

Amphenol
FCi

© 2016 AFCi

A
B
C
D
E
F

1 0 | 2 0 | 2 6 - X 0 J - X X X L F

4-COLUMN
DIFFERENTIAL
SIGNAL

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

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)	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

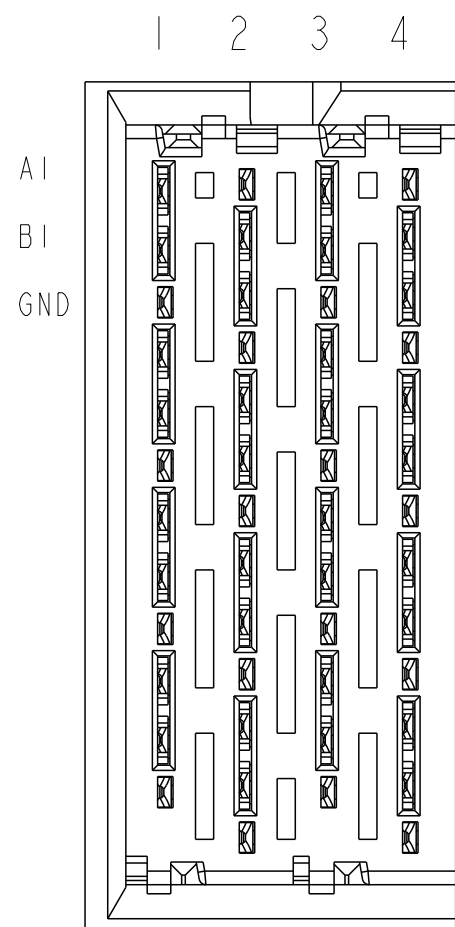
FOR CUSTOM-LOADED MODULES, SEE INDIVIDUAL CUSTOM DRAWINGS WITH THE DRAWING-NUMBER FORMAT OF 10120126-XXXX, WHERE: "X" DENOTES MODULE TYPE PER CHART ON THIS SHEET "YYYY" IS A SEQUENTIAL NUMBER BEGINNING WITH "0001".

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"

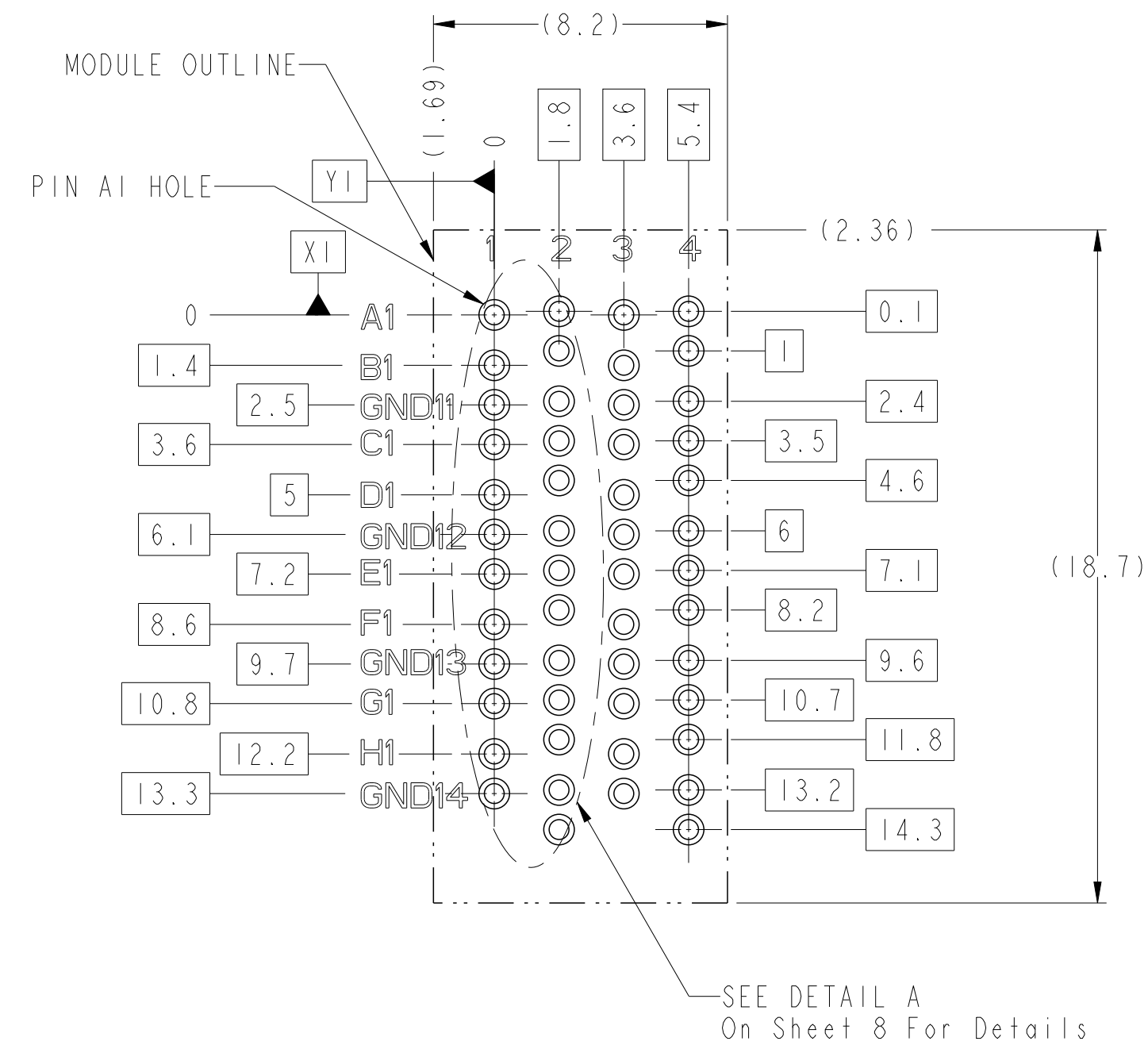
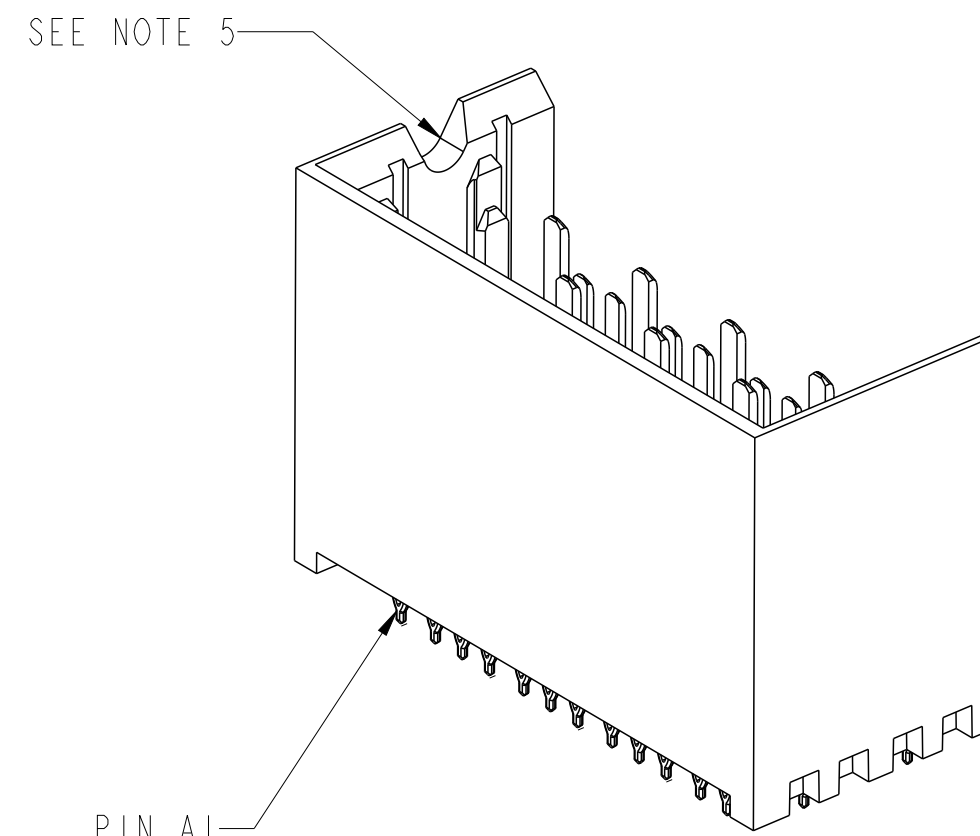
TABLE 2 (SEE NOTE 12)		
SCREW P/N	DESCRIPTION	BOARD THICKNESS
10091790-002LF	#2-56 X 0.375" LG. PHILIPS PANHEAD W/SQ CONICAL WASHER	1.60-5.00mm
10091790-003LF	#2-56 X 0.375" LG. PHILIPS PANHEAD W/SQ CONICAL WASHER	5.00-10.00mm

spec ref		-	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED	
ISO 406			
ISO 1101			
surface 	linear	0.X	±0.3
		0.XX	±0.10
		0.XXX	±0.05
	ISO 1302	angular	0°

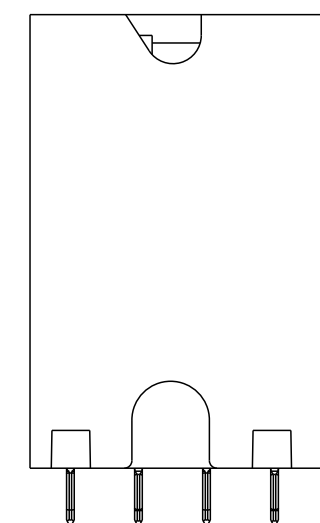
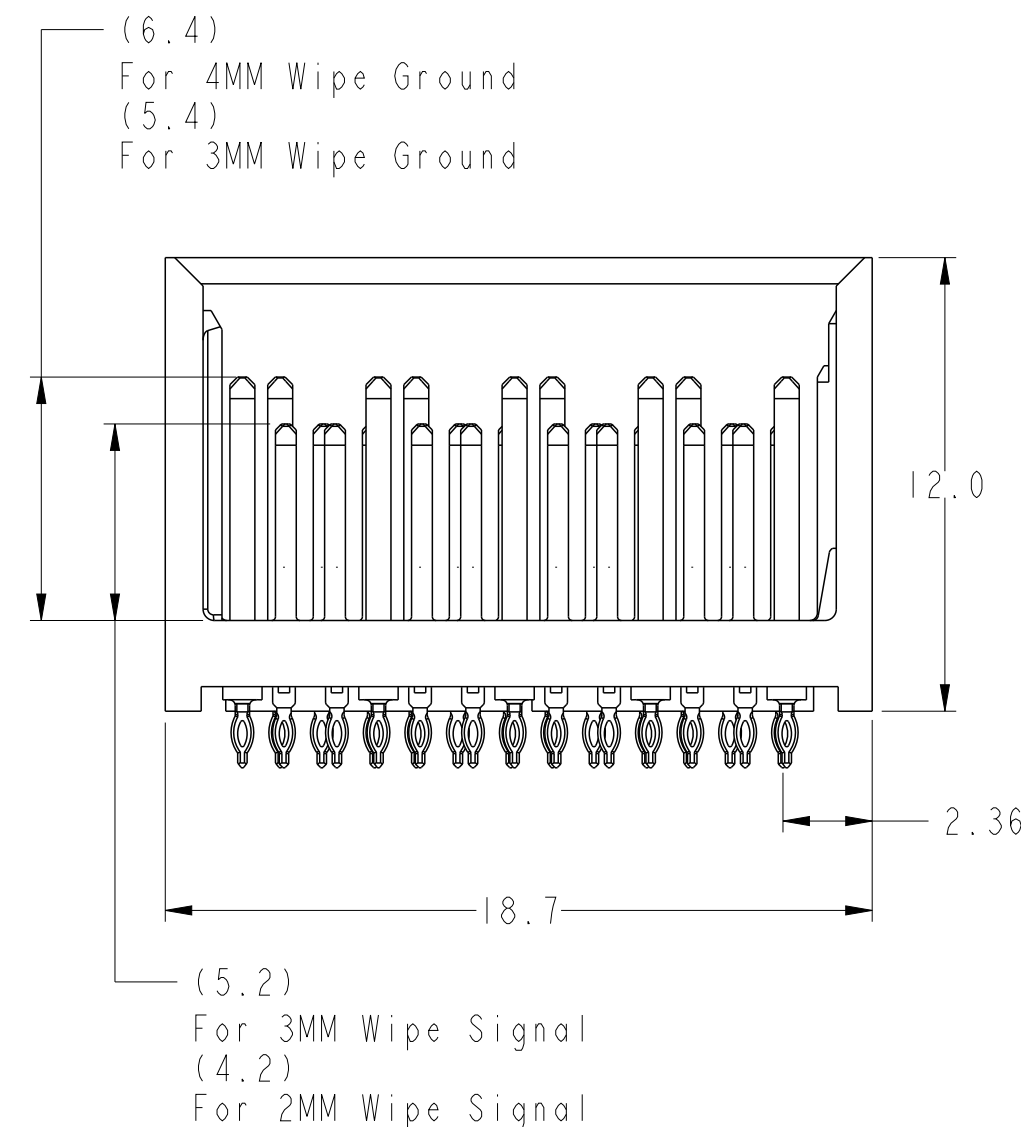
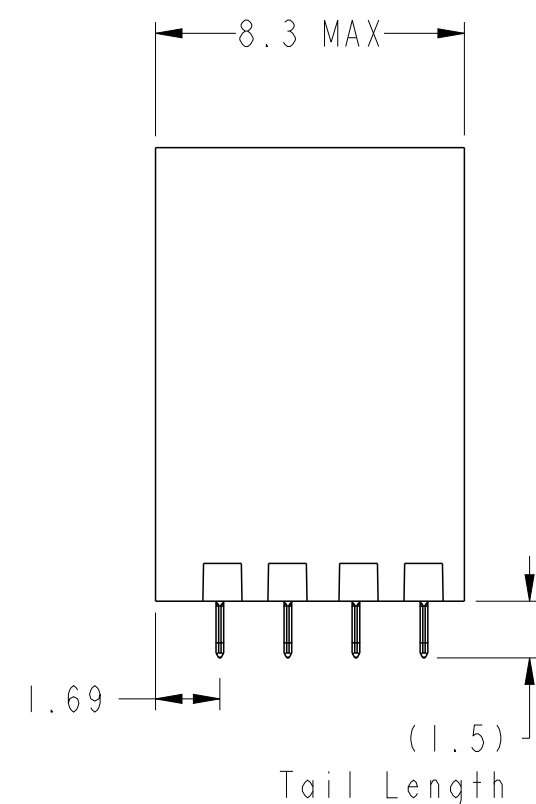
dr	Yong-Keat Lim	2012/03/05	projection	mm	size	A2	scale	1:1			
eng	Sandar Soe	2016/03/07			ecn no	ELX-S-17624-1					
chr	-	-				-					
appr	Chen-Hong Tan	2016/03/17	product family		-	rel level	Released				
Amphenol FCI		title			MODULE ASSEMBLY, XCEDE HD		drawing no	10120126			
www.fci.com		Vertical Header, 4 Pair 4 Column									
		cat. no.		Product - Customer Drw			sheet 1 of 8				
		PDS: Rev :C		STATUS:Released			Printed: Mar 17, 2016				



LEFT WALL MODULE



BP HOLE PATTERN COMPONENT SIDE
LEFT WALL MODULE BACKPLANE FOOTPRINT

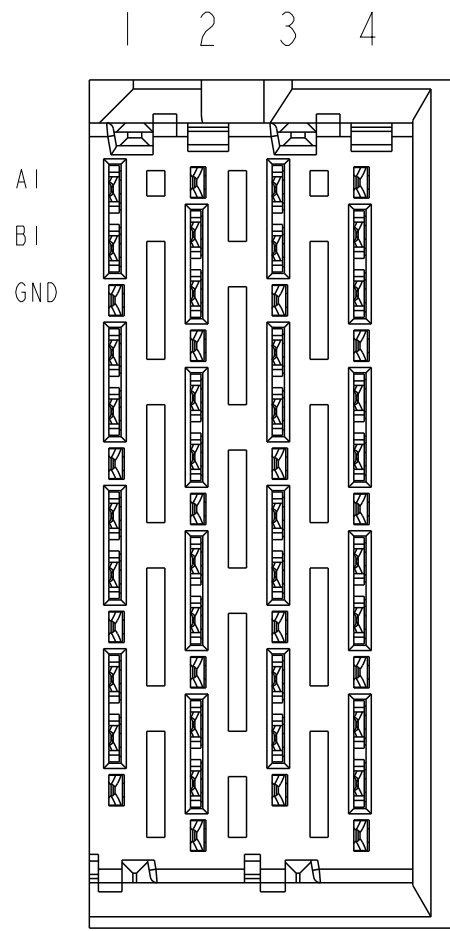


spec ref	-	dr	Yong-Keat Lim	2012/03/05	projection	mm	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2016/03/07	chr	-	ecn no	ELX-S-17624-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2016/03/17	product family	-	cat. no.	Product - Customer Drw	sheet 3 of 8	rev
TOLERANCES UNLESS OTHERWISE SPECIFIED		linear	0.X	±0.3	Amphenol FCI		MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 4 Column		10120126	
		linear	0.XX	±0.10						
		linear	0.XXX	±0.05						
		angular	0°	±2°	www.fci.com					

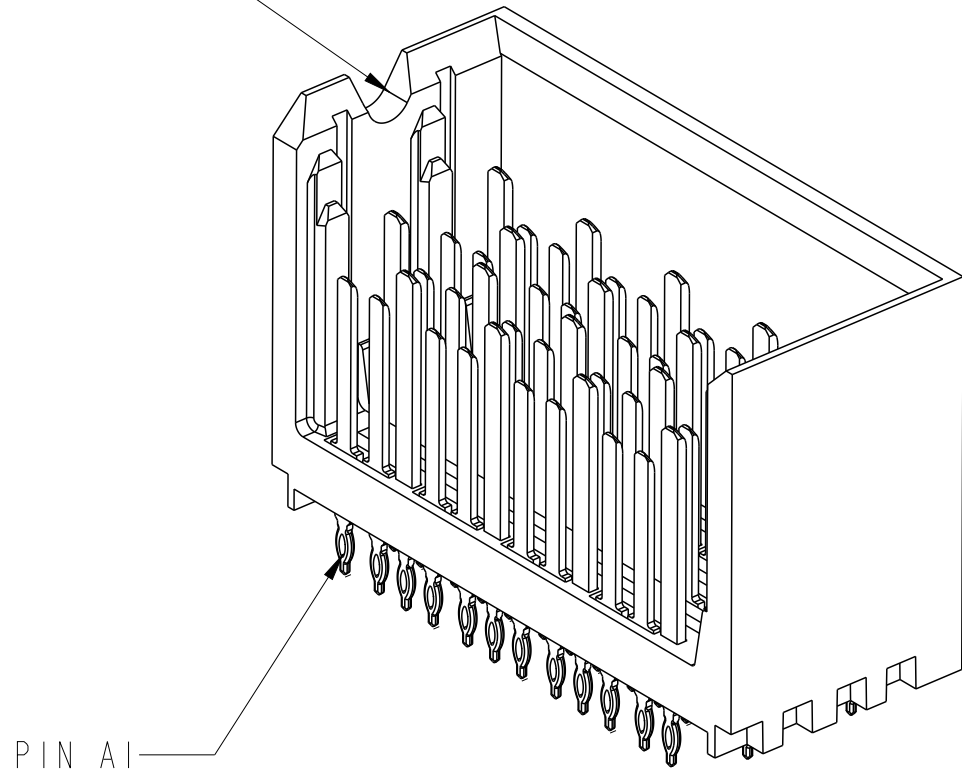
PDS: Rev :C

STATUS:Released

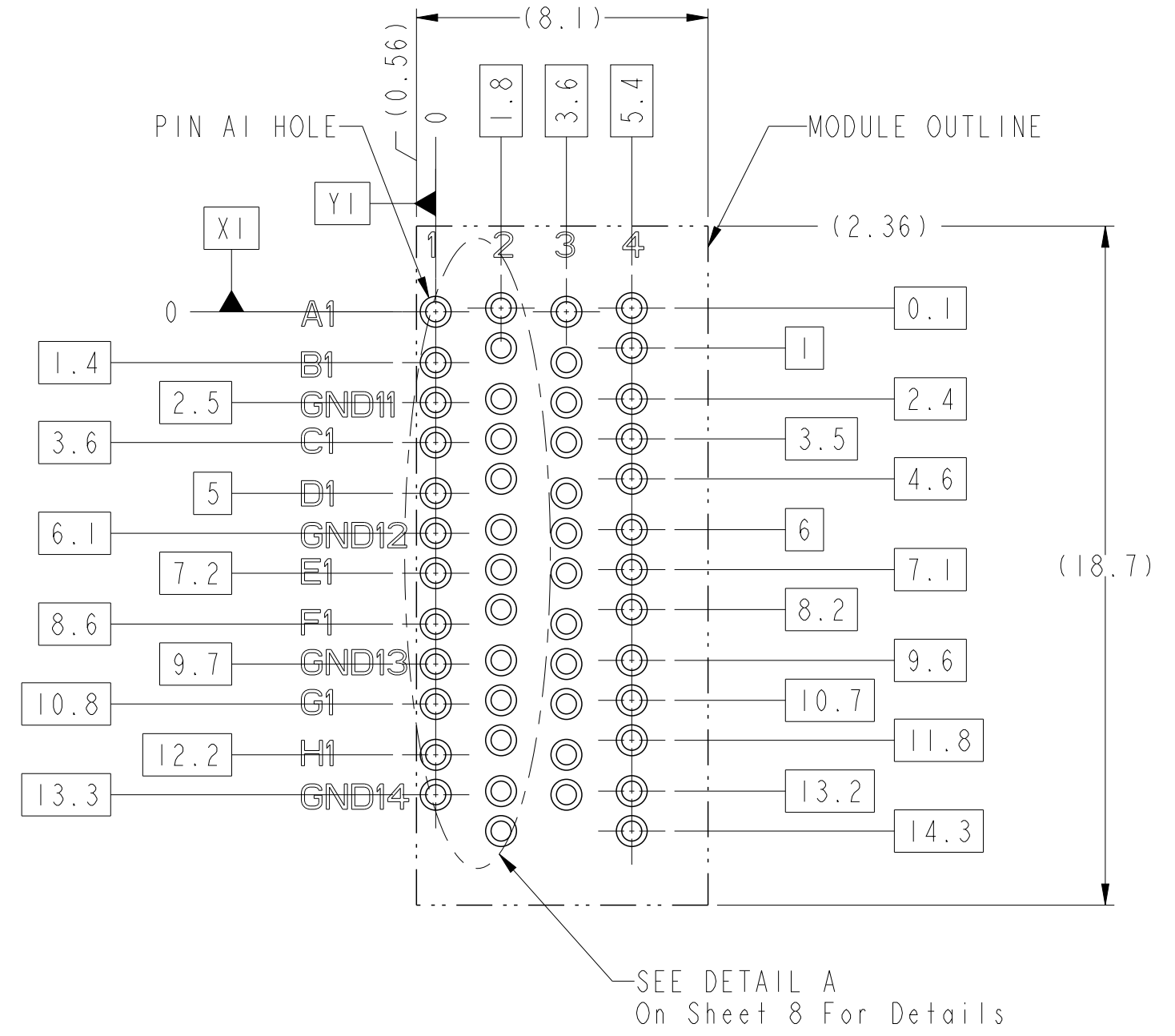
Printed: Mar 17, 2016



SEE NOTE 5

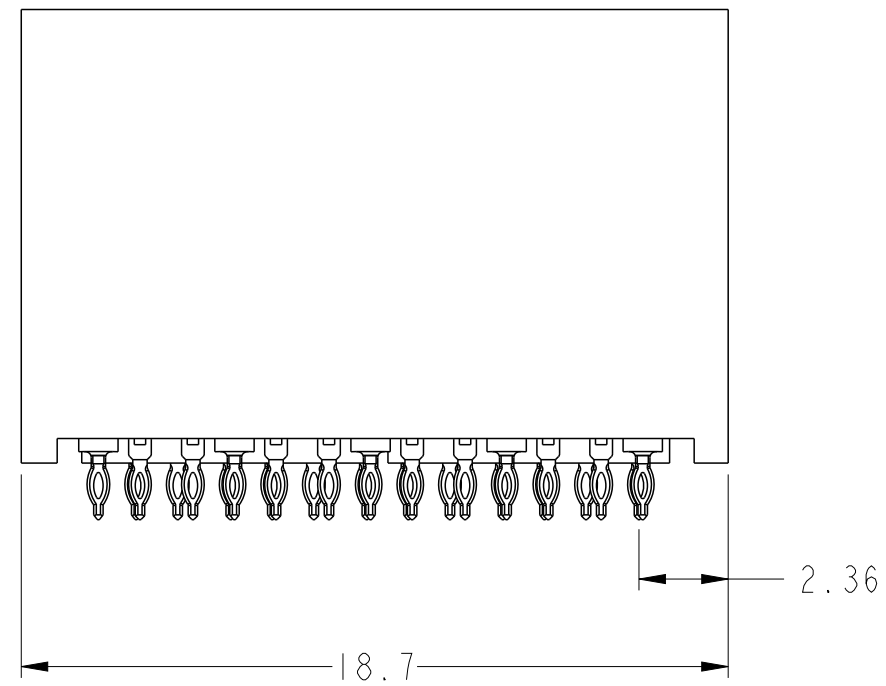
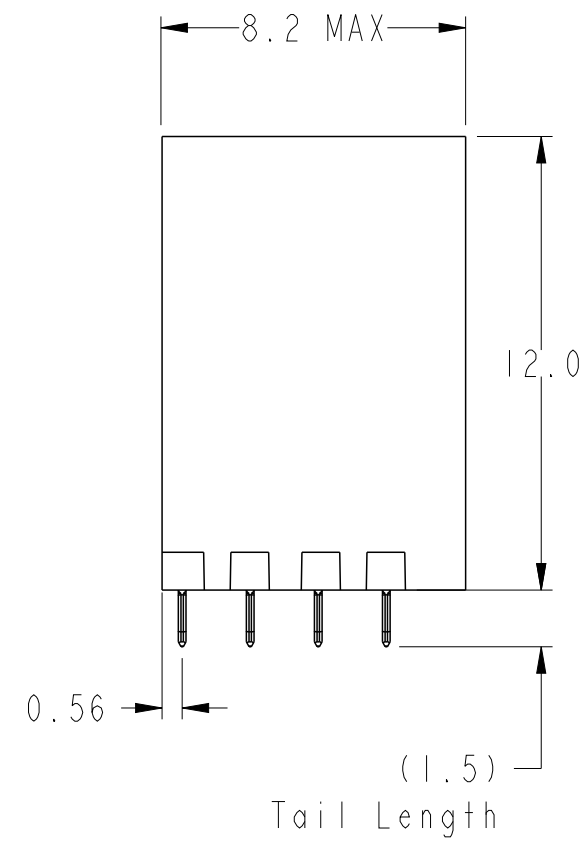
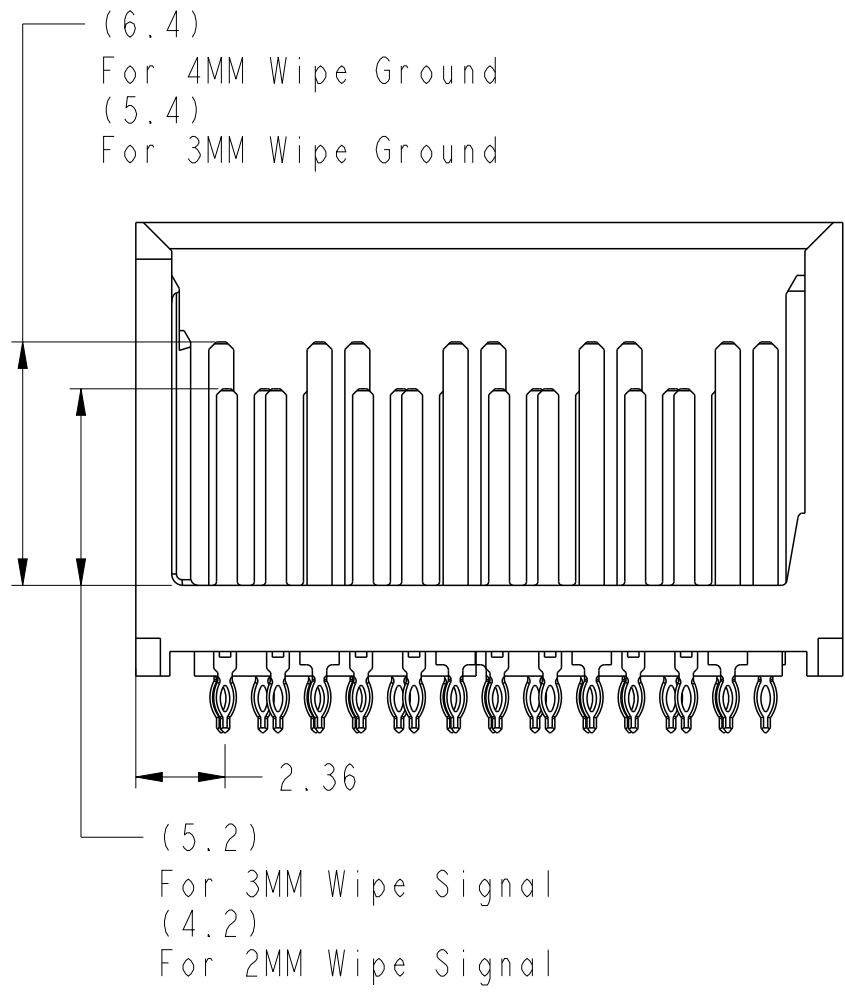


RIGHT WALL MODULE



BP HOLE PATTERN COMPONENT SIDE

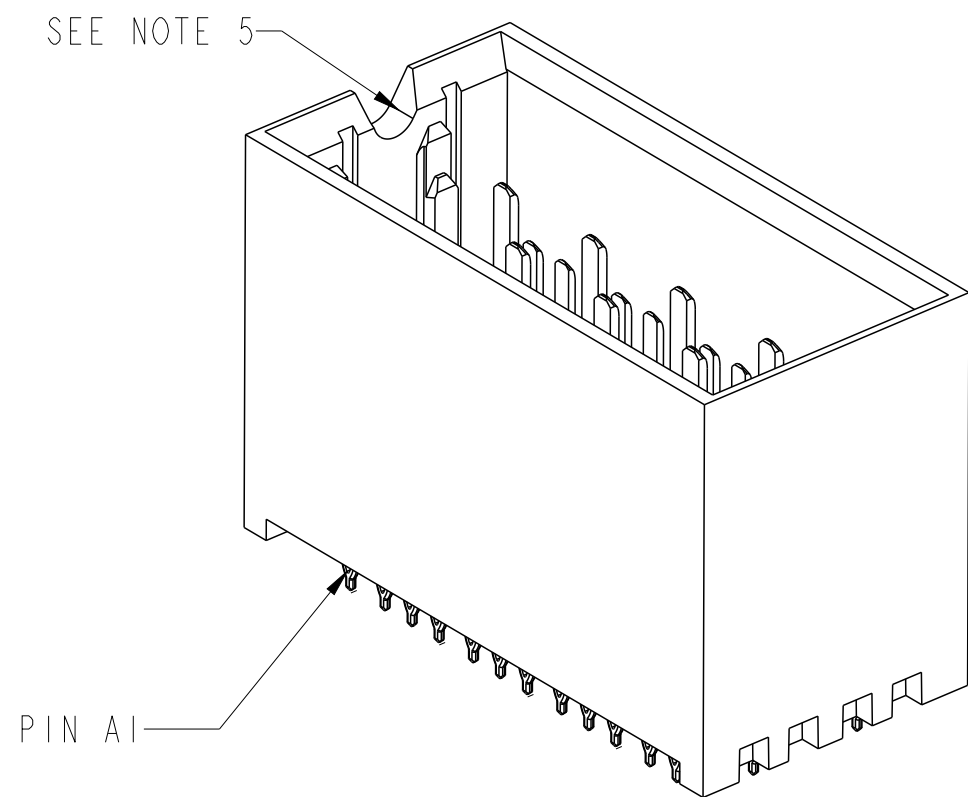
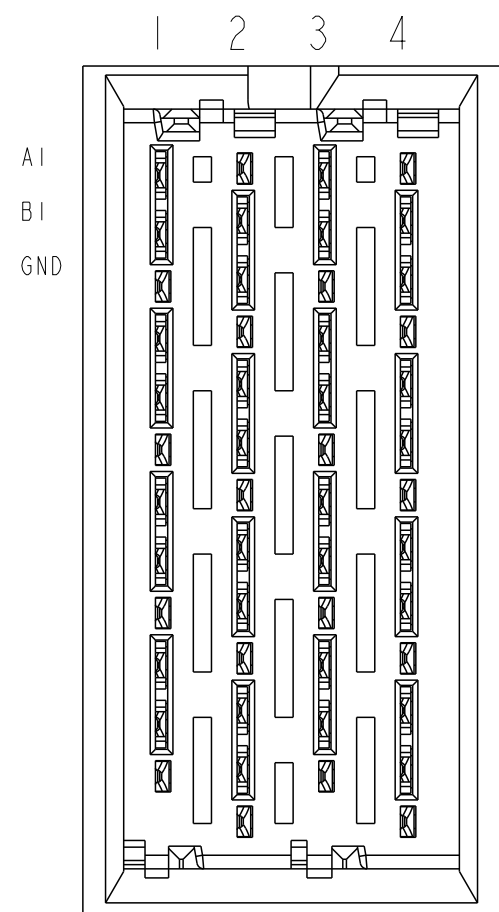
RIGHT WALL MODULE BACKPLANE FOOTPRINT



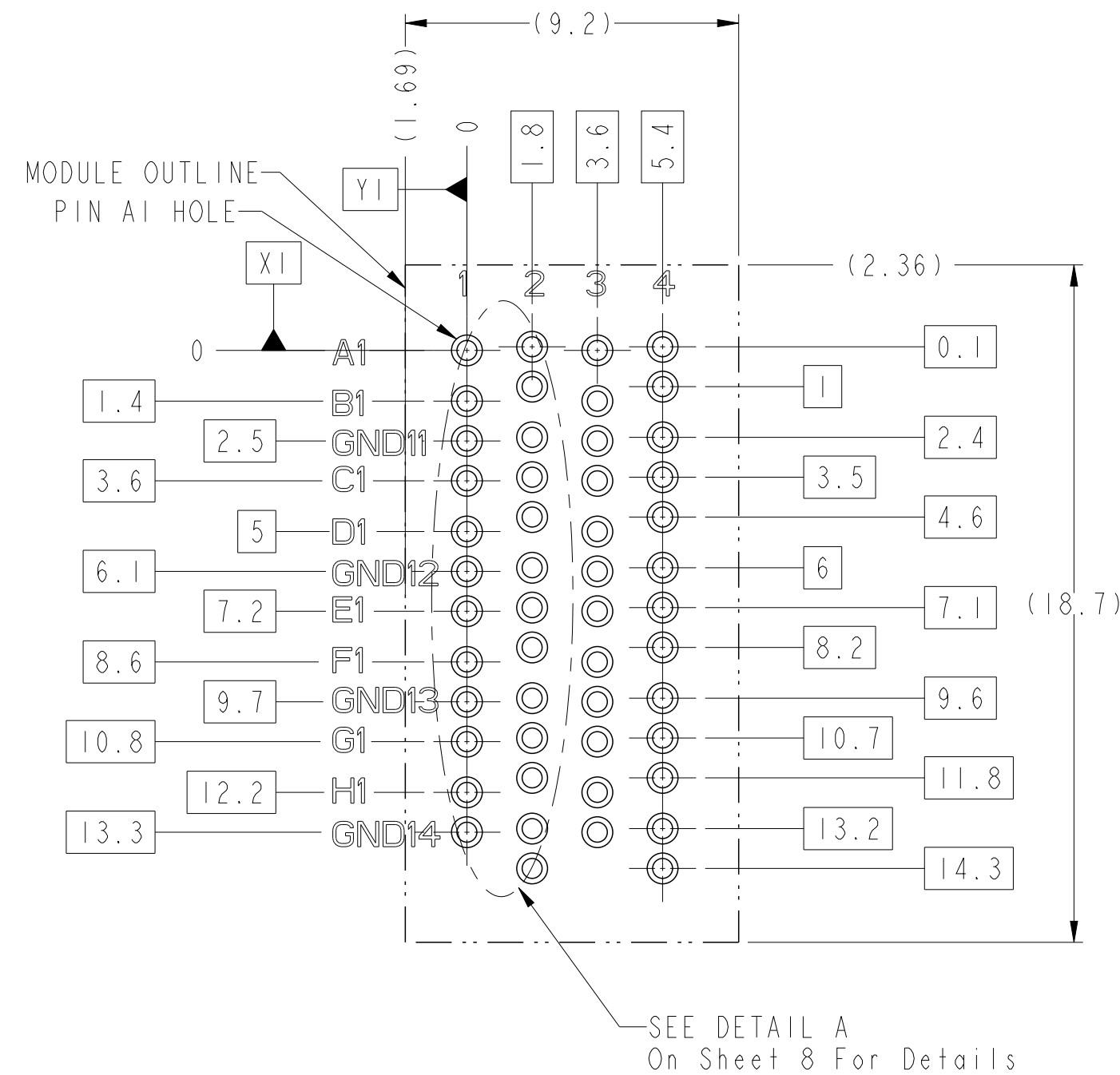
Amphenol
FCi

© 2016 AFCi

spec ref	-	dr	Yong-Keat Lim	2012/03/05	projection	mm	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2016/03/07	chr	-	ecn no	ELX-S-17624-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2016/03/17	product family	-	cat. no.	-	Product - Customer Drw	sheet 4 of 8
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	angular	0° ±2°	Amphenol FCi	title	MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 4 Column	dwg no	10120126	rev	C
PDS: Rev :C			STATUS:Released			Printed: Mar 17, 2016				

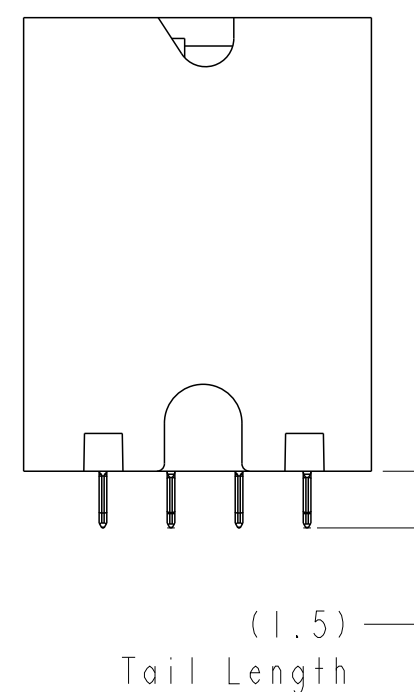
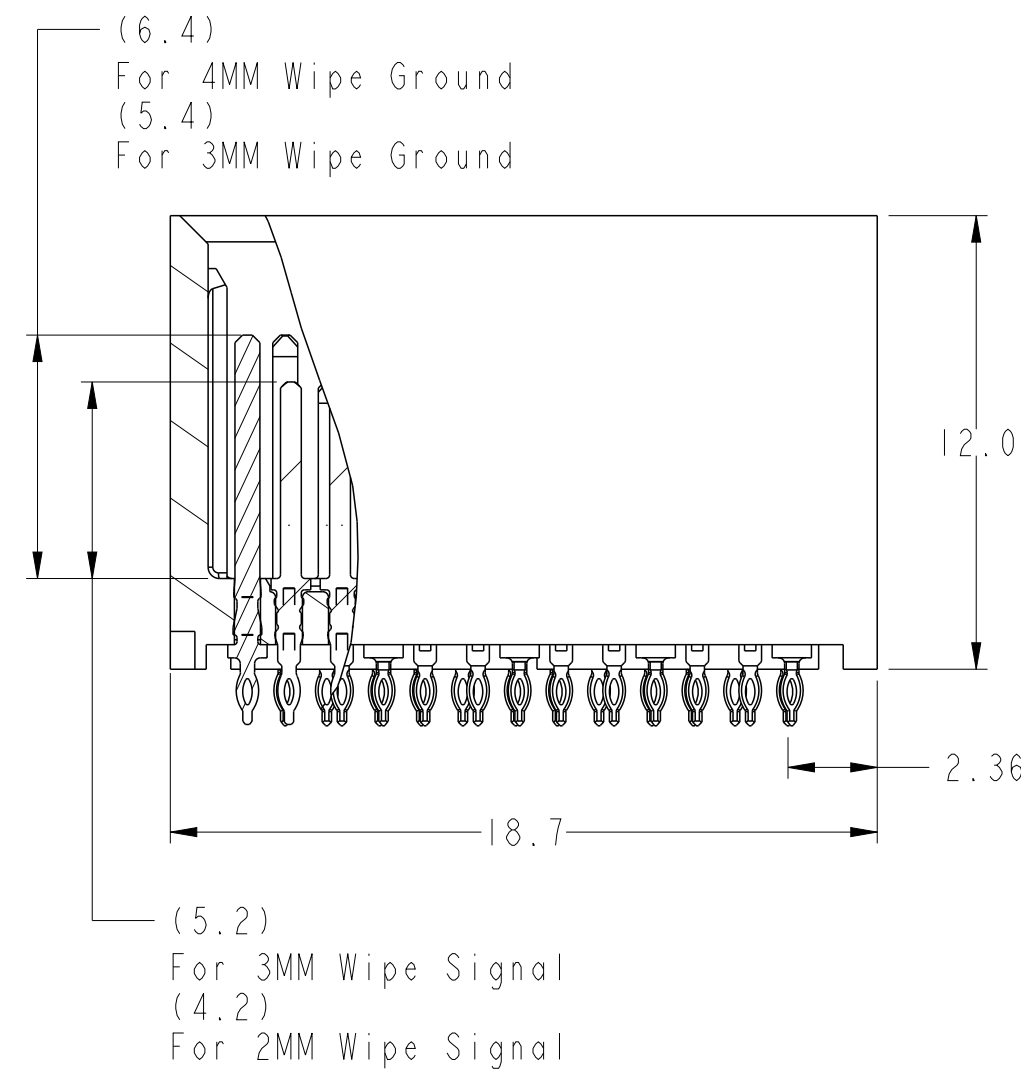
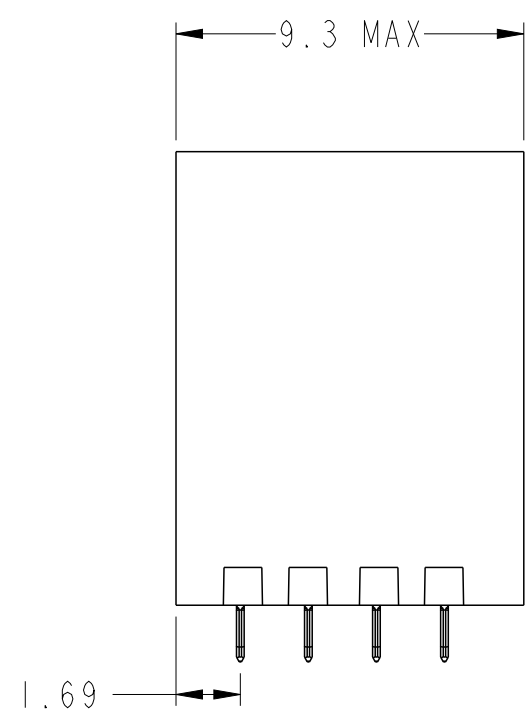


△ FOUR WALL MODULE

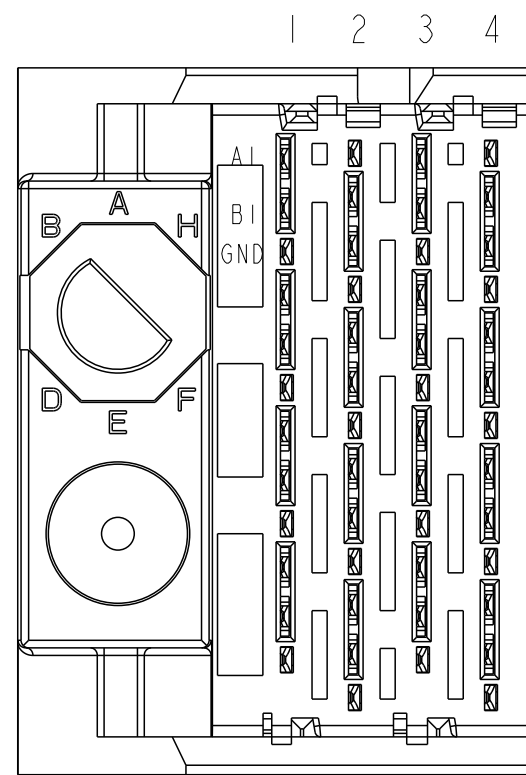


BP HOLE PATTERN COMPONENT SIDE

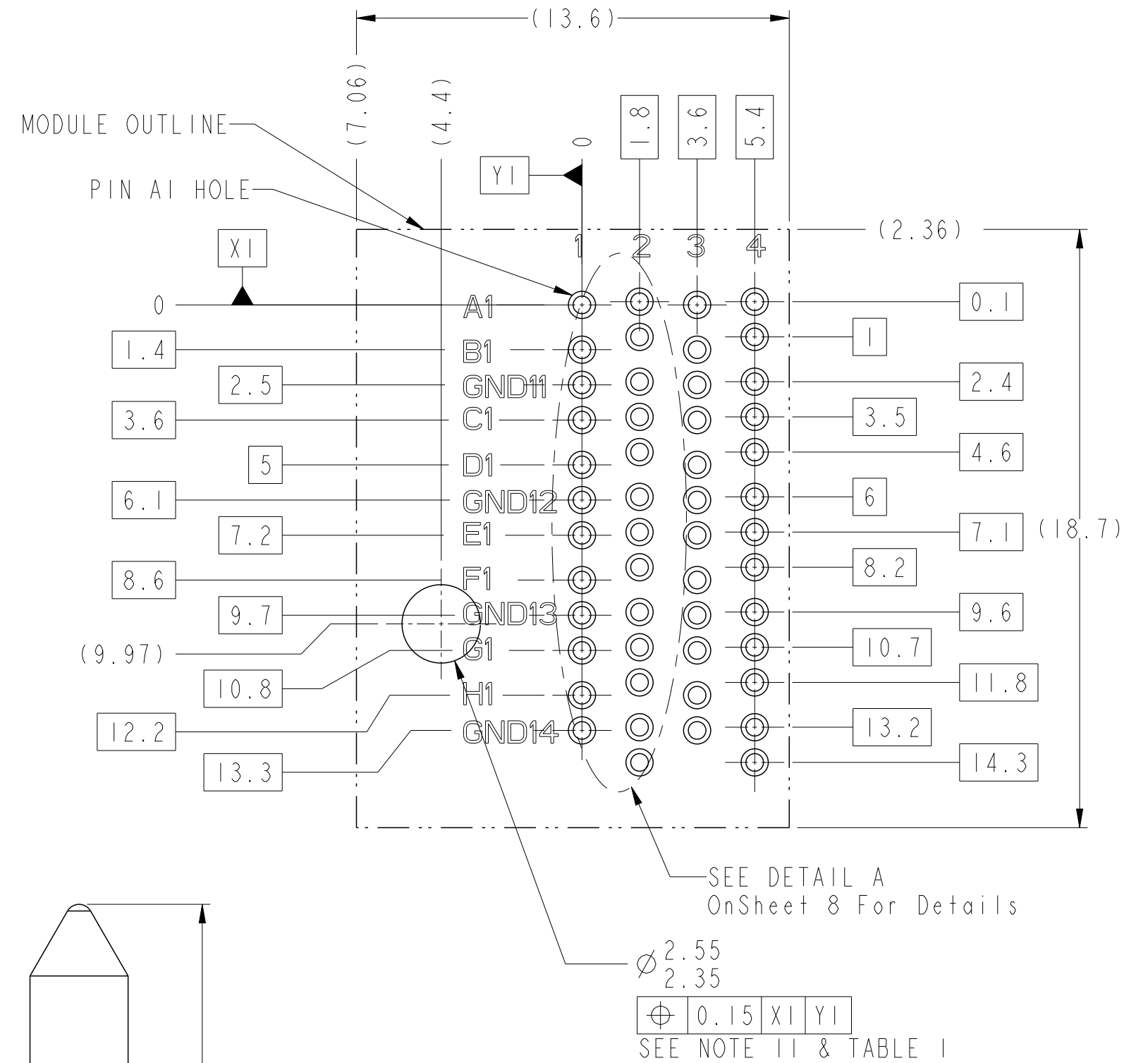
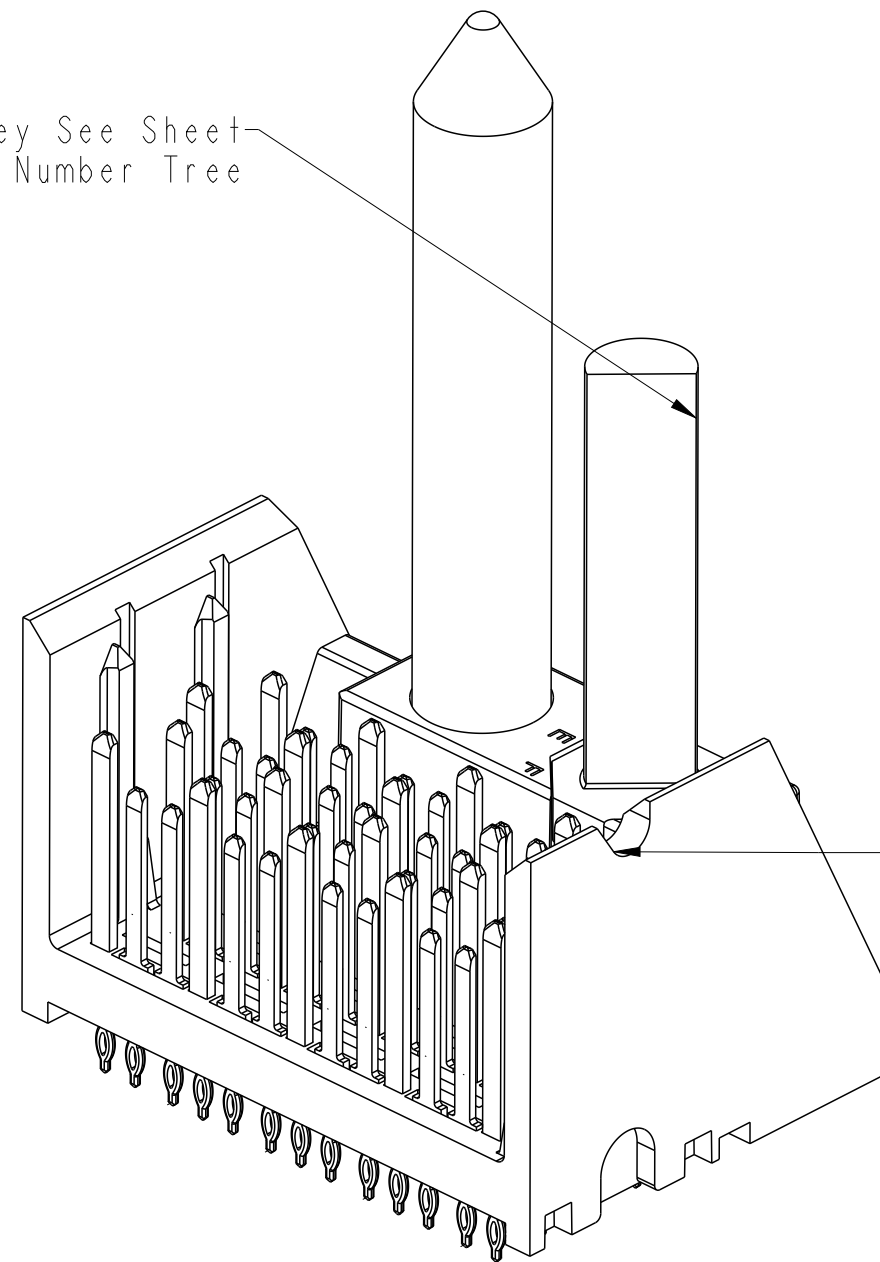
△ FOUR WALL MODULE BACKPLANE FOOTPRINT



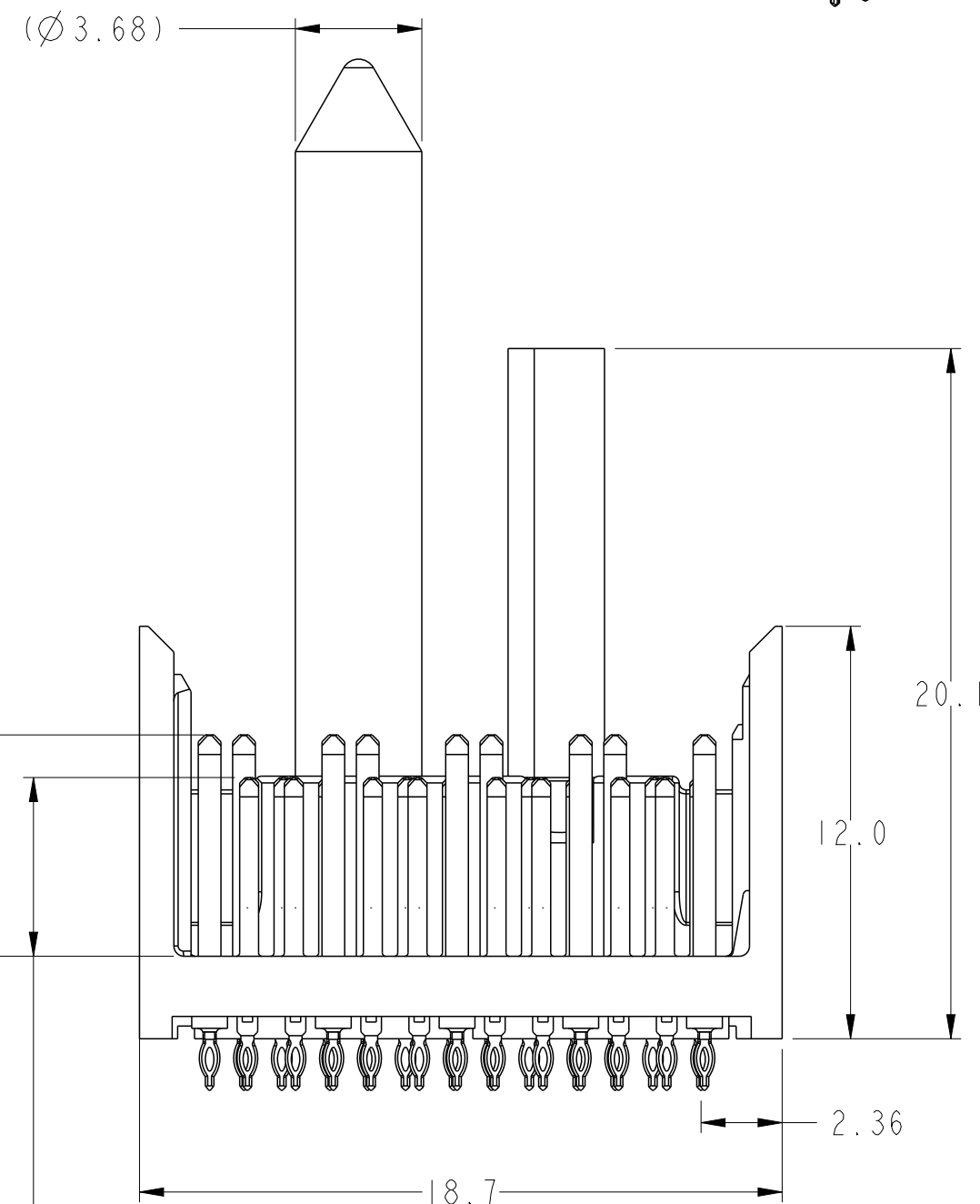
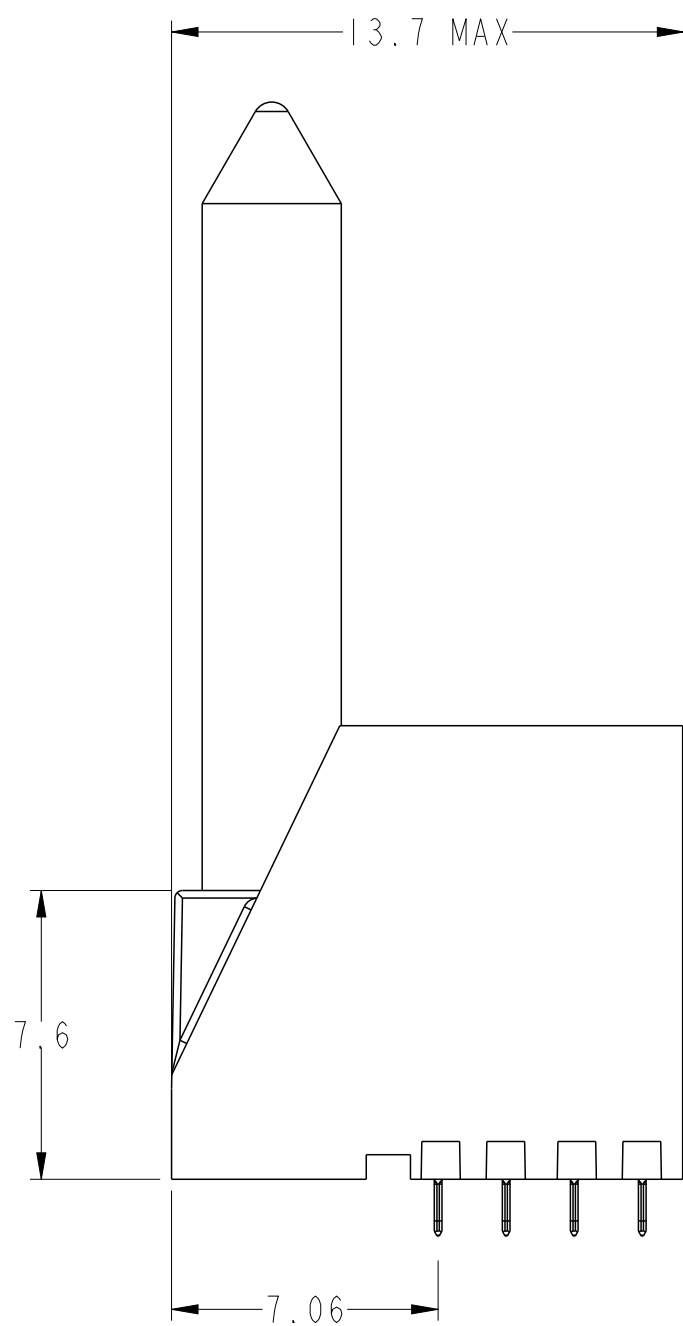
spec ref	-	dr	Yong-Keat Lim	2012/03/05	projection	mm	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2016/03/07	chr	-	ecn no	ELX-S-17624-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2016/03/17	product family	-	cat. no.	-	Product - Customer Drw	sheet 5 of 8
TOLERANCES UNLESS OTHERWISE SPECIFIED		Amphenol FCI		title		MODULE ASSEMBLY, XCEDE HD		dwg no		10120126
		www.fci.com		Vertical Header, 4 Pair 4 Column				rev		C



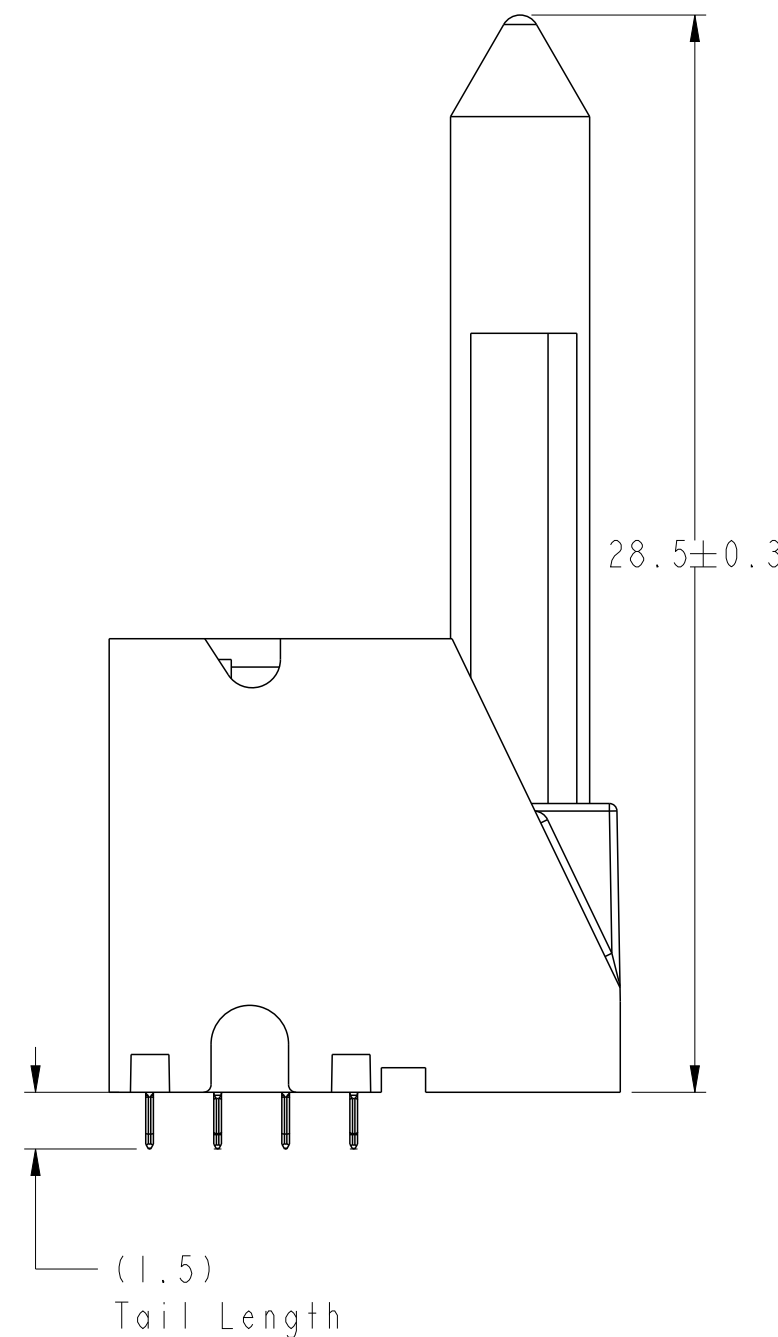
Optional Key See Sheet
1 Part Number Tree



LEFT POLARIZING/GUIDE MODULE



(5.2)
For 3MM Wipe Signal
(4.2)
For 2MM Wipe Signal
(6.4)
For 4MM Wipe Ground
(5.4)
For 3MM Wipe Ground



BP HOLE PATTERN COMPONENT SIDE

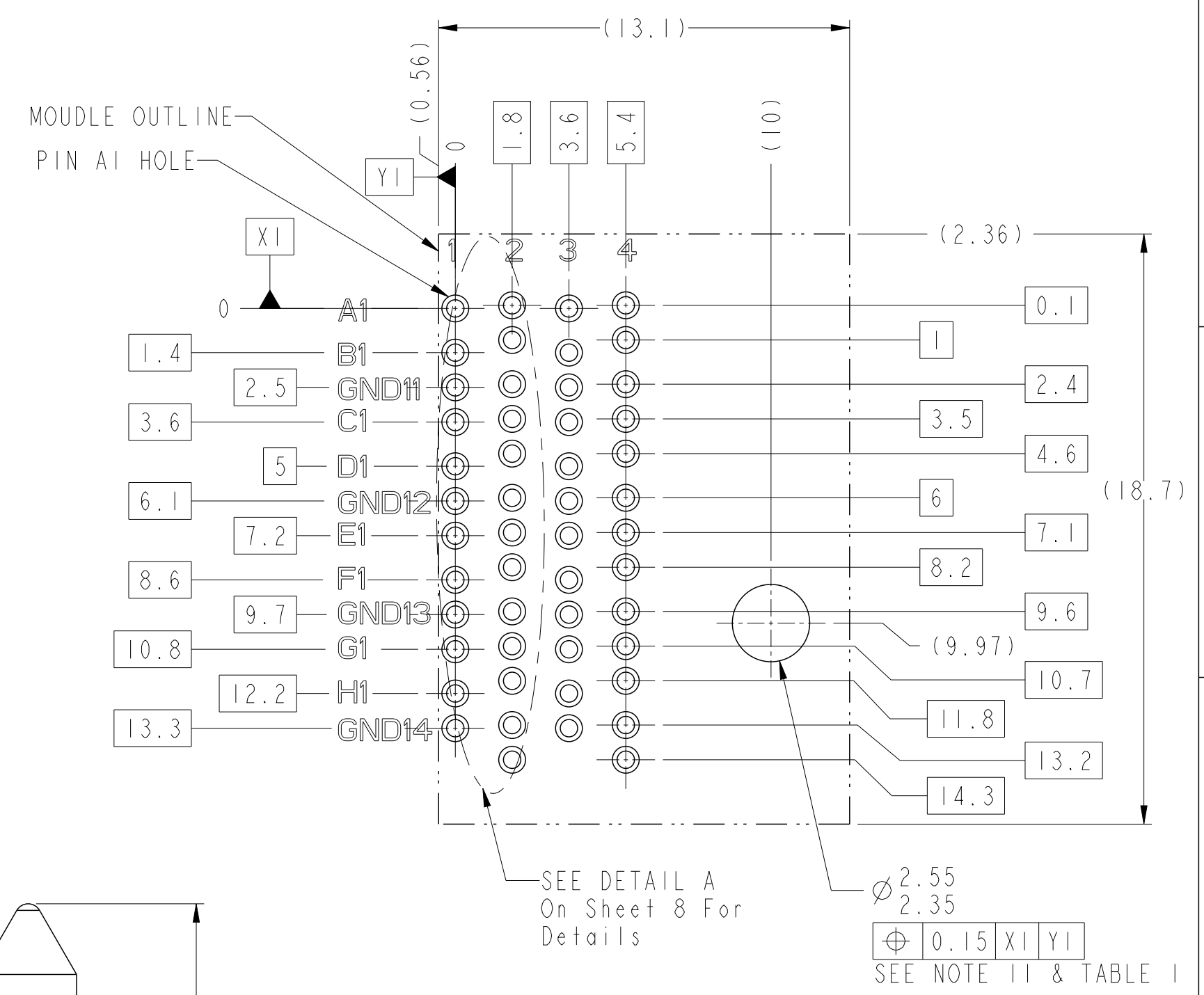
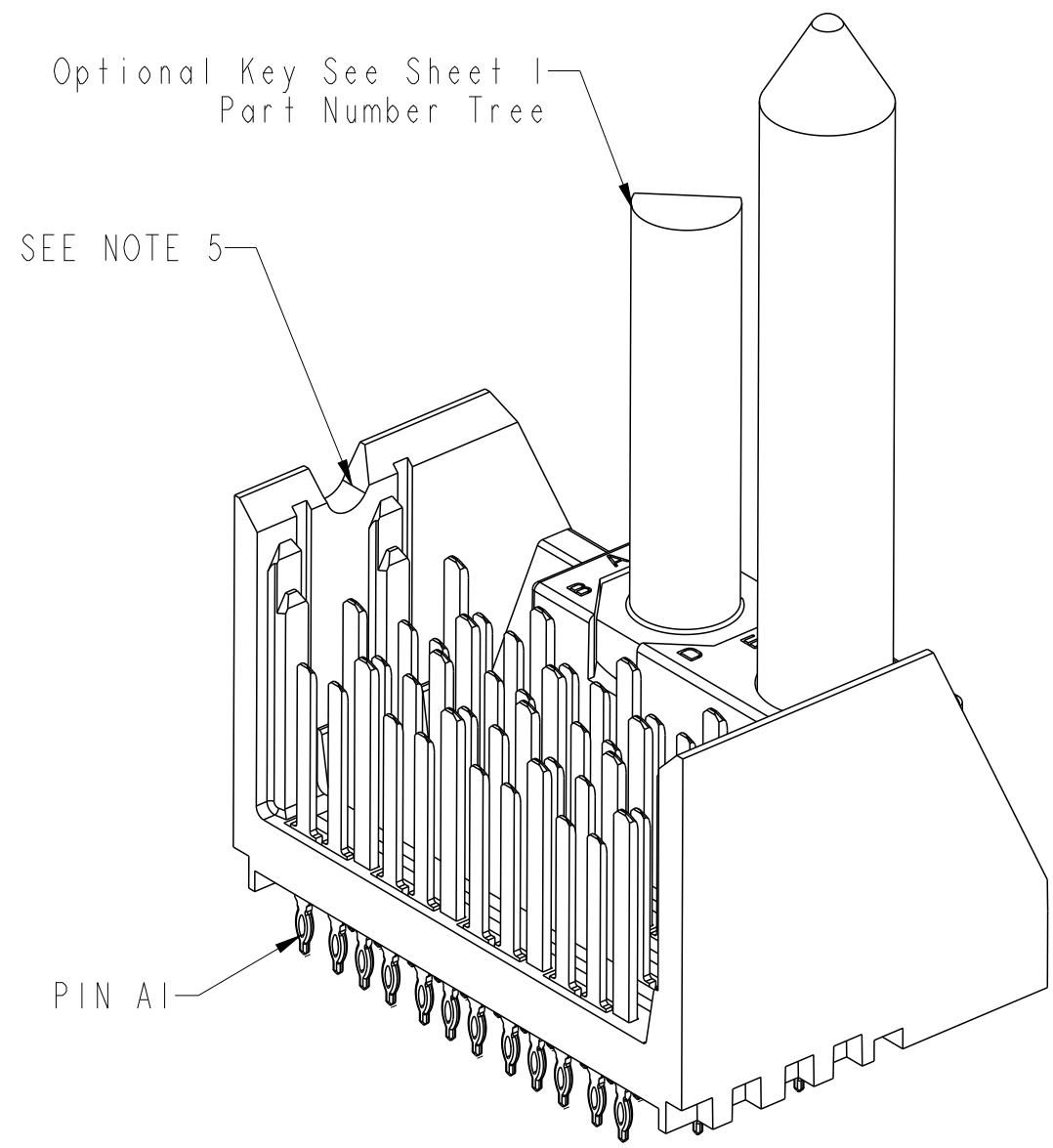
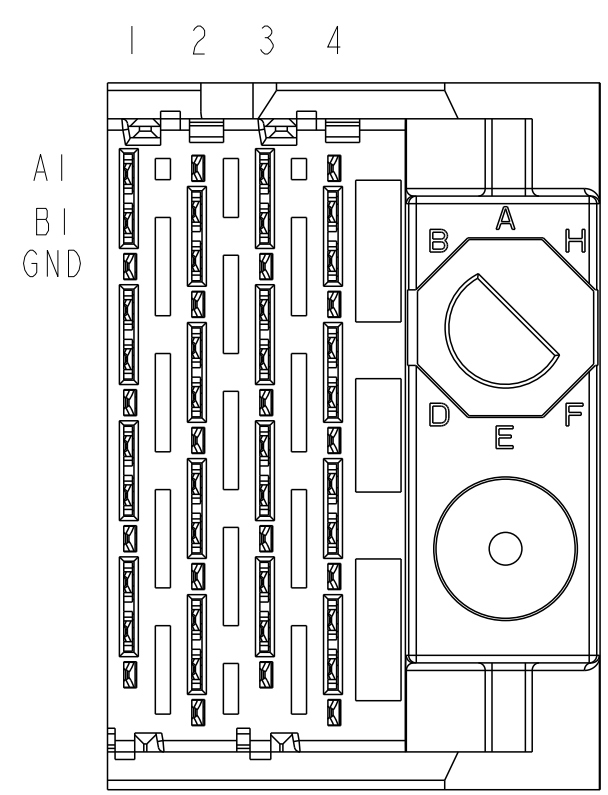
LEFT POLARIZING GUIDE MODULE BACKPLANE FOOTPRINT

spec ref	-	dr	Yong-Keat Lim	2012/03/05	projection	mm	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2016/03/07	chr	-	ecn no	ELX-S-17624-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2016/03/17	product family	-	cat. no.	Product - Customer Drw	sheet 6 of 8	rev
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	Amphenol FCi	title	MODULE ASSEMBLY, XCEDE HD	dwg no	10120126	cat. no.	-	Product - Customer Drw	sheet 6 of 8
angular	0° ±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 6 of 8	cat. no.	-	Product - Customer Drw	sheet 6 of 8

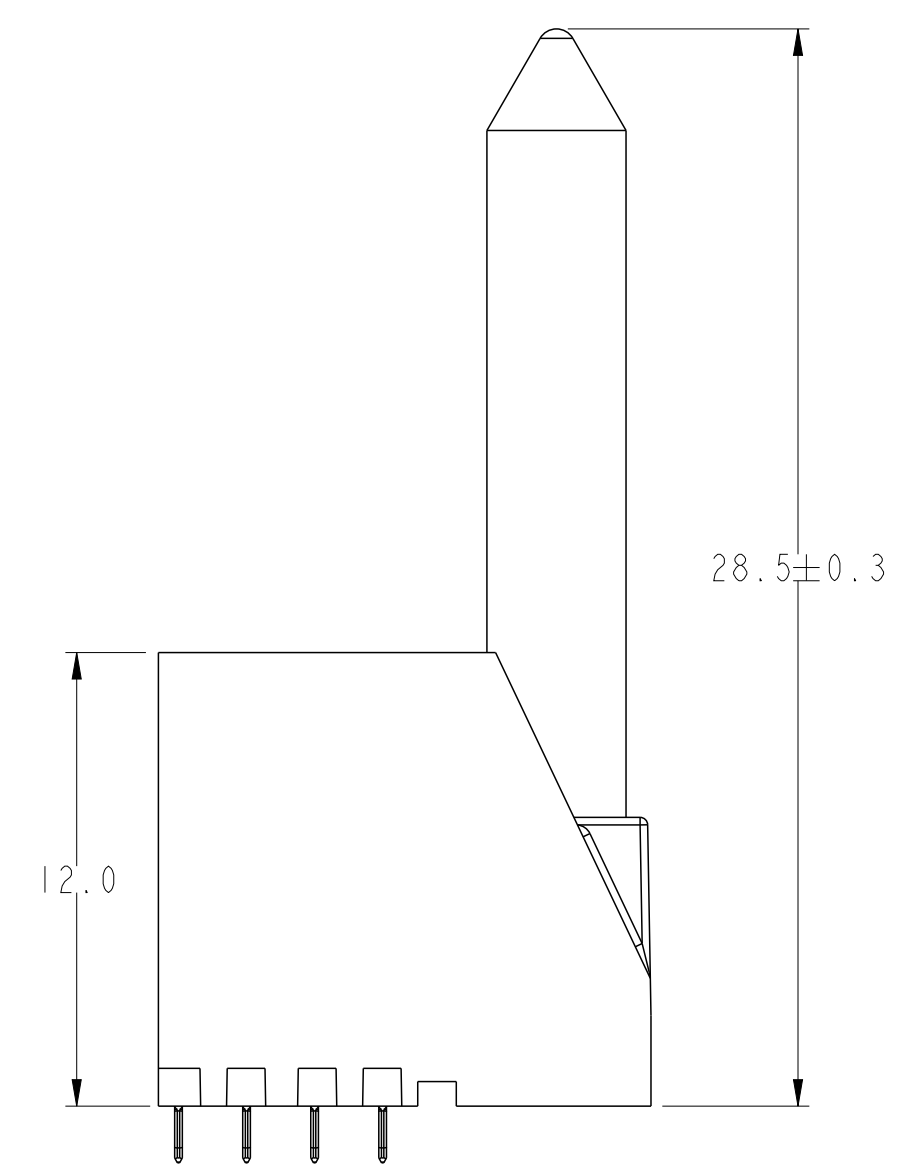
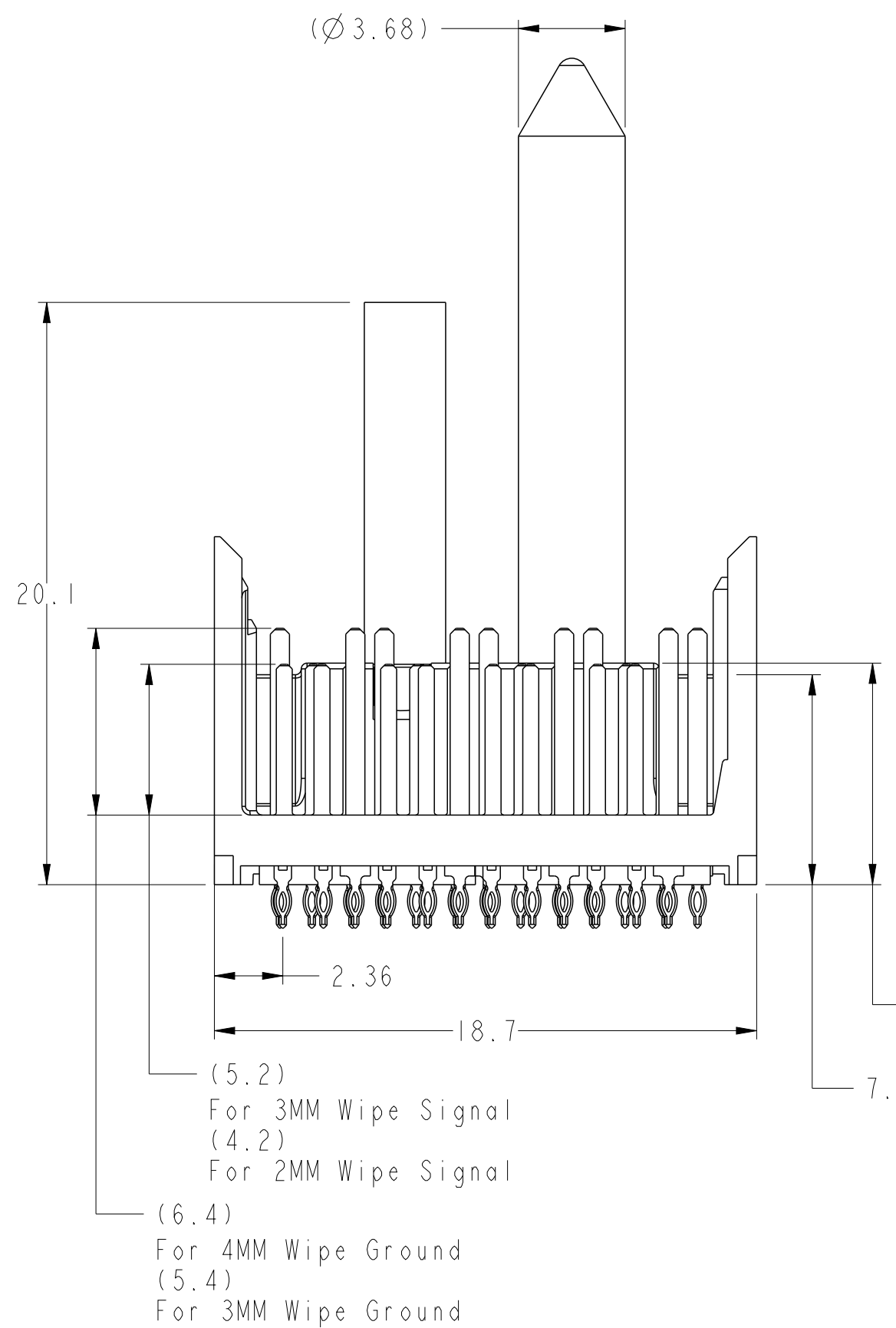
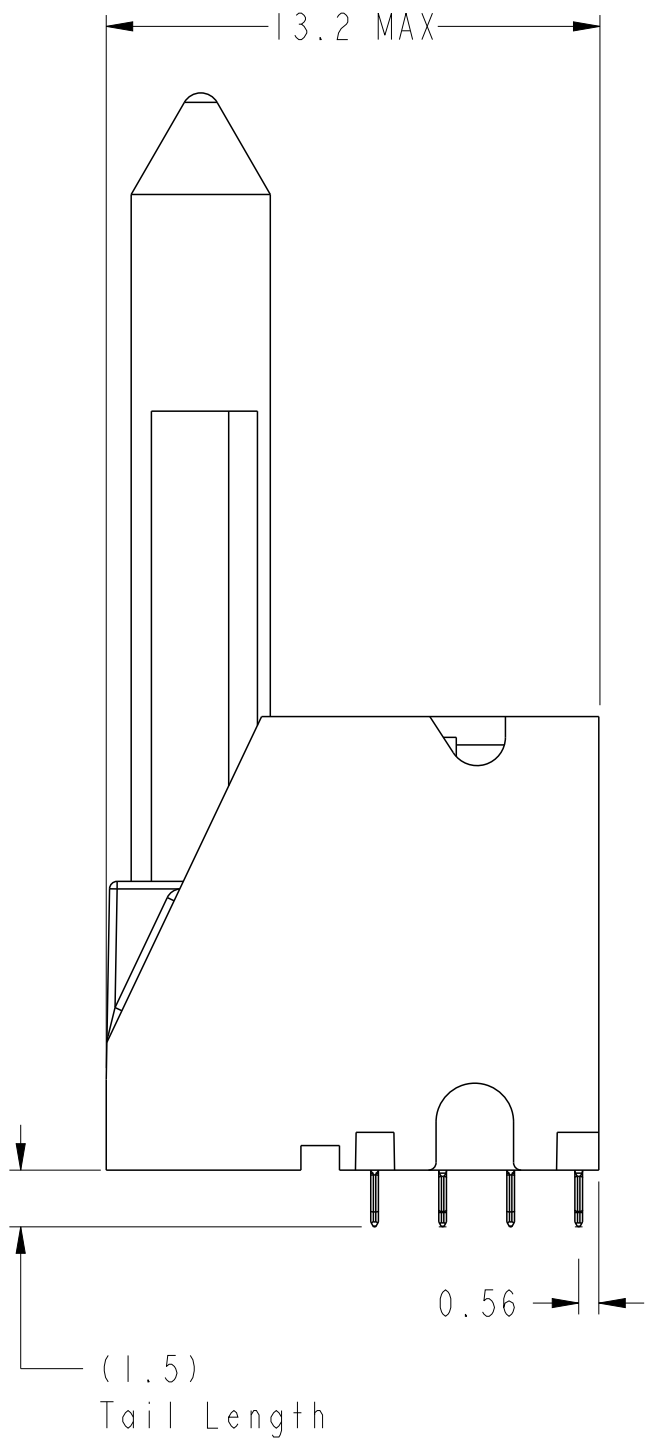
PDS: Rev :C

STATUS:Released

Printed: Mar 17, 2016

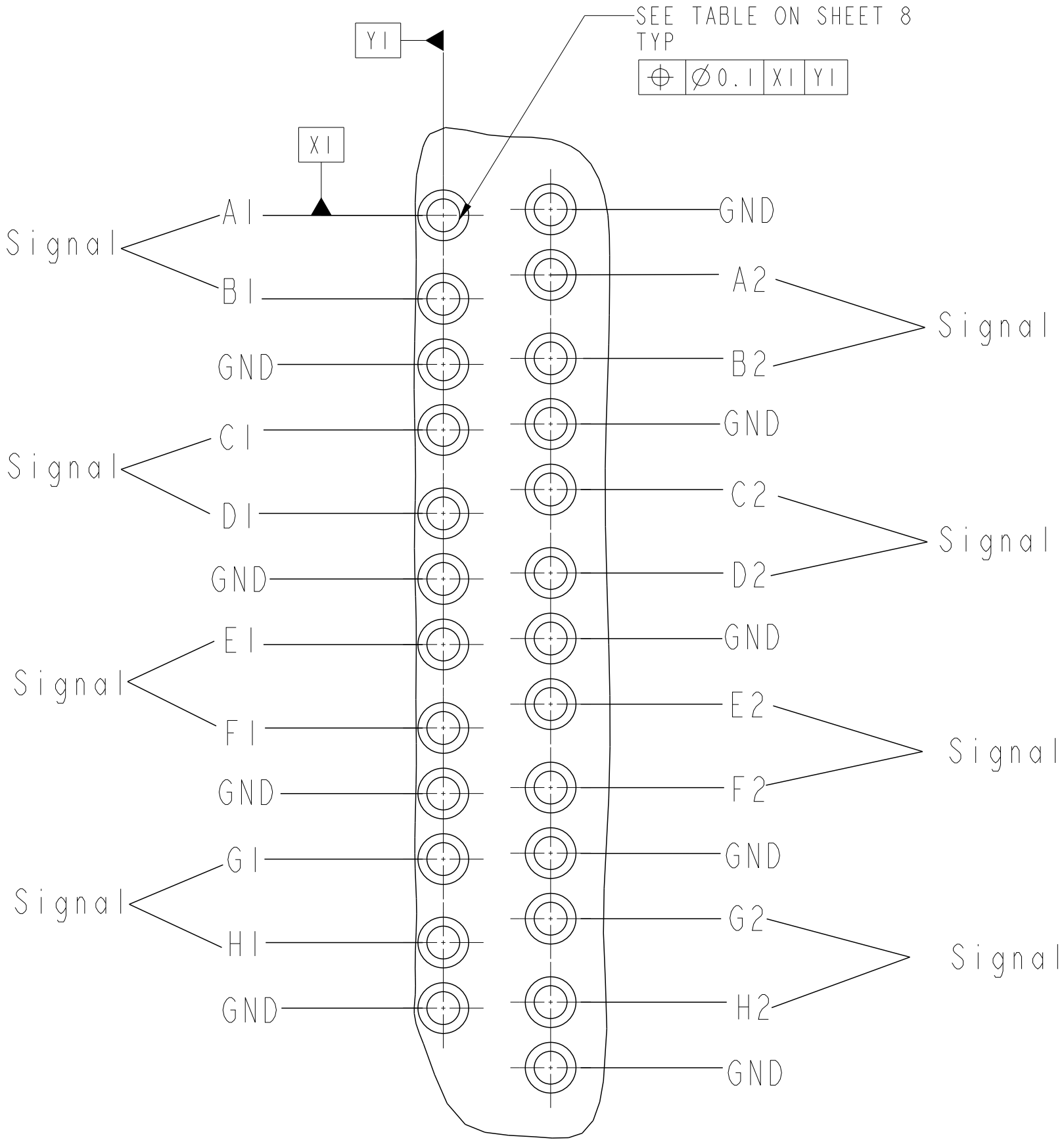


RIGHT POLARIZING/GUIDE MOUDLE



BP HOLE PATTERN COMPONENT SIDE RIGHT POLAIZING/GUIDE MODULE BACKPLANE FOOTPRINT

spec ref	-	dr	Yong-Keat Lim	2012/03/05	projection	mm	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2016/03/07	chr	-	ecn no	ELX-S-17624-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2016/03/17	product family	-	cat. no.	-	Product - Customer Drw	sheet 7 of 8
TOLERANCES UNLESS OTHERWISE SPECIFIED		Amphenol FCI		MODULE ASSEMBLY, XCEDE HD		Vertical Header, 4 Pair 4 Column		10120126		rev
linear		0.X ±0.3		0.XX ±0.10		0.XXX ±0.05		angular		0° ±2°

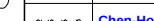


DETAIL A
SCALE 12:1

TABLE 3		
	COMPLIANT PIN DRILL $\phi 0.55[0.0217"]$	COMPLIANT PIN DRILL $\phi 0.45[0.0177"]$
PTH	$\phi 0.45 \pm 0.05$	$\phi 0.36 \pm 0.05$
DRILL	$\phi 0.55 [0.0217"]$	$\phi 0.45 [0.0177"]$
PAD	$\phi 0.85$	$\phi 0.75$

NOTES:

- CONNECTOR MATERIALS
SHROUD : HIGH-TEMP POLYMER, COLOR : BLACK, UL94V-0
CONTACTS : HIGH PREFORMANCE COPPER ALLOY
- PRODUCT SPECIFICATION : GS-12-0936
- APPLICATION SPECIFICATION : GS-20-0348
- PRODUCT MARKING :
PART NUMBER (10120126-X0J-XXXLF)
"FCI" AND DATE CODE (FCI P#####)
- NOTCH DESIGNATES "ROW A" SIDE OF CONNECTOR. NOTCH FEATURE ON OPPOSITE FOR PRODUCT MARKING.
- PLATING THICKNESS OF SIGNAL & GROUND CONTACT ARE DETERMINED BY PLATING CODE, REFER TO P/N TREE ON SHEET 1.
- PACKAGING MEETS GS-14-920 LEAD-FREE LABELING SPECIFICATION.
- 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'.
- SEE APPLICATION SPECIFICATION FOR ROUTING GUIDELINES, ADDITIONAL PTH GUIDELINES, MATED DIMENSIONS, GUIDE PIN SELECTION, ETC.
- A $\triangle$ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE THAT HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.
- OPTIONAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE-PIN SUPPORT. SEE TABLE 1 SHEET 1 FOR ADDITIONAL DETAILS.
- 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		2012/03/05		projection		mm		size		A2		scale		1:1													
tolerance std		ISO 406		eng		Sandar Soe		2016/03/07						ecn no		ELX-S-17624-1		rel level		Released													
ISO 1101		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		appr						Chen-Hong Tan		2016/03/17				product family		-											
surface		✓		linear		0.X		±0.3				title		MODULE ASSEMBLY, XCEDE HD		dwg no		10120126		rev		C											
ISO 1302		0.XX		±0.10		0.XXX		±0.05																www.fci.com		cat. no.		-		Product - Customer Drw		sheet 8 of 8	
		angular		0°		±2°																											

Mouser Electronics

Authorized Distributor

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

[FCI / Amphenol:](#)

<u>10120126-Q0J-30DLF</u>	<u>10120126-F0J-70DLF</u>	<u>10120126-L0J-60DLF</u>	<u>10120126-Y0J-30DLF</u>	<u>10120126-G0J-50DLF</u>
<u>10120126-T0J-60DLF</u>	<u>10120126-E0J-80DLF</u>	<u>10120126-H0J-80DLF</u>	<u>10120126-V0J-50DLF</u>	<u>10120126-D0J-10DLF</u>
<u>10120126-R0J-80DLF</u>	<u>10120126-A0J-70DLF</u>	<u>10120126-P0J-70DLF</u>	<u>10120126-M0J-20DLF</u>	<u>10120126-B0J-30DLF</u>
<u>10120126-J0J-30DLF</u>	<u>10120126-M0J-60DLF</u>	<u>10120126-B0J-70DLF</u>	<u>10120126-D0J-60DLF</u>	<u>10120126-J0J-70DLF</u>
<u>10120126-U0J-40DLF</u>	<u>10120126-G0J-10DLF</u>	<u>10120126-U0J-60DLF</u>	<u>10120126-H0J-10DLF</u>	<u>10120126-S0J-80DLF</u>
<u>10120126-Q0J-60DLF</u>	<u>10120126-B0J-80DLF</u>	<u>10120126-W0J-10DLF</u>	<u>10120126-S0J-10DLF</u>	<u>10120126-D0J-30DLF</u>
<u>10120126-U0J-70DLF</u>	<u>10120126-F0J-40DLF</u>	<u>10120126-H0J-20DLF</u>	<u>10120126-10J-10DLF</u>	<u>10120126-A0J-50DLF</u>
<u>10120126-10J-60DLF</u>	<u>10120126-J0J-50DLF</u>	<u>10120126-R0J-30DLF</u>	<u>10120126-10J-20DLF</u>	<u>10120126-U0J-20DLF</u>
<u>10120126-00J-70DLF</u>	<u>10120126-00J-30DLF</u>	<u>10120126-A0J-10DLF</u>	<u>10120126-J0J-60DLF</u>	<u>10120126-P0J-30DLF</u>
<u>10120126-R0J-40DLF</u>	<u>10120126-D0J-70DLF</u>	<u>10120126-Y0J-80DLF</u>	<u>10120126-Q0J-50DLF</u>	<u>10120126-T0J-30DLF</u>
<u>10120126-M0J-70DLF</u>	<u>10120126-H0J-50DLF</u>	<u>10120126-P0J-80DLF</u>	<u>10120126-00J-20DLF</u>	<u>10120126-W0J-40DLF</u>
<u>10120126-E0J-60DLF</u>	<u>10120126-Q0J-10DLF</u>	<u>10120126-M0J-40DLF</u>	<u>10120126-Y0J-60DLF</u>	<u>10120126-M0J-50DLF</u>
<u>10120126-P0J-10DLF</u>	<u>10120126-L0J-80DLF</u>	<u>10120126-L0J-70DLF</u>	<u>10120126-Y0J-10DLF</u>	<u>10120126-T0J-40DLF</u>
<u>10120126-H0J-60DLF</u>	<u>10120126-V0J-30DLF</u>	<u>10120126-W0J-20DLF</u>	<u>10120126-B0J-40DLF</u>	<u>10120126-Y0J-40DLF</u>
<u>10120126-R0J-10DLF</u>	<u>10120126-G0J-60DLF</u>	<u>10120126-C0J-70DLF</u>	<u>10120126-00J-80DLF</u>	<u>10120126-V0J-40DLF</u>
<u>10120126-E0J-70DLF</u>	<u>10120126-T0J-50DLF</u>	<u>10120126-A0J-40DLF</u>	<u>10120126-P0J-50DLF</u>	<u>10120126-Q0J-80DLF</u>
<u>10120126-V0J-60DLF</u>	<u>10120126-00J-40DLF</u>	<u>10120126-B0J-20DLF</u>	<u>10120126-Y0J-70DLF</u>	<u>10120126-D0J-20DLF</u>
<u>10120126-10J-40DLF</u>	<u>10120126-G0J-70DLF</u>	<u>10120126-D0J-50DLF</u>	<u>10120126-C0J-30DLF</u>	<u>10120126-G0J-80DLF</u>
<u>10120126-W0J-60DLF</u>	<u>10120126-00J-50DLF</u>	<u>10120126-W0J-70DLF</u>	<u>10120126-L0J-10DLF</u>	<u>10120126-S0J-60DLF</u>
<u>10120126-Q0J-70DLF</u>	<u>10120126-C0J-20DLF</u>	<u>10120126-B0J-60DLF</u>	<u>10120126-E0J-10DLF</u>	<u>10120126-F0J-50DLF</u>