

10120132 - X0E - XXXLF

8-COLUMN
DIFFERENTIAL
SIGNAL

LEAD-FREE DESIGNATION
ONLY WITH APPLICABLE
PLATING CODES

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 10120132-XXXX, WHERE: "X" DENOTES MODULE TYPE PER CHART ON THIS SHEET "XXXX" IS A SEQUENTIAL NUMBER BEGINNING WITH "0001".

TABLE 1 (SEE NOTE 11)		
	UNGROUND	GROUND
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

ASME Y14.5

TOLERANCES UNLESS OTHERWISE SPECIFIED

linear

angular

0.X

0.XX

0.XXX

0°

±0.3

±0.10

±0.05

±2°

dr

eng

chr

appr

Yong-Keat Lim

Sandar Soe

-

Chen-Hong Tan

2012/02/23

2016/03/08

-

2016/03/17

projection

MM

size

A2

scale

2:1

ecn no

ELX-S-17624-1

rel level

Released

product family

XCEDE HD

Amphenol FCI

www.fci.com

title

VERTICAL HEADER ASSEMBLY

XCEDE HD 6 PAIR, 8 COLUMN

cat. no.

-

Product

Customer Drw

sheet 1 of 8

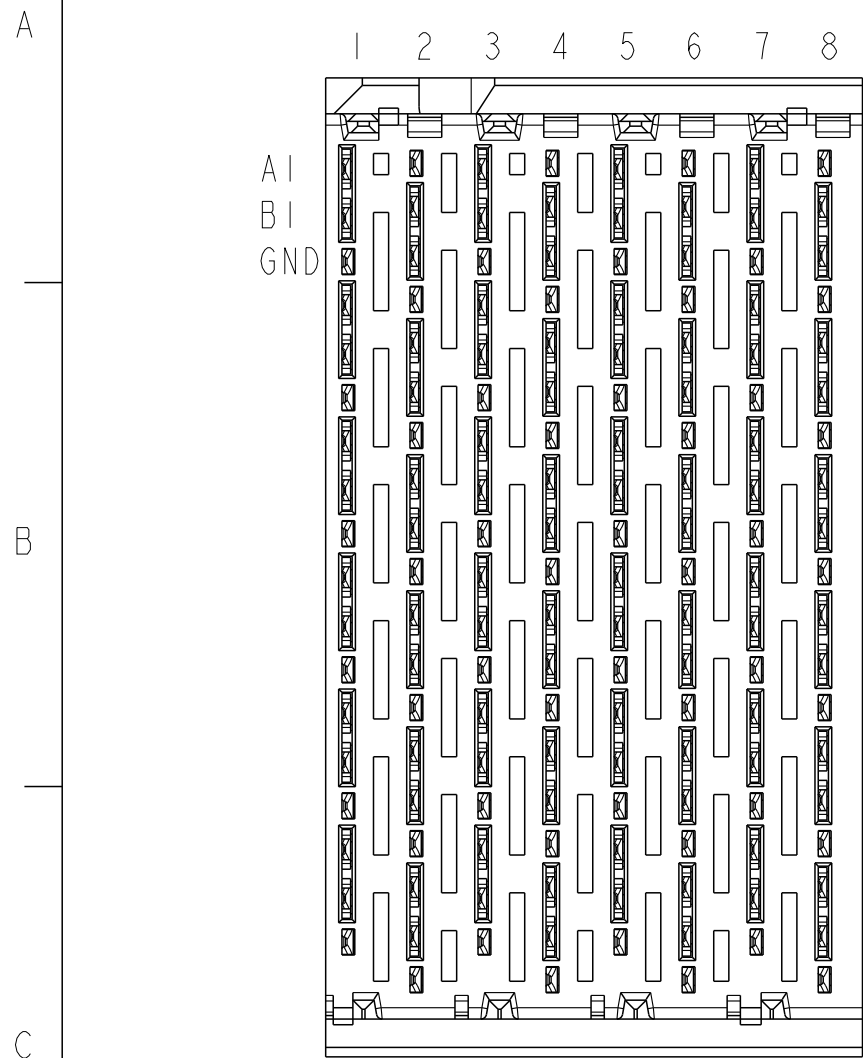
rev

C

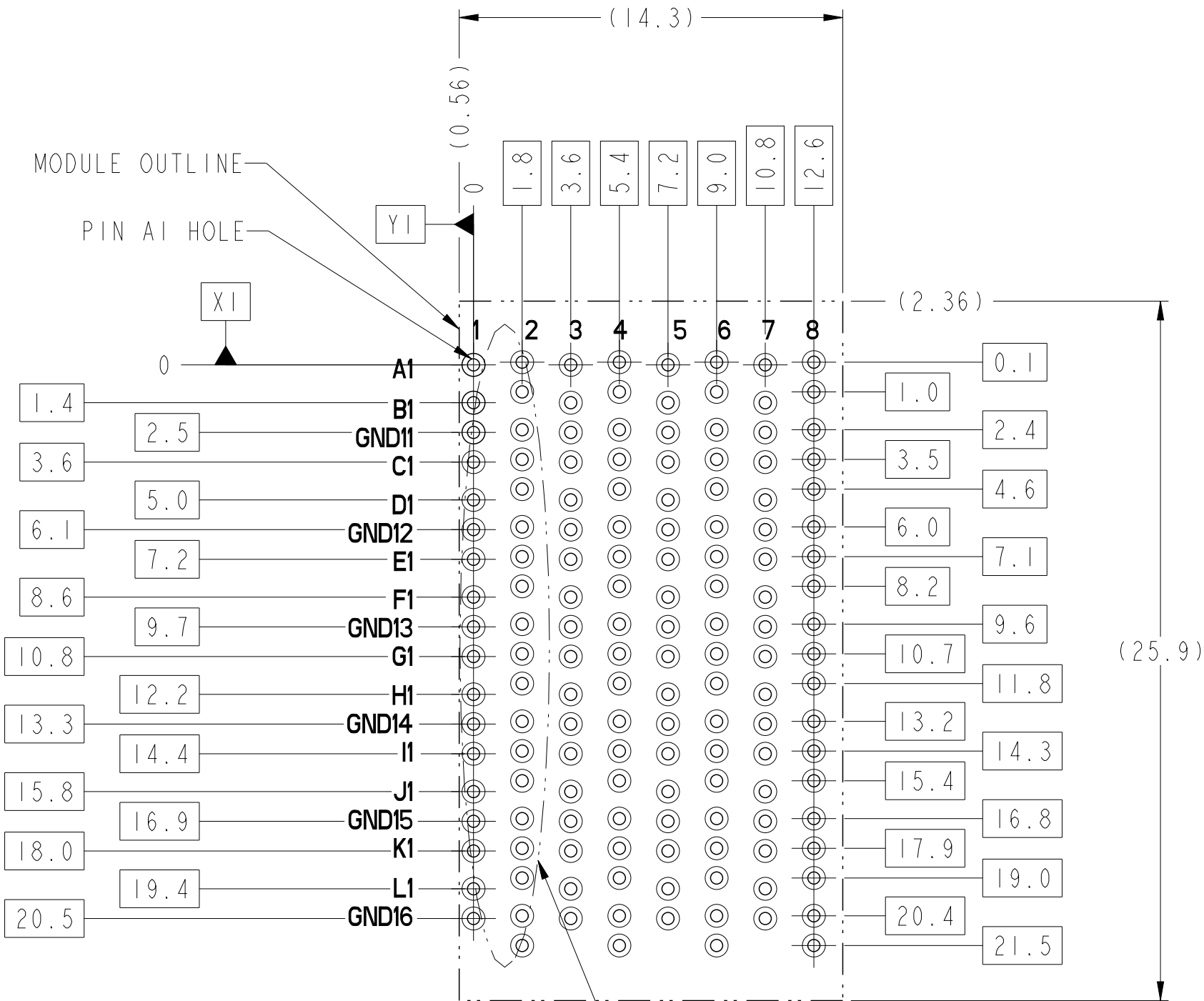
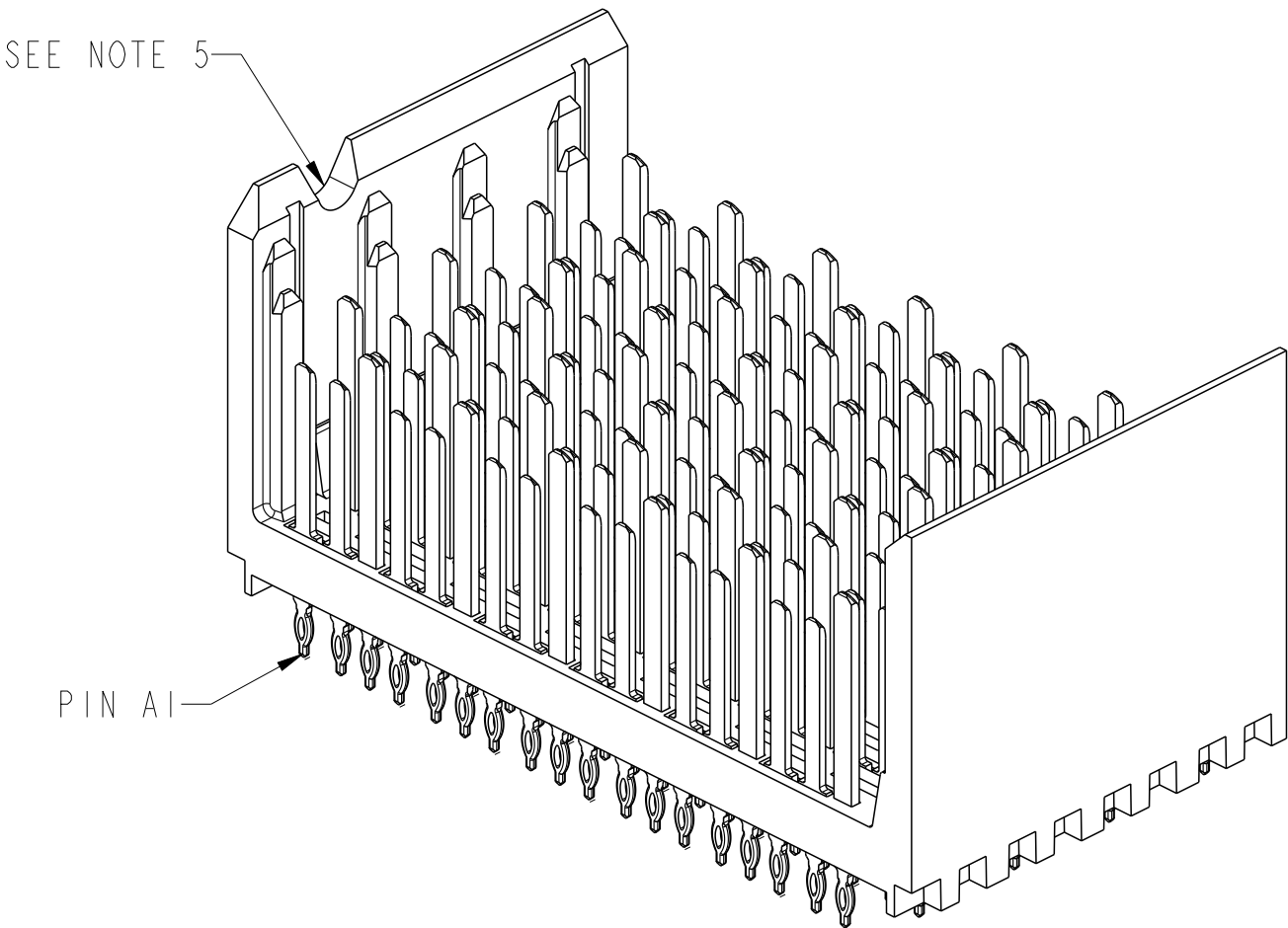
PDS: Rev :C

STATUS:Released

Printed: Mar 17, 2016

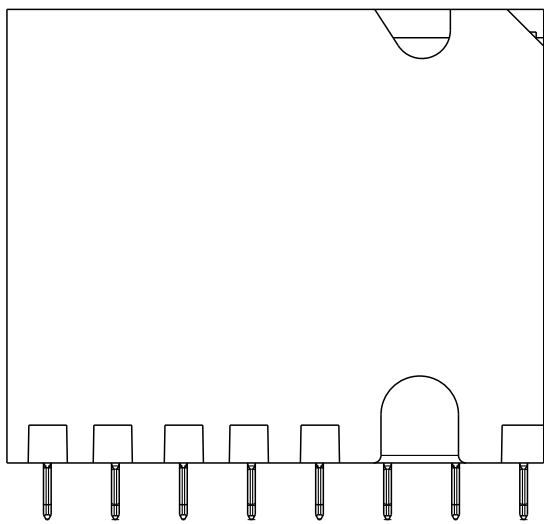
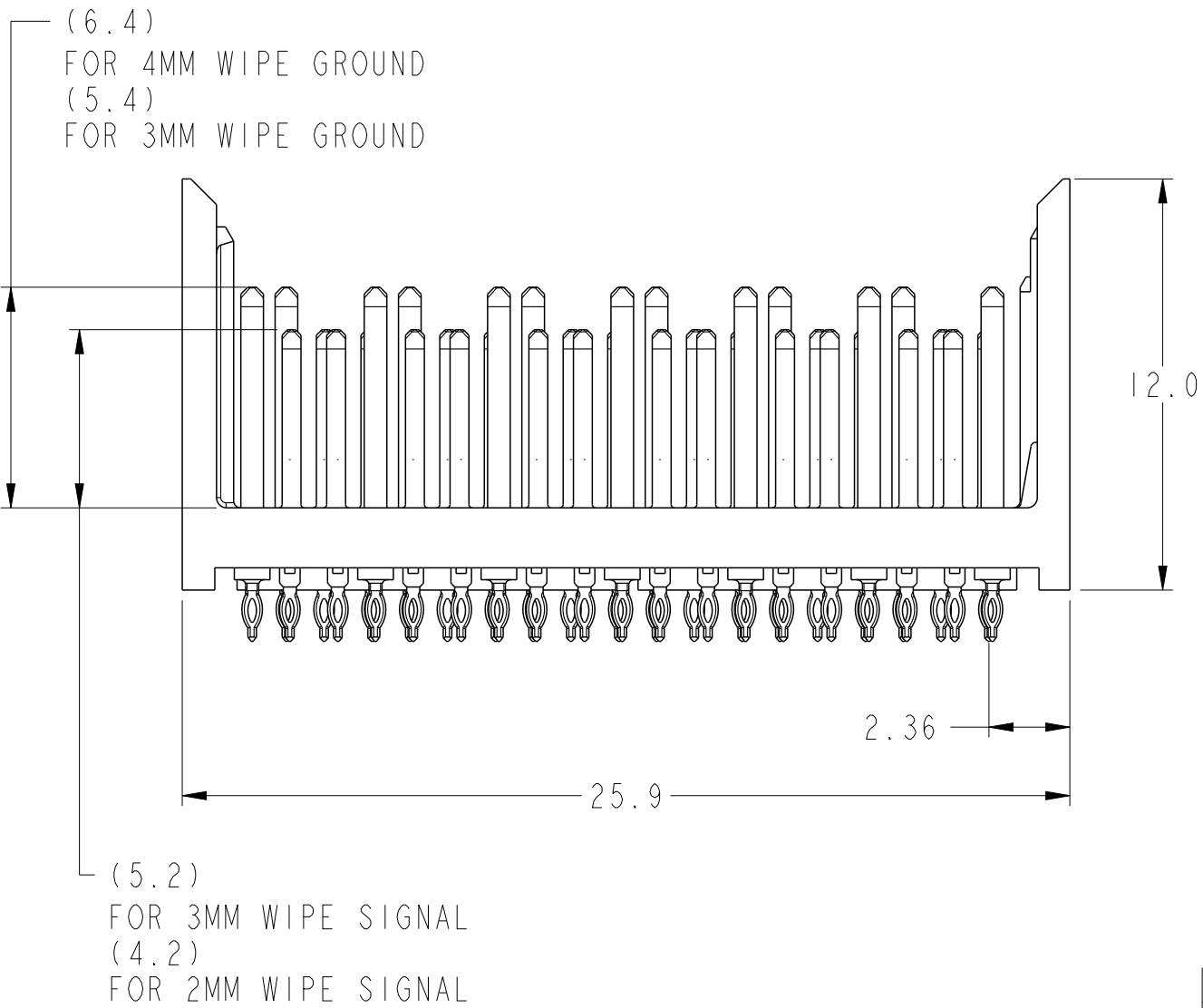
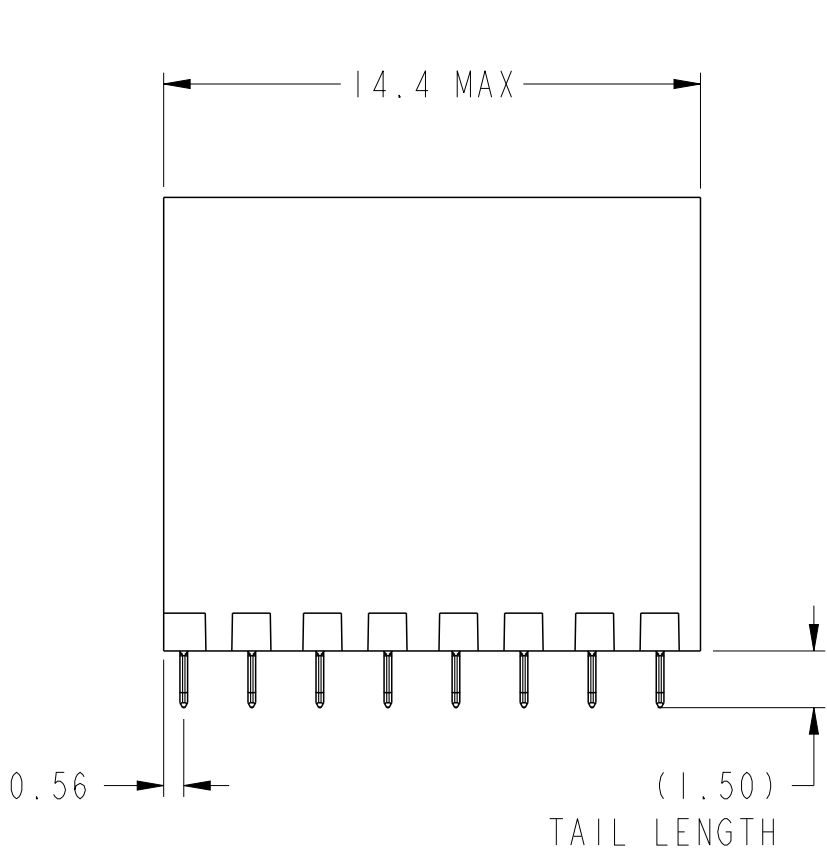


OPEN WALL MODULE

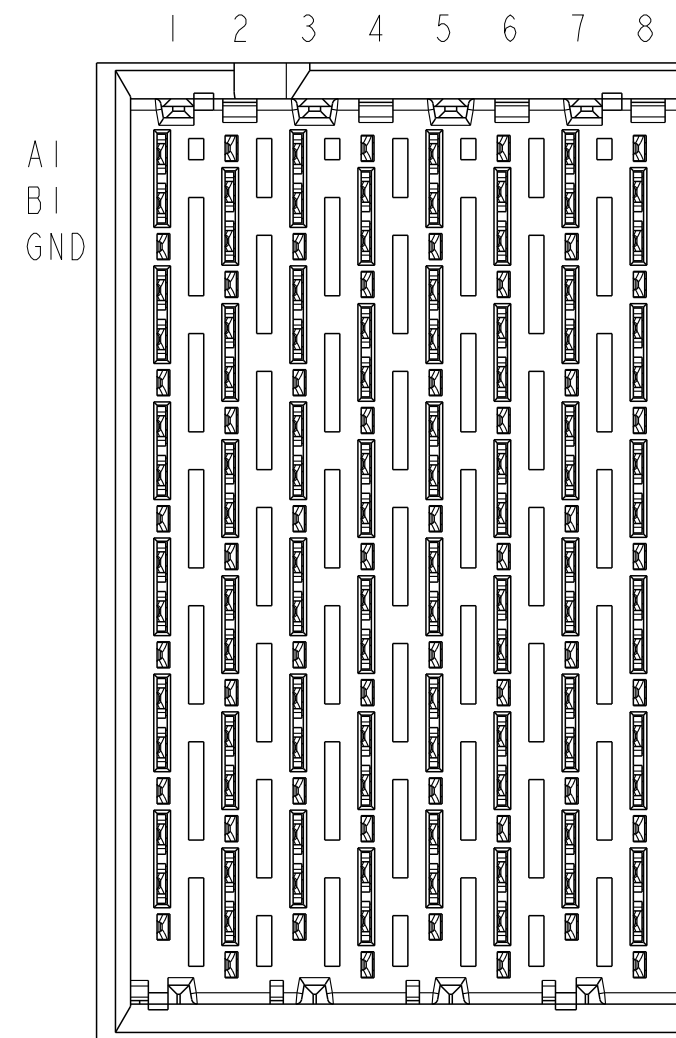


BP HOLE PATTERN COMPONENT SIDE

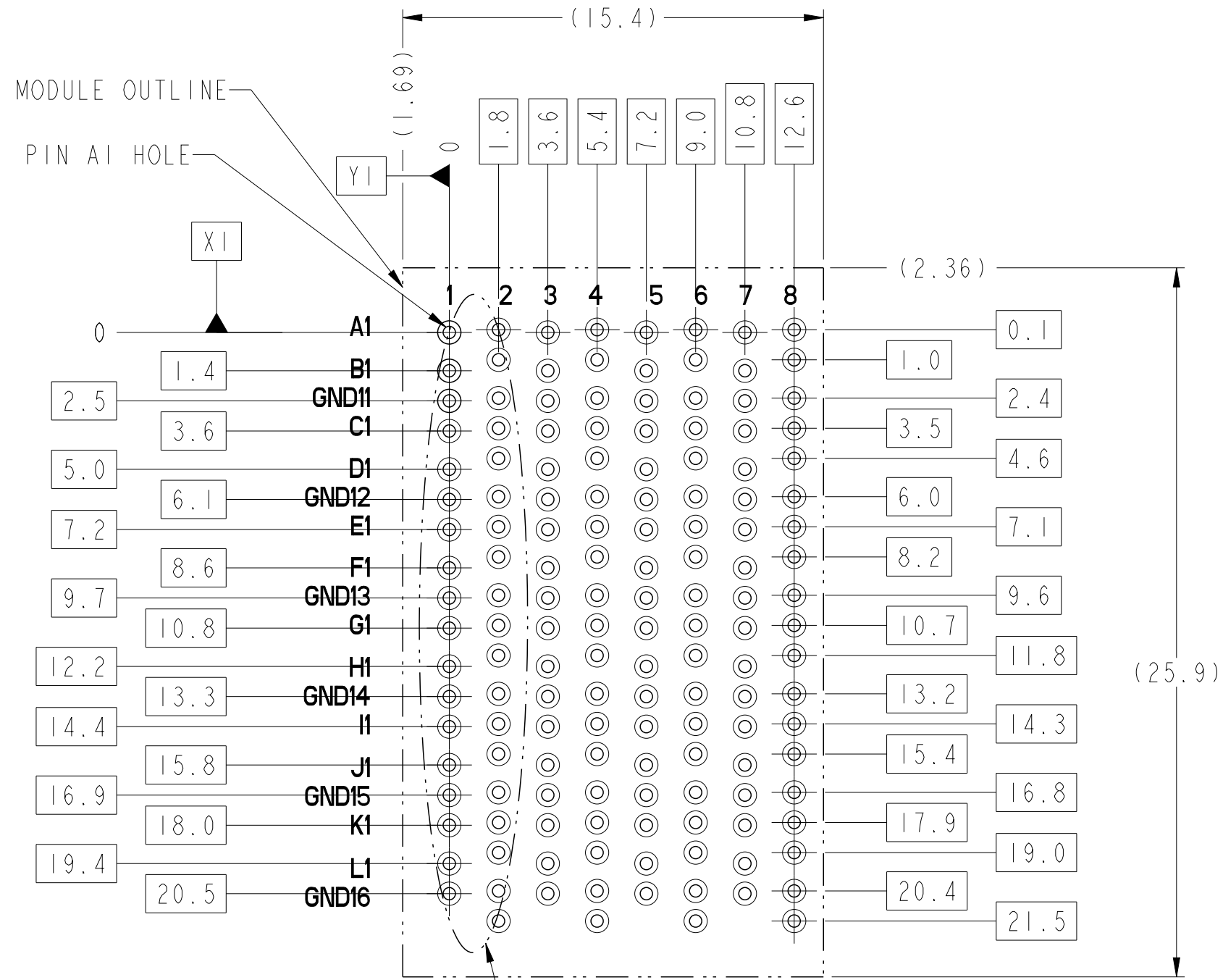
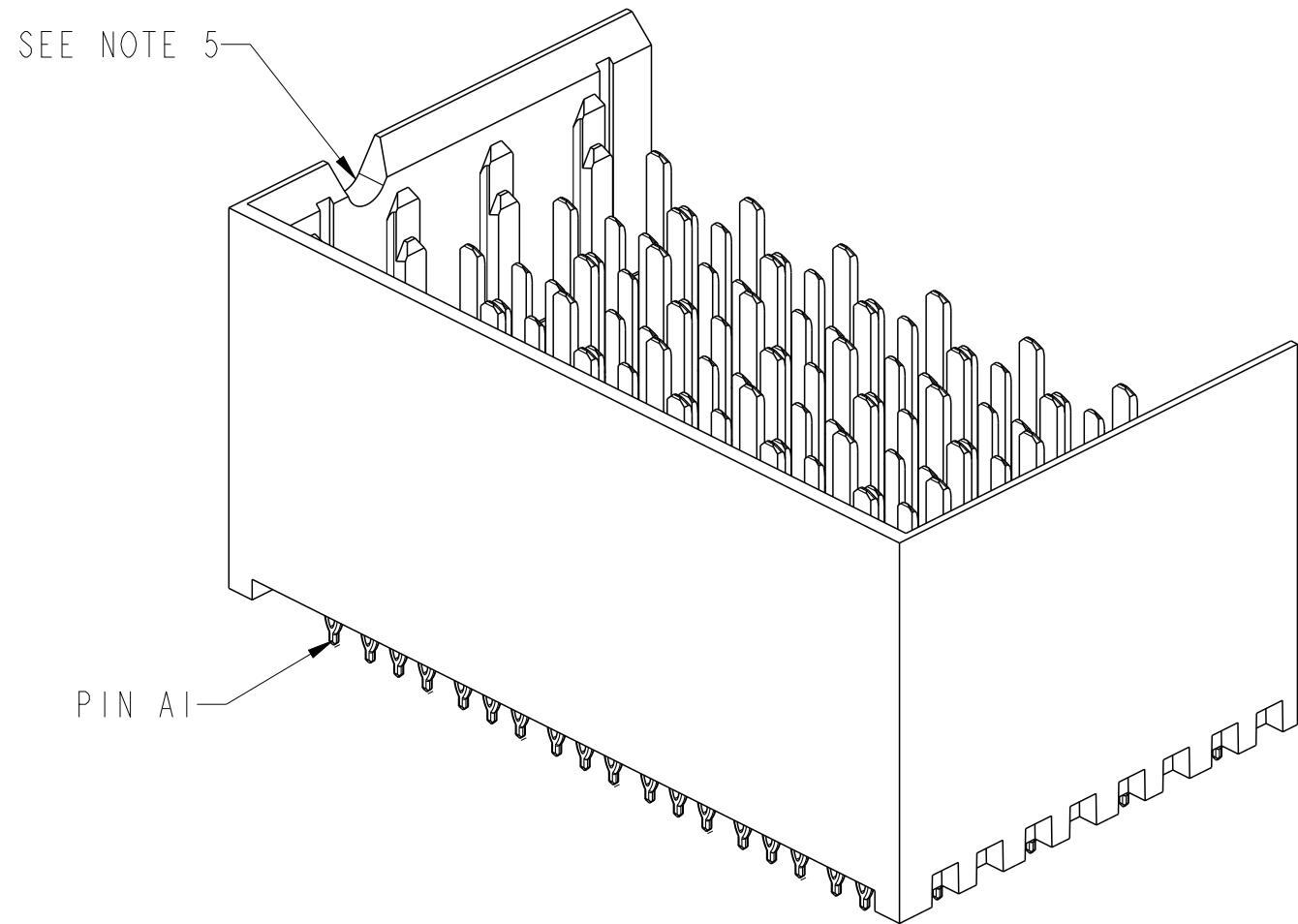
OPEN WALL MODULE BACKPLANE FOOTPRINT



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

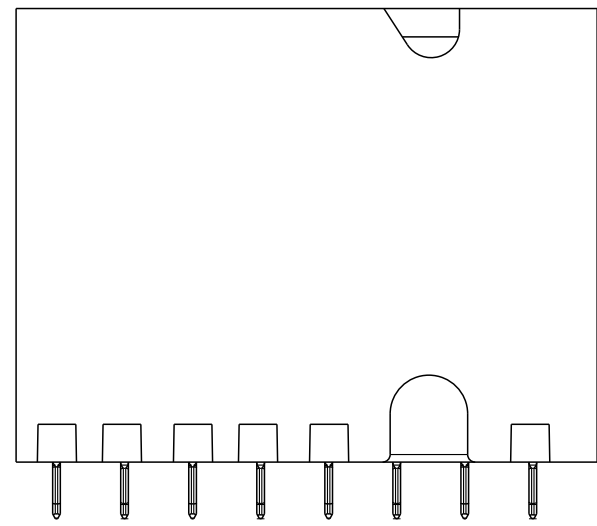
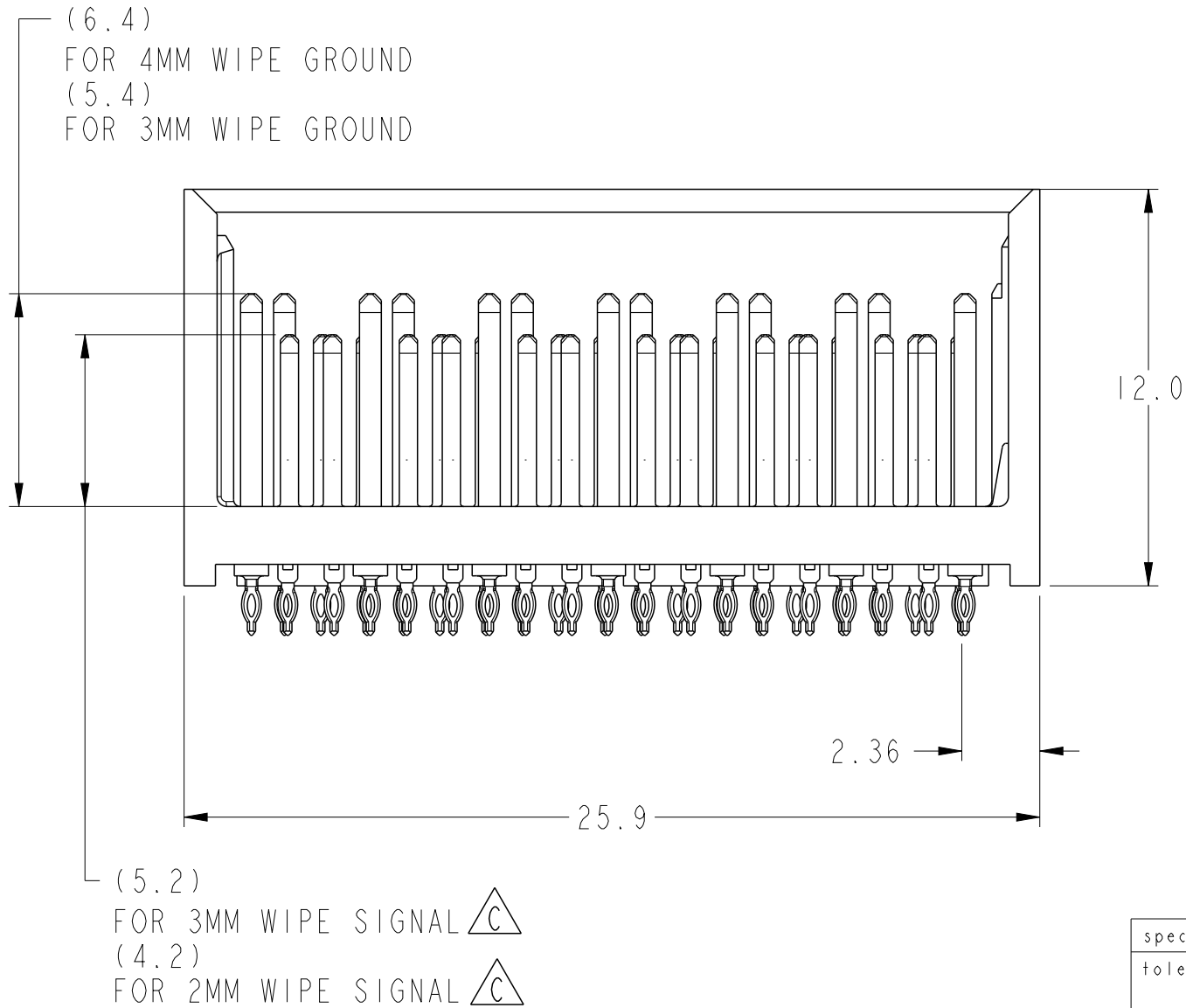
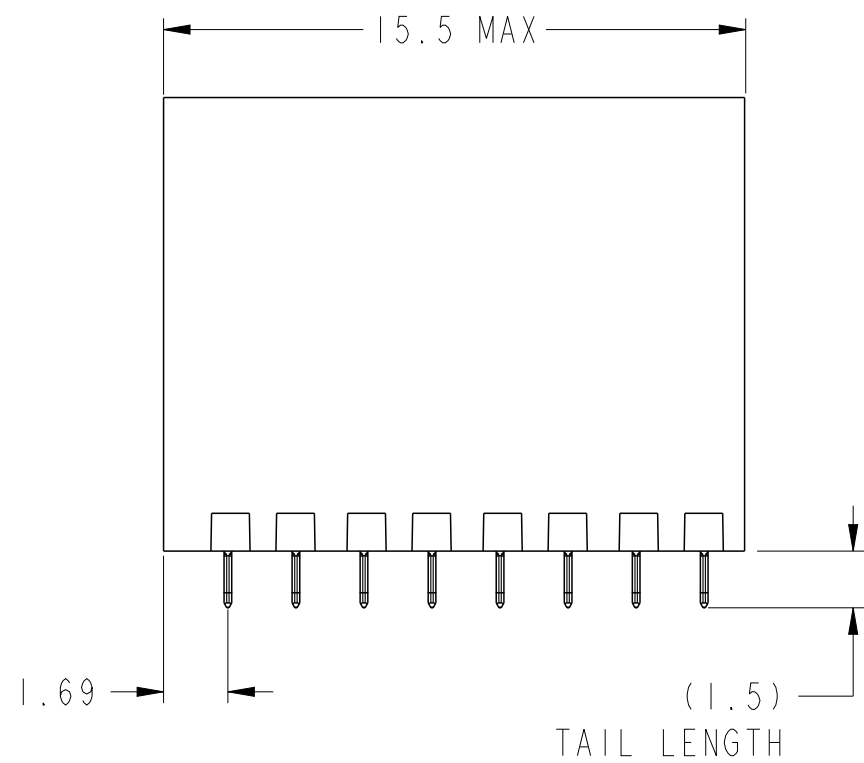


LEFT WALL MODULE



BP HOLE PATTERN COMPONENT SIDE

LEFT WALL MODULE BACKPLANE FOOTPRINT



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tolerance std	-	eng	Sandar Soe	2016/03/08	chr	-	ecn no	ELX-S-17624-1	rel level	Released
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	appr	Chen-Hong Tan	2016/03/17	product family	XCEDE HD	rel level	Released	rev	C
surface	linear	0.X	±0.3	0.XX	±0.10	0.XXX	±0.05	angular	0°	±2°
ASME Y14.5	angular	0°	±2°	title	VERTICAL HEADER ASSEMBLY	cat. no.	-	Product - Customer Drw	sheet 3 of 8	

A

B

C

D

E

F

A

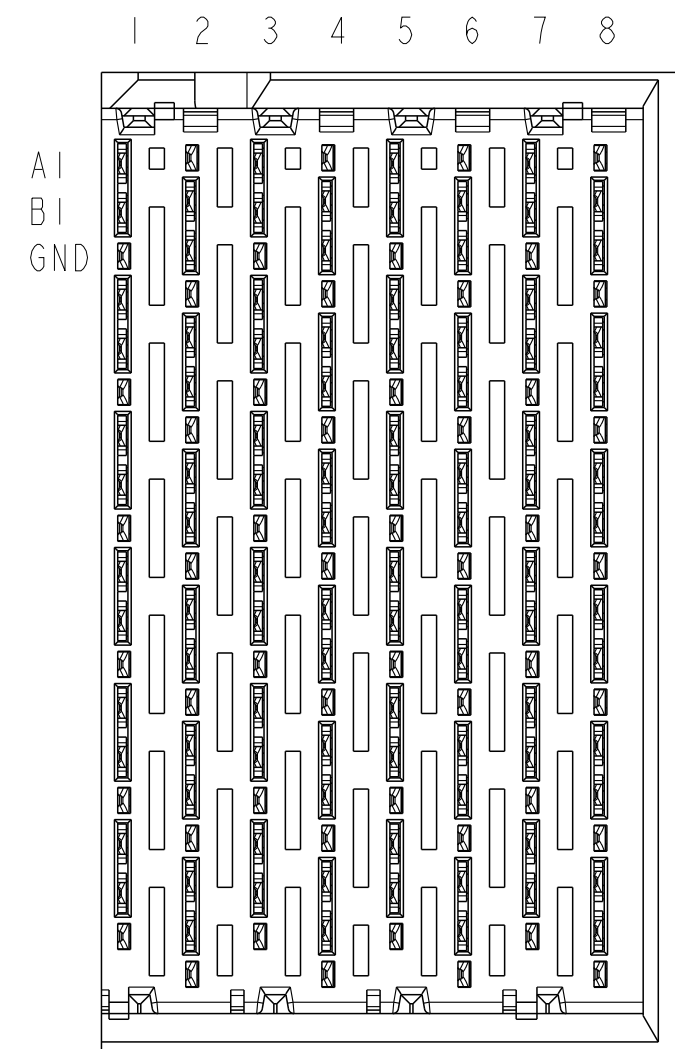
B

C

D

E

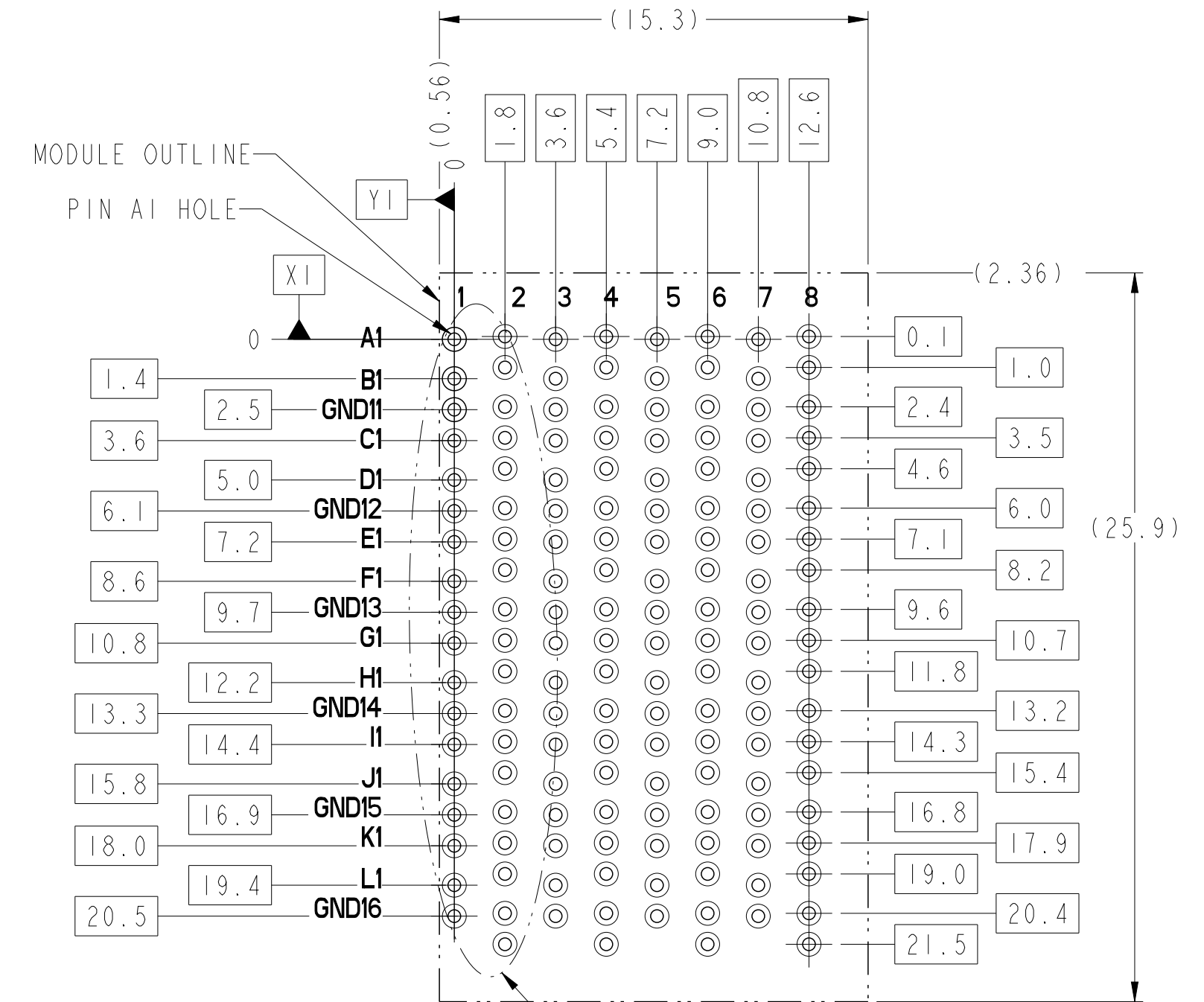
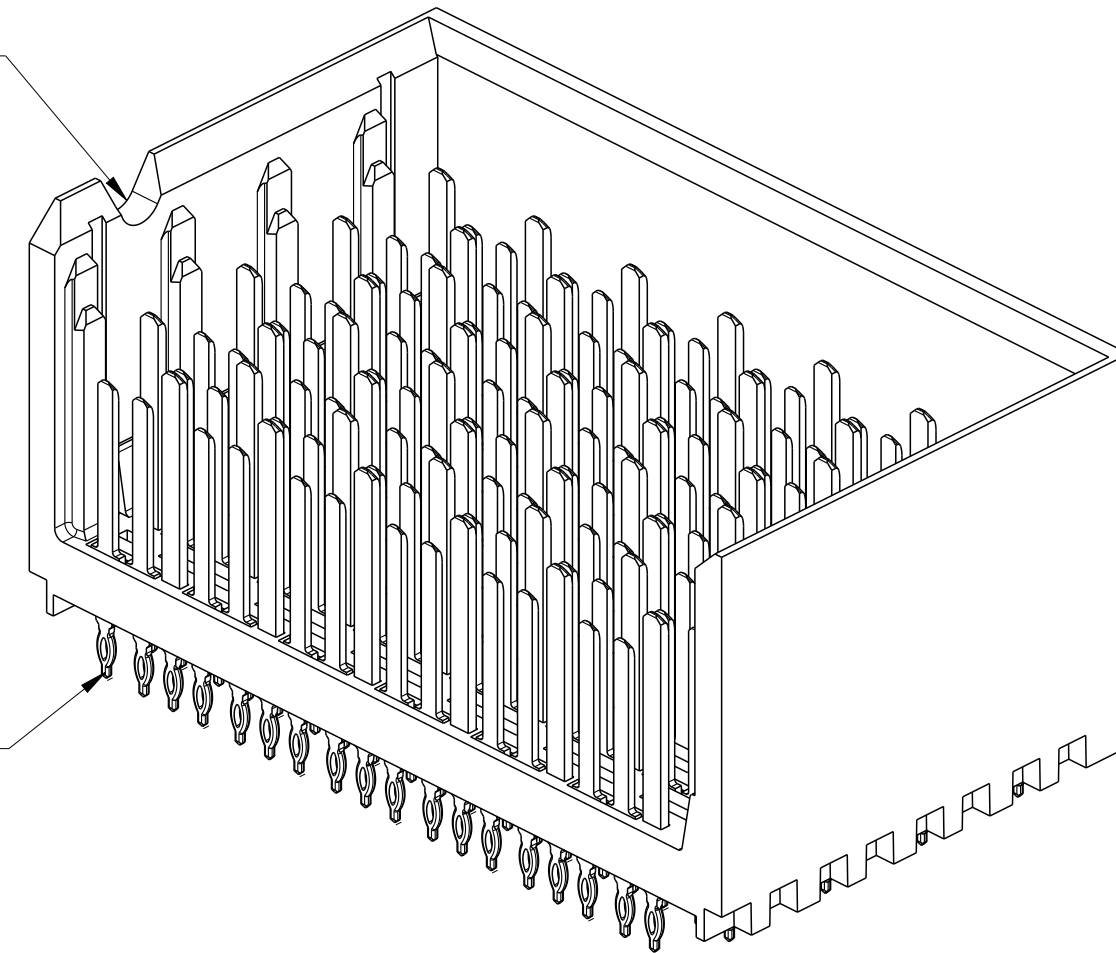
F



RIGHT WALL MODULE

SEE NOTE 5

PIN AI

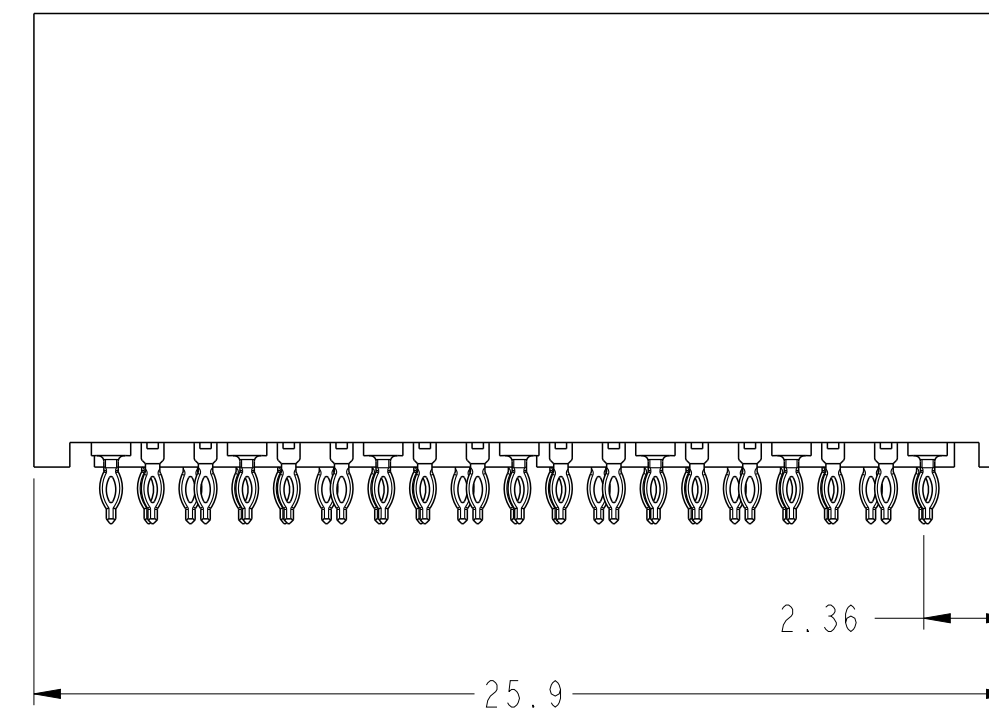
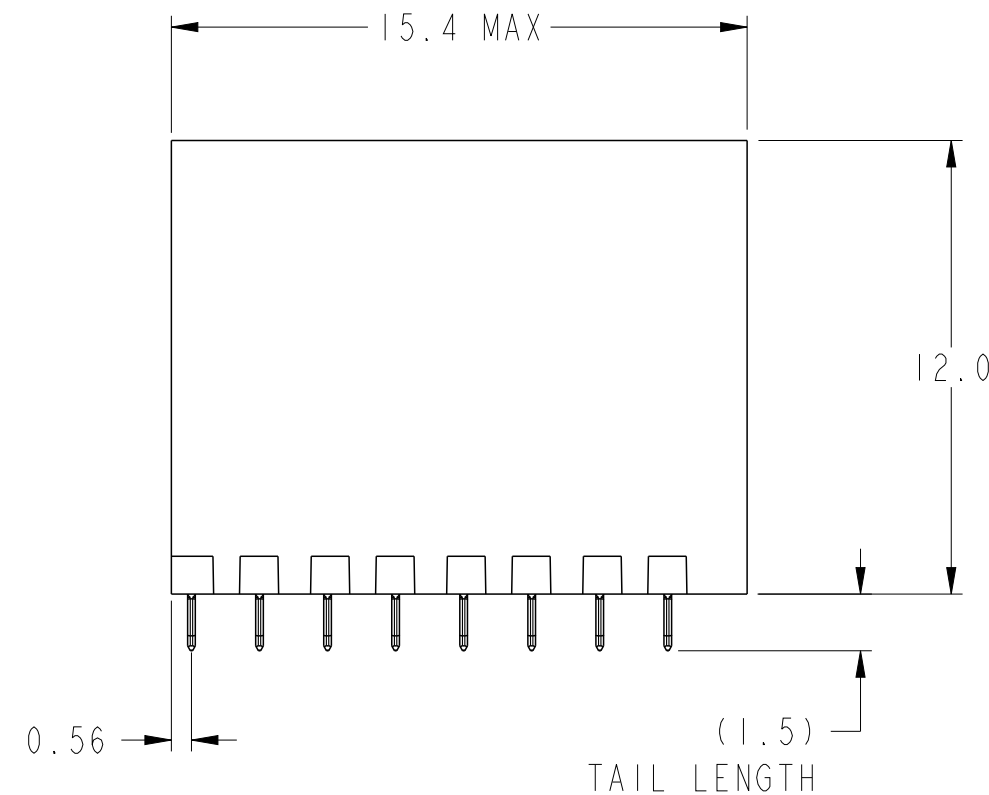
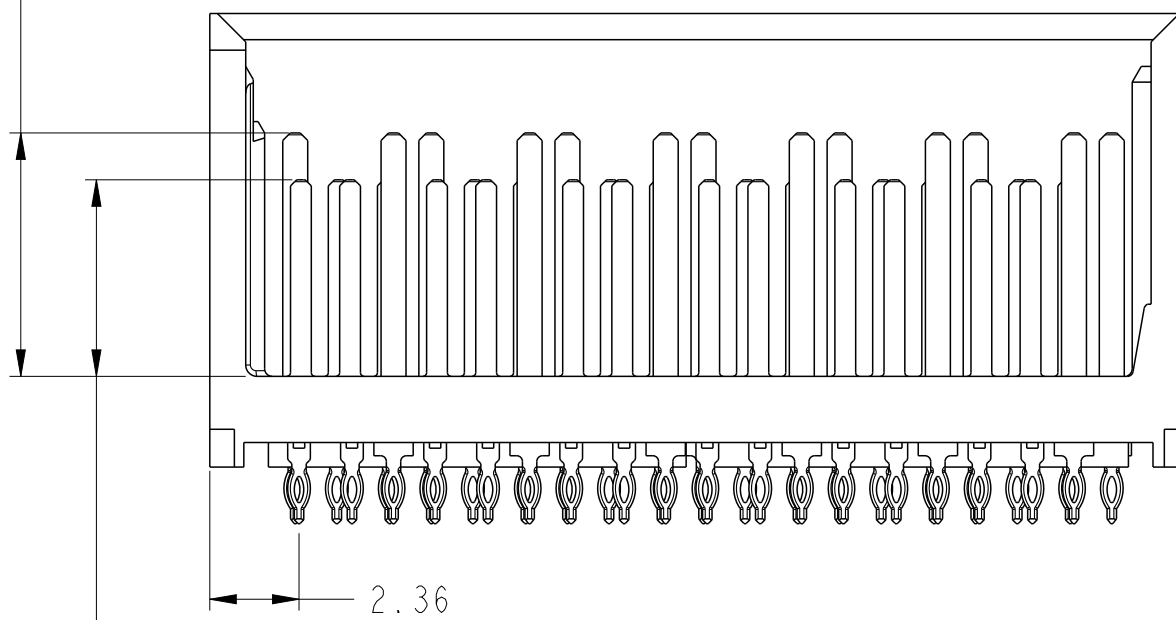


SEE DETAIL A
ON SHEET 8 FOR PINOUT DETAILS

BP HOLE PATTERN COMPONENT SIDE

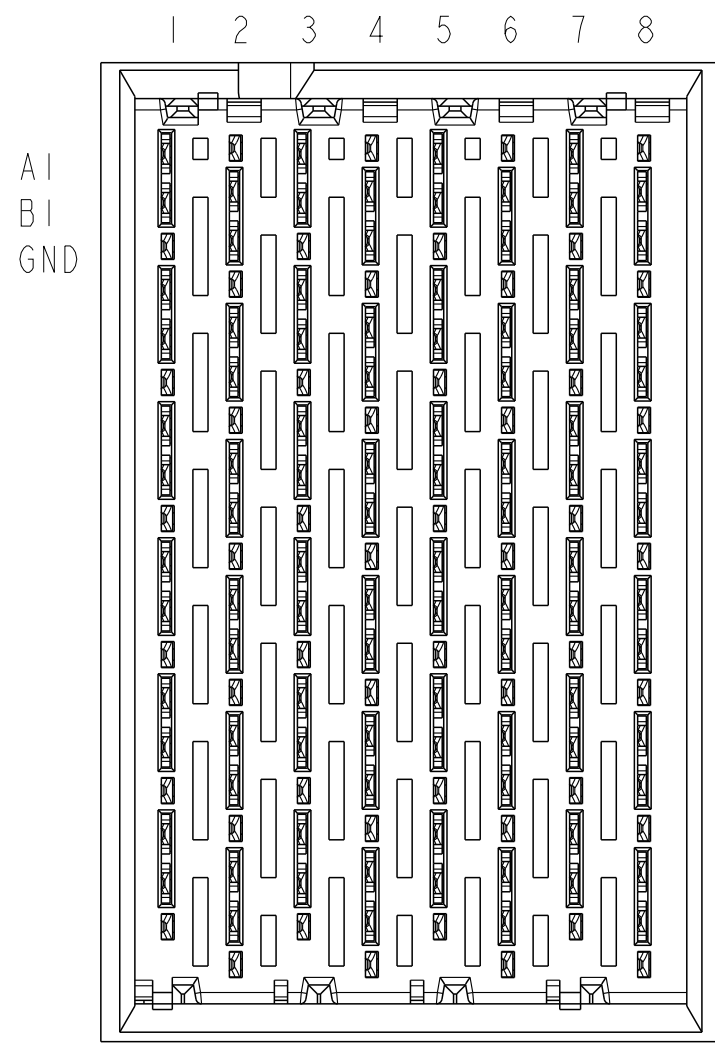
RIGHT WALL MODULE BACKPLANE FOOTPRINT

(6.4)
FOR 4MM WIPE GROUND
(5.4)
FOR 3MM WIPE GROUND



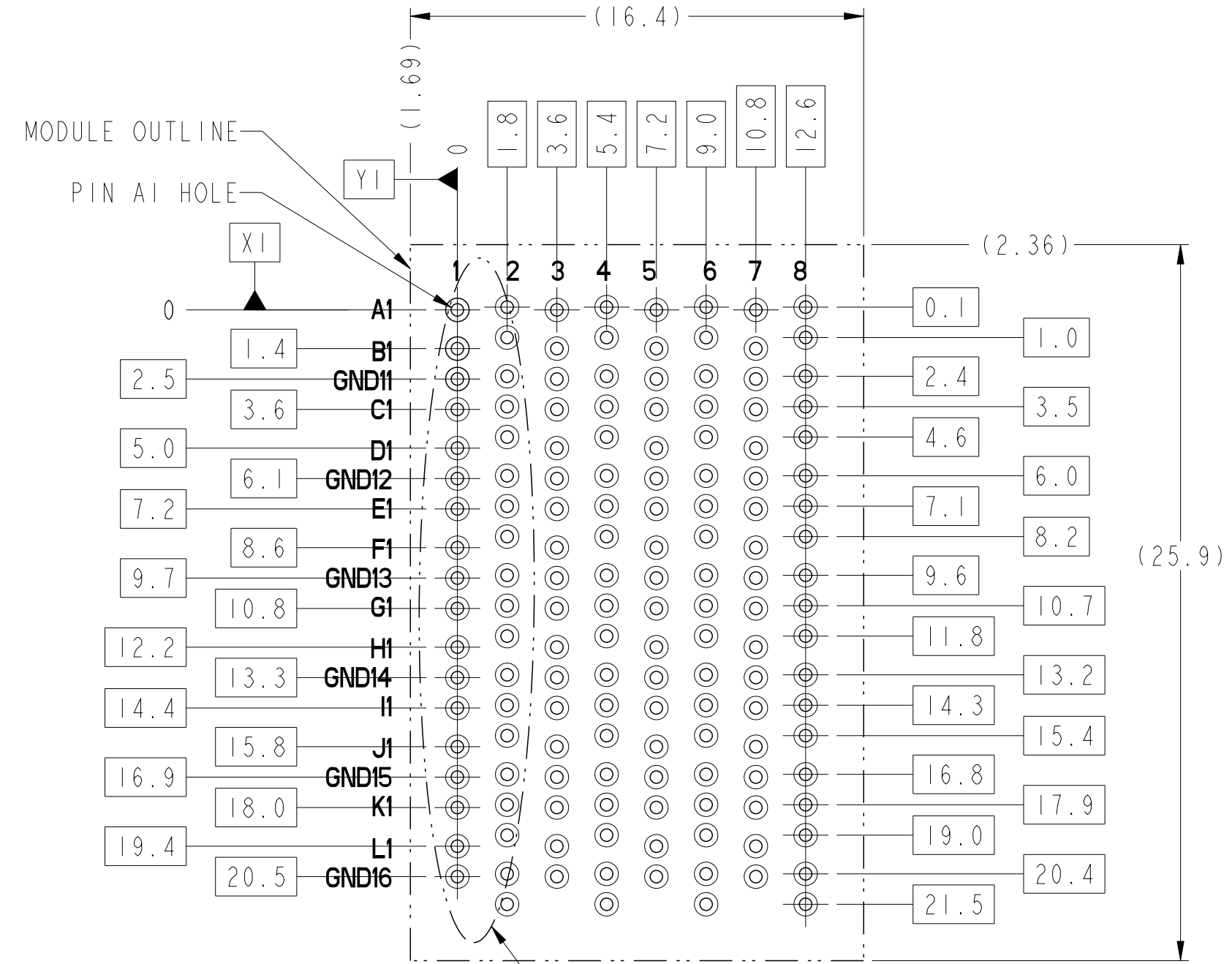
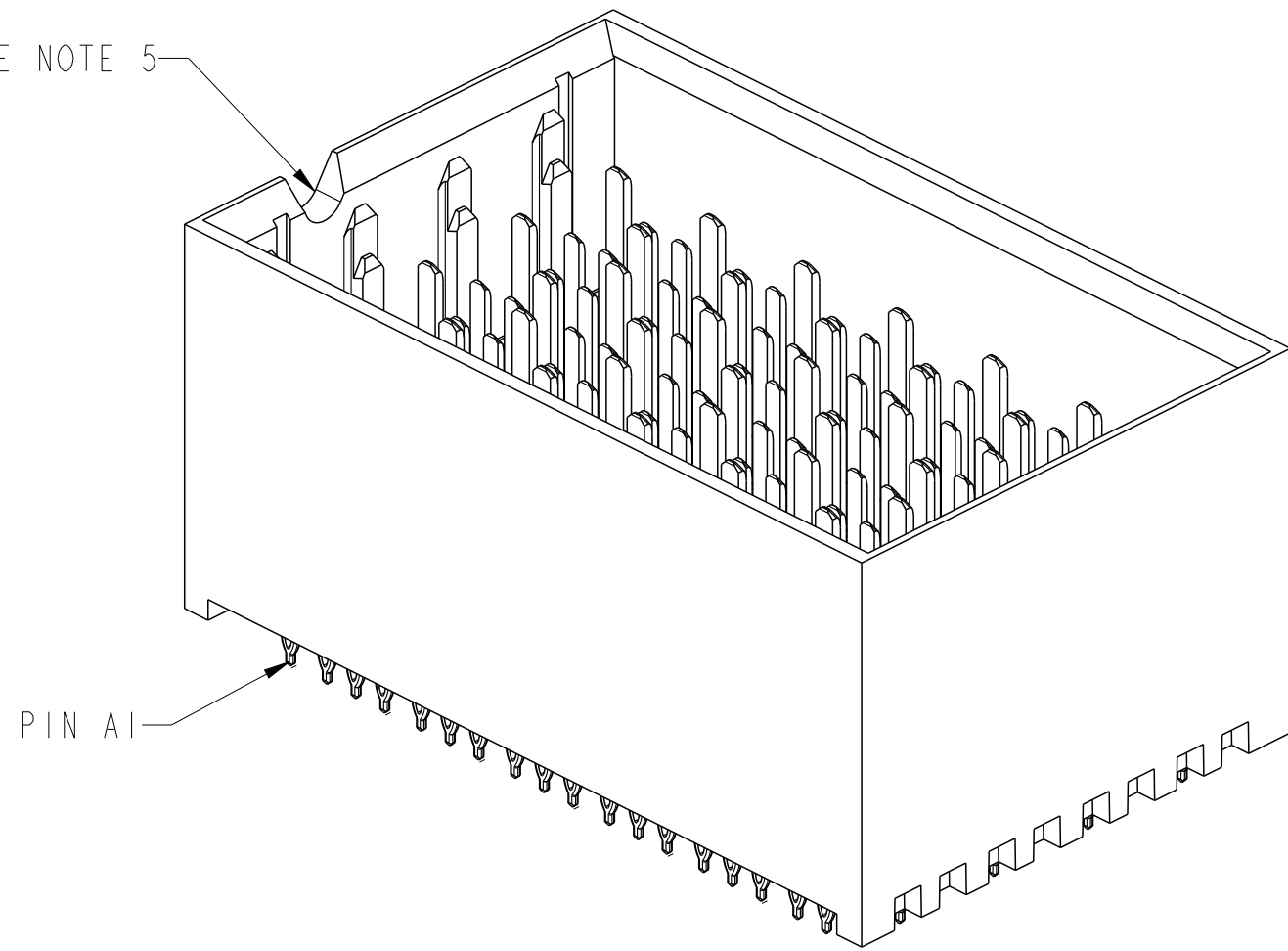
(5.2)
FOR 3MM WIPE SIGNAL
(4.2)
FOR 2MM WIPE SIGNAL

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



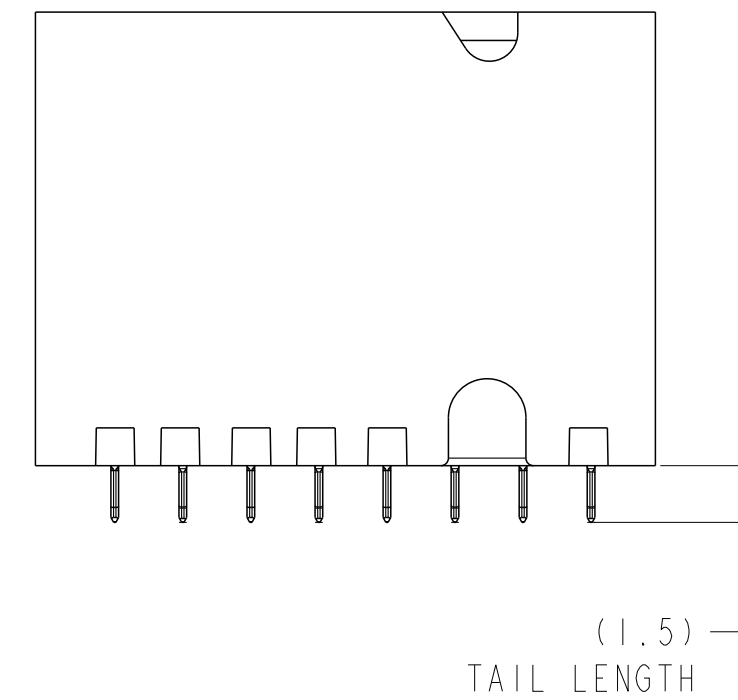
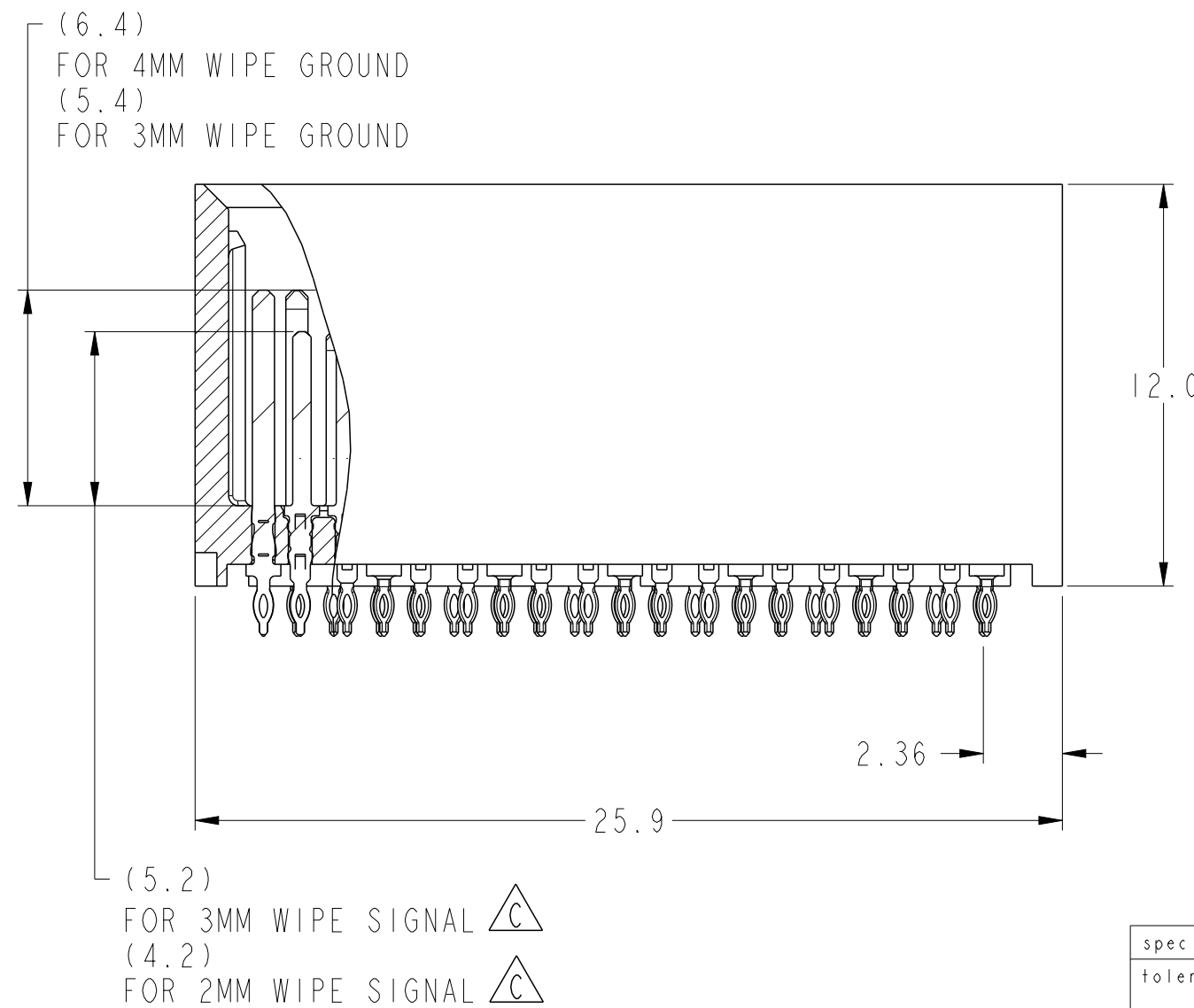
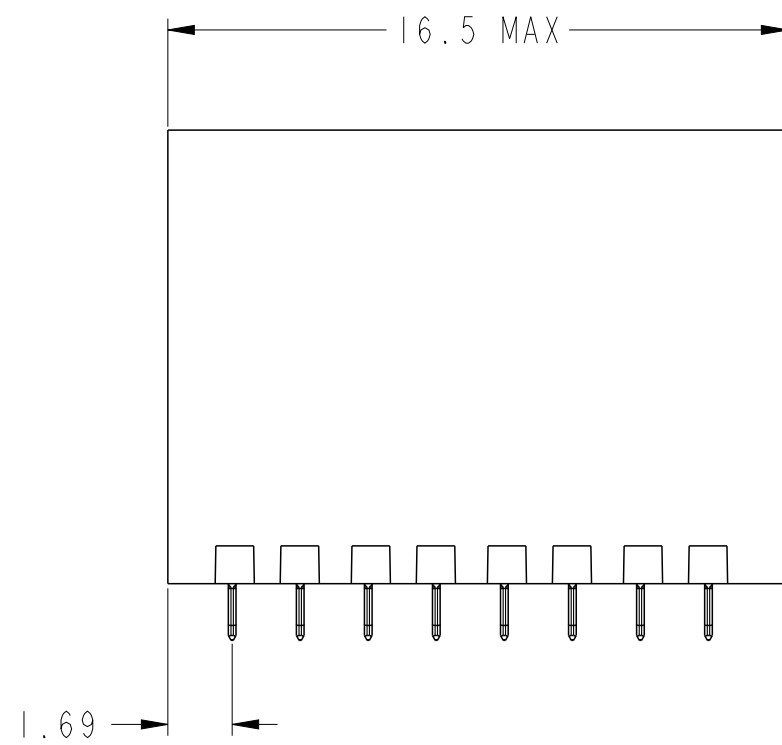
FOUR WALL MODULE

SEE NOTE 5

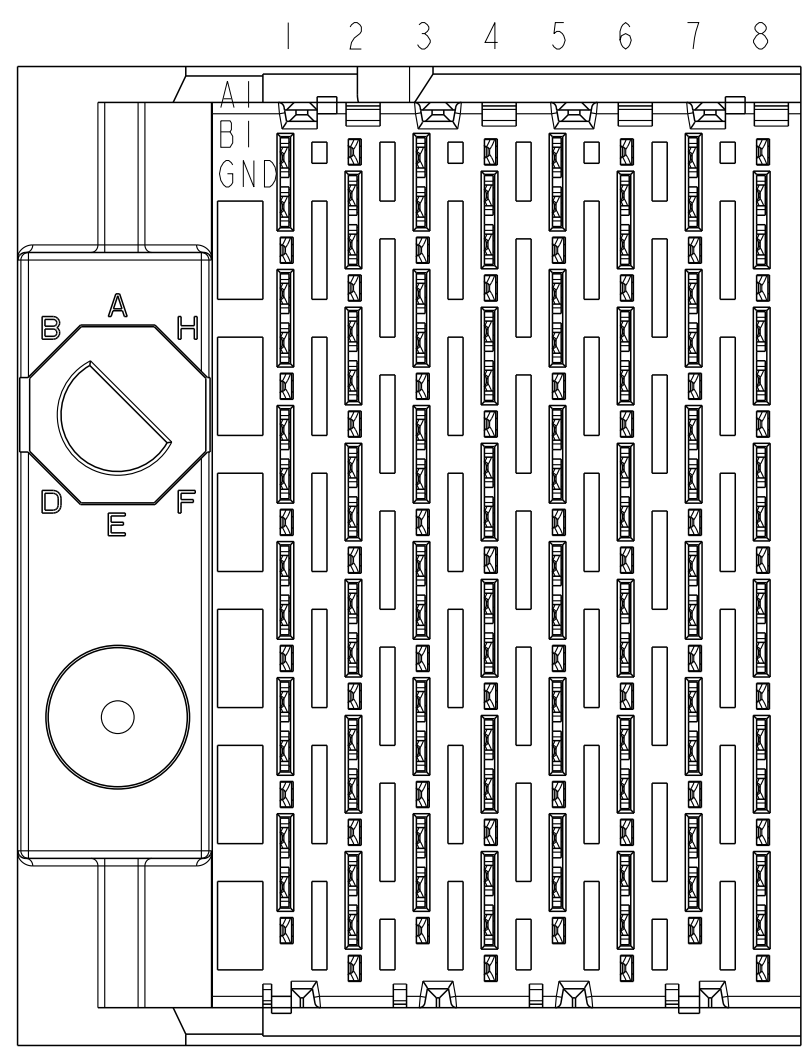


BP HOLE PATTERN COMPONENT SIDE

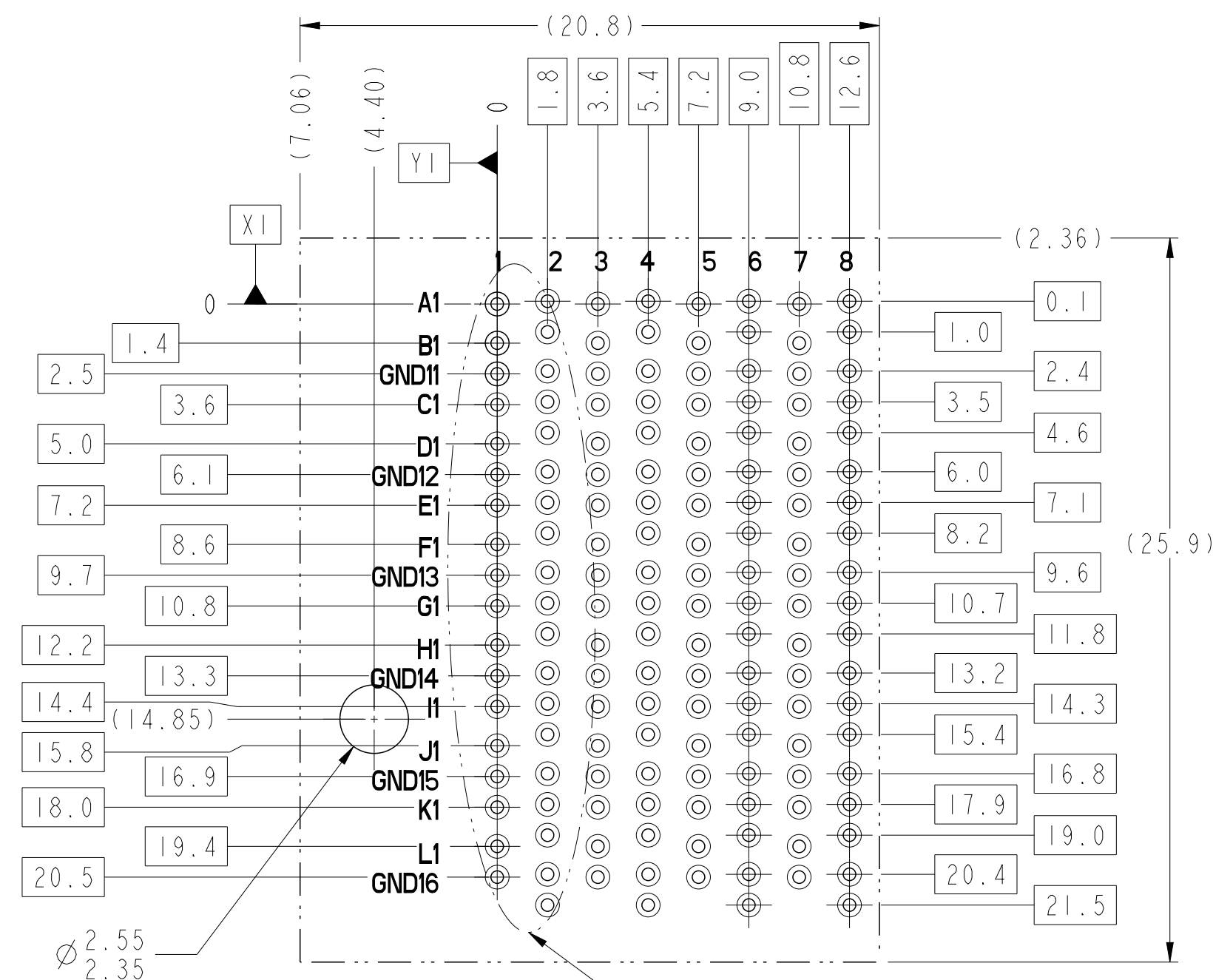
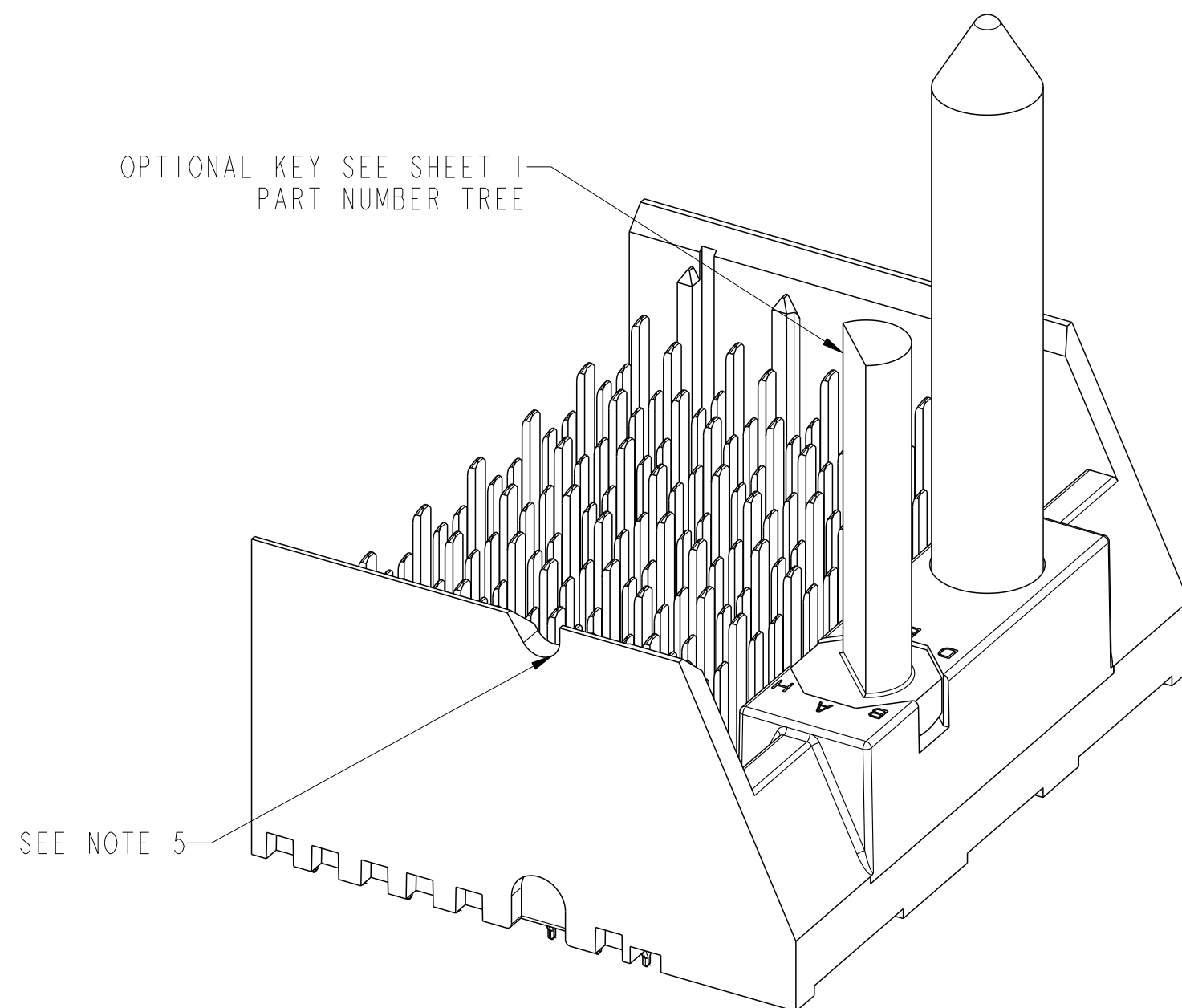
FOUR WALL MODULE BACKPLANE FOOTPRINT



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



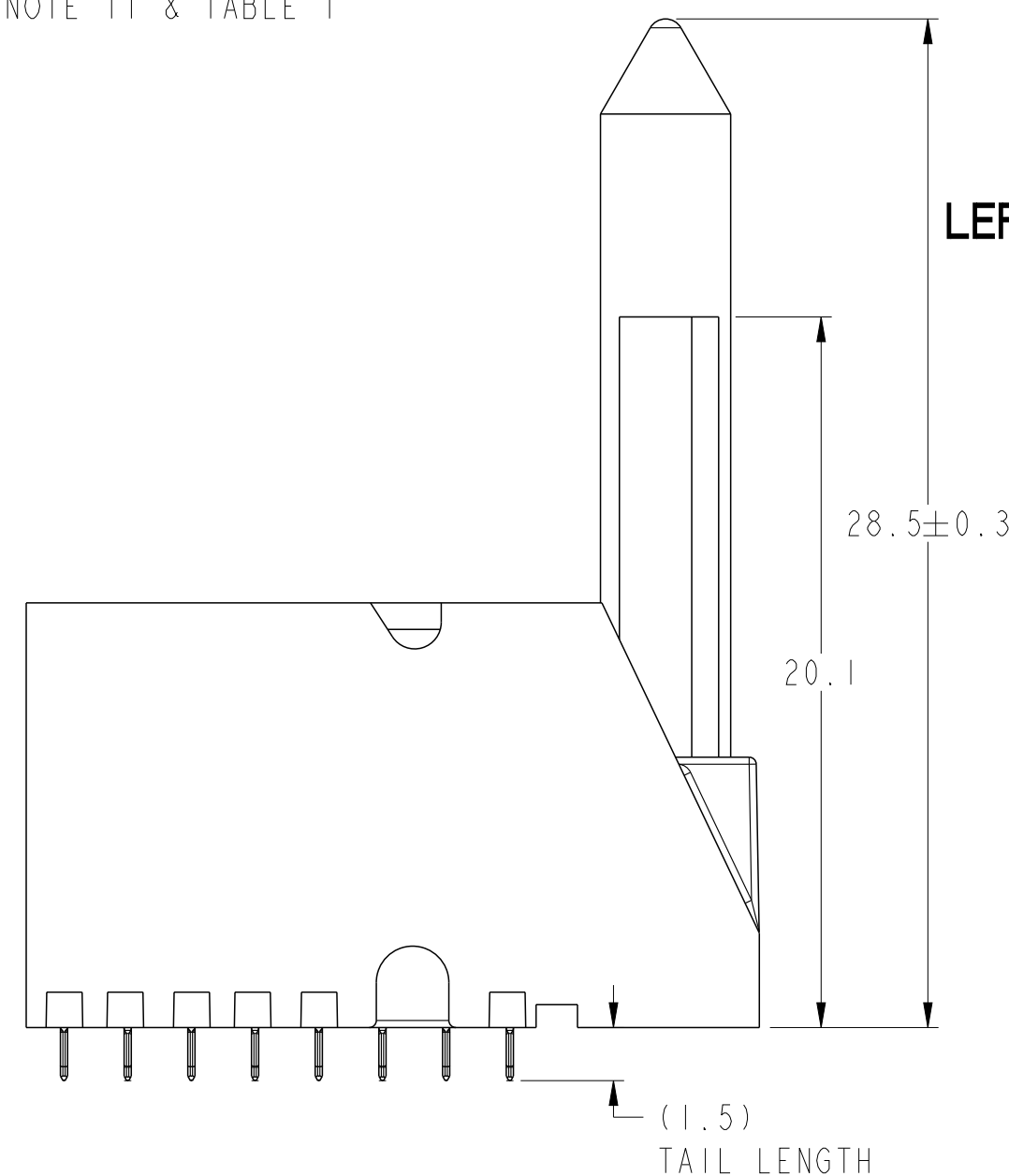
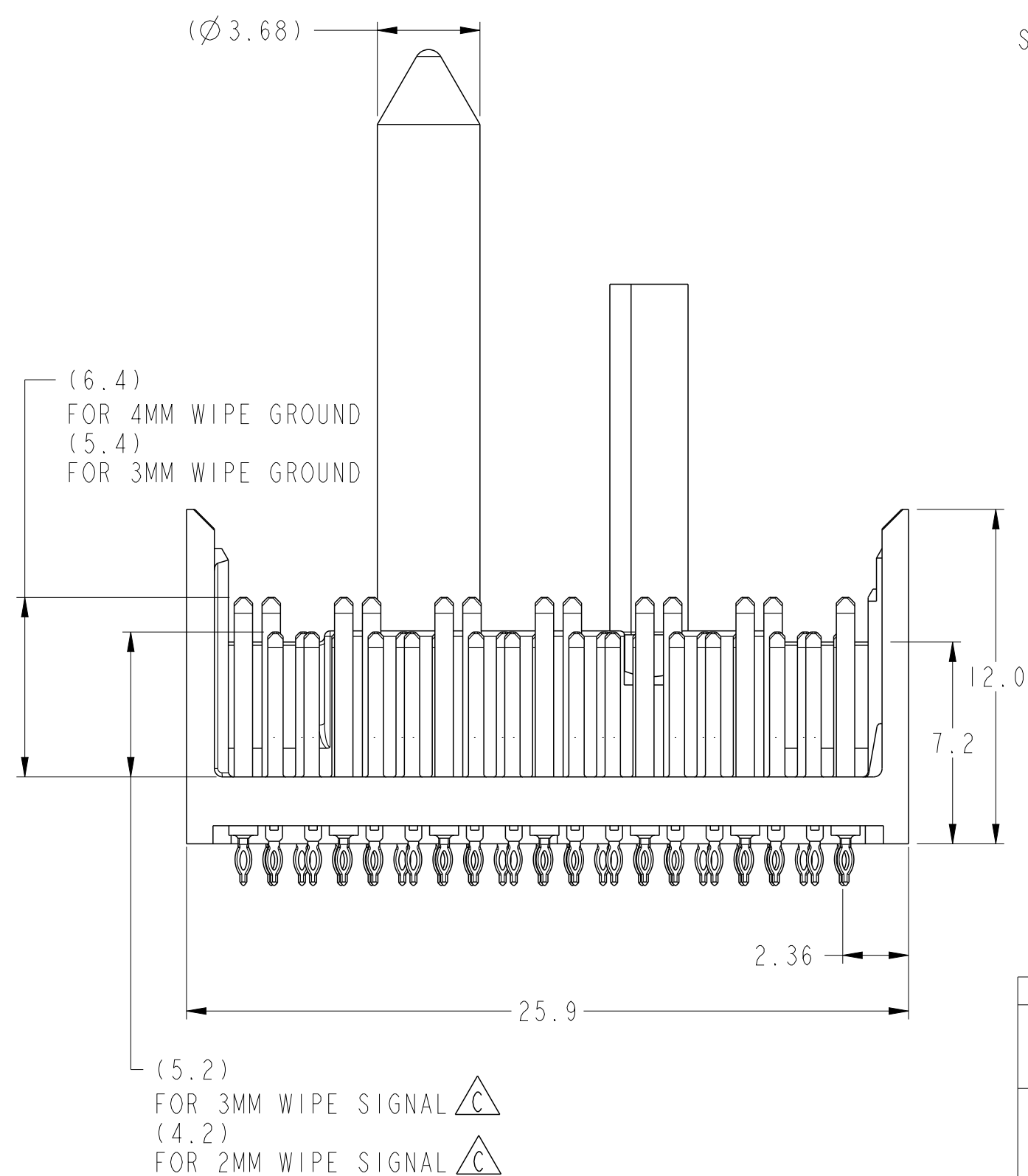
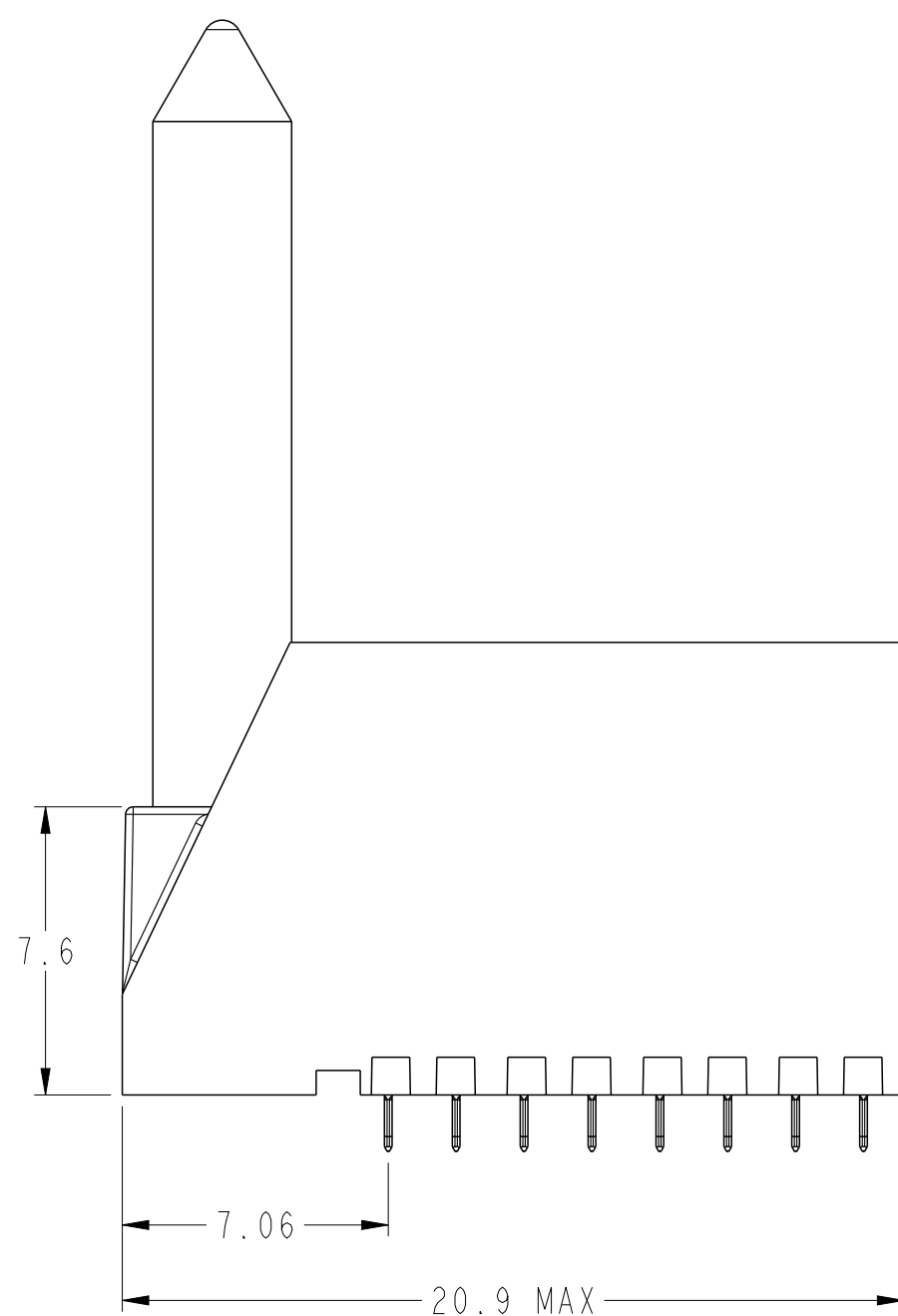
LEFT POLARIZING / GUIDE MODULE



SEE NOTE 11 & TABLE 1

SEE DETAIL A ON SHEET 8 FOR PINOUT DETAILS

BP HOLE PATTERN COMPONENT SIDE
LEFT POLARIZING GUIDE MODULE
BACKPLANE FOOTPRINT



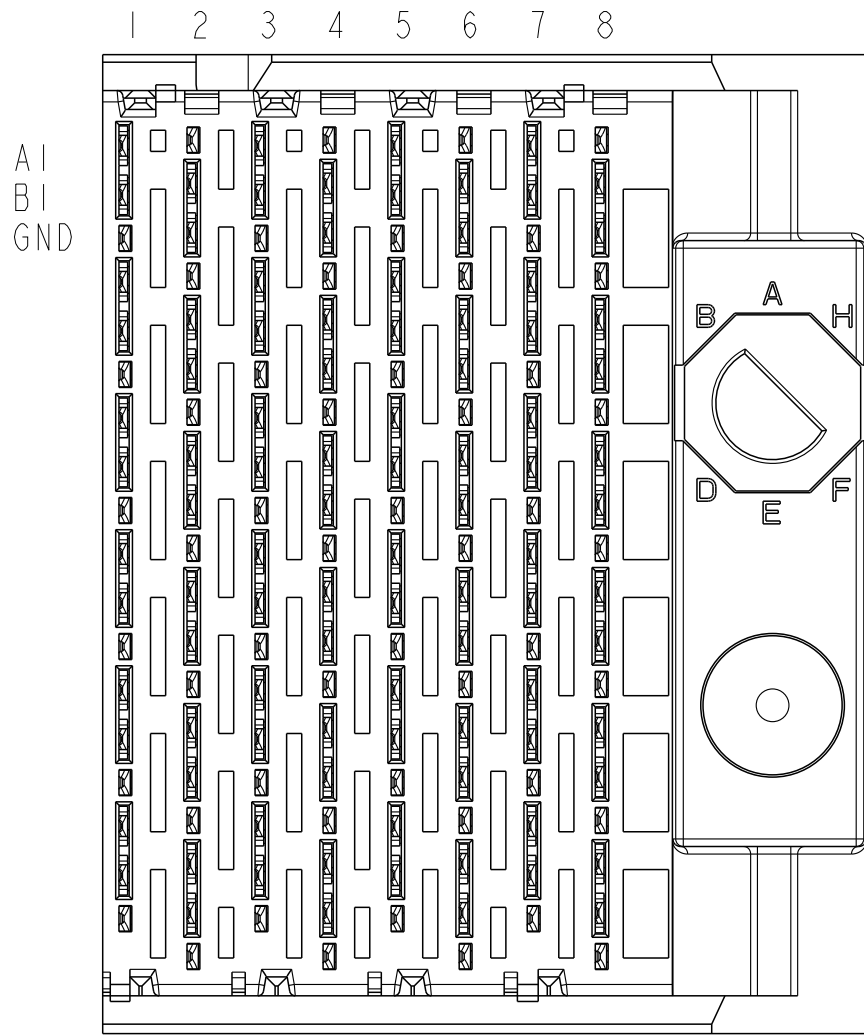
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tolerance std	-	eng	Sandar Soe	2016/03/08	chr	-	ecn no	ELX-S-17624-1		
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	appr	Chen-Hong Tan	2016/03/17	product family	XCEDE HD	rel level	Released		
surface	linear	0.X	±0.3	0.XX	±0.10	0.XXX	±0.05	angular	0°	±2°
ASME Y14.5										

Amphenol FCI	VERTICAL HEADER ASSEMBLY	10120132	C
www.fci.com	XCEDE HD 6 PAIR, 8 COLUMN		
cat. no.	-	Product - Customer Drw	sheet 6 of 8

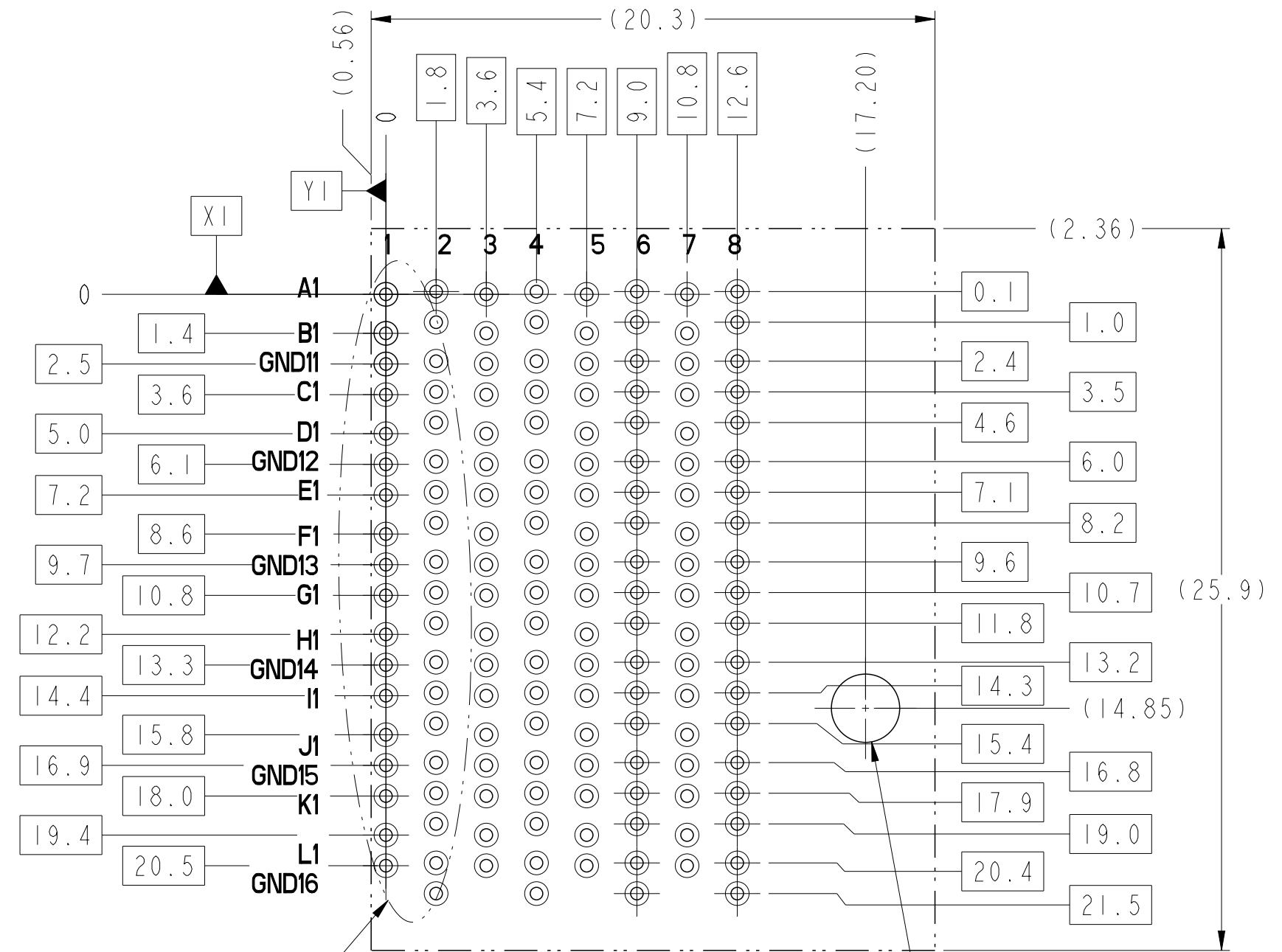
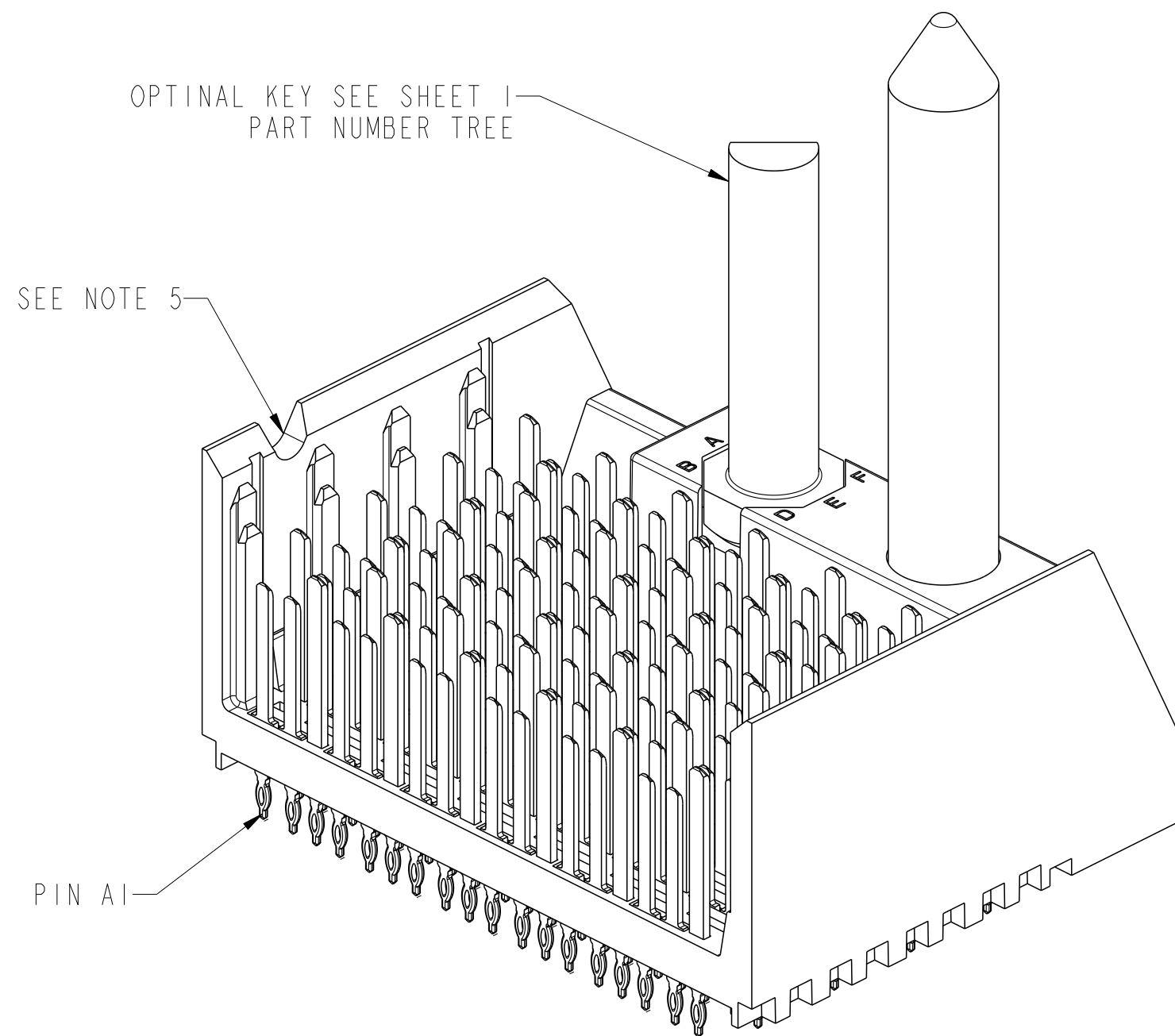
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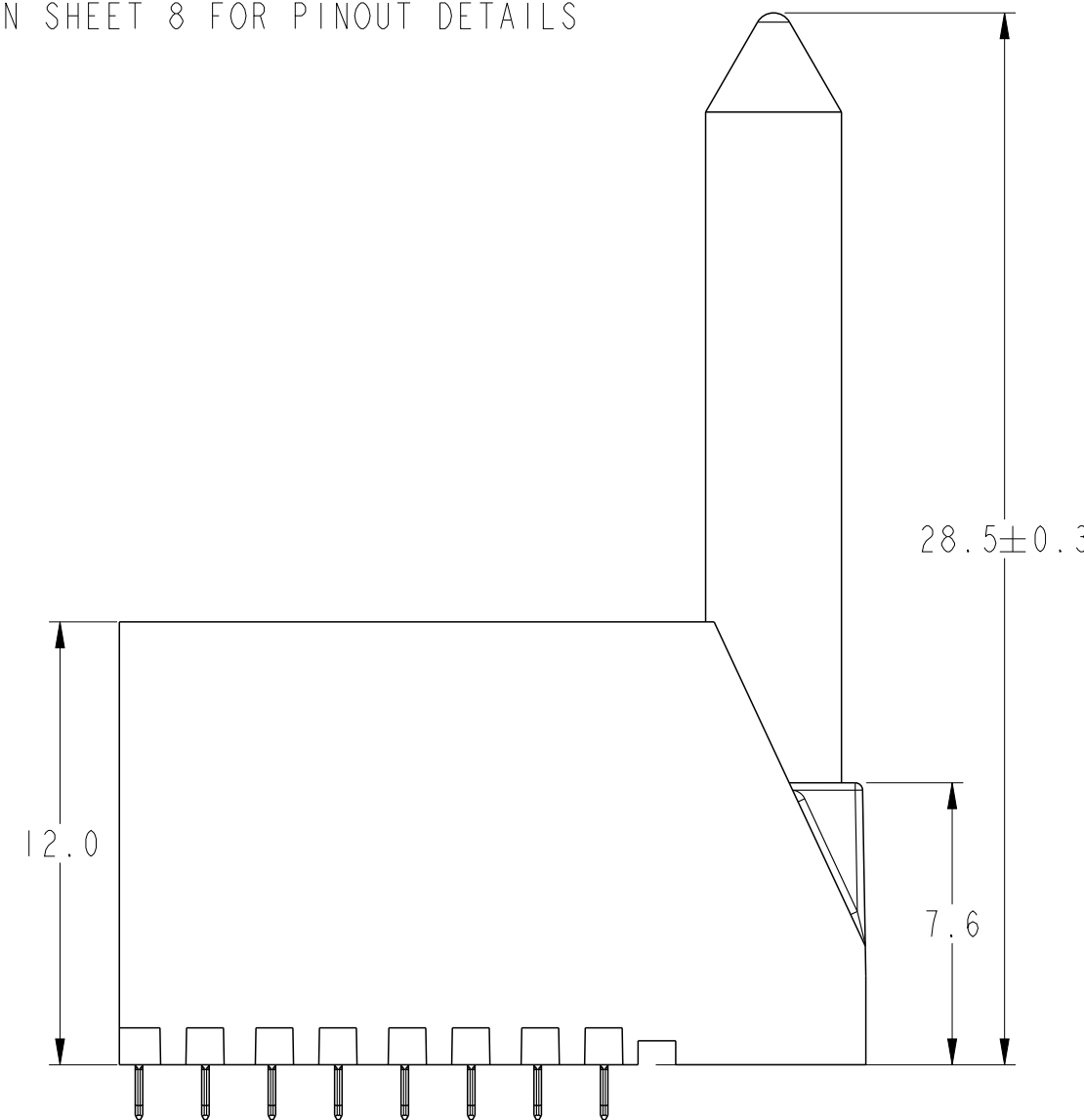
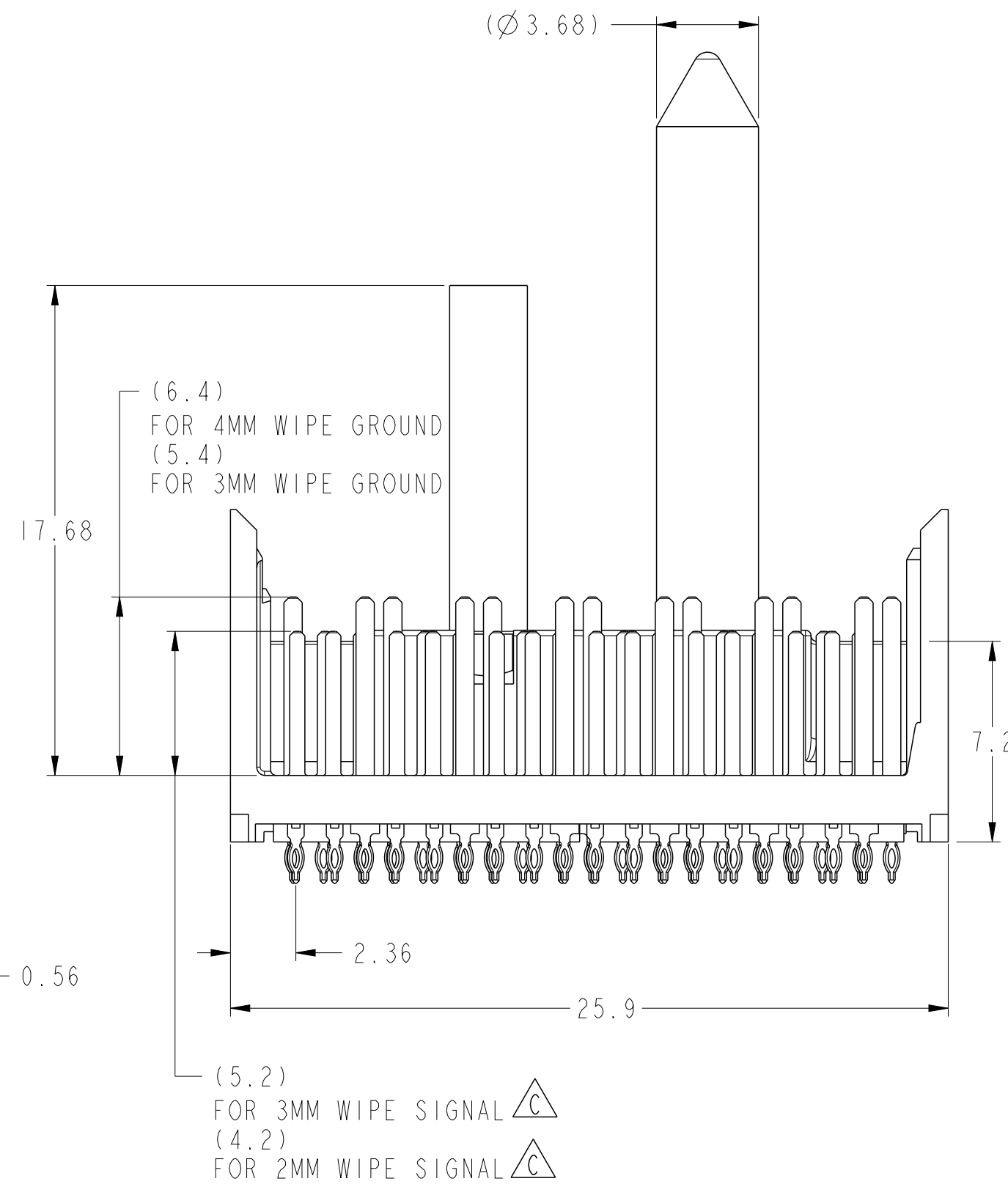
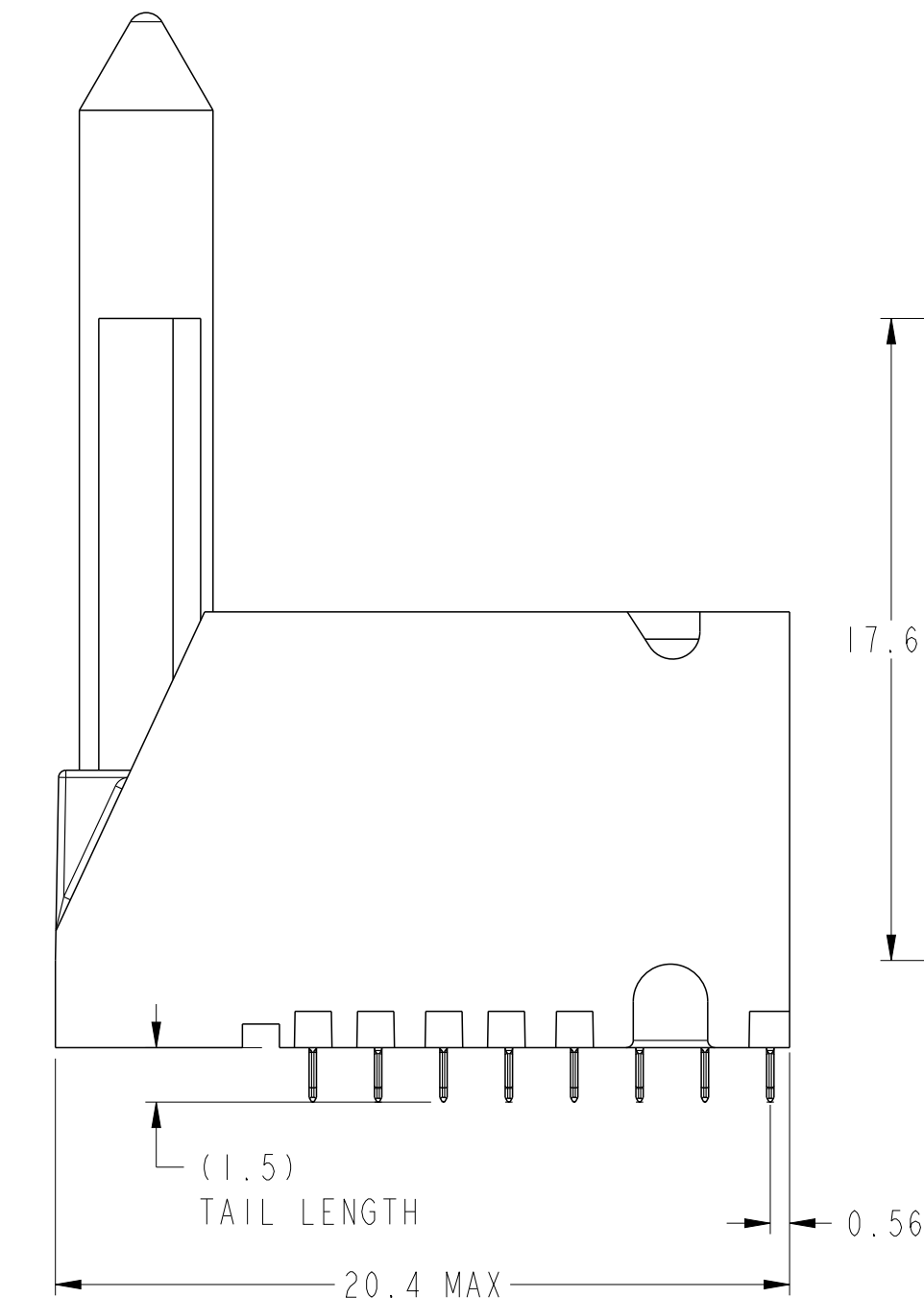
RIGHT POLARIZING GUIDE MODULE



SEE DETAIL A
ON SHEET 8 FOR PINOUT DETAILS

SEE NOTE 11 & TABLE I

BP HOLE PATTERN COMPONENT SIDE
RIGHT POLARIZING GUIDE MODULE
BACKPLANE FOOTPRINT



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

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STATUS:Released

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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 (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  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				size		A2		scale		3:1	
tolerance std		-		eng		Sandar Soe		2016/03/08								ecn no		ELX-S-47624-1							
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		-								product family		XCEDE HD		rel level		Released			
				appr		Chen-Hong Tan		2016/03/17																	
surface				linear		0.X		±0.3		Amphenol FCI		title		VERTICAL HEADER ASSEMBLY		dwg no		10120132		rev		C			
				0.XX		±0.10																			
				0.XXX		±0.05																			
ASME Y14.5				angular		0°		±2°		www.fci.com		cat. no.		-		Product-		Customer Drw		sheet 8 of 8					

Mouser Electronics

Authorized Distributor

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FCI / Amphenol:

<u>10120132-W0E-80DLF</u>	<u>10120132-F0E-40DLF</u>	<u>10120132-G0E-20DLF</u>	<u>10120132-T0E-60DLF</u>	<u>10120132-S0E-10DLF</u>
<u>10120132-C0E-70DLF</u>	<u>10120132-G0E-70DLF</u>	<u>10120132-V0E-80DLF</u>	<u>10120132-W0E-50DLF</u>	<u>10120132-T0E-30DLF</u>
<u>10120132-L0E-80DLF</u>	<u>10120132-U0E-60DLF</u>	<u>10120132-P0E-80DLF</u>	<u>10120132-D0E-20DLF</u>	<u>10120132-U0E-20DLF</u>
<u>10120132-D0E-40DLF</u>	<u>10120132-D0E-30DLF</u>	<u>10120132-E0E-10DLF</u>	<u>10120132-A0E-20DLF</u>	<u>10120132-B0E-50DLF</u>
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<u>10120132-E0E-50DLF</u>	<u>10120132-B0E-80DLF</u>	<u>10120132-F0E-20DLF</u>	<u>10120132-L0E-40DLF</u>	<u>10120132-V0E-20DLF</u>
<u>10120132-P0E-20DLF</u>	<u>10120132-R0E-40DLF</u>	<u>10120132-D0E-10DLF</u>	<u>10120132-Q0E-40DLF</u>	<u>10120132-B0E-30DLF</u>
<u>10120132-A0E-50DLF</u>	<u>10120132-V0E-50DLF</u>	<u>10120132-G0E-60DLF</u>	<u>10120132-M0E-70DLF</u>	<u>10120132-A0E-80DLF</u>
<u>10120132-C0E-40DLF</u>	<u>10120132-U0E-70DLF</u>	<u>10120132-R0E-20DLF</u>	<u>10120132-U0E-30DLF</u>	<u>10120132-W0E-40DLF</u>
<u>10120132-J0E-50DLF</u>	<u>10120132-S0E-30DLF</u>	<u>10120132-Q0E-70DLF</u>	<u>10120132-H0E-30DLF</u>	<u>10120132-L0E-50DLF</u>
<u>10120132-10E-50DLF</u>	<u>10120132-L0E-20DLF</u>	<u>10120132-00E-70DLF</u>	<u>10120132-S0E-70DLF</u>	<u>10120132-A0E-10DLF</u>
<u>10120132-T0E-10DLF</u>	<u>10120132-T0E-80DLF</u>	<u>10120132-F0E-30DLF</u>	<u>10120132-Y0E-80DLF</u>	<u>10120132-L0E-30DLF</u>
<u>10120132-E0E-30DLF</u>	<u>10120132-J0E-10DLF</u>	<u>10120132-M0E-60DLF</u>	<u>10120132-Q0E-30DLF</u>	<u>10120132-J0E-20DLF</u>
<u>10120132-00E-40DLF</u>	<u>10120132-H0E-20DLF</u>	<u>10120132-P0E-70DLF</u>	<u>10120132-R0E-10DLF</u>	<u>10120132-M0E-20DLF</u>
<u>10120132-00E-20DLF</u>	<u>10120132-W0E-70DLF</u>	<u>10120132-H0E-60DLF</u>	<u>10120132-E0E-80DLF</u>	<u>10120132-G0E-10DLF</u>
<u>10120132-G0E-30DLF</u>	<u>10120132-Q0E-20DLF</u>	<u>10120132-D0E-70DLF</u>	<u>10120132-00E-50DLF</u>	<u>10120132-A0E-40DLF</u>
<u>10120132-00E-80DLF</u>	<u>10120132-S0E-60DLF</u>	<u>10120132-J0E-30DLF</u>	<u>10120132-A0E-30DLF</u>	<u>10120132-S0E-80DLF</u>
<u>10120132-U0E-10DLF</u>	<u>10120132-B0E-40DLF</u>	<u>10120132-B0E-20DLF</u>	<u>10120132-E0E-40DLF</u>	<u>10120132-Y0E-40DLF</u>
<u>10120132-E0E-70DLF</u>	<u>10120132-D0E-50DLF</u>	<u>10120132-R0E-30DLF</u>	<u>10120132-V0E-70DLF</u>	<u>10120132-10E-30DLF</u>