

10119130 - X X C - X X X LF

0: GENERAL LABEL
E: CUSTOMIZED LABEL

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 10119130-XXXX, WHERE: "X" DENOTES MODULE TYPE PER CHART ON THIS SHEET "XXXX" IS A SEQUENTIAL NUMBER BEGINNING WITH "0001".

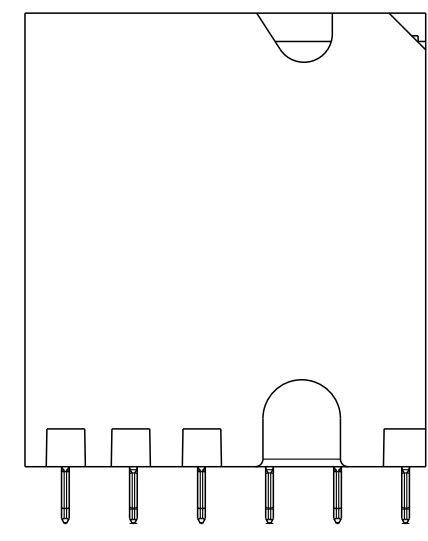
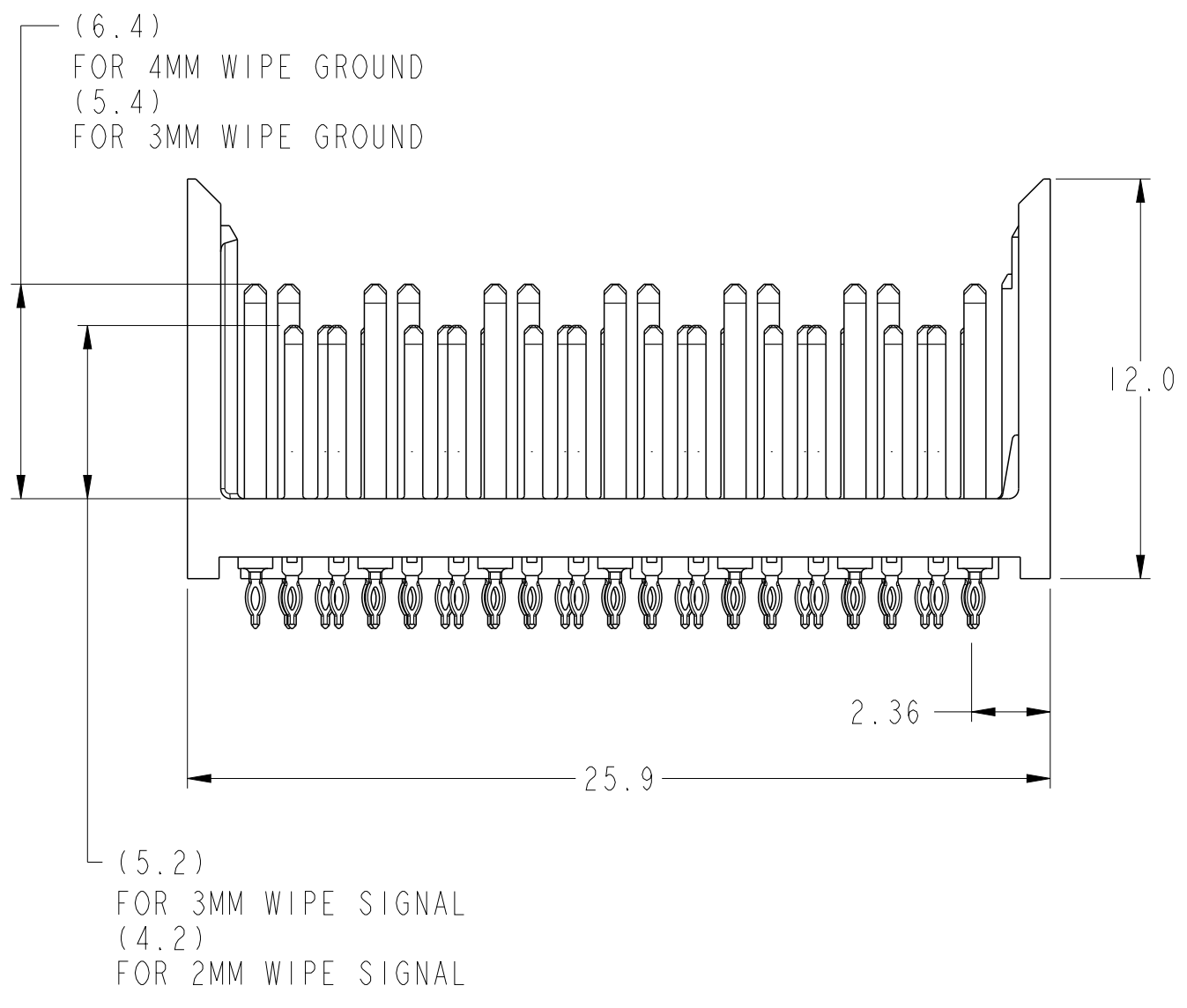
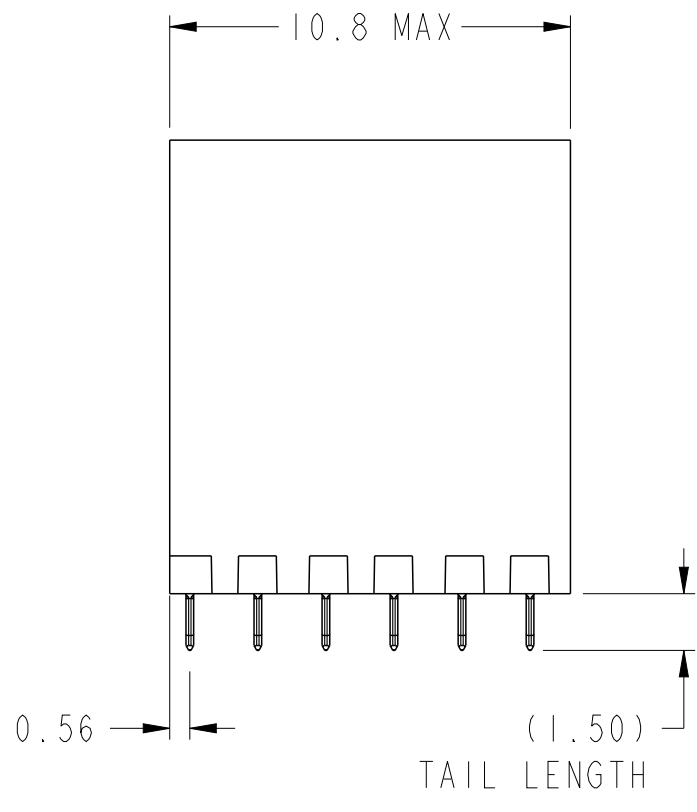
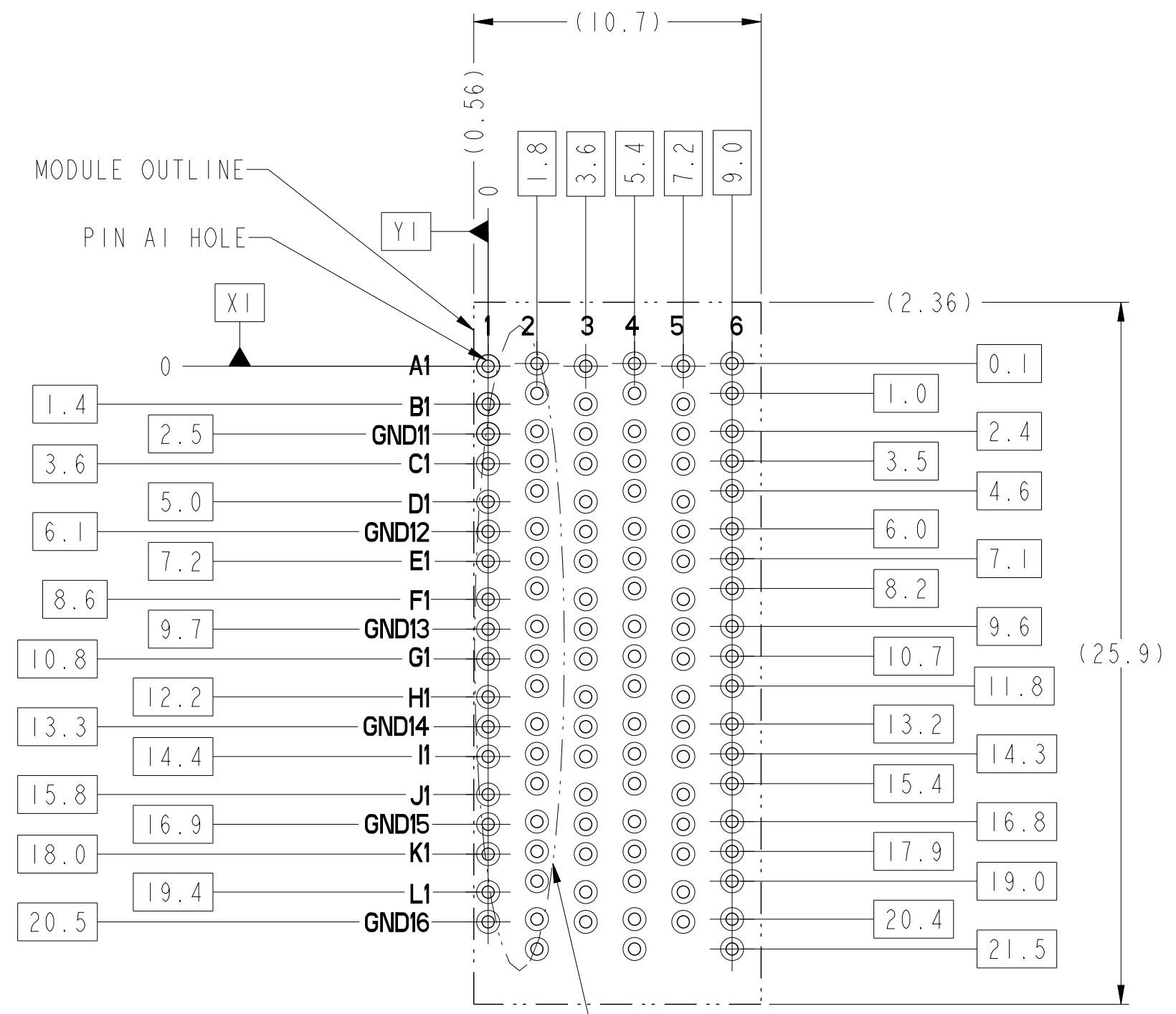
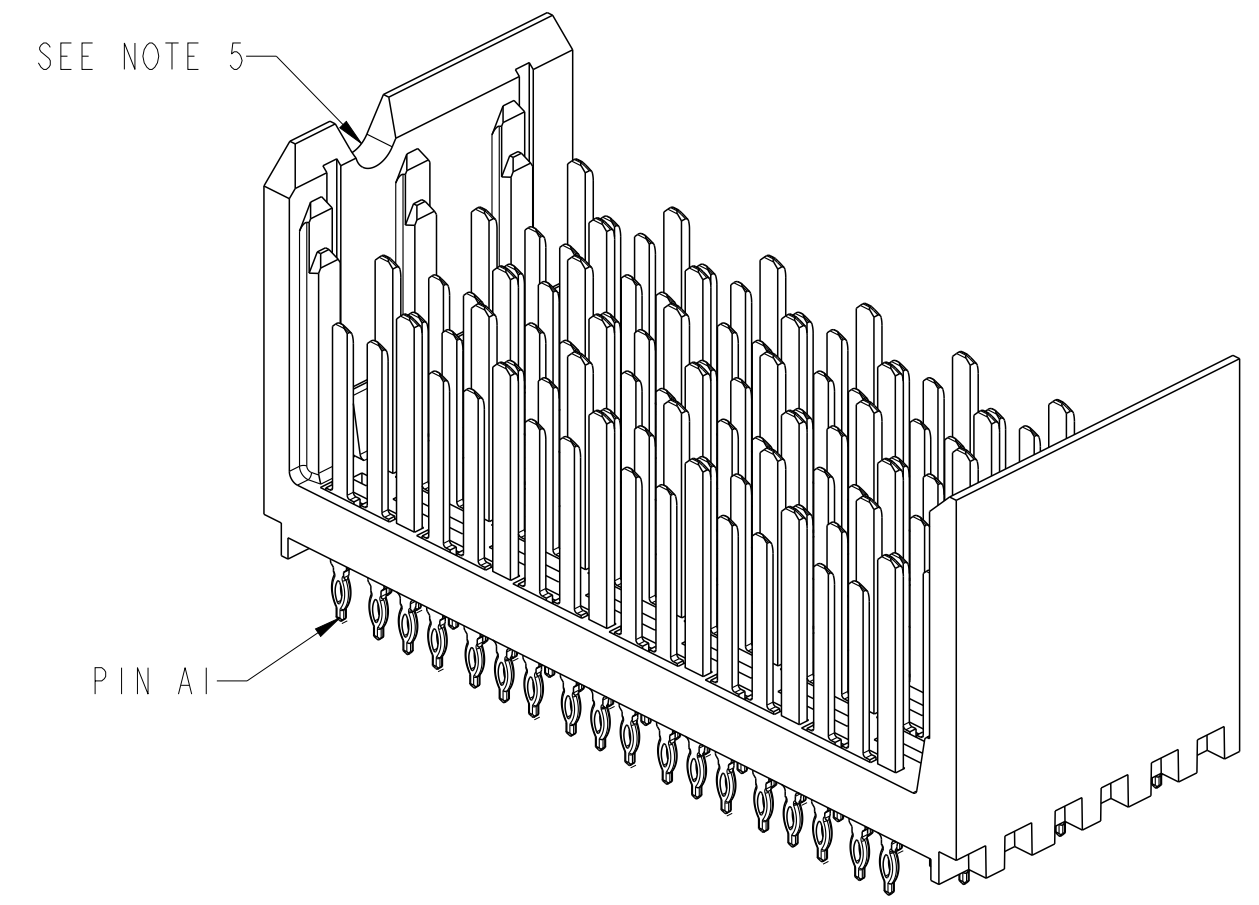
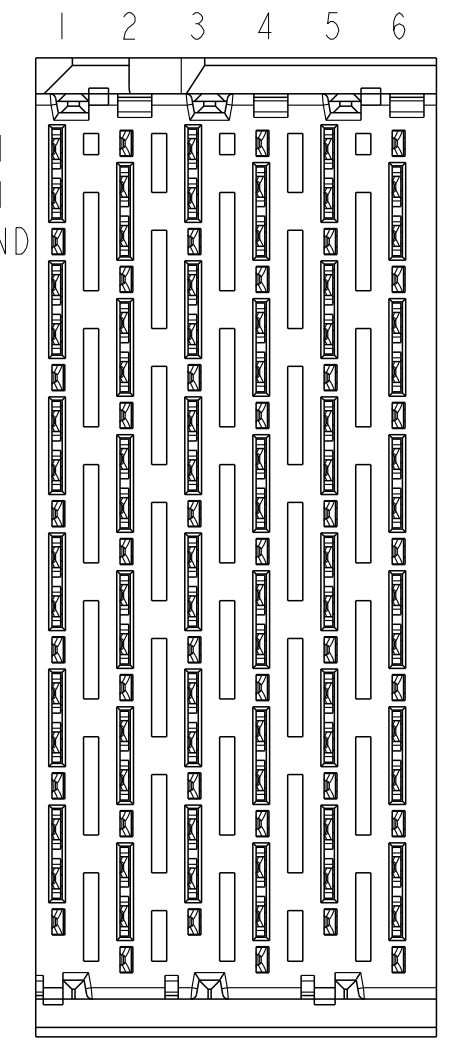
TABLE 1 (SEE NOTE 11)		
	UNGROUND	GROUND
FHS	Ø 2.35-Ø 2.55	Ø 2.35-Ø 2.55
PAD	N/A	Ø 5.50
PLATED	NO	YES
DRILL (mm)	2.44mm	2.58mm
DRILL (in)	0.096"	0.1015"

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

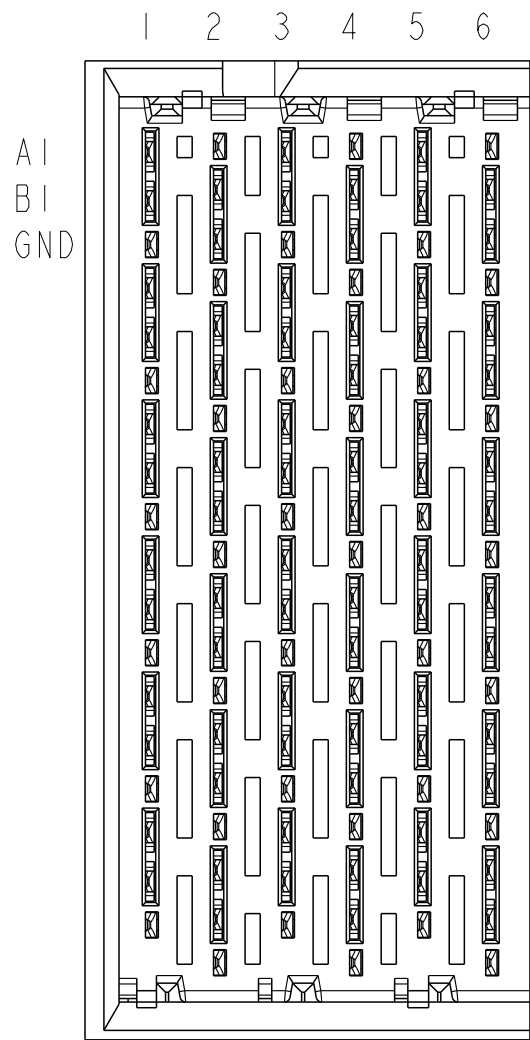
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tolerance std -				eng Michael Song		2017/05/24						ecn no		ELX-DG-27080-1	
ASME Y14.5				chr Stone Li		2017/06/05						rel level		Released	
				appr Heaven Cen		2017/06/05						product family XCEDE HD			
surface		linear		0.X		±0.3		Amphenol FCI		title VERTICAL HEADER ASSEMBLY		dwg no 10119130		rev D	
				0.XX		±0.10									
				0.XXX		±0.05									
		ASME Y14.5		angular		0°		±2°		www.fci.com		cat. no. -		Product - Customer Drw	

OPEN WALL MODULE

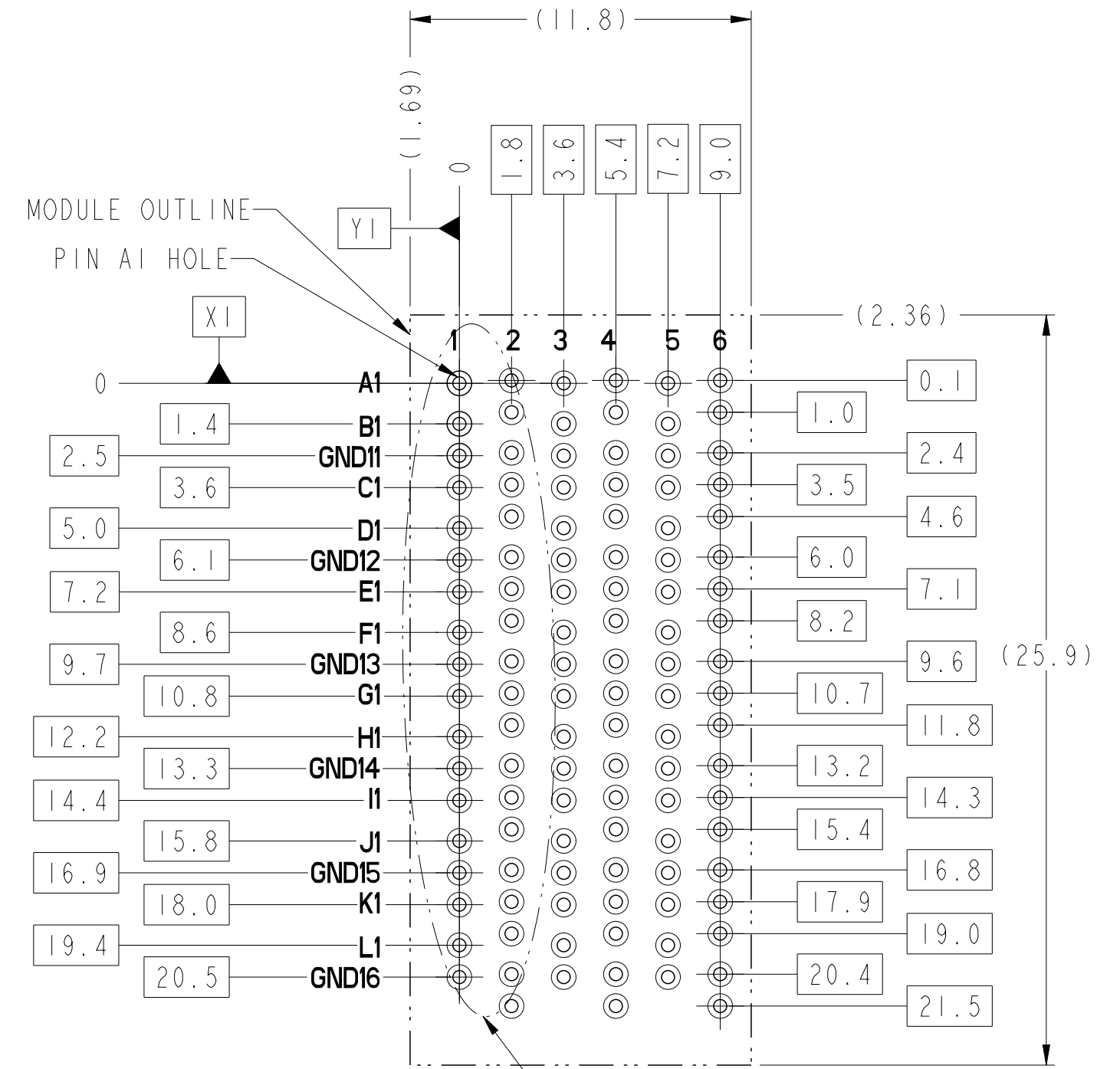
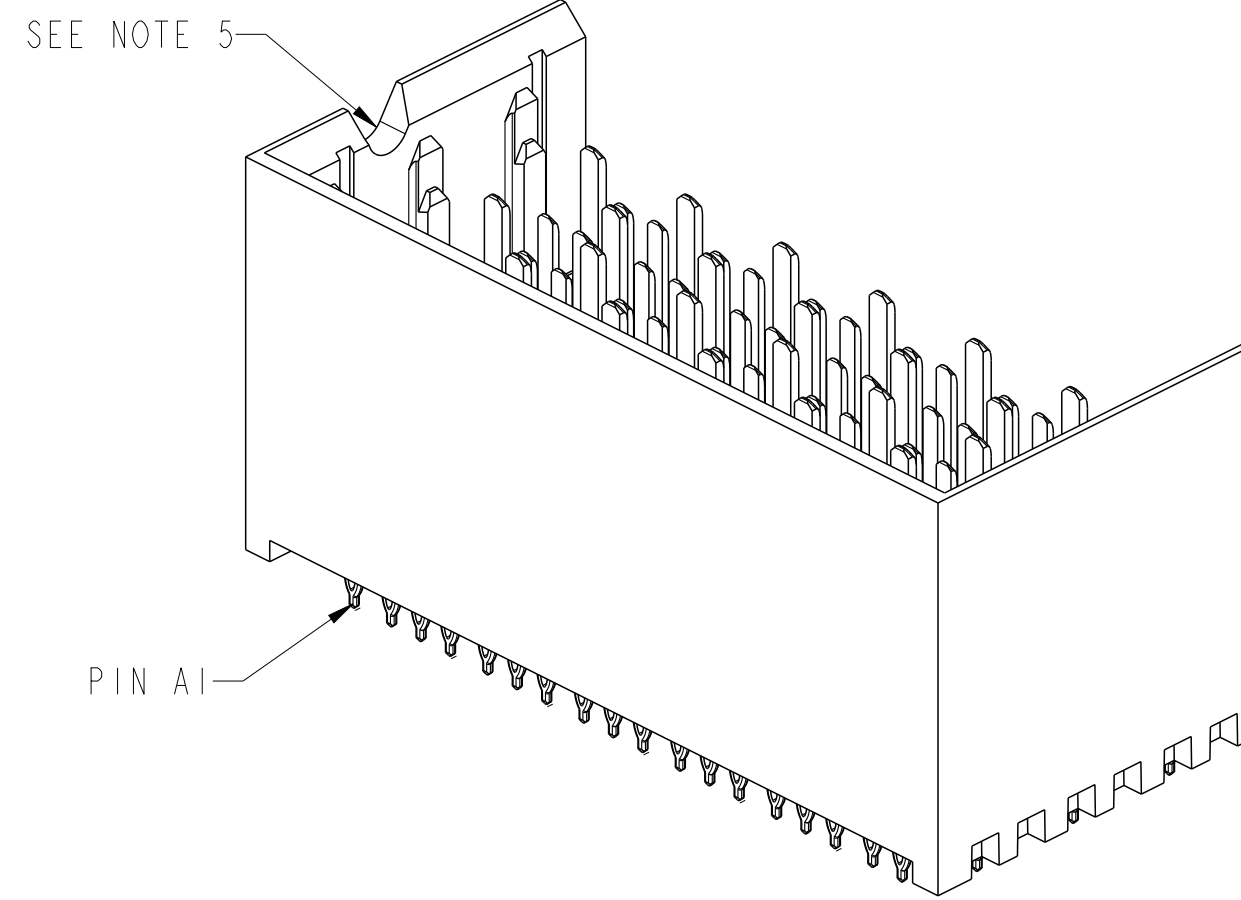
OPEN WALL MODULE BACKPLANE FOOTPRINT



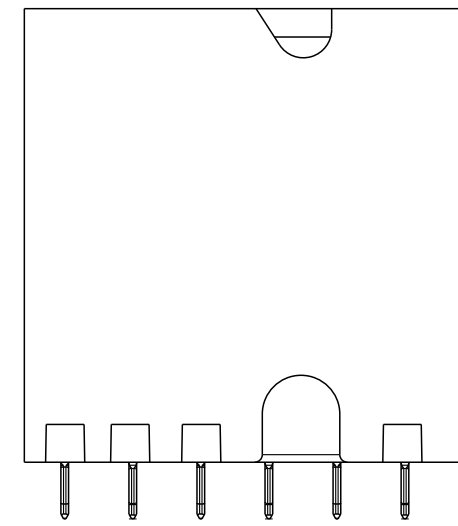
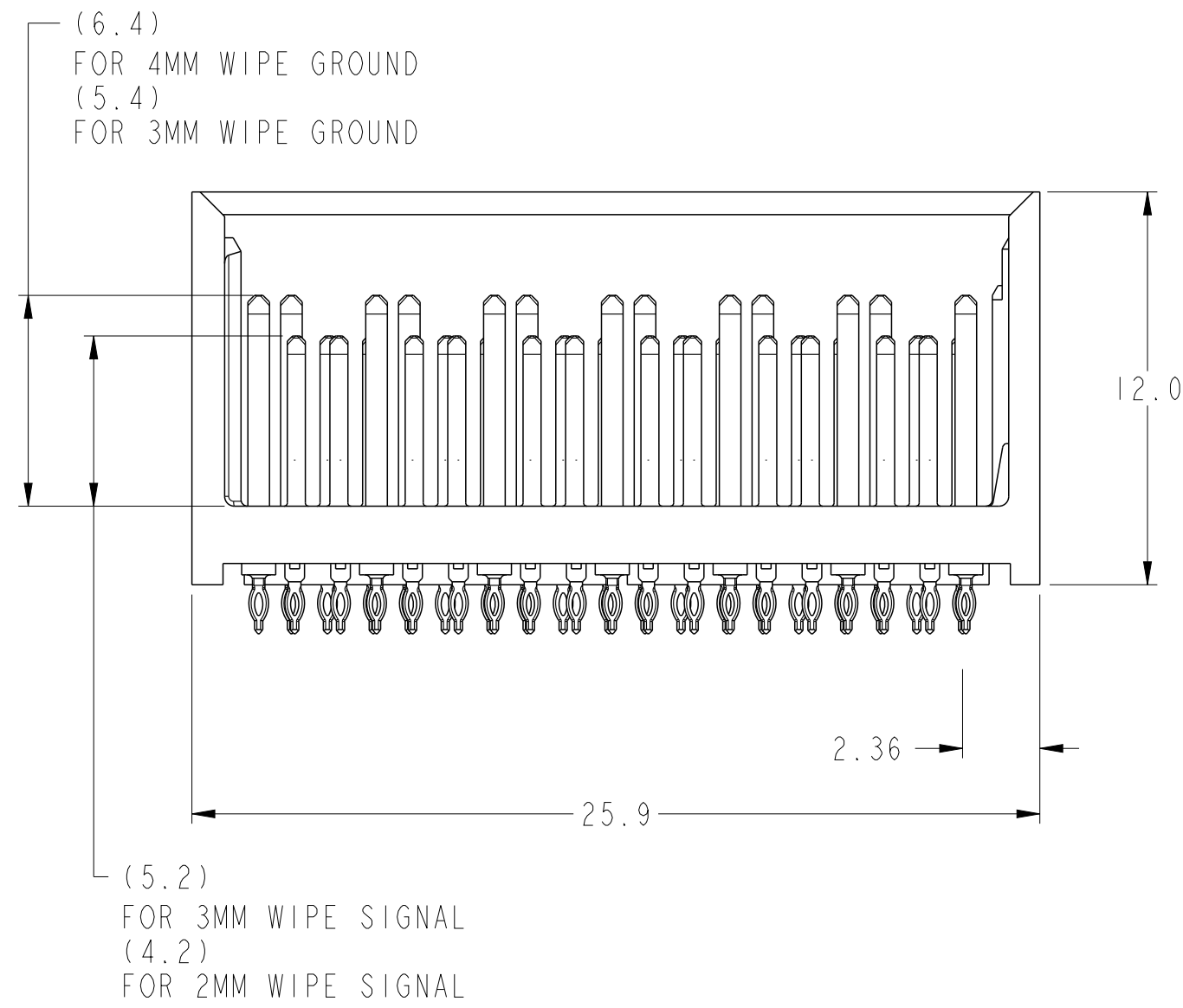
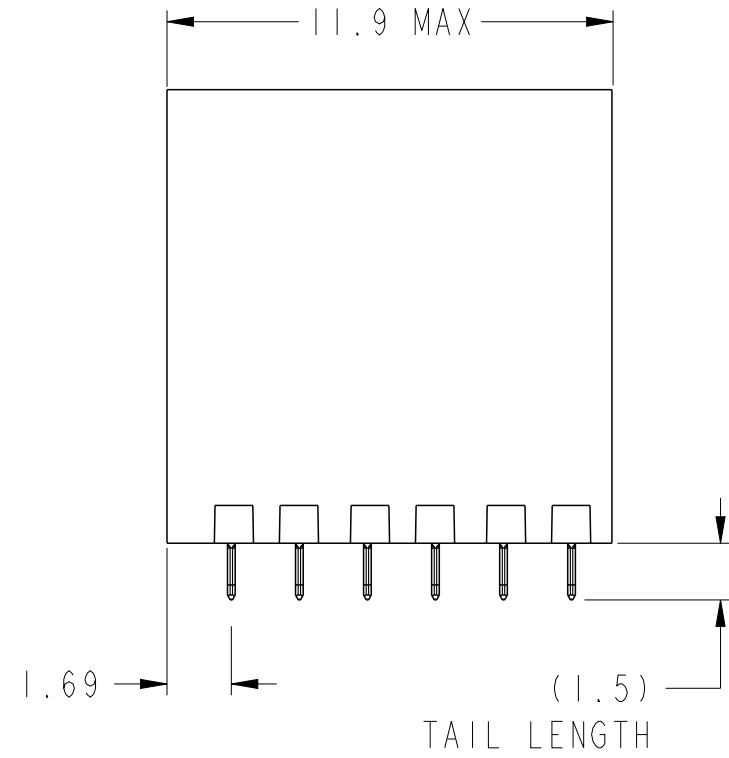
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ASME Y14.5			chr		Stone Li	2017/06/05	product family		XCEDE HD		rel level		Released		
appr		Heaven Cen		2017/06/05											
surface		linear	0.X	±0.3	Amphenol FCI	title	VERTICAL HEADER ASSEMBLY				dwg no	10119130		rev	D
			0.XX	±0.10											
			0.XXX	±0.05											
ASME Y14.5		angular	0°	±2°	www.fci.com	cat. no.	-	Product- Customer Drw				sheet 2 of 8			



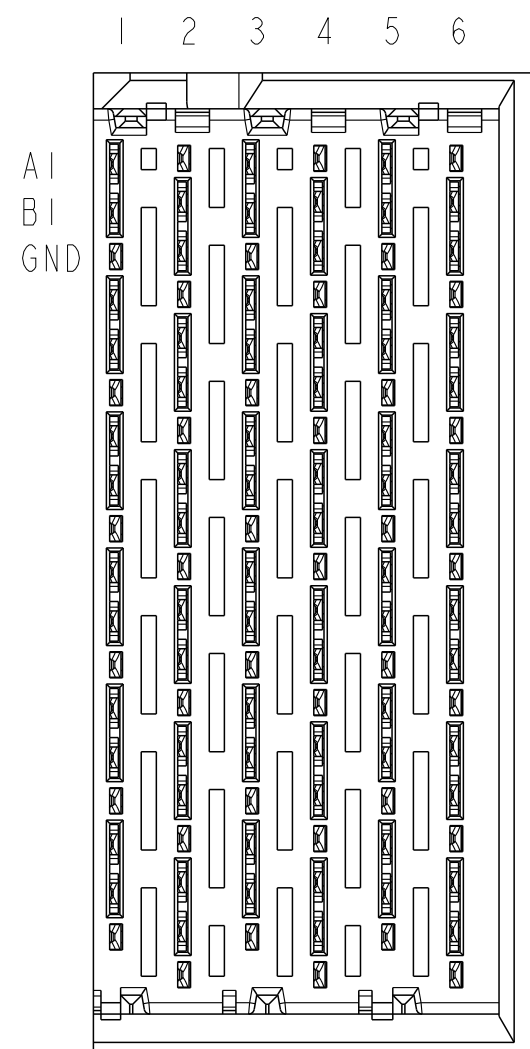
LEFT WALL MODULE



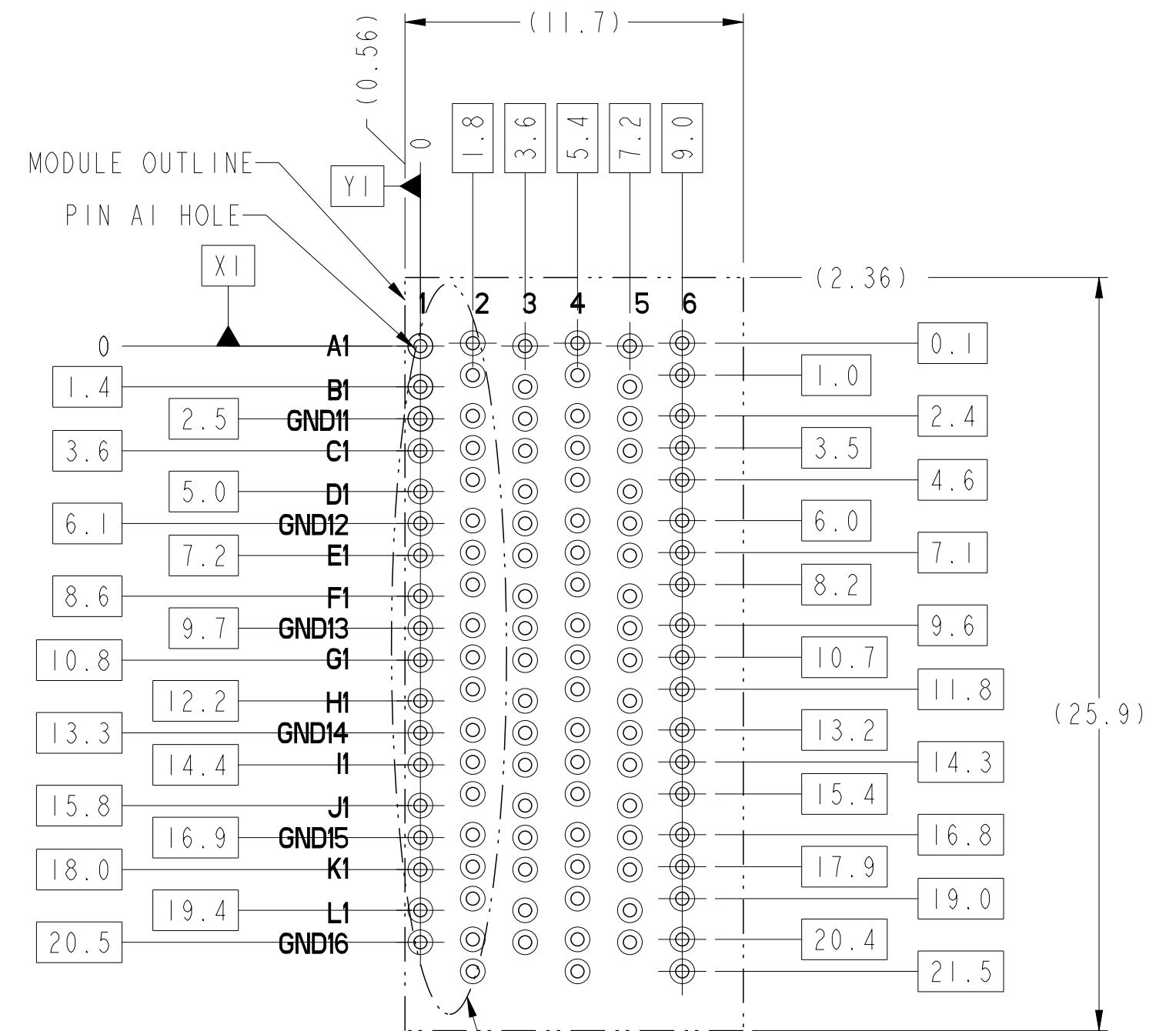
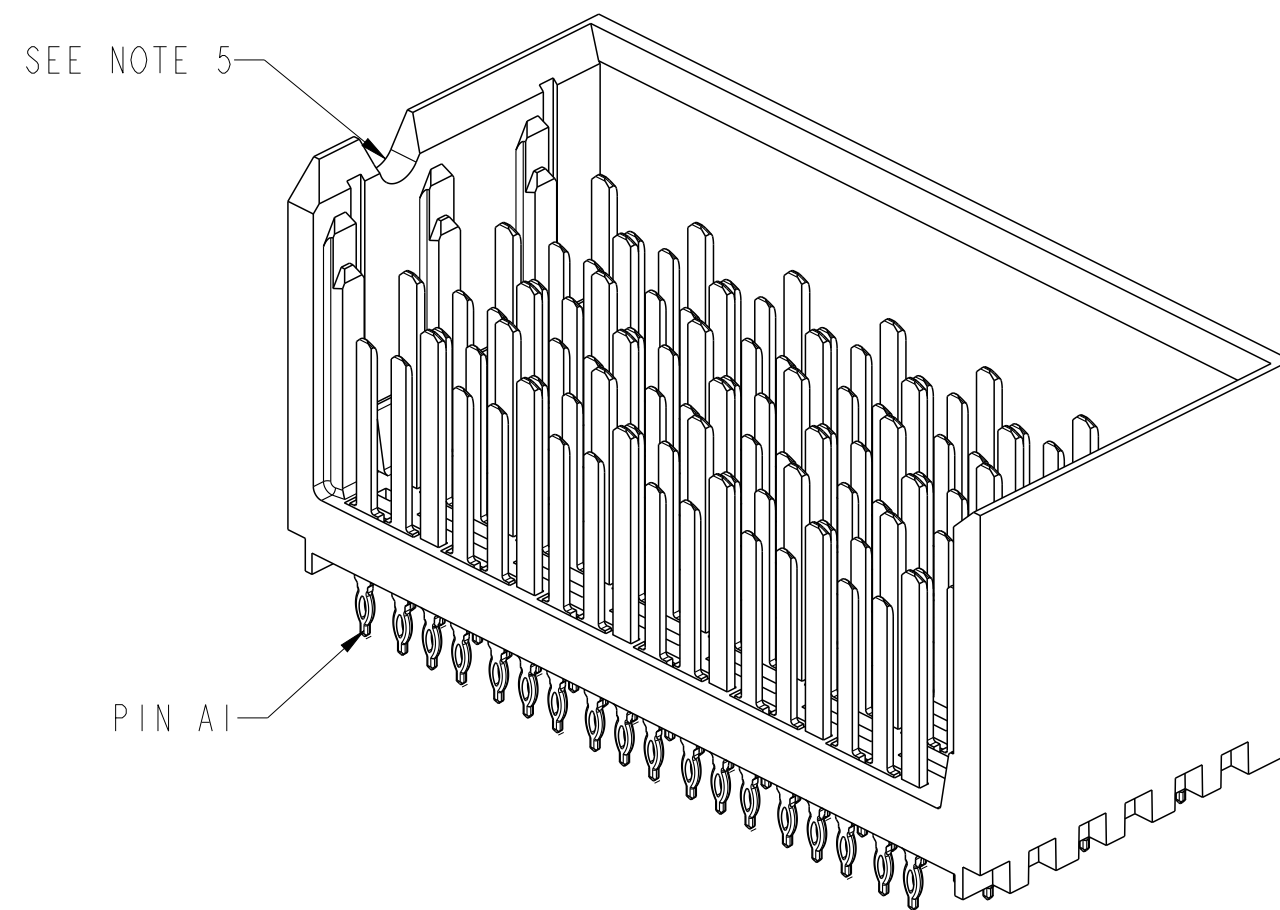
BP HOLE PATTERN COMPONENT SIDE
LEFT WALL MODULE BACKPLANE FOOTPRINT



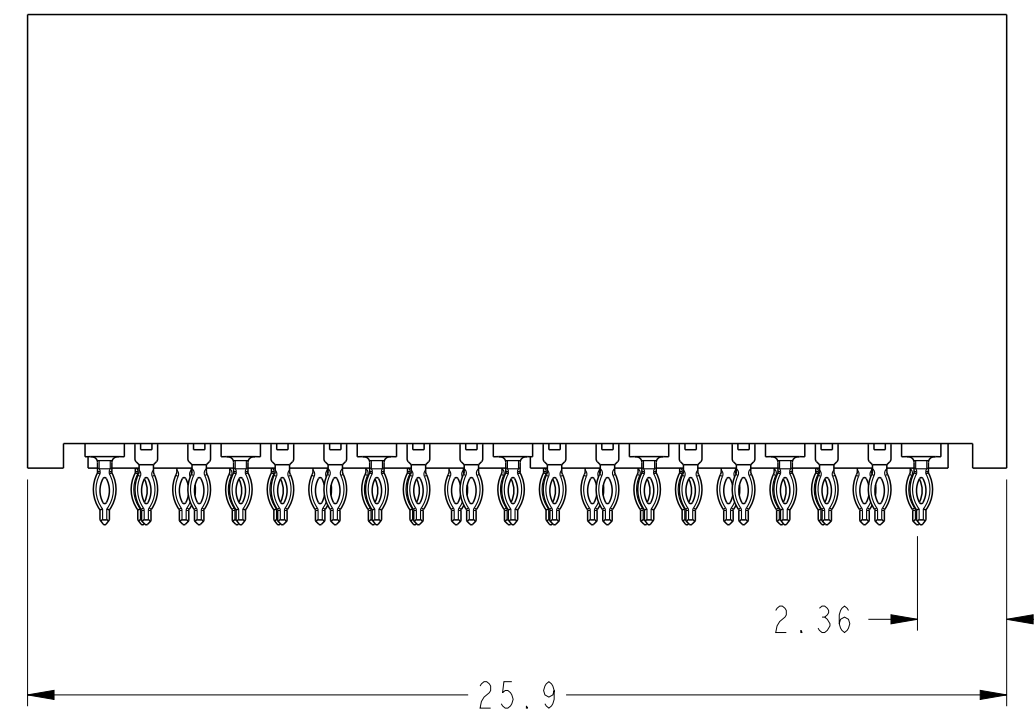
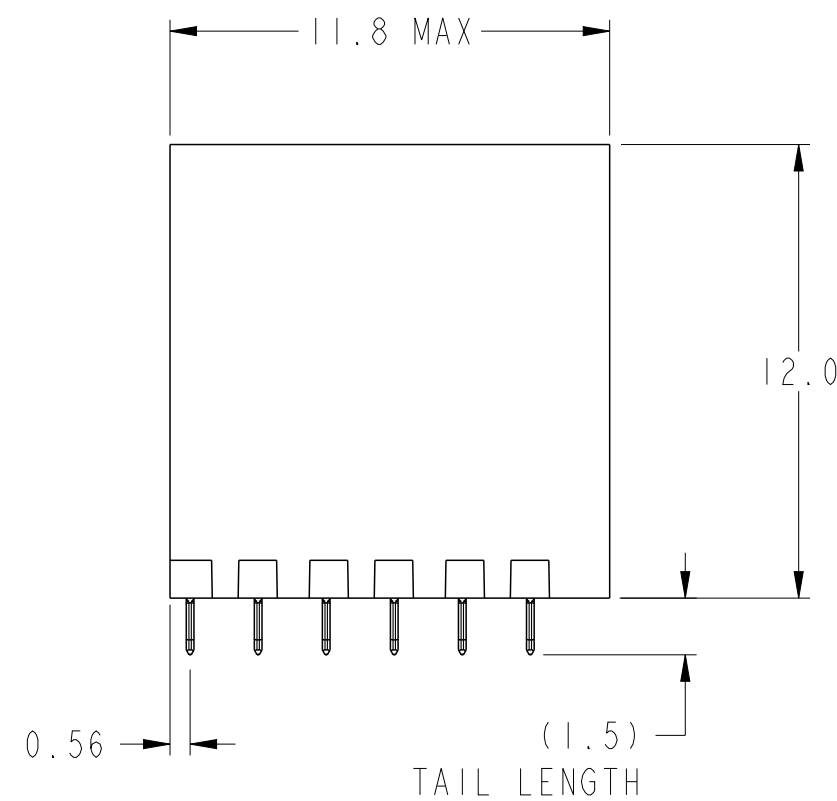
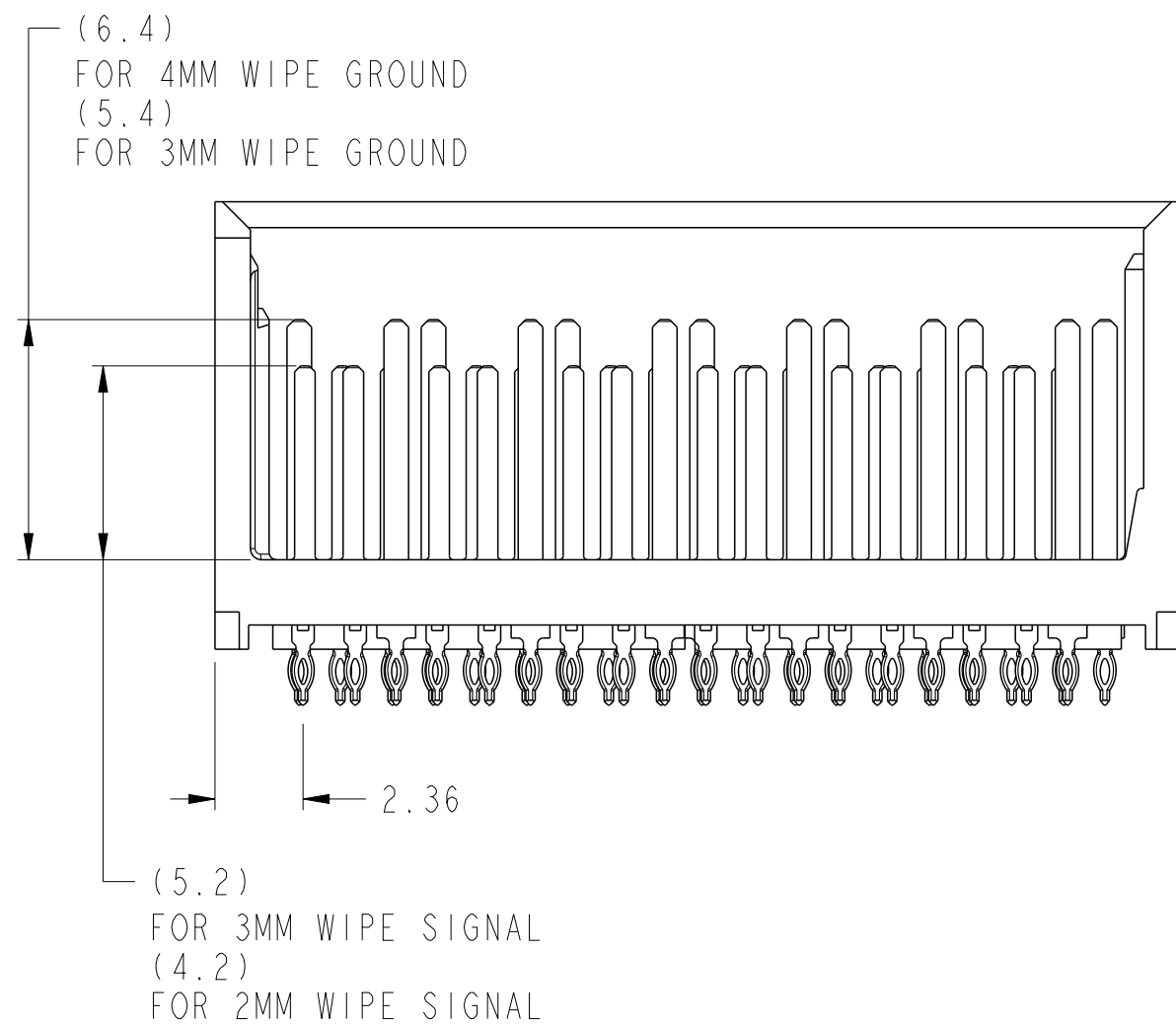
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tolerance std		-		eng		Michael Song		2017/05/24						ecn no		ELX-DG-27080-1		rel level		Released			
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Stone Li		2017/06/05						product family		XCDE HD							
ASME Y14.5				appr		Heaven Cen		2017/06/05															
surface				linear				title		VERTICAL HEADER ASSEMBLY		dwg no		10119130		rev		D					
		0.X		±0.3																			
		0.XX		±0.10																			
		0.XXX		±0.05																			
ASME Y14.5				angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 3 of 8					



RIGHT WALL MODULE



BP HOLE PATTERN COMPONENT SIDE
RIGHT WALL MODULE BACKPLANE FOOTPRINT

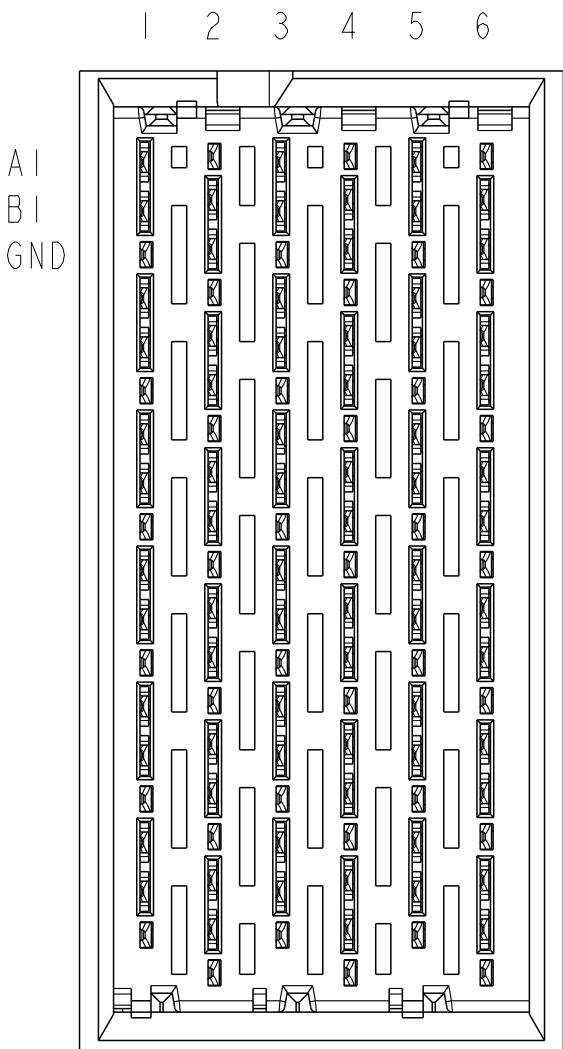


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tolerance std		-		eng		Michael Song		2017/05/24						MM		ecn no		ELX-DG-27080-1		rel level		Released	
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Stone Li		2017/06/05								product family		XCEDE HD					
				appr		Heaven Cen		2017/06/05															
surface				linear		0.X		±0.3		Amphenol FCI		title		VERTICAL HEADER ASSEMBLY		dwg no		10119130		rev		D	
				0.XX		±0.10																	
				0.XXX		±0.05																	
ASME Y14.5				angular		0°		±2°		www.fci.com		cat. no.		-		Product -		Customer Drw		sheet 4 of 8			

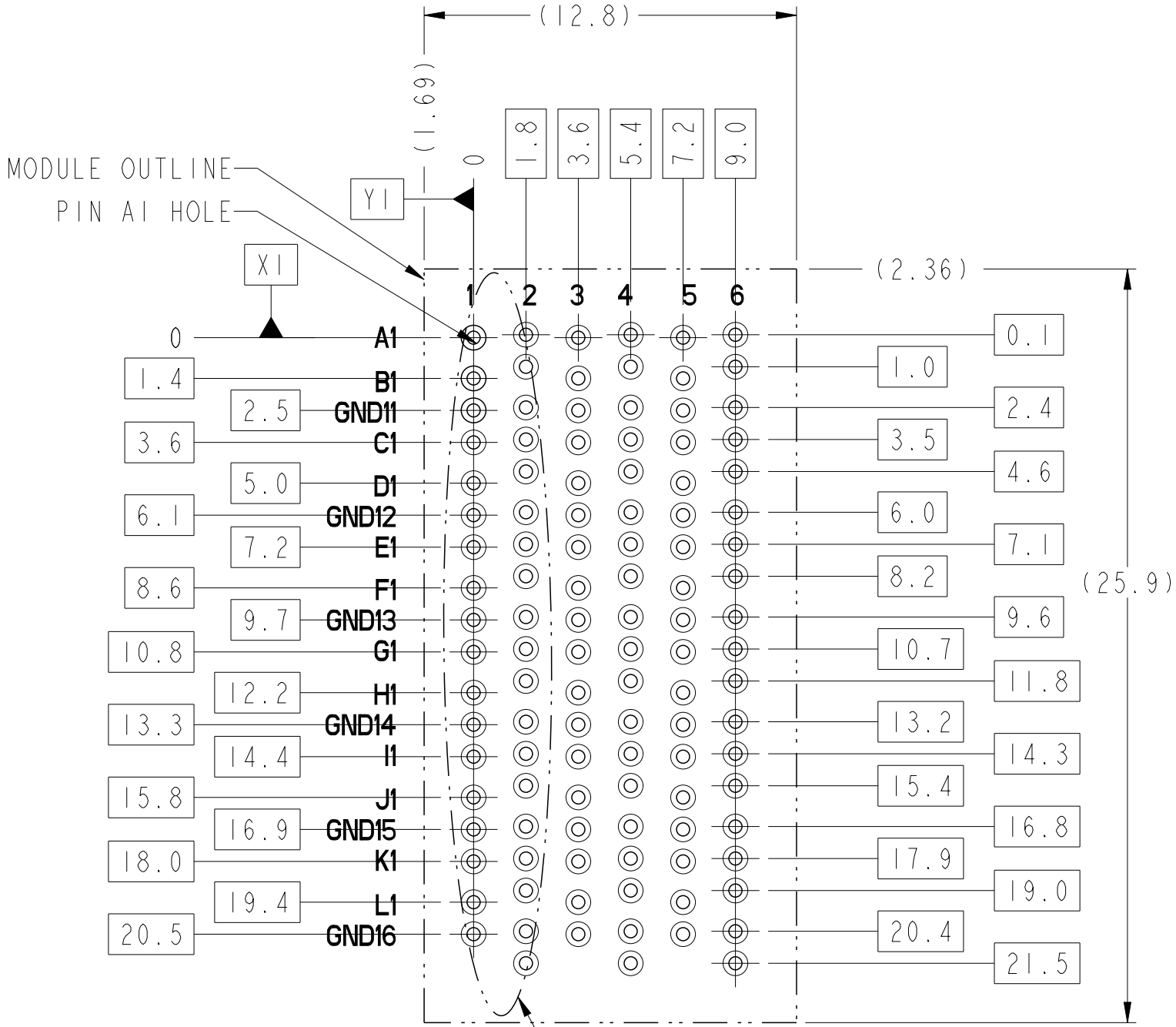
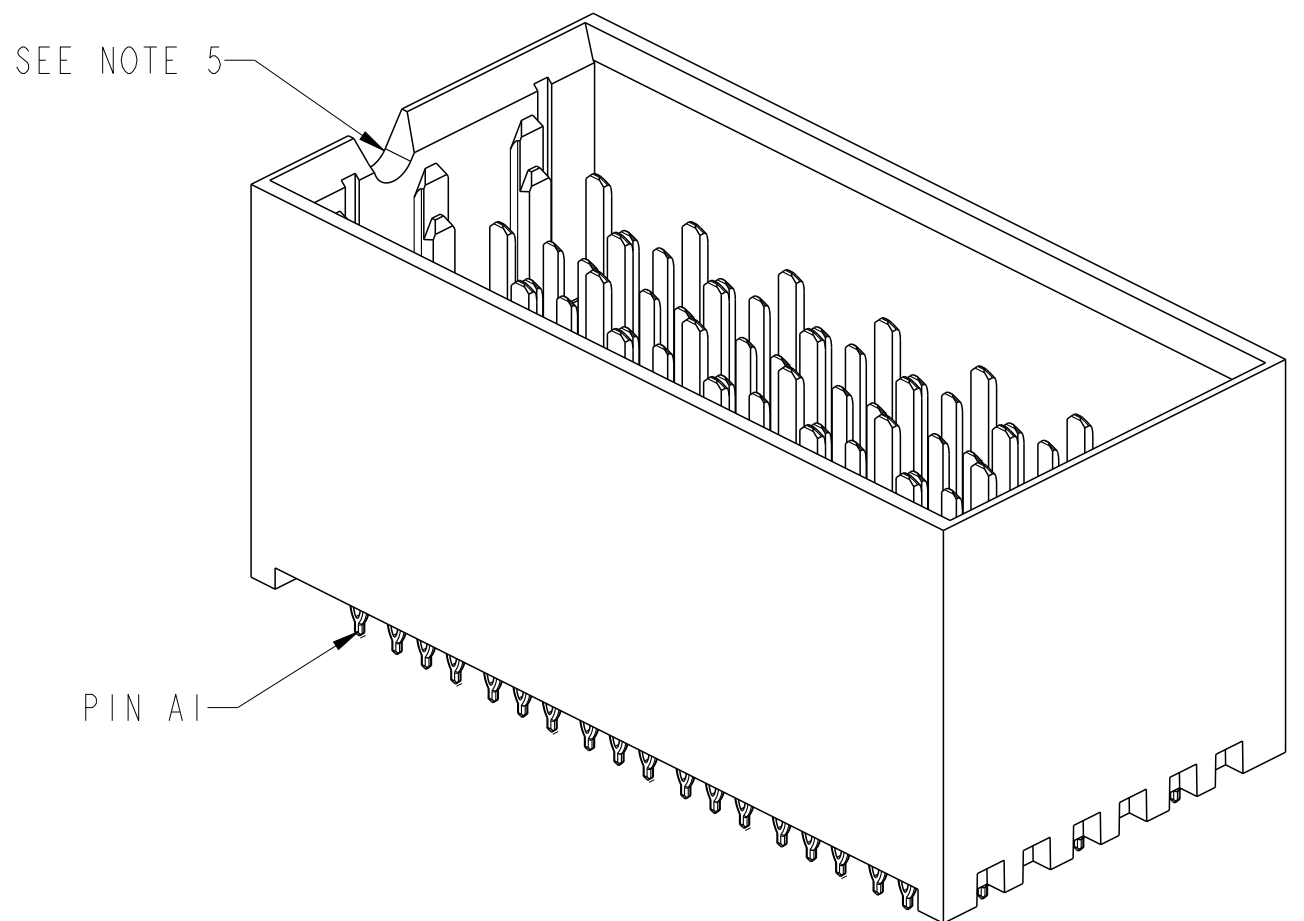
PDS: Rev :D

STATUS:Released

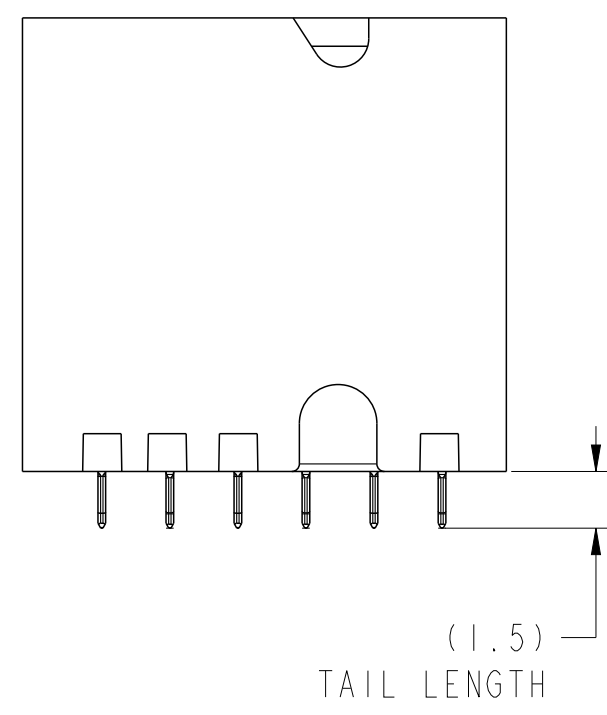
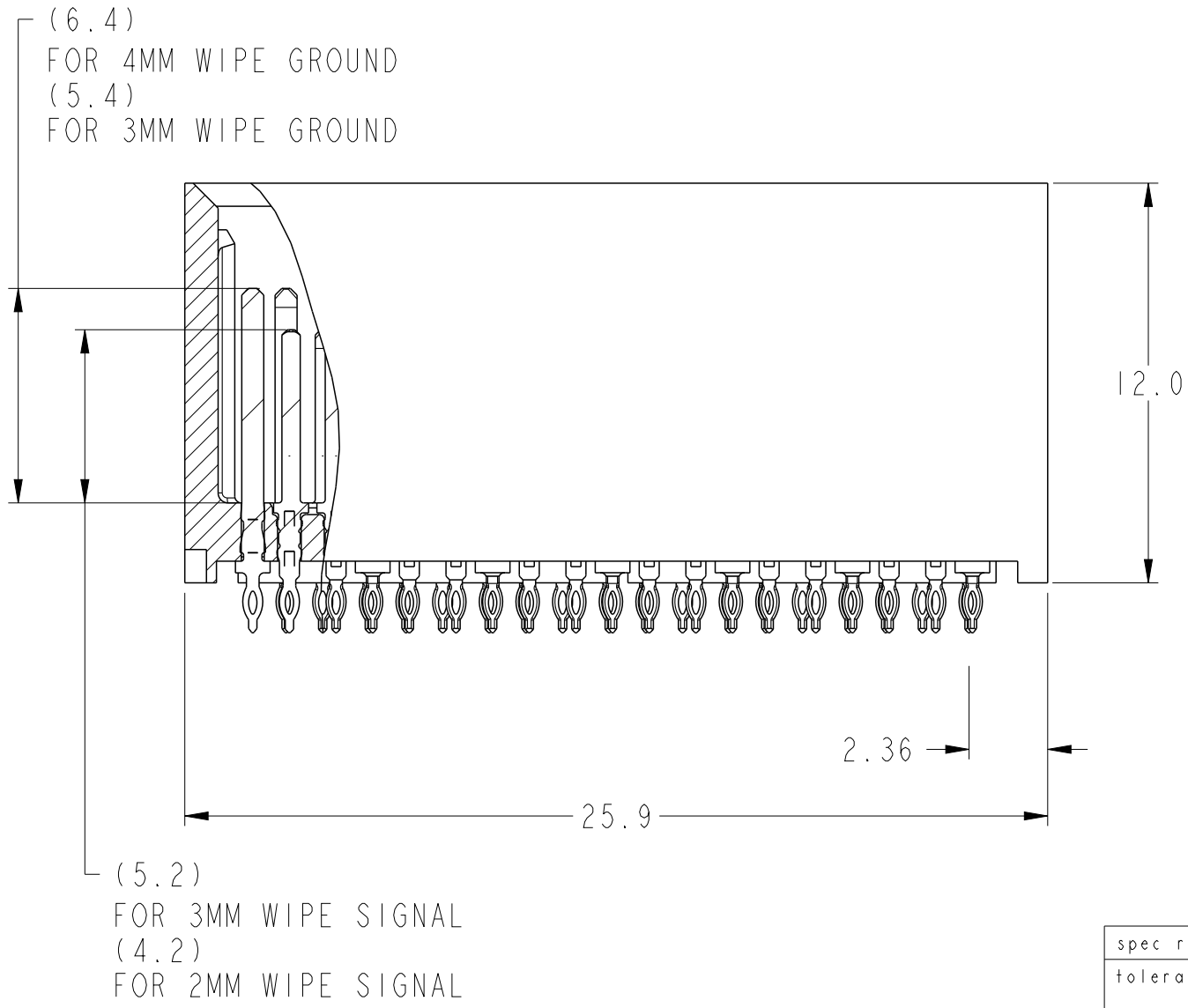
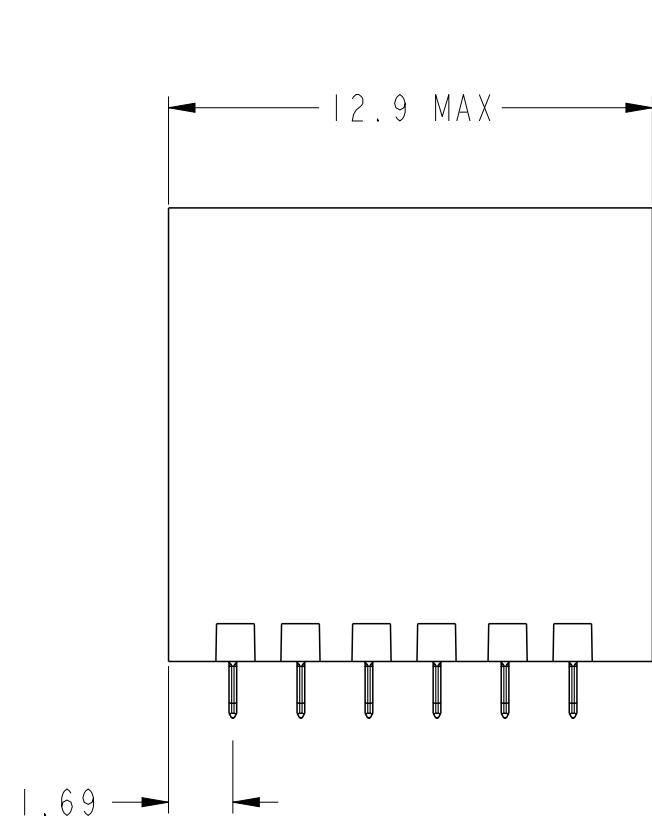
Printed: Jun 05, 2017



FOUR WALL MODULE



BP HOLE PATTERN COMPONENT SIDE
FOUR WALL MODULE BACKPLANE FOOTPRINT



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tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED	eng		Michael Song	2017/05/24					ecn no	ELX-DG-27080-1			
ASME Y14.5			chr		Stone Li	2017/06/05					rel level		Released		
			appr		Heaven Cen	2017/06/05	product family		XCEDE HD						
surface		linear	0.X	±0.3	Amphenol FCi	title	VERTICAL HEADER ASSEMBLY				dwg no	10119130		rev	D
			0.XX	±0.10											
			0.XXX	±0.05											
ASME Y14.5		angular	0°	±2°	www.fci.com	cat. no.	-	Product- Customer Drw				sheet 5 of 8			

LEFT POLARIZING / GUIDE MODULE

BP HOLE PATTERN COMPONENT SIDE
LEFT POLARIZING GUIDE MODULE
BACKPLANE FOOTPRINT

OPTIONAL KEY SEE SHEET 1
PART NUMBER TREE

SEE NOTE 5

SEE DETAIL A
ON SHEET 8 FOR PINOUT DETAILS

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

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

Ø 2.55
2.35

SEE NOTE 11 & TABLE 1

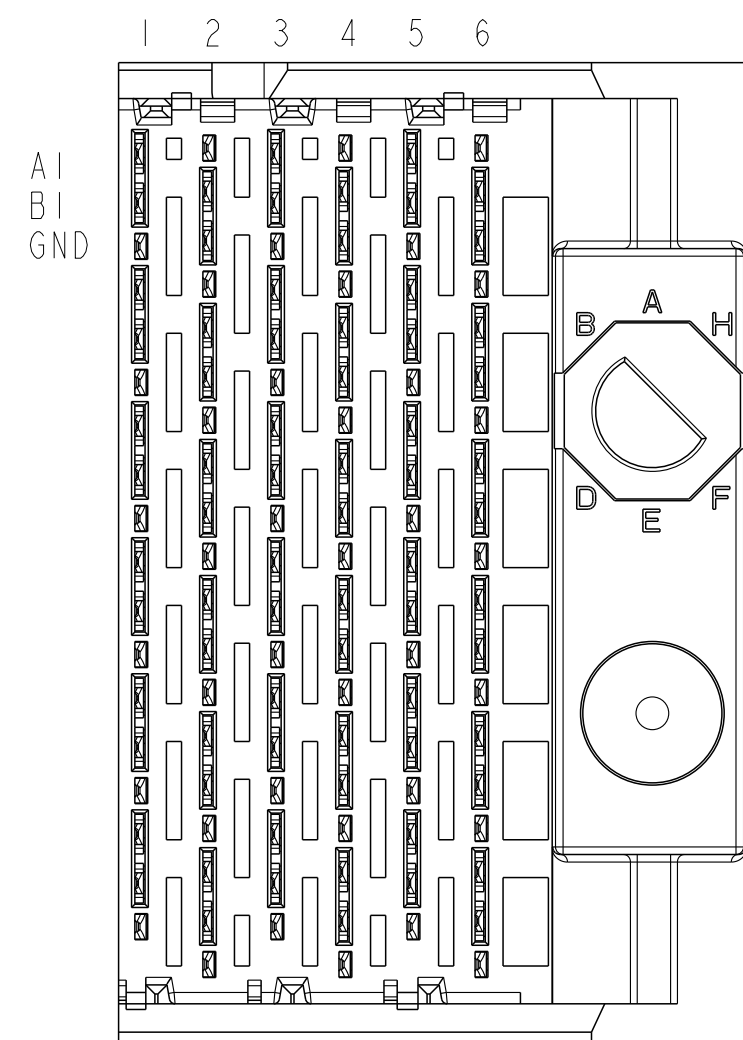
(1.5)
TAIL LENGTH

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tolerance std		-		eng		Michael Song		2017/05/24						ecn no		ELX-DG-27080-1		rel level		Released					
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Stone Li		2017/06/05								product family				XCED HD					
ASME Y14.5				appr		Heaven Cen		2017/06/05																	
surface				linear		0.X		±0.3		Amphenol FCI		title		VERTICAL HEADER ASSEMBLY		XCED HD 6 PAIR, 6 COLUMN		dwg no		10119130		rev		D	
				0.XX		±0.10																			
				0.XXX		±0.05																			
ASME Y14.5		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 6 of 8									

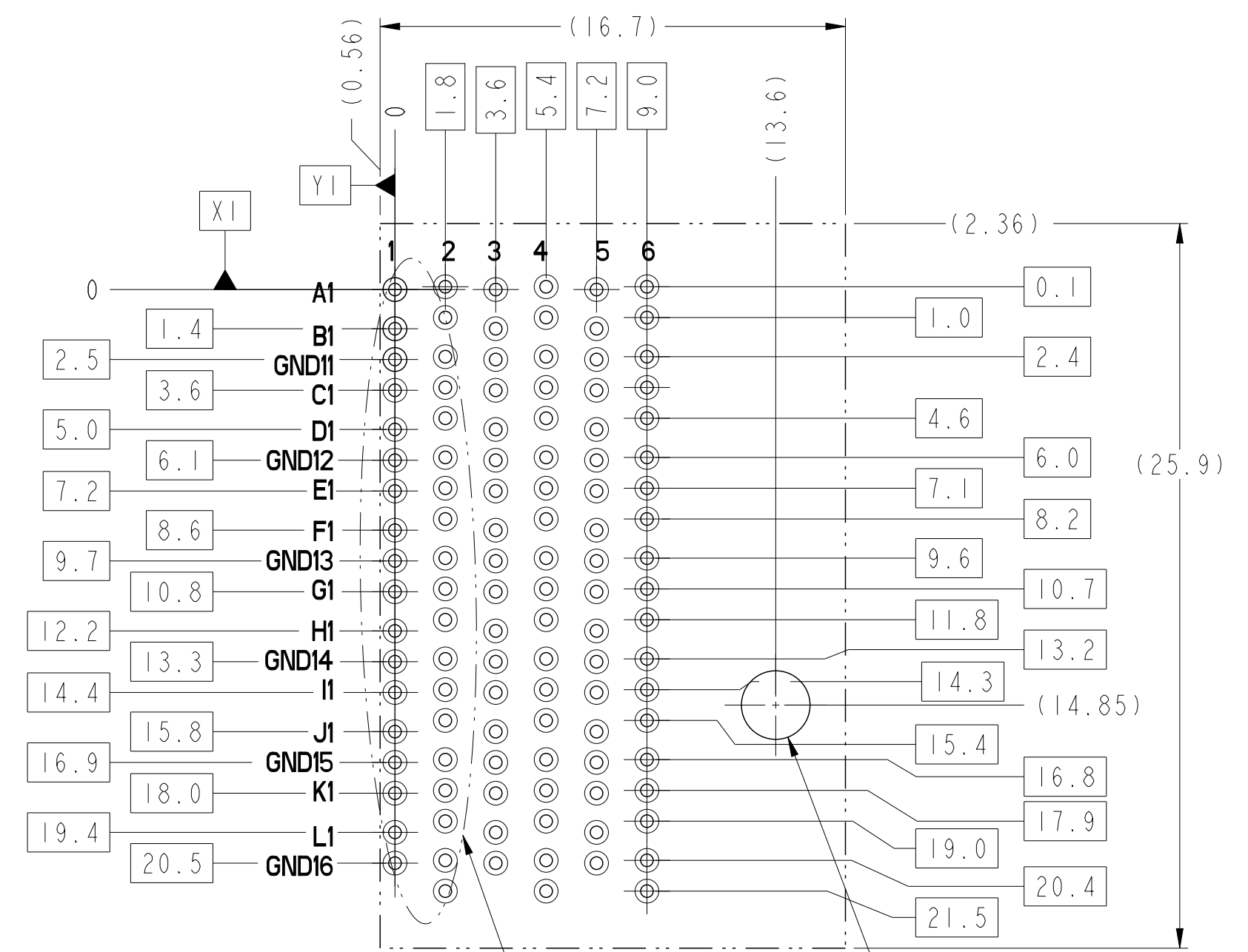
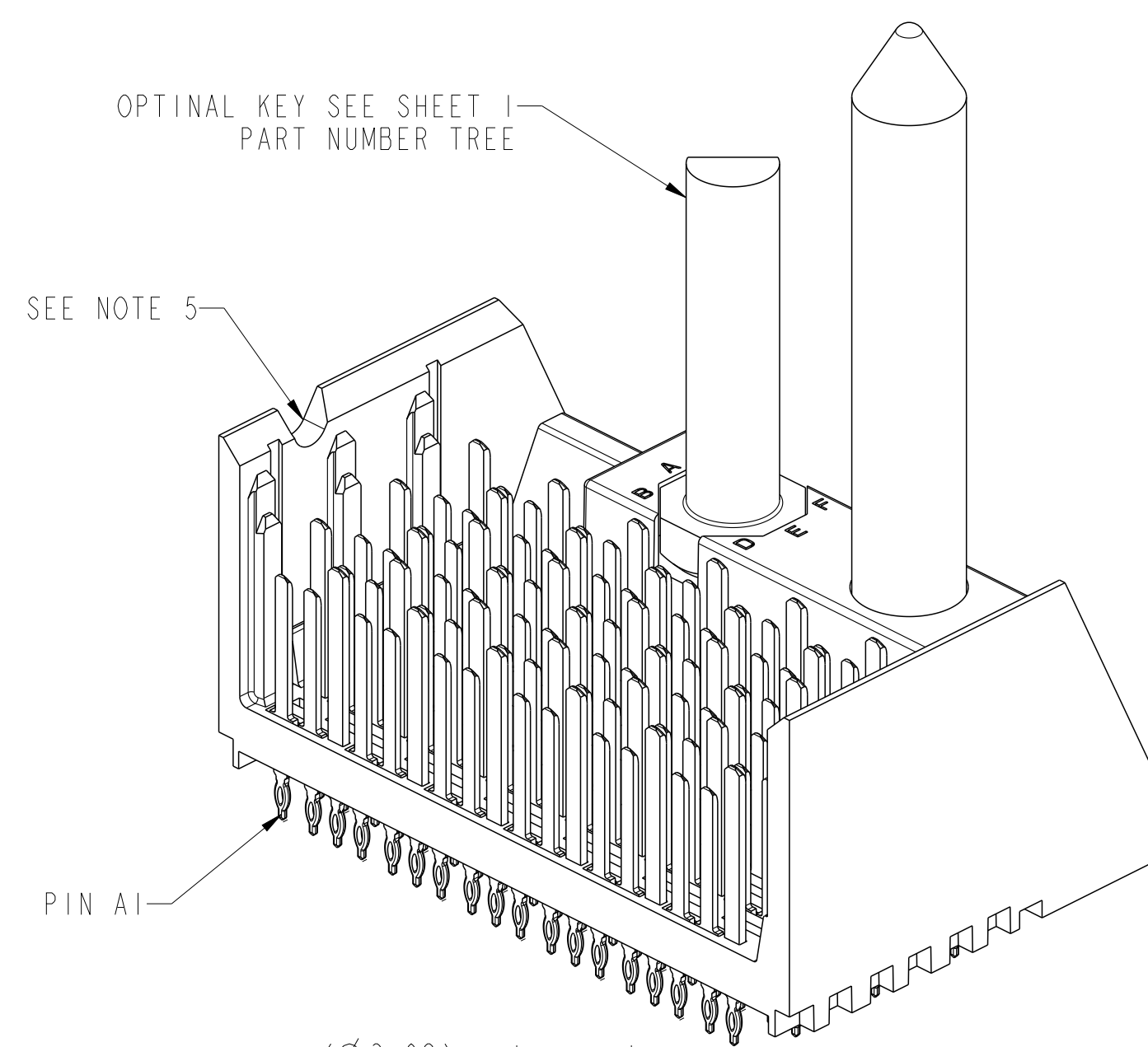
PDS: Rev :D

STATUS:Released

Printed: Jun 05, 2017



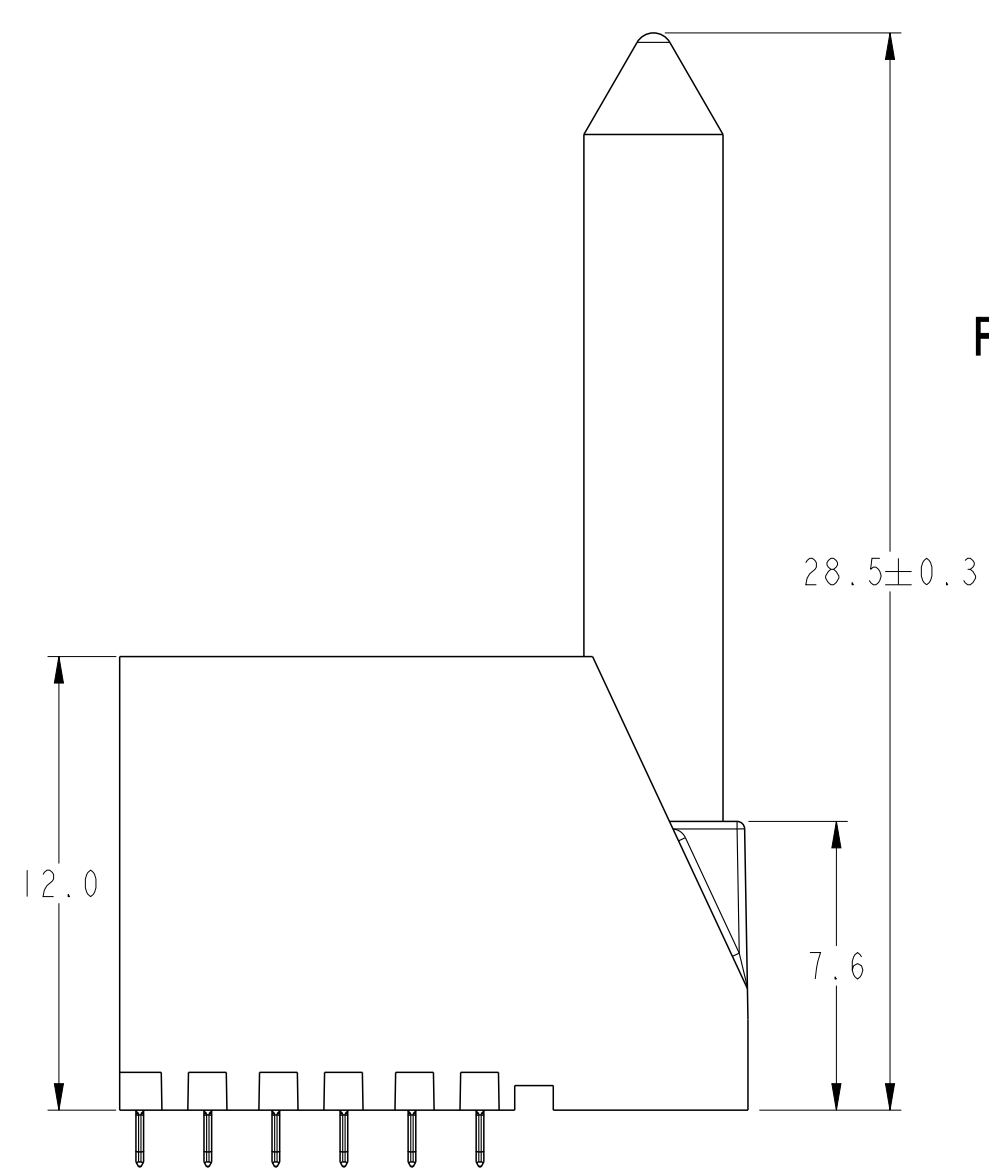
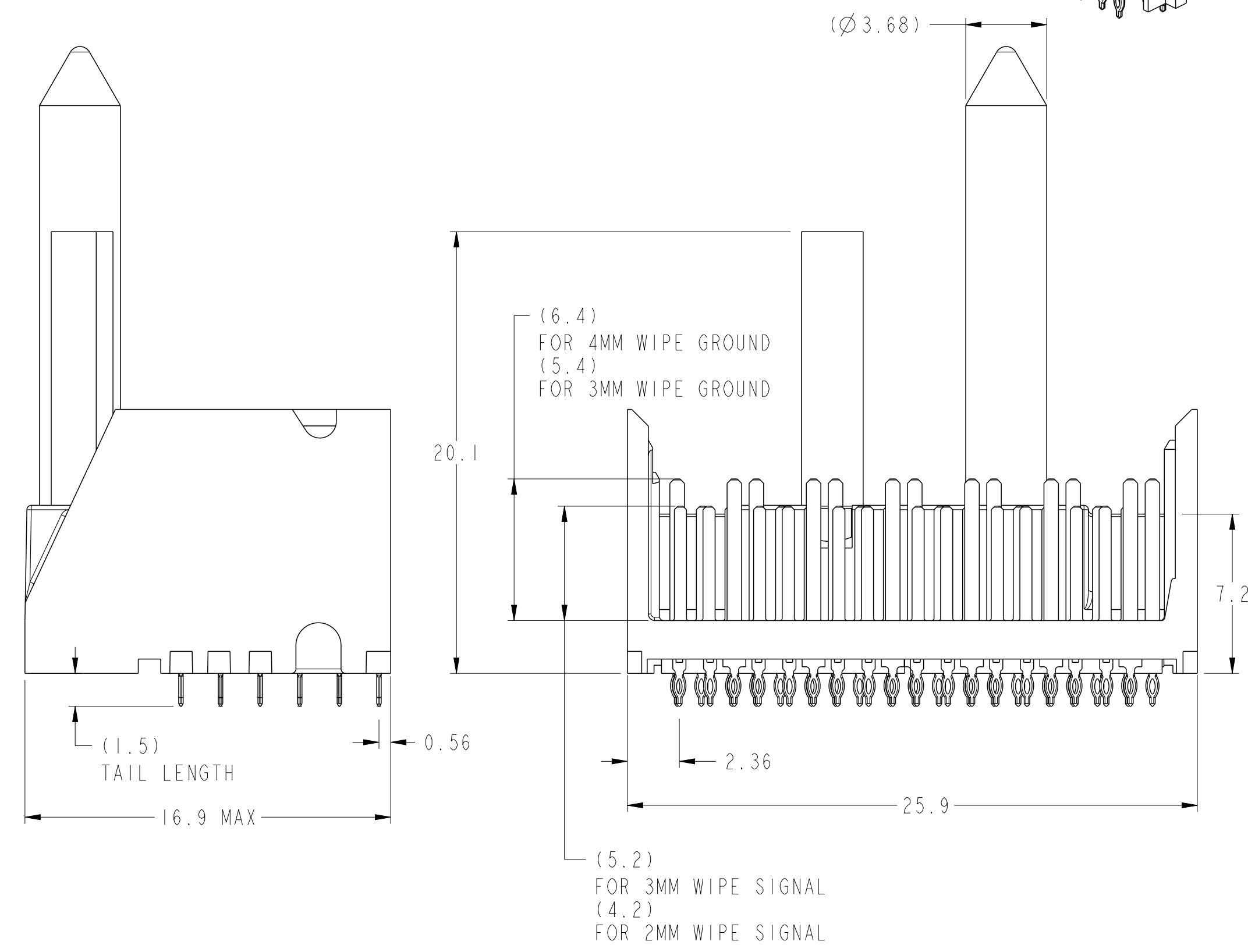
RIGHT POLARIZING GUIDE MODULE



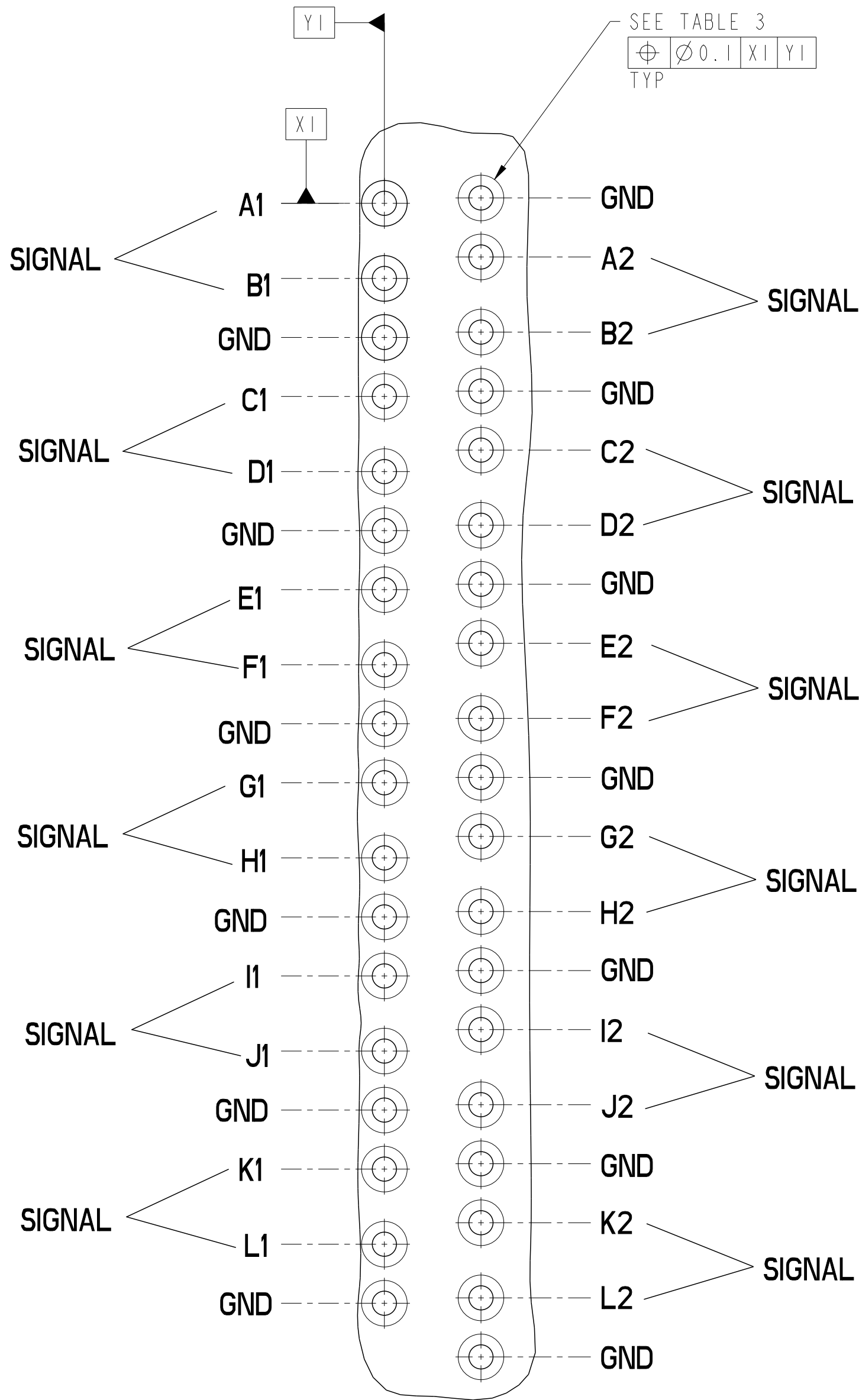
SEE DETAIL A
ON SHEET 8 FOR
PINOUT DETAILS

SEE NOTE 11 & TABLE 1

BP HOLE PATTERN COMPONENT SIDE
RIGHT POLARIZING GUIDE MODULE
BACKPLANE FOOTPRINT



spec ref	-	dr	Marty Glass	2012/02/10	projection	MM	size	A2	scale	5:1
tolerance std	-	eng	Michael Song	2017/05/24		MM	ecn no	ELX-DG-27080-1		
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	Stone Li	2017/06/05			rel level	Released		
surface	✓	appr	Heaven Cen	2017/06/05			product family	XCEDE HD		
ASME Y14.5	linear	angular	0°	±0.3	±0.10	±0.05	title	VERTICAL HEADER ASSEMBLY		
							www.fci.com	cat. no.		
								Product - Customer Drw		
								sheet 7 of 8		



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:

- 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 (10119130-X0C-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.
- 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		Marty Glass		2012/02/10		projection				MM		size		A2		scale		3:1	
tolerance std		-		eng		Michael Song		2017/05/24				ecn no		ELX-DG-27080-1		rel level		Released					
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				appr		Heaven Cen		2017/06/05															
surface				linear		0.X		±0.3		Amphenol FCI		title		VERTICAL HEADER ASSEMBLY		dwg no		10119130		rev		D	
				0.XX		±0.10		XCEDE HD 6 PAIR, 6 COLUMN															
ASME Y14.5		angular		0.XXX		±0.05																	
								±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 8 of 8					