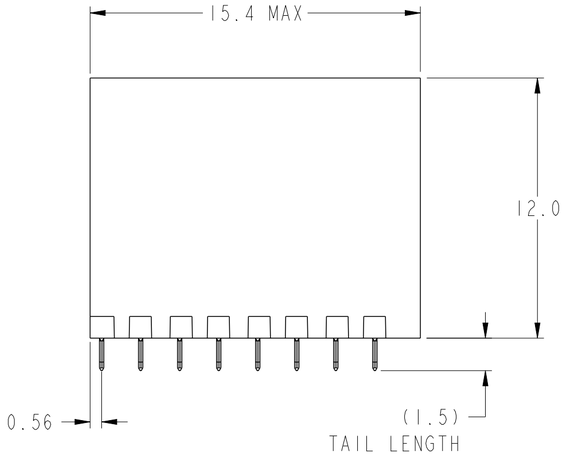


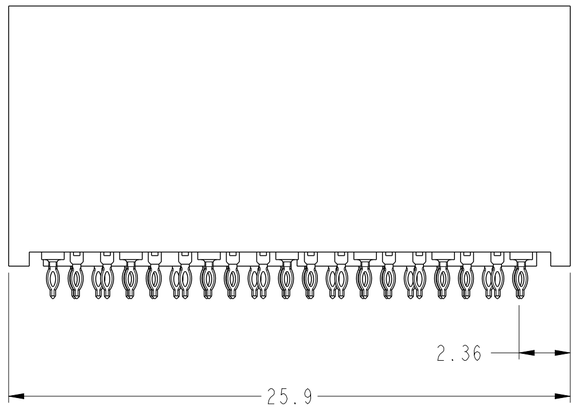


BP HOLE PATTERN COMPONENT SIDE

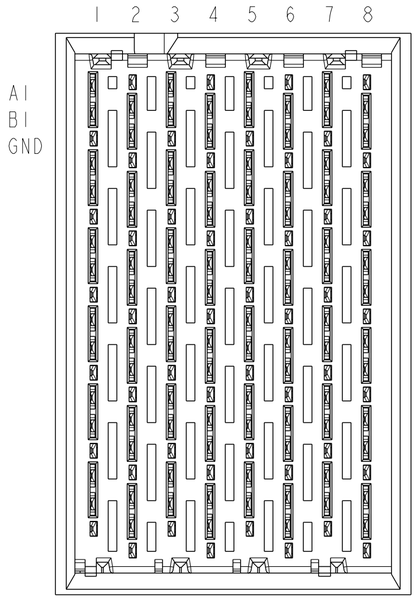
RIGHT WALL MODULE BACKPLANE FOOTPRINT



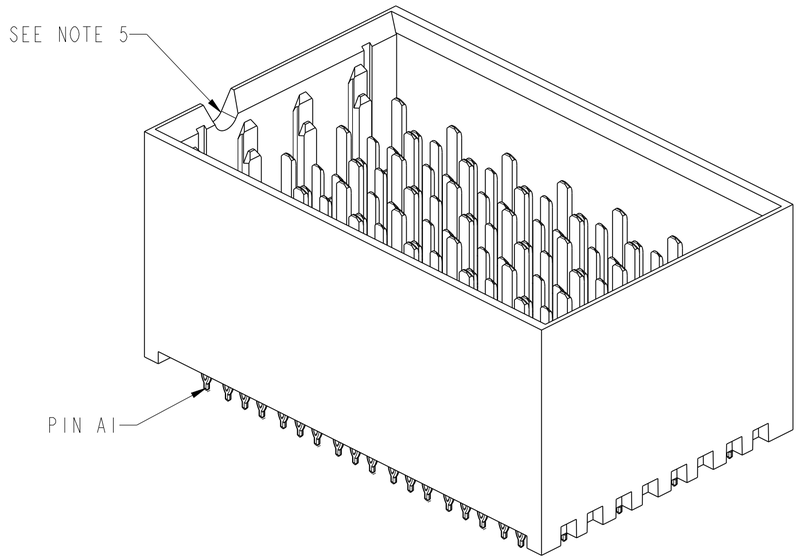


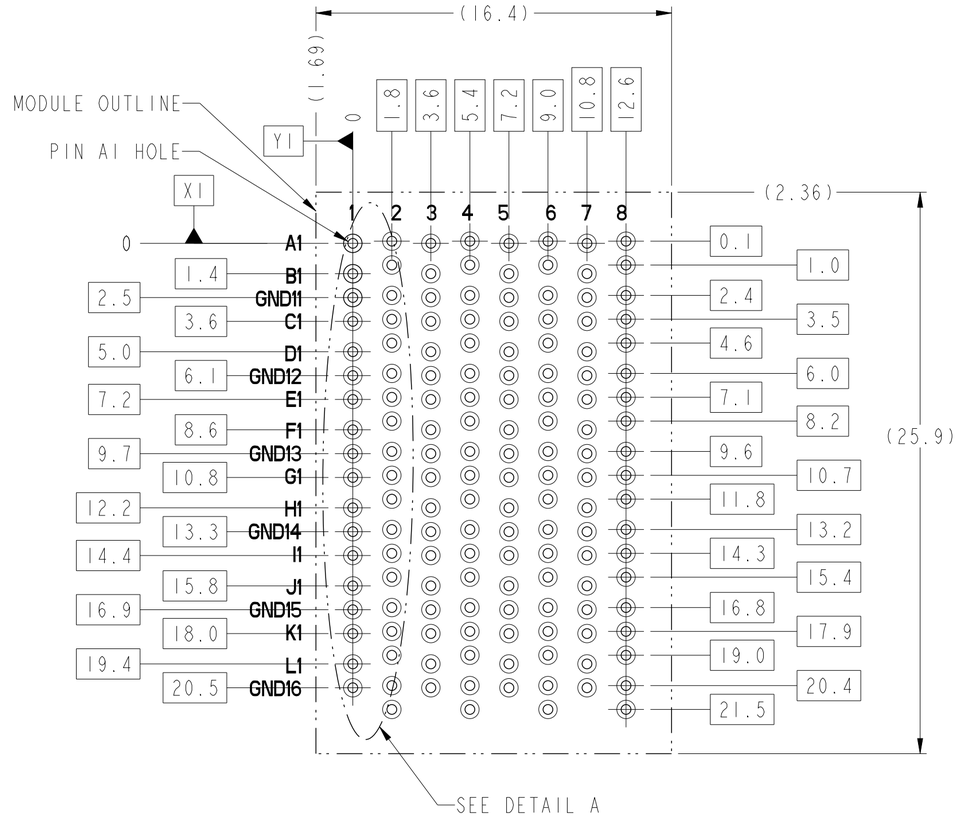


spec ref -			dr	Yong-Keat Lim	2012/02/23	projection	MM	size A2 / scale 5:1
tolerance std - ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sandar Soe	2016/03/08			ecn no ELX-S-17624-1
			chr	-	-			
			appr	Chen-Hong Tan	2016/03/17	product family XCEDE HD		rel level Released
surface ASME Y14.5	linear	0.X ±0.3	Amphenol FCI	title	VERTICAL HEADER ASSEMBLY	dwg no 10120132		rev C
		0.XX ±0.10			XCEDE HD 6 PAIR, 8 COLUMN			
		0.XXX ±0.05	www.fci.com	cat. no. -	Product - Customer Drw			sheet 4 of 8
	angular	0° ±2°						



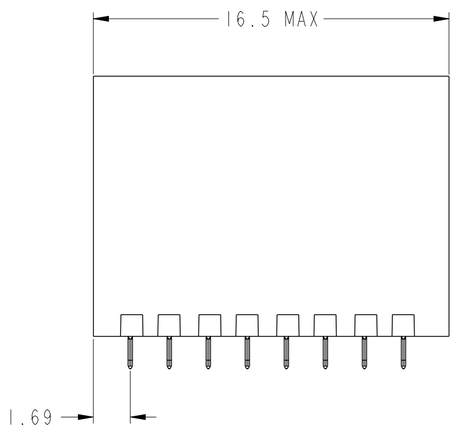
FOUR WALL MODULE

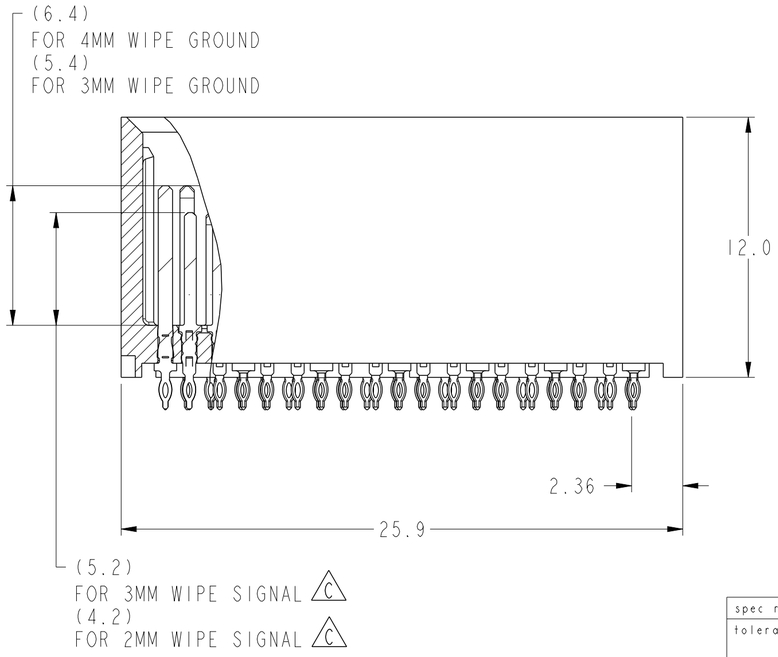


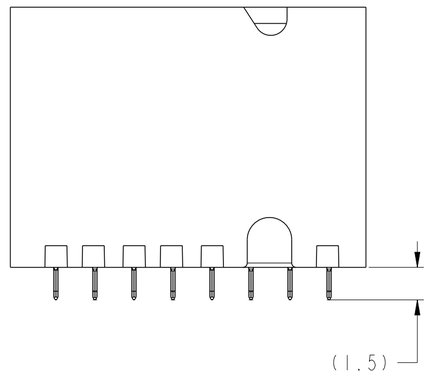


BP HOLE PATTERN COMPONENT SIDE

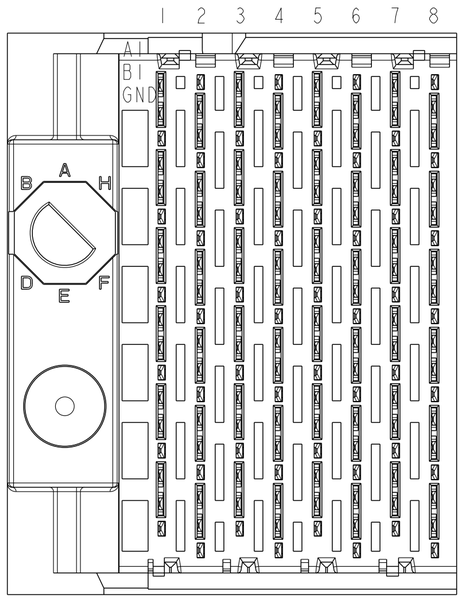
FOUR WALL MODULE BACKPLANE FOOTPRINT



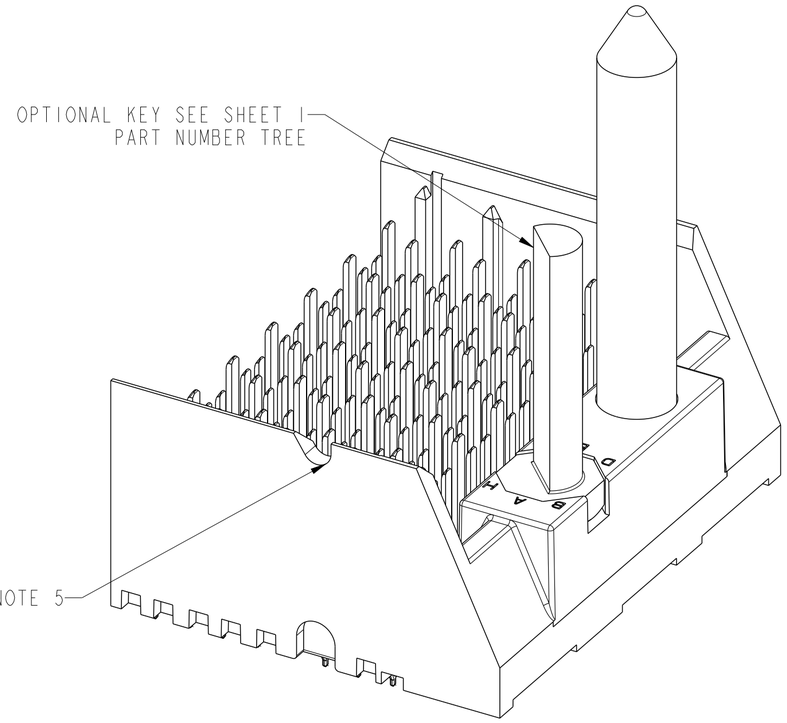


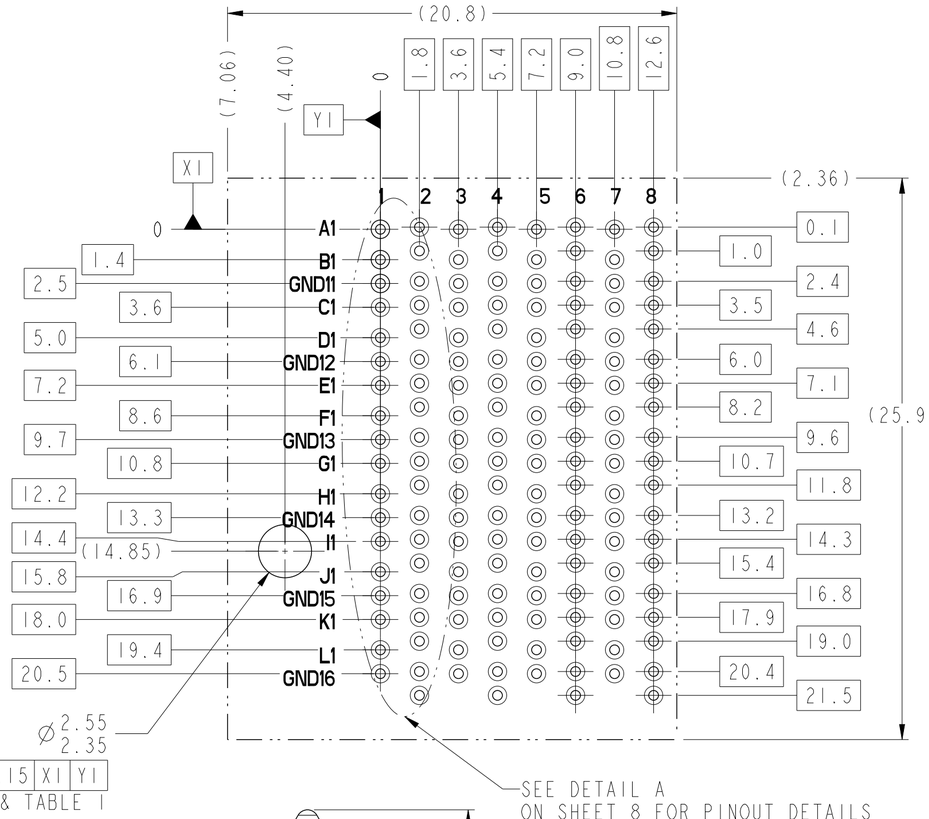


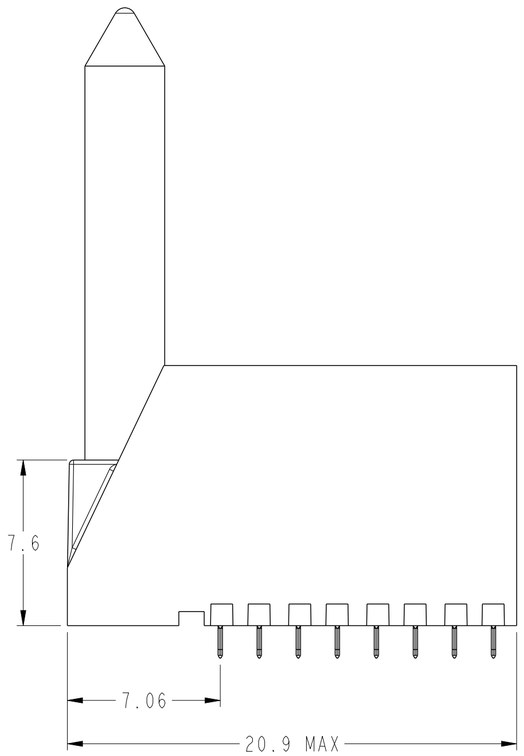
spec ref -			dr	Yong-Keat Lim	2012/02/23	projection	MM	size A2 / scale 5:1
tolerance std - ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sandar Soe	2016/03/08			ecn no ELX-S-17624-1
			chr	-	-			
			appr	Chen-Hong Tan	2016/03/17	product family XCEDE HD		rel level Released
surface ASME Y14.5	linear	0.X ±0.3	Amphenol FCi	title	VERTICAL HEADER ASSEMBLY	dwg no 10120132		rev C
		0.XX ±0.10			XCEDE HD 6 PAIR, 8 COLUMN			
		0.XXX ±0.05	www.fci.com	cat. no. -	Product - Customer Drw			sheet 5 of 8
	angular	0° ±2°						

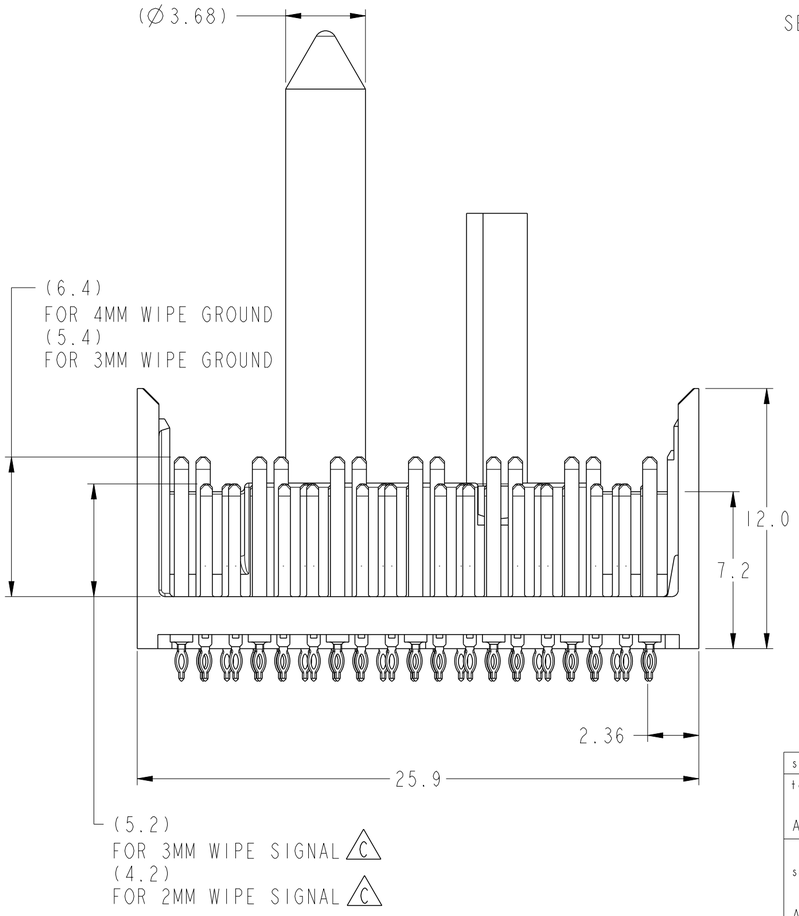


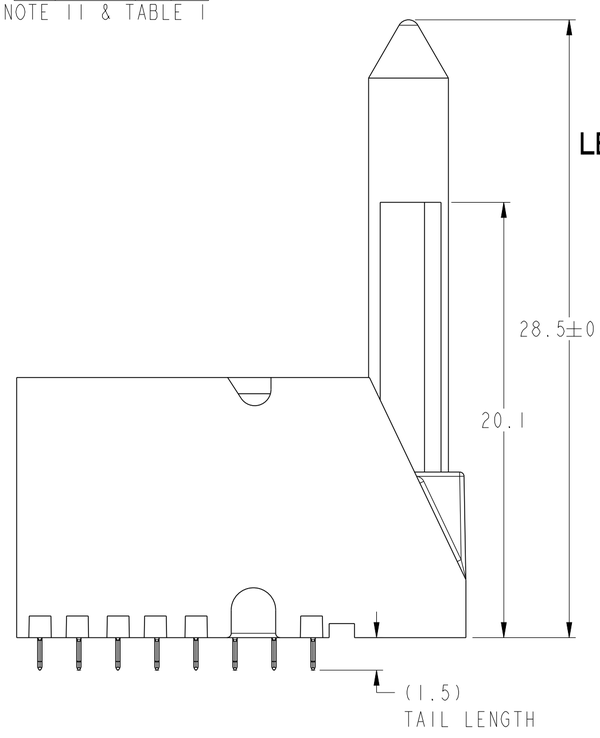
LEFT POLARIZING / GUIDE MODULE







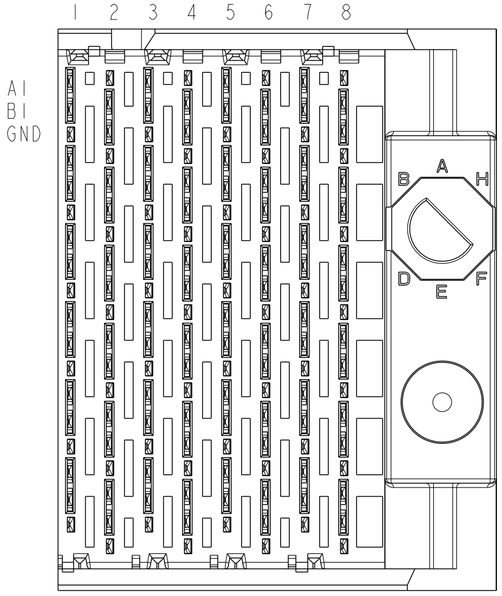




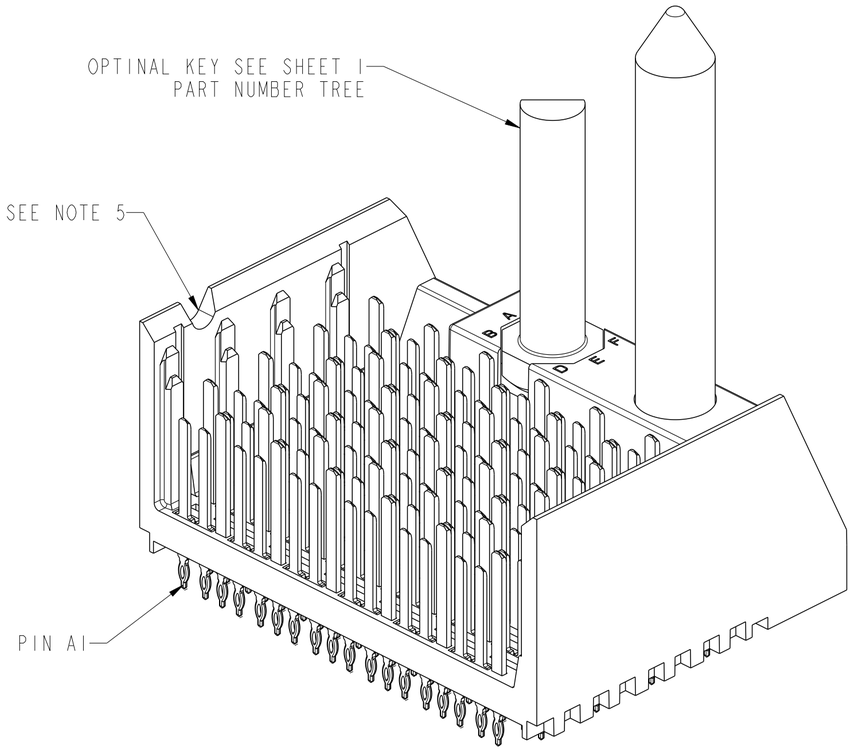
BP HOLE PATTERN COMPONENT SIDE

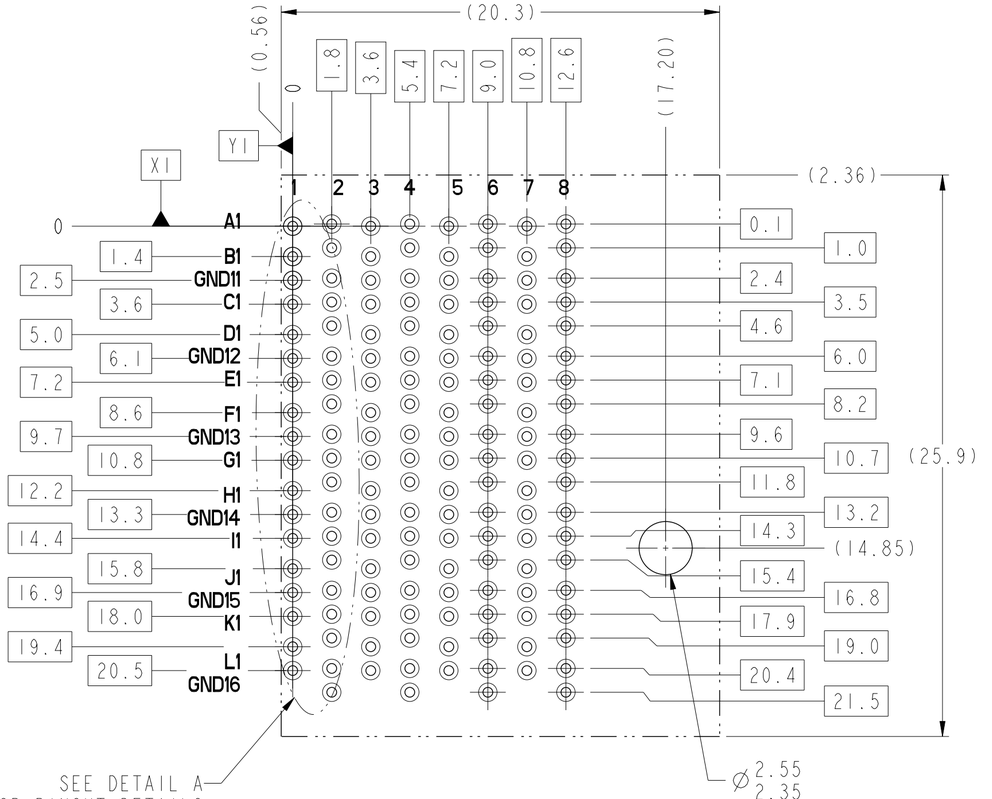
LEFT POLARIZING GUIDE MODULE BACKPLANE FOOTPRINT

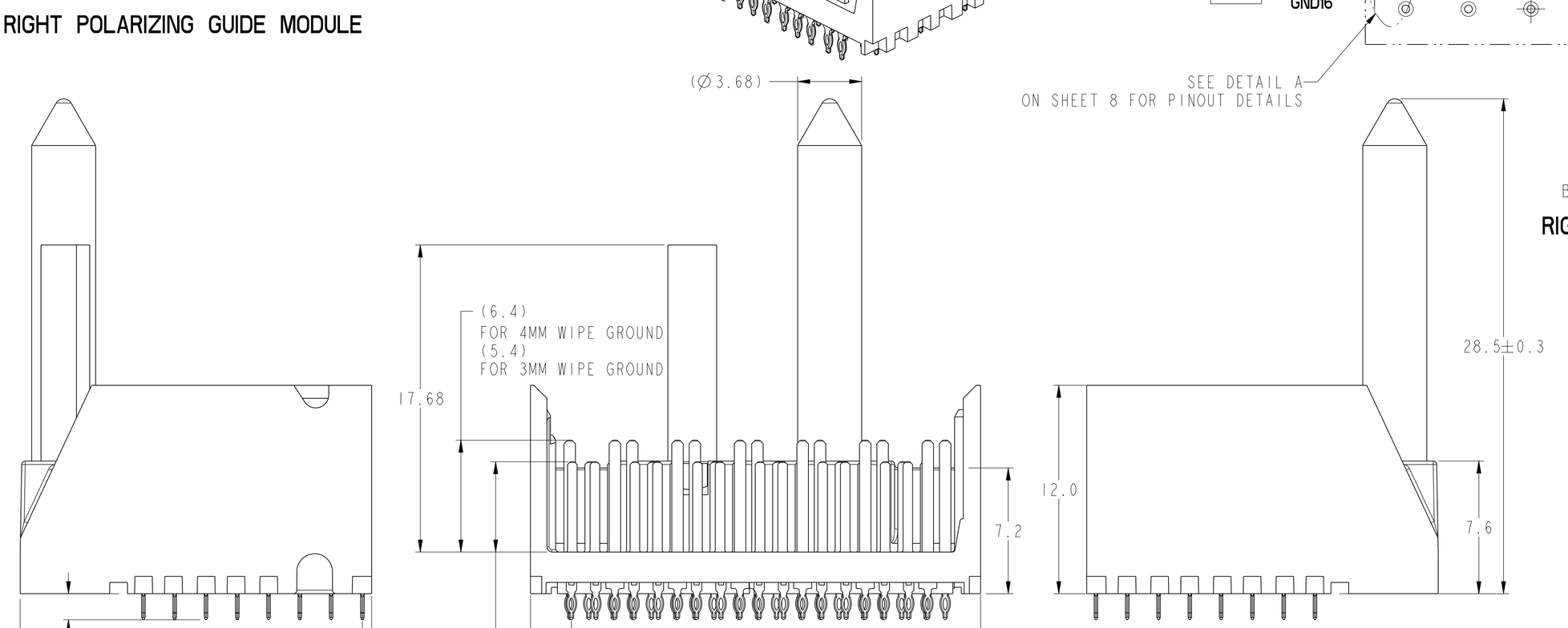
spec ref	-			dr	Yong-Keat Lim	2012/02/23	projection	MM	size A2	scale 5:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sandar Soe	2016/03/08				
- ASME Y14.5				chr	-	-			ecn no	ELX-S-17624-1
				appr	Chen-Hong Tan	2016/03/17	product family	XCEDE HD	rel level	Released
surface	linear	0.X	±0.3	Amphenol FCi	title	VERTICAL HEADER ASSEMBLY	dwg no	10120132	rev	C
ASME Y14.5		0.XX	±0.10			XCEDE HD 6 PAIR, 8 COLUMN				
		0.XXX	±0.05	www.fci.com	cat. no.	-	Product - Customer Drw		sheet 6 of 8	
	angular	0°	±2°							



RIGHT POLARIZING GUIDE MODULE



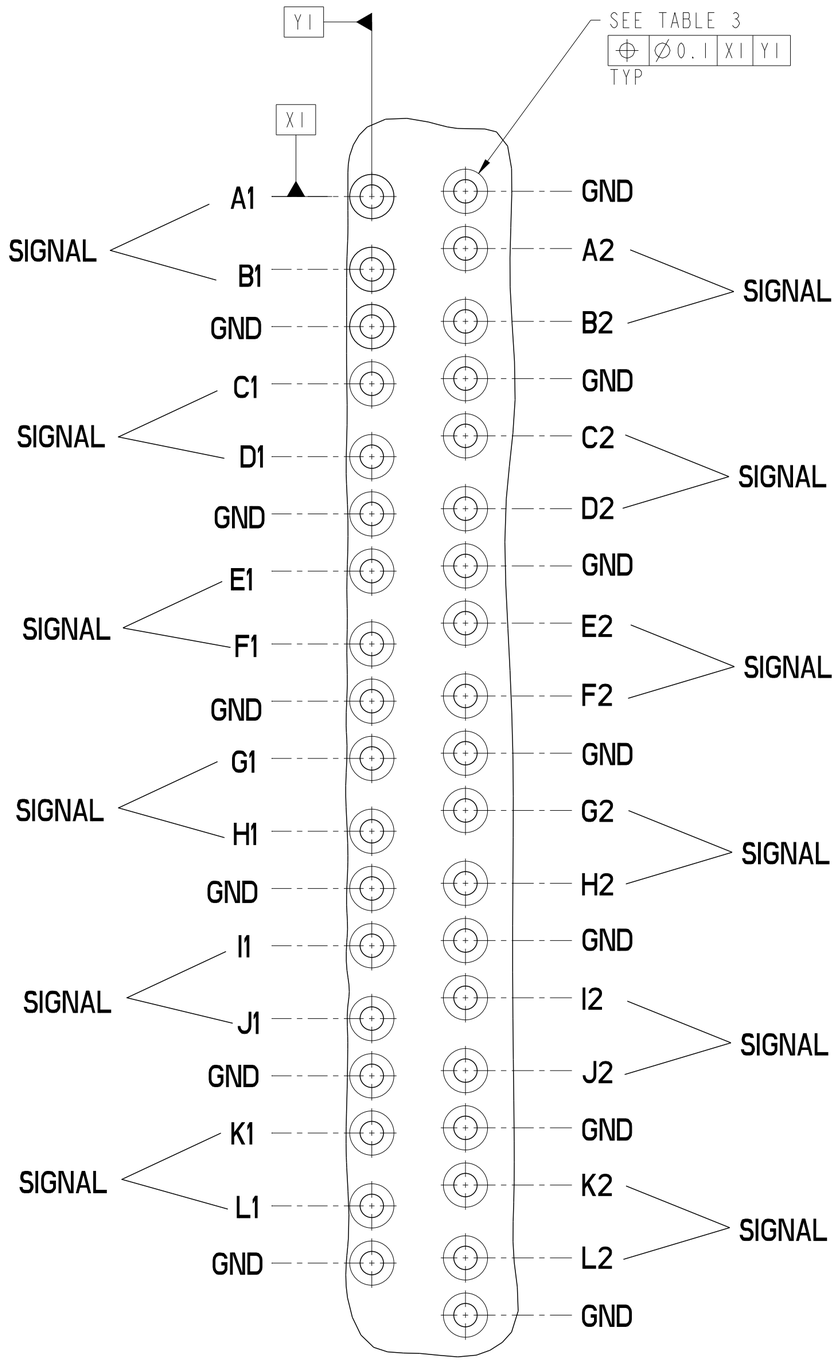




BP HOLE PATTERN COMPONENT SIDE

RIGHT POLARIZING GUIDE MODULE
BACKPLANE FOOTPRINT

spec ref -			dr	Yong-Keat Lim	2012/02/23	projection	MM
tolerance std - ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sandar Soe	2016/03/08	size A2	scale 5:1
			chr	-	-	ecn no ELX-S-17624-1	
			appr	Chen-Hong Tan	2016/03/17	product family XCEDE HD	rel level Released
surface ASME Y14.5	linear	0.X ±0.3	Amphenol FCi	title	VERTICAL HEADER ASSEMBLY	dwg no 10120132	rev C
		0.XX ±0.10			XCEDE HD 6 PAIR, 8 COLUMN		
		0.XXX ±0.05	www.fci.com	cat. no. -		Product - Customer Drw	sheet 7 of 8
	angular	0° ±2°					



DETAIL A
SCALE 12:1
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 (10120132-X0E-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 (C) 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.

spec ref	-		dr	Yong-Keat Lim	2012/02/23	projection	MM
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sandar Soe	2016/03/08		
- ASME Y14.5			chr	-	-	size A2	scale 3:1
			appr	Chen-Hong Tan	2016/03/17	ecn no ELX-S-17624-1	
						product family XCEDE HD	rel level Released
surface ASME Y14.5	linear	0.X ±0.3	Amphenol FCi	title VERTICAL HEADER ASSEMBLY		dwg no 10120132	rev C
		0.XX ±0.10		XCEDE HD 6 PAIR, 8 COLUMN			
		0.XXX ±0.05					
	angular	0° ±2°	www.fci.com	cat. no. -	Product - Customer Drw		sheet 8 of 8

Mouser Electronics

Authorized Distributor

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

FCI:

10120132-W0E-80DLF 10120132-F0E-40DLF 10120132-G0E-20DLF 10120132-T0E-60DLF 10120132-S0E-10DLF
10120132-C0E-70DLF 10120132-G0E-70DLF 10120132-V0E-80DLF 10120132-W0E-50DLF 10120132-T0E-30DLF
10120132-L0E-80DLF 10120132-U0E-60DLF 10120132-P0E-80DLF 10120132-D0E-20DLF 10120132-U0E-20DLF
10120132-D0E-40DLF 10120132-D0E-30DLF 10120132-E0E-10DLF 10120132-A0E-20DLF 10120132-B0E-50DLF
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