

10115091 - X 0 E - X X X L F

8-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)	1 (ONE)										

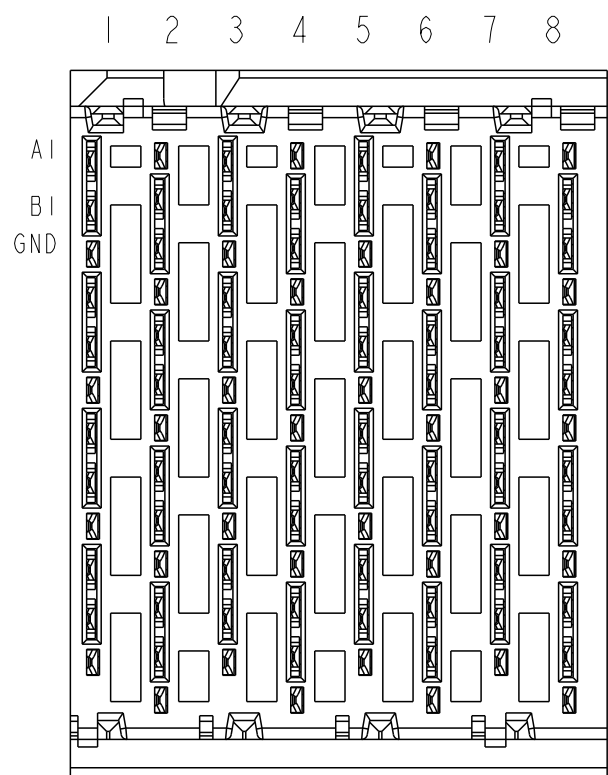
NUMBER	CONTACT MATING WIPE LENGTH		COMPLIANT TAIL TYPE (SEE NOTE 9)
	SIGNAL	GROUND	
1	2 MM	4 MM	0.55 (0.0217") DRILL
2	3 MM	4 MM	0.55 (0.0217") DRILL
3	2 MM	4 MM	0.45 MICRO (0.0177") DRILL
4	3 MM	4 MM	0.45 MICRO (0.0177") DRILL
5	2 MM	3 MM	0.55 (0.0217") DRILL
6	3 MM	3 MM	0.55 (0.0217") DRILL
7	2 MM	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 10115091-XXXX, 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		-	
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°	±2°

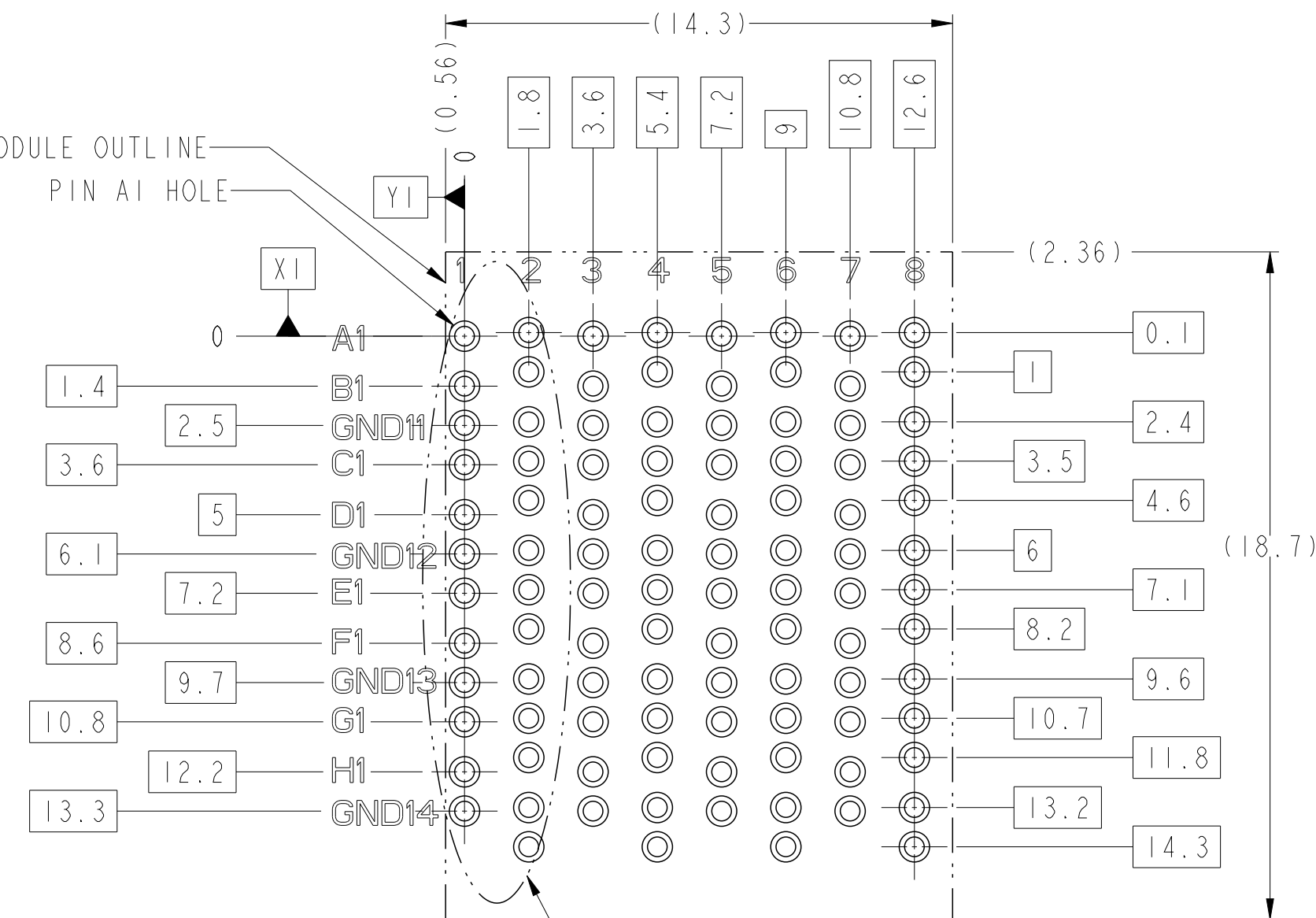
dr	Collins Lu	2011/07/27	projection 	mm 	size	A2	scale	1:1	
eng	Sandar Soe	2016/03/07			ecn no	ELX-S-17624-1			
chr	-	-	product family		rel level				Released
appr	Chen-Hong Tan	2016/03/17			-				
Amphenol FCI		title	MODULE ASSEMBLY, XCEDE HD			dwg no	10115091		rev
			Veritcal Header, 4 Pair 8 Column				E		
www.fci.com		cat. no.	-	Product - Customer Drw				sheet 1 of 8	



SEE NOTE 5

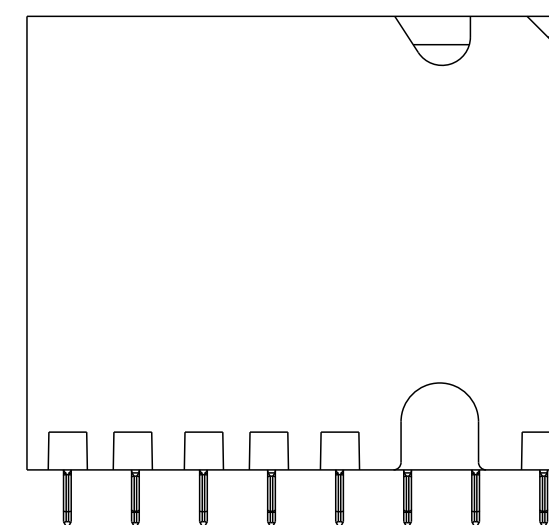
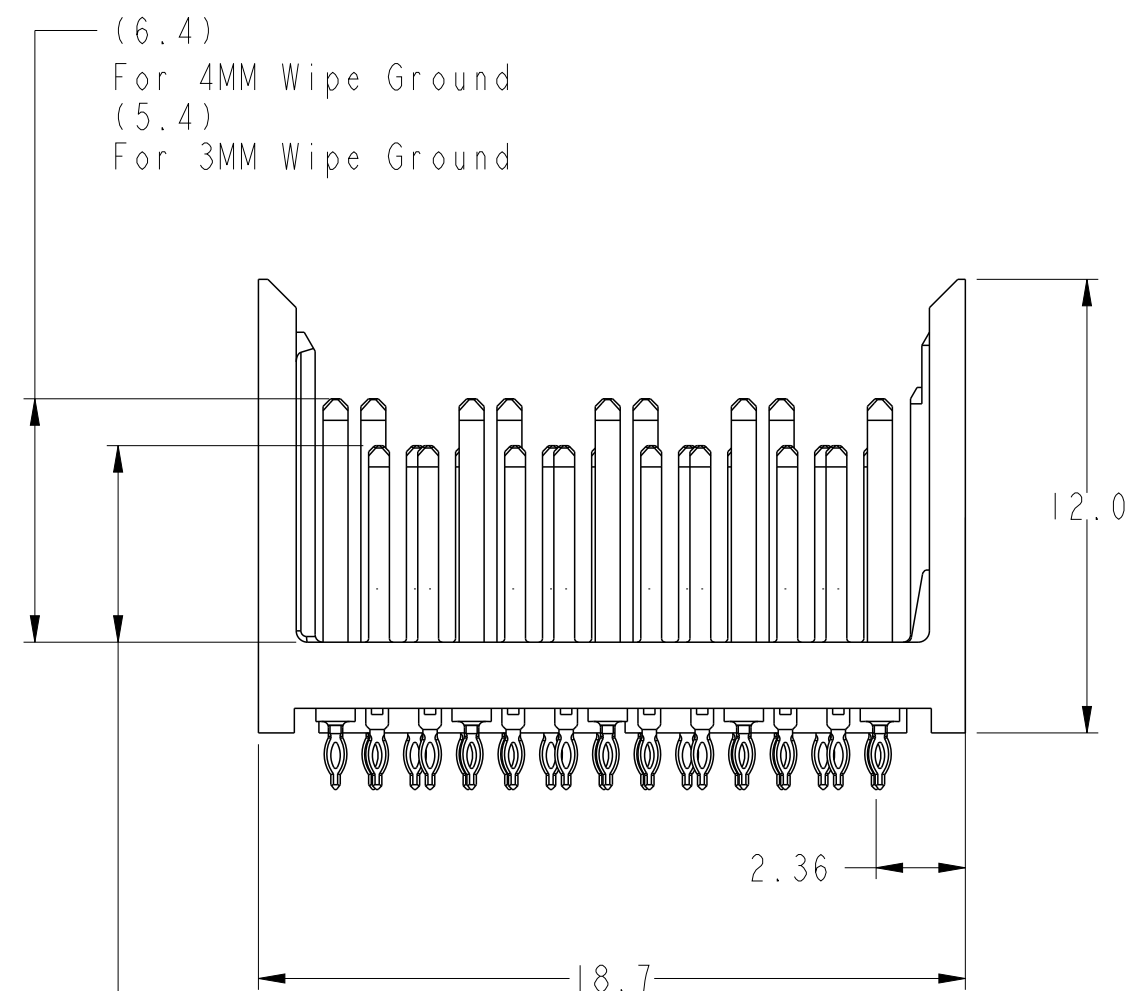
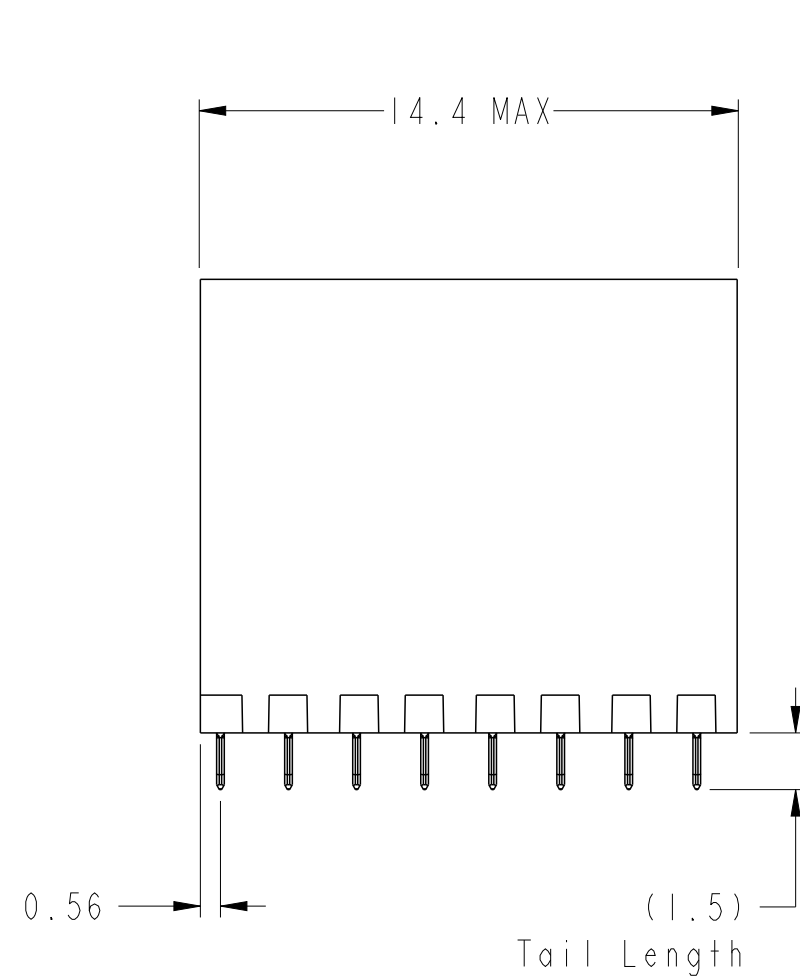
PIN A1

MODULE OUTLINE
PIN A1 HOLE



SEE DETAIL A
On Sheet 8 For Details

BP HOLE PATTERN COMPONENT SIDE OPEN WALL MODULE BACKPLANE FOOTPRINT

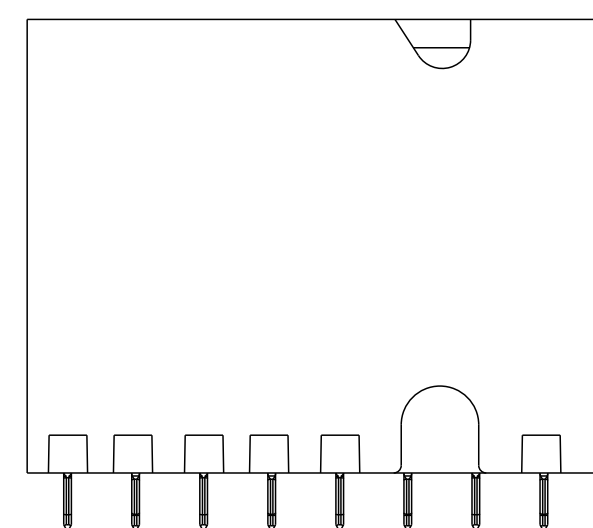
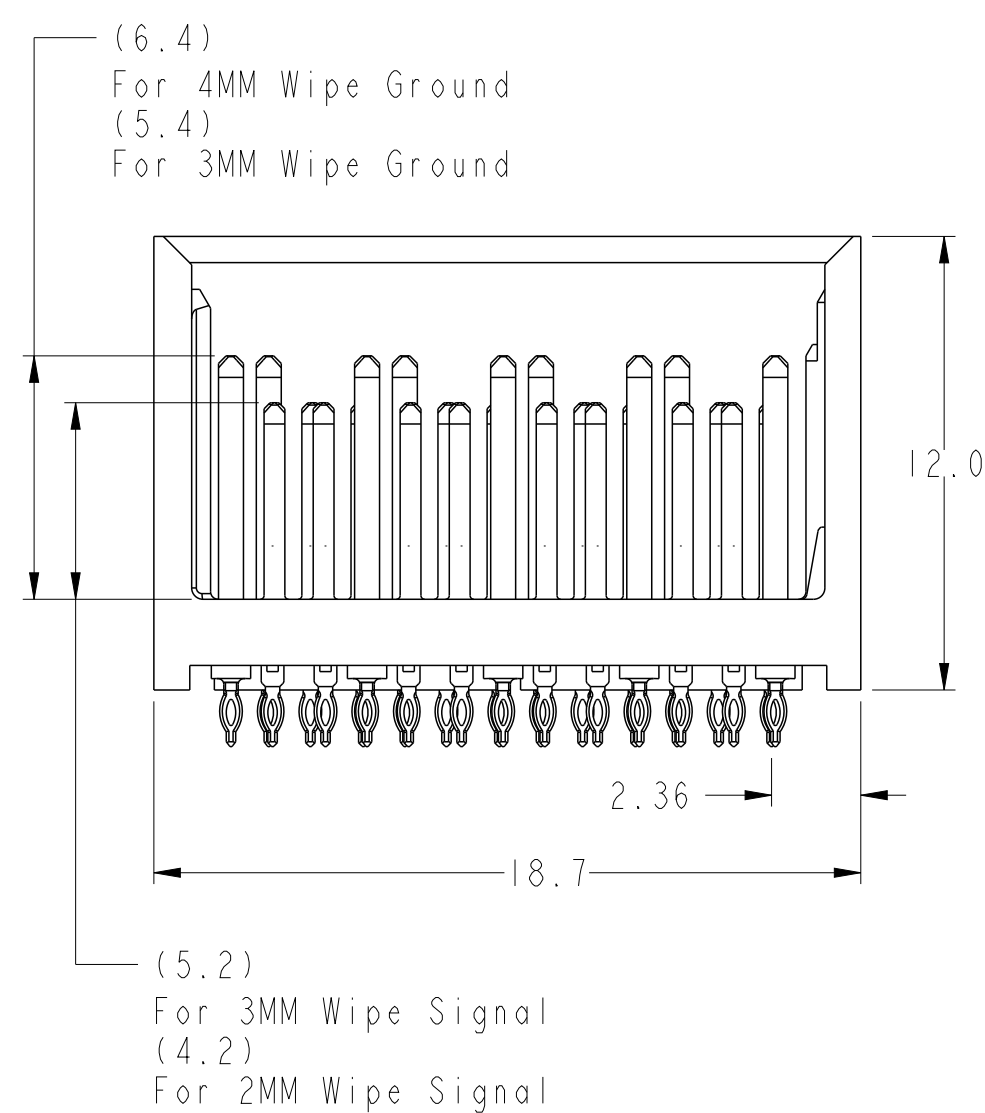
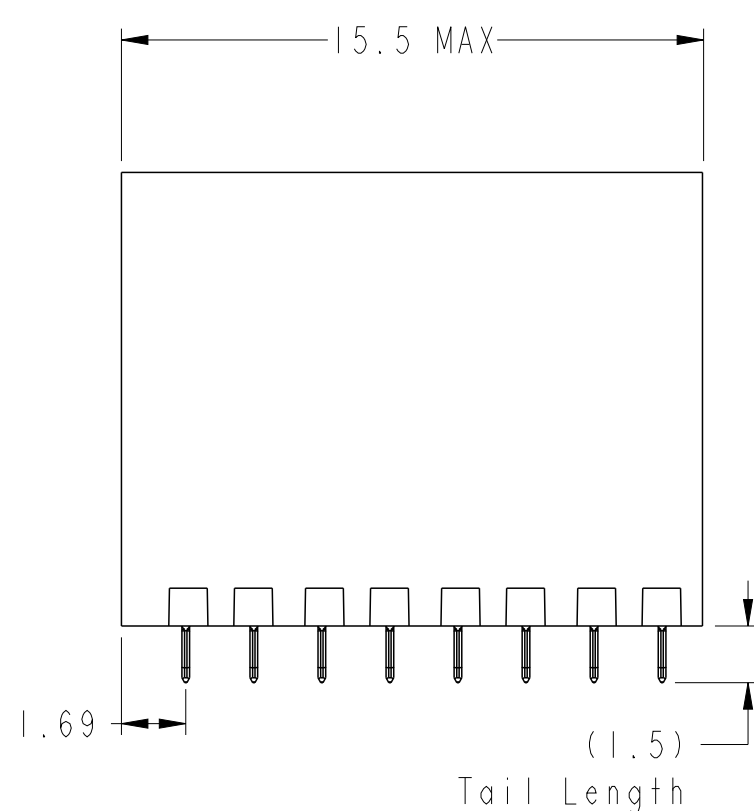
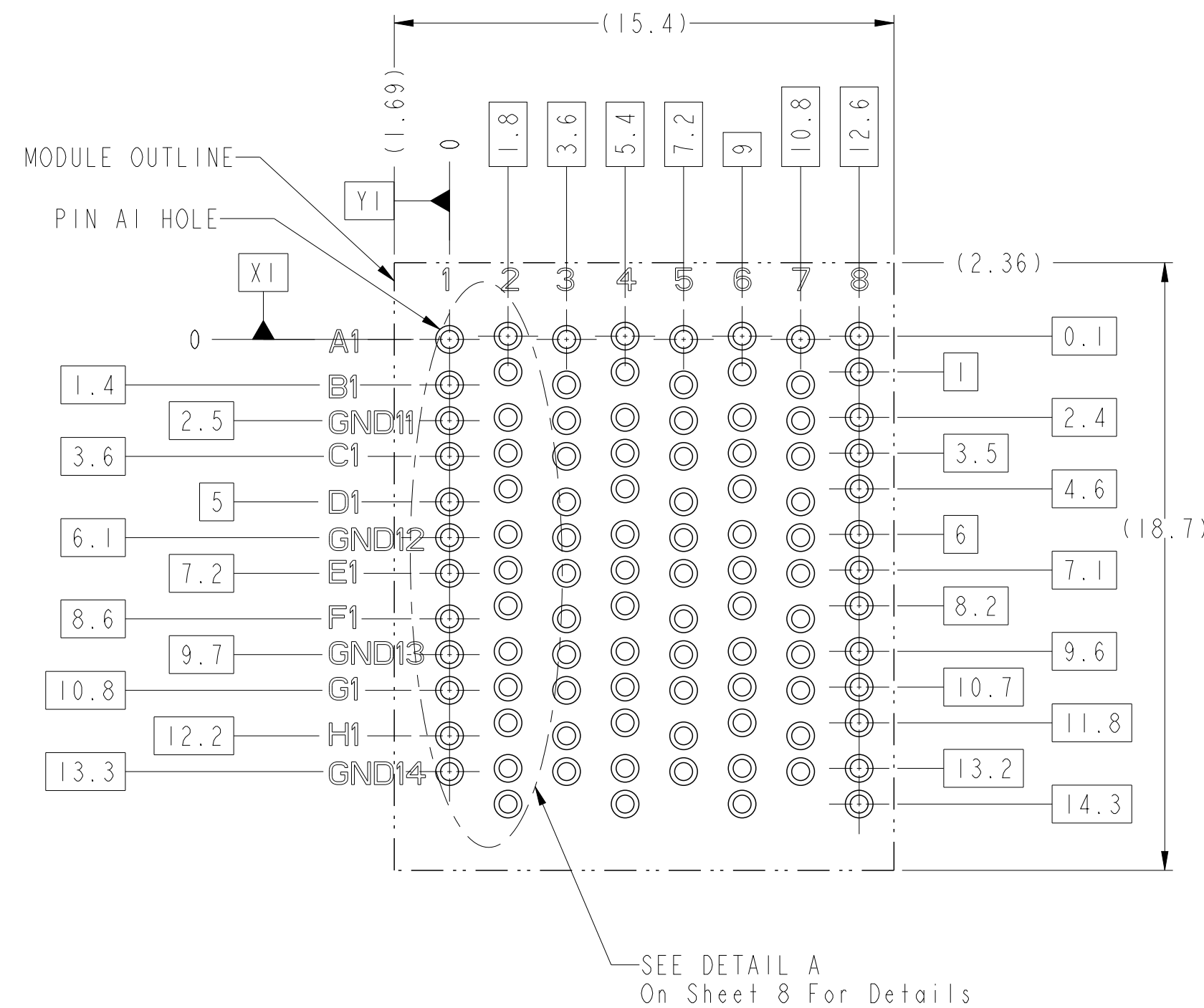
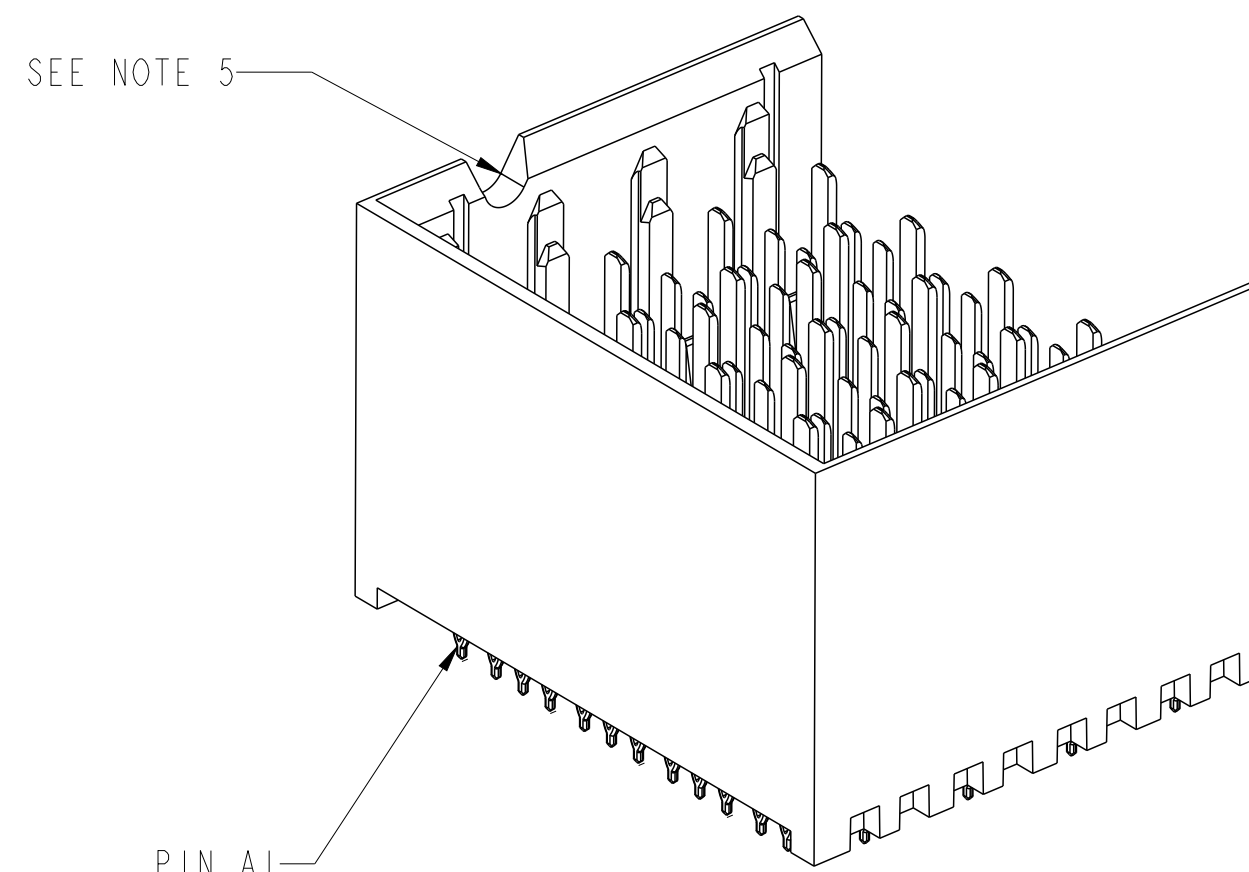


spec ref		-		dr		Collins Lu		2011/07/27		projection		mm		size		A2		scale		1:1	
tolerance std		ISO 406		ISO 1101		eng		Sandar Soe		2016/03/07						ecn no		ELX-S-17624-1			
		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		-				product family		-		rel level		Released			
appr		Chen-Hong Tan		2016/03/17																	
surface				linear		0.X		±0.3		Amphenol FCI		title		MODULE ASSEMBLY, XCEDE HD		dwg no		10115091		rev	
						0.XX		±0.10						Veritcal Header, 4 Pair 8 Column						E	
						0.XXX		±0.05													
ISO 1302				angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 2 of 8			

PDS: Rev :E

STATUS:Released

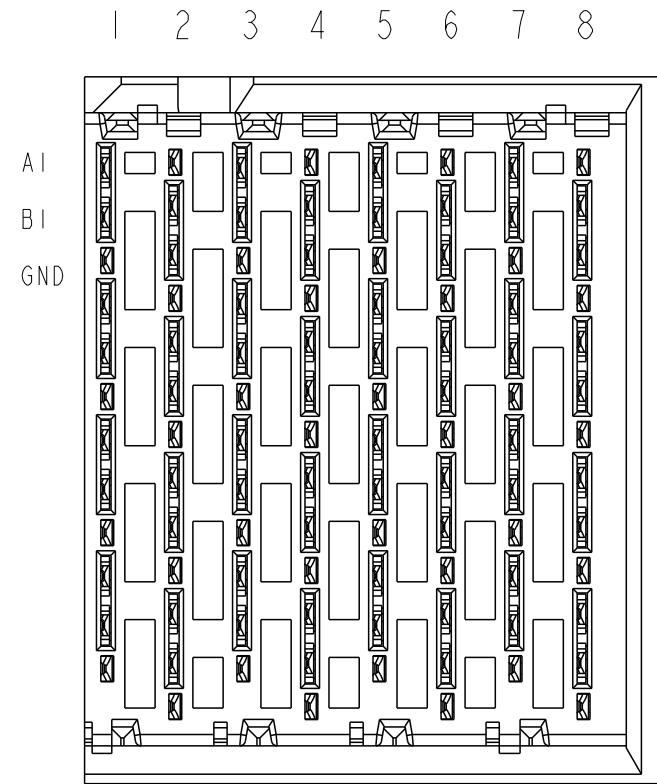
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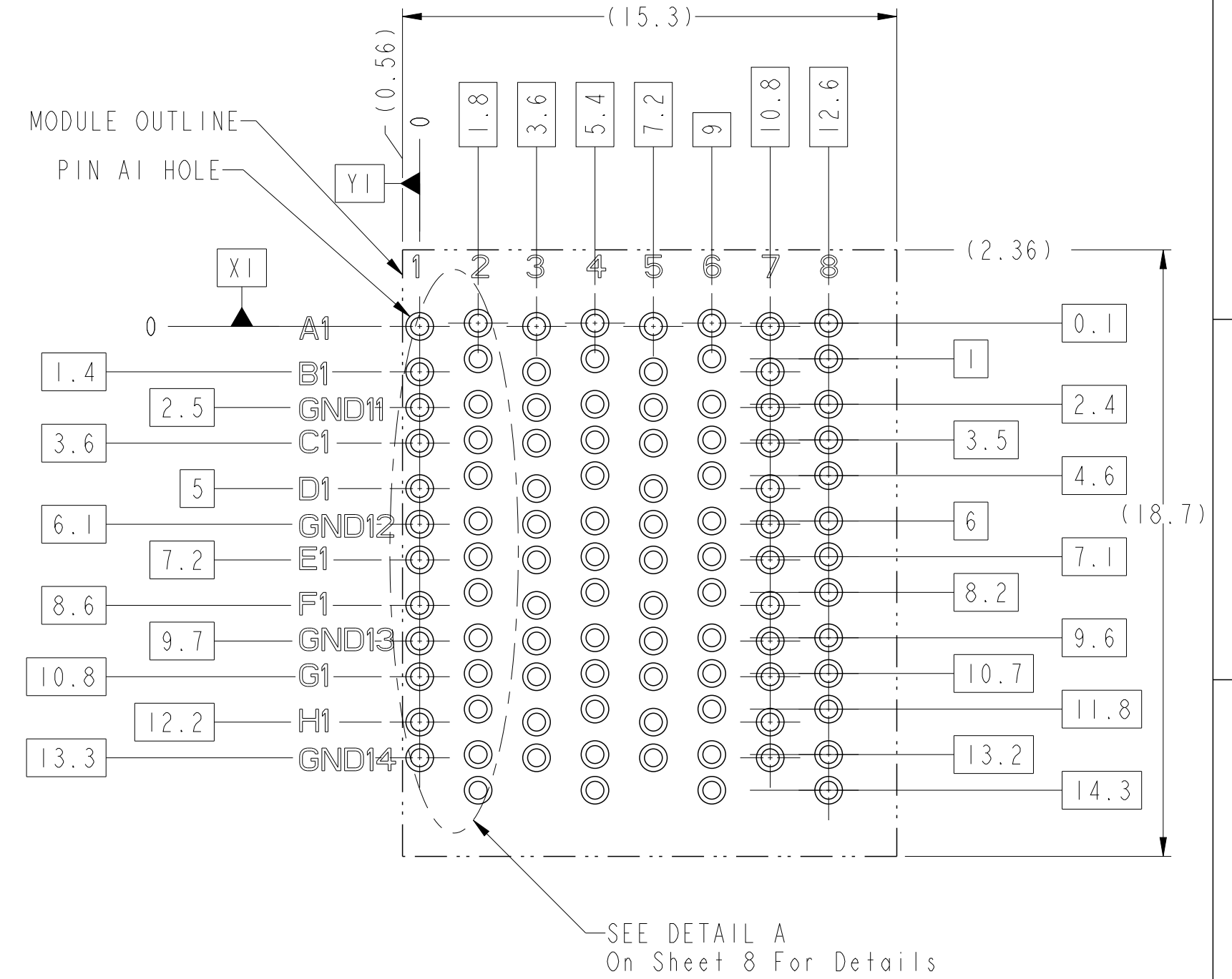
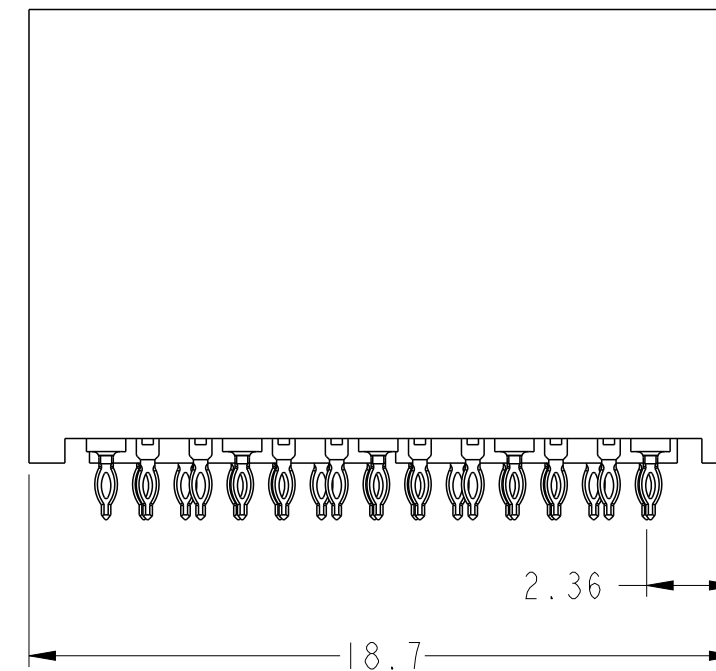
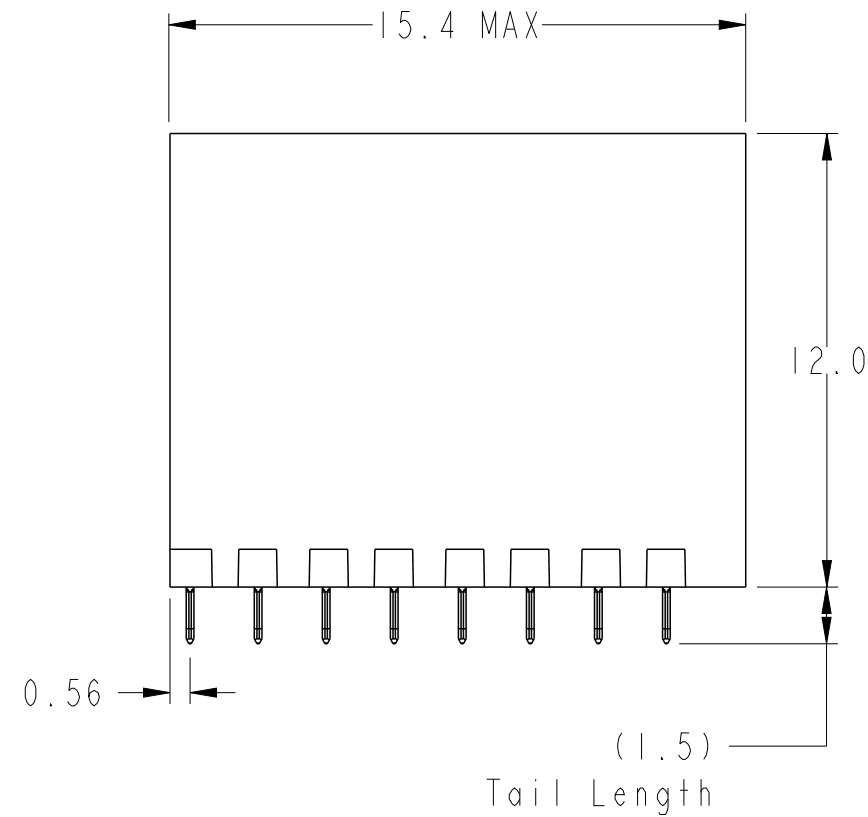
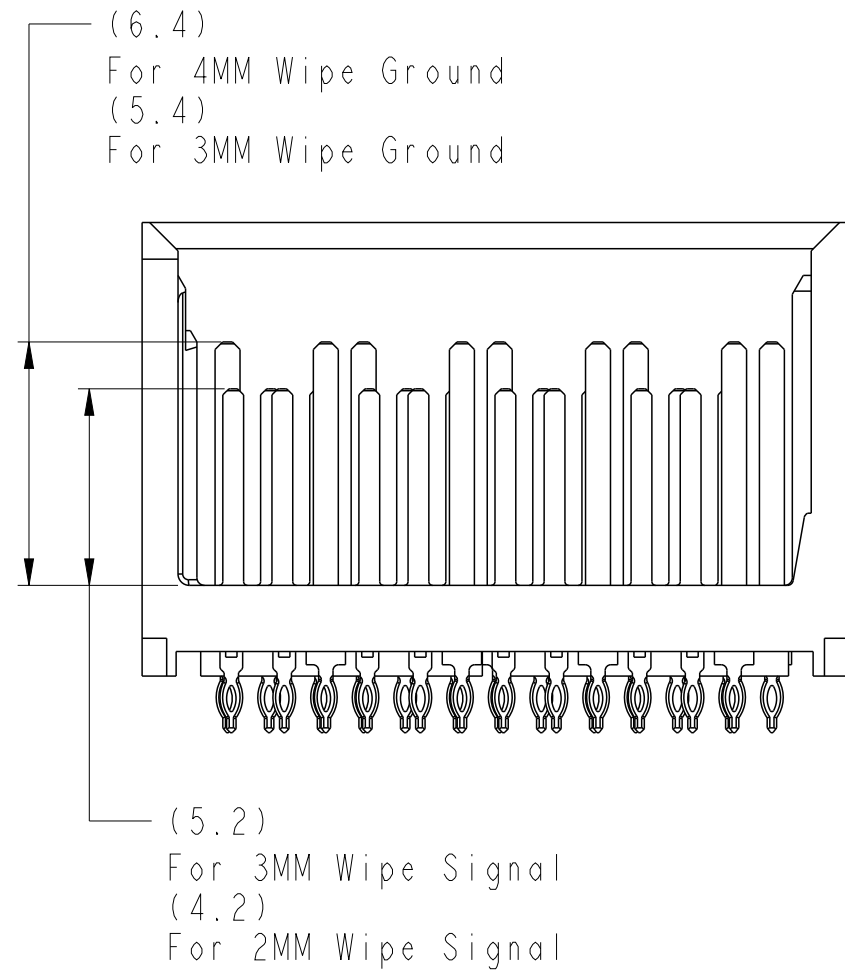
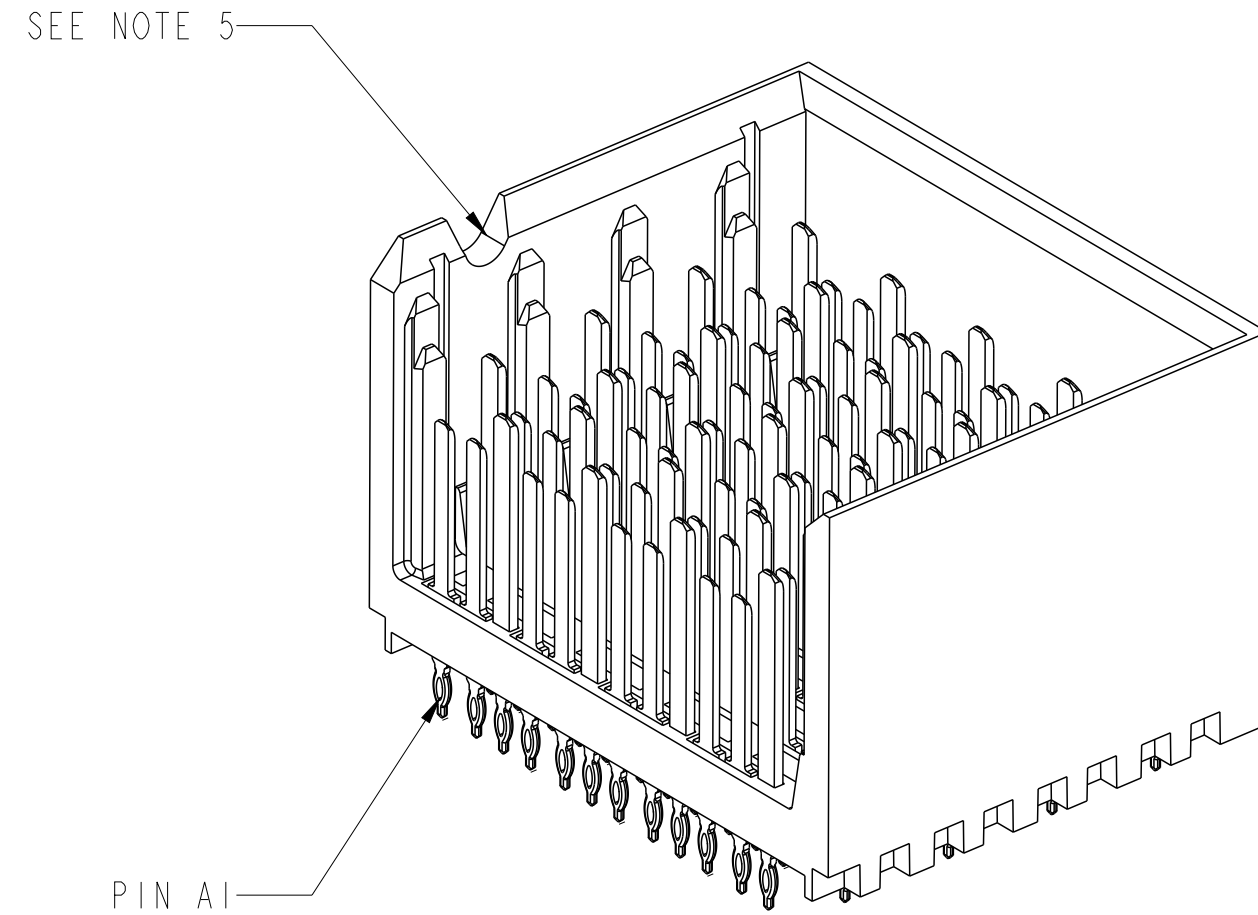
BP HOLE PATTERN COMPONENT SIDE

LEFT WALL MODULE BACKPLANE FOOTPRINT

spec ref -		dr Collins Lu		2011/07/27		projection		size A2		scale 1:1	
tolerance std		eng Sander See		2016/03/07				mm		ecn no ELX-S-17624-1	
ISO 406 ISO 1101		chr -		-							
TOLERANCES UNLESS OTHERWISE SPECIFIED		appr Chen-Hong Tan		2016/03/17		product family		-		rel level Released	
surface		linear		0.X ±0.3 0.XX ±0.10 0.XXX ±0.05		MODULE ASSEMBLY, XCEDE HD		dwg no 10115091		rev	
ISO 1302		angular		0° ±2°		Veritcal Header, 4 Pair 8 Column		Product - Customer Drw		sheet 3 of 8	

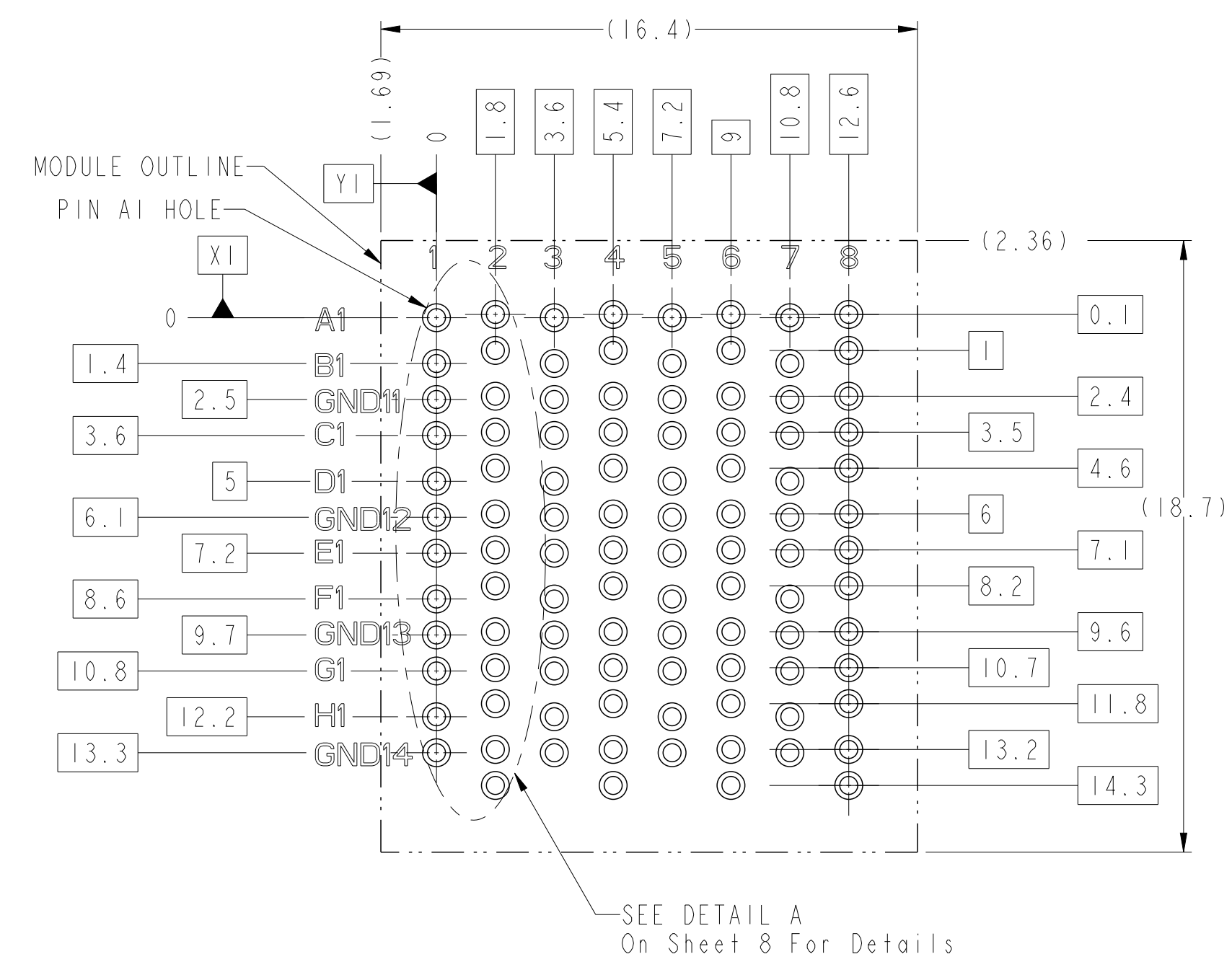
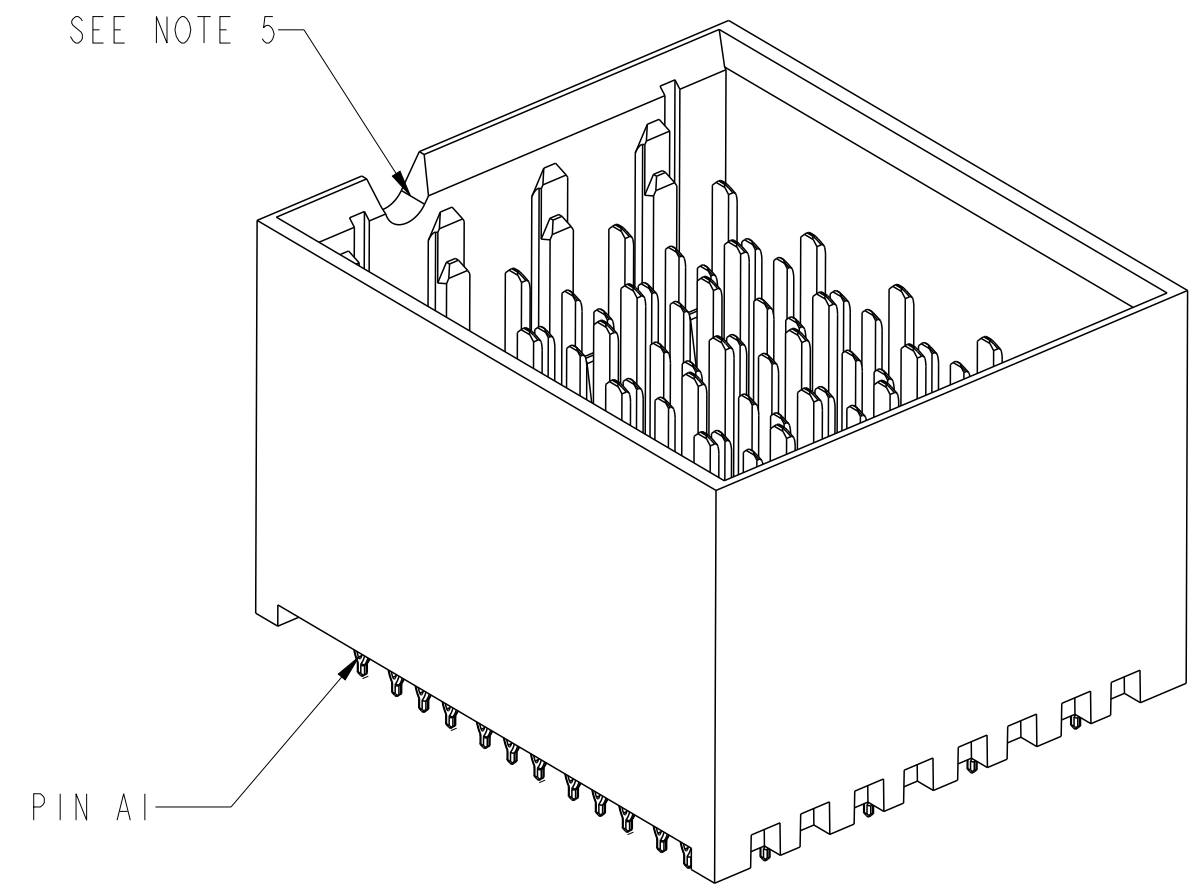
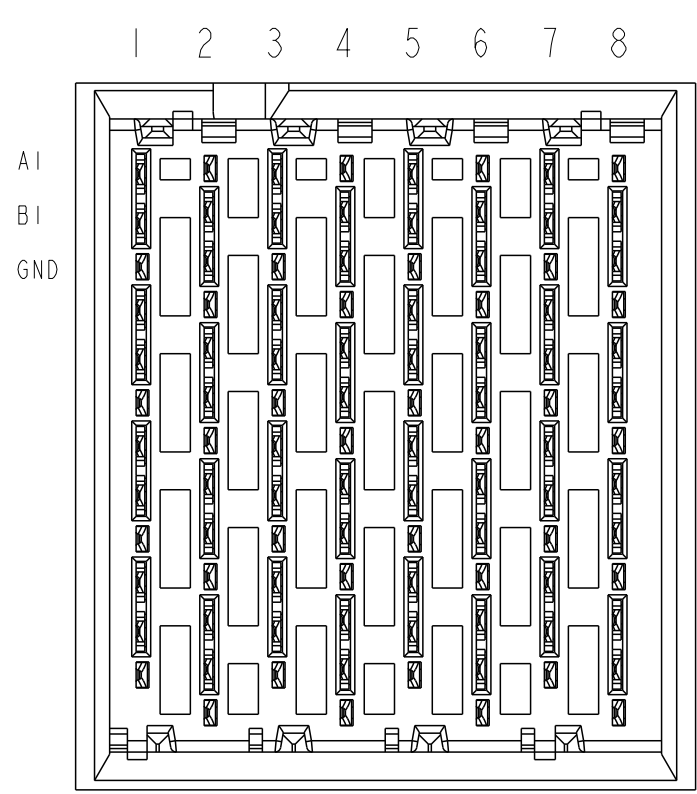


RIGHT WALL MODULE



BP HOLE PATTERN COMPONENT SIDE
RIGHT WALL MODULE BACKPLANE FOOTPRINT

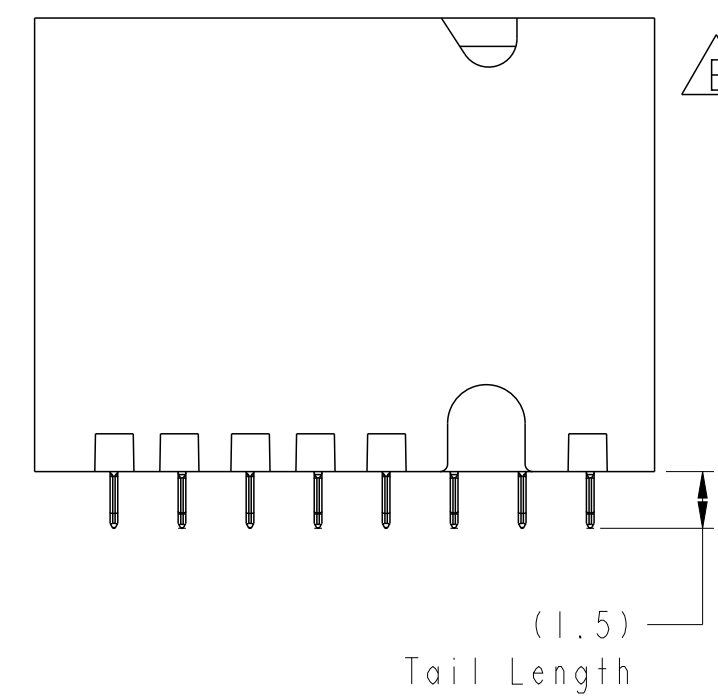
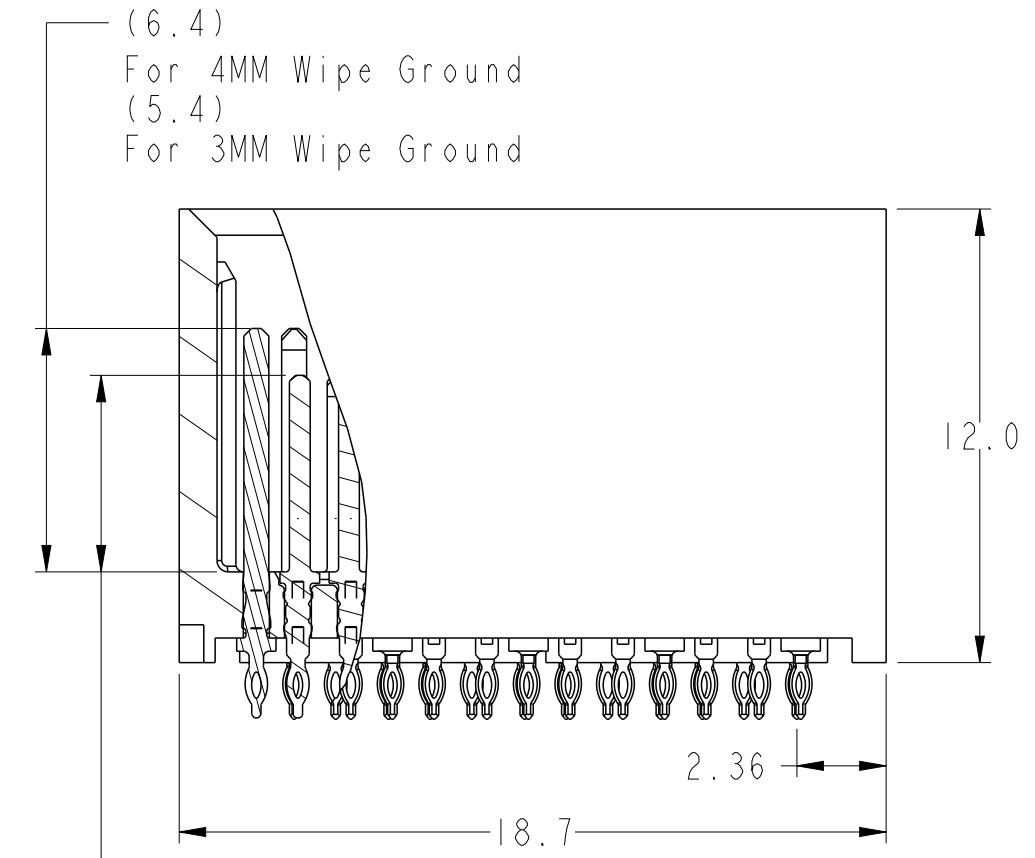
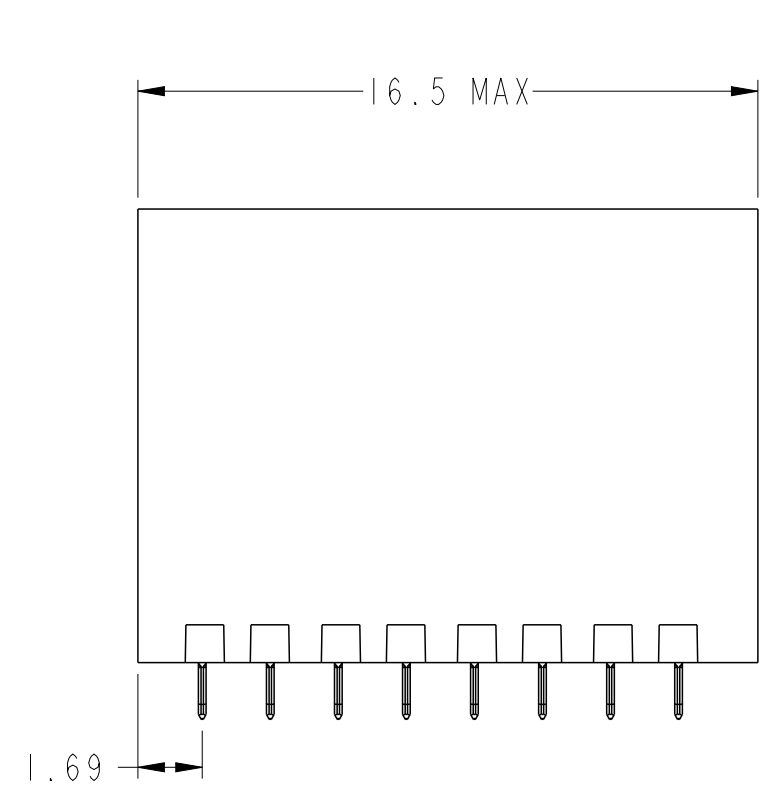
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tolerance std	ISO 406 ISO 1101	eng	Sandar Soe	2016/03/07	chr	-	ecn no	ELX-S-17624-1	rel level	Released
surface	ISO 1302	appr	Chen-Hong Tan	2016/03/17	product family	-	cat. no.	-	Product - Customer Drw	sheet 4 of 8
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	Amphenol FCi	title	MODULE ASSEMBLY, XCEDE HD Veritcal Header, 4 Pair 8 Column	dwg no	10115091	rev	E		
angular	0° ±2°	www.fci.com								



△ FOUR WALL MODULE

BP HOLE PATTERN COMPONENT SIDE

△ FOUR WALL MODULE BACKPLANE FOOTPRINT



(5.2)
For 3MM Wipe Signal
(4.2)
For 2MM Wipe Signal

spec ref	-	dr	Collins Lu	2011/07/27	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	rev
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	Amphenol FCI	title	MODULE ASSEMBLY, XCEDE HD	dwg no	10115091	rev	E		
angular	0° ±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 5 of 8				

LEFT POLARIZING/GUIDE MODULE

Optional Key See Sheet 1
Part Number Tree

SEE NOTE 5

SEE NOTE 11 & TABLE 1

PIN A1 HOLE

MODULE OUTLINE

Y1

A1

B1

GND11

C1

D1

GND12

E1

F1

GND13

G1

H1

GND14

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

AA

AB

AC

AD

AE

AF

AG

AH

AI

AJ

AK

AL

AM

AN

AO

AP

AQ

AR

AS

AT

AU

AV

AW

AX

AY

AZ

BA

BB

BC

BD

BE

BF

BG

BH

BI

BJ

BK

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BM

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BO

BP

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BR

BS

BT

BU

BV

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BX

BY

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CA

CB

CC

CD

CE

CF

CG

CH

CI

CJ

CK

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CN

CO

CP

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HL

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HO

HP

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JO

JP

JQ

JR

JS

JT

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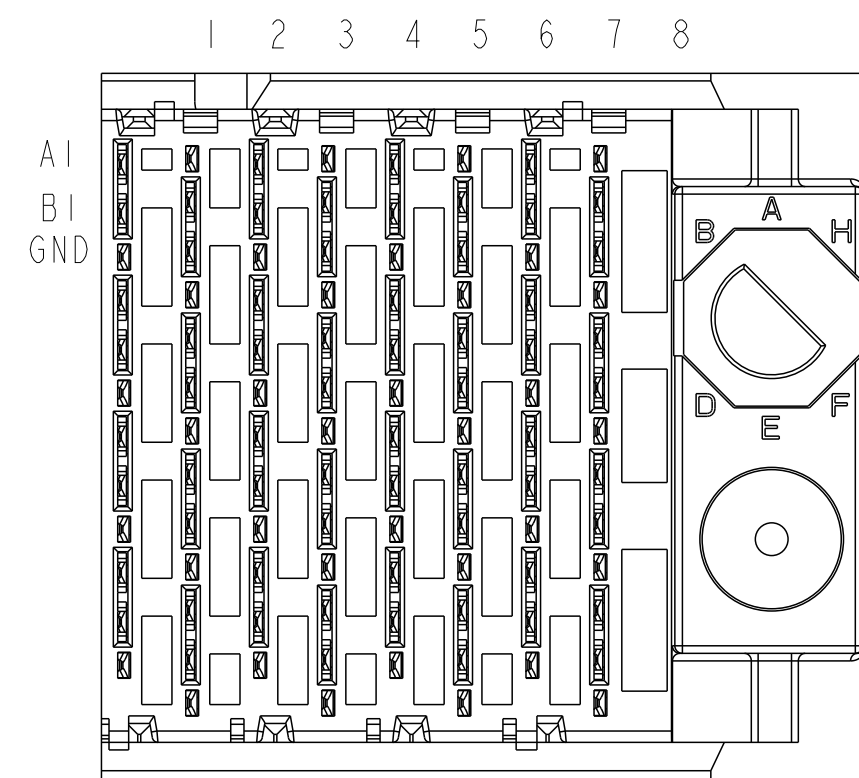
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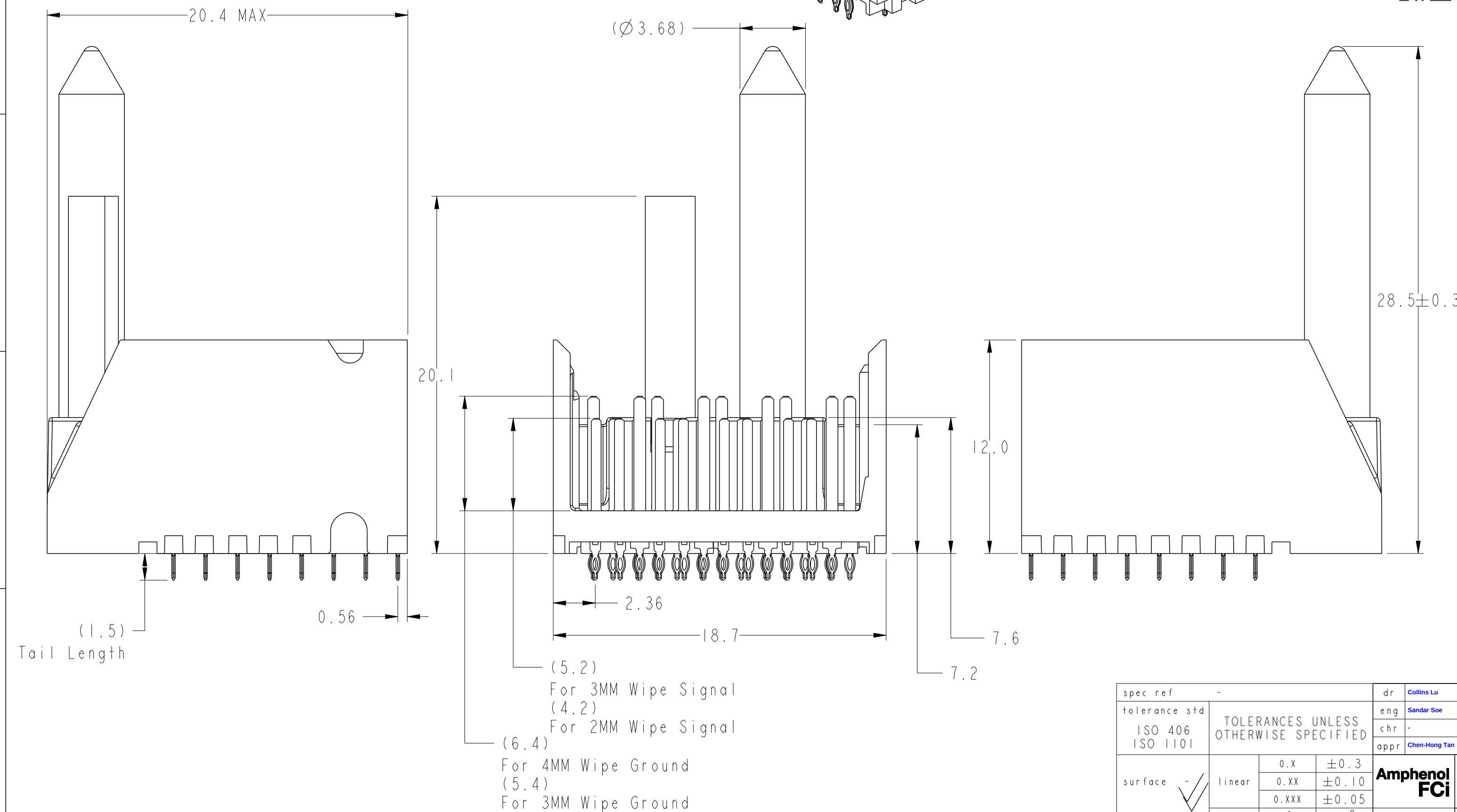
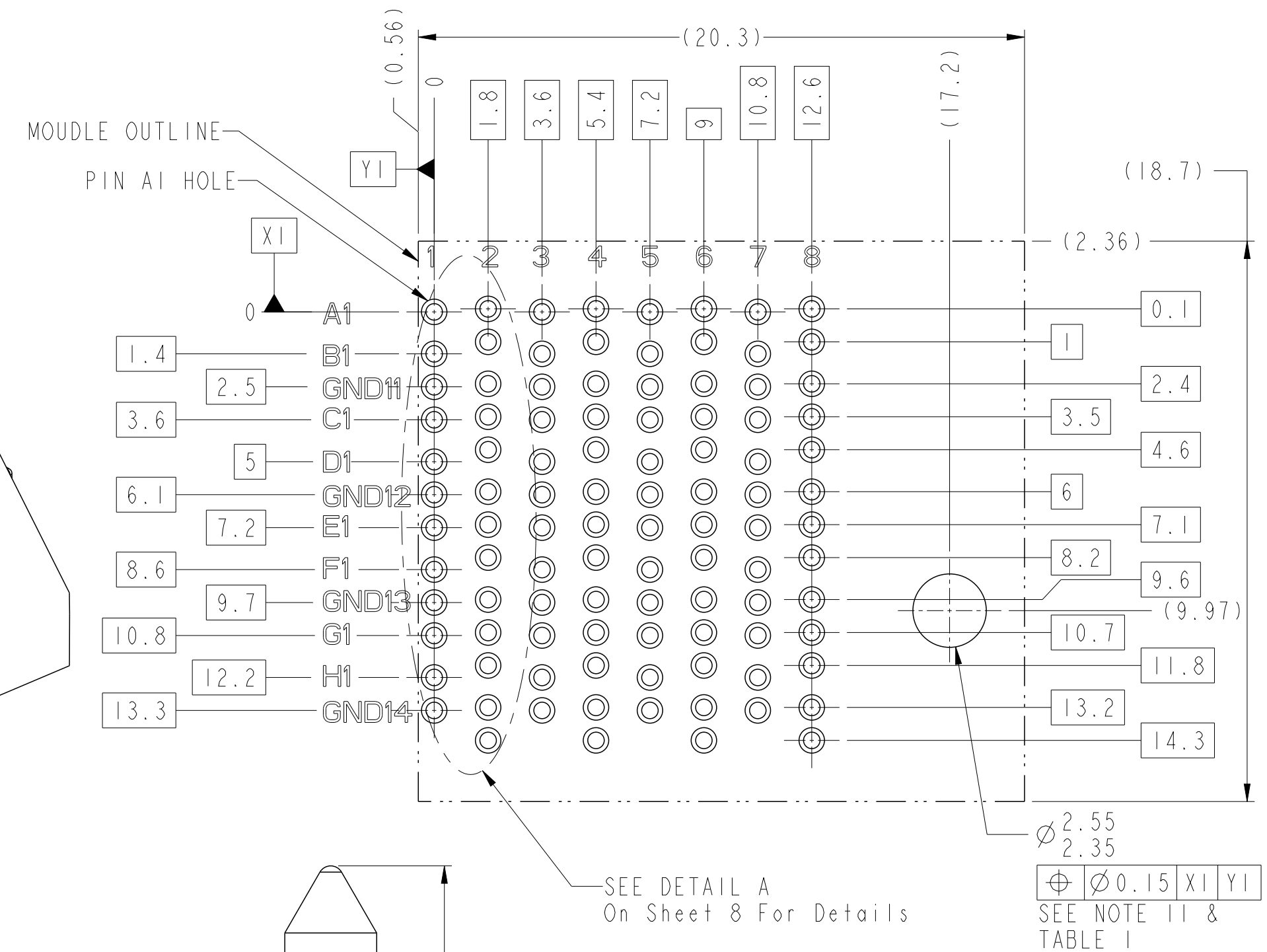
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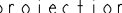


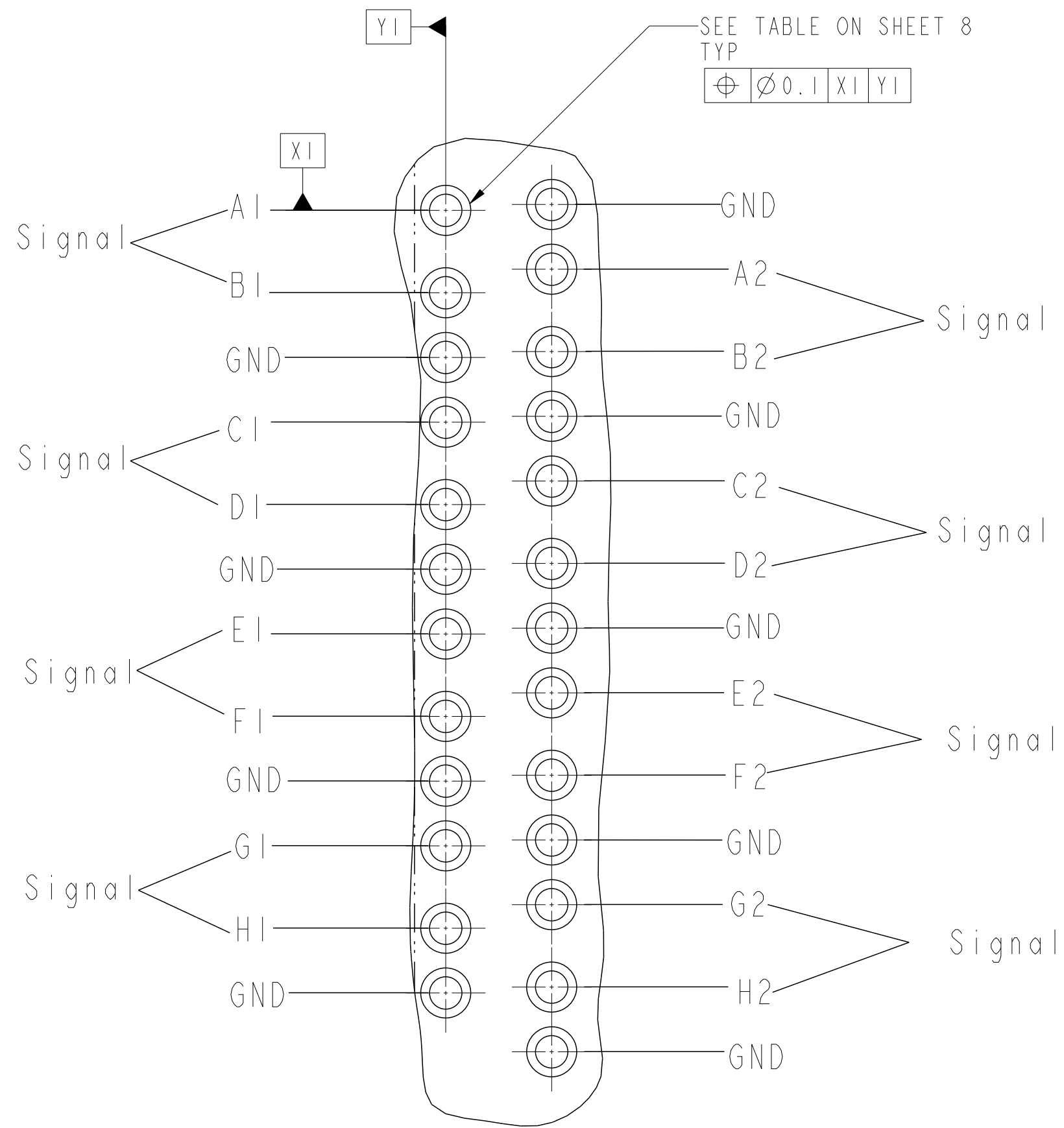
Optional Key See Sheet 1
Part Number Tree

SEE NOTE 5—

PIN AI



spec ref		-		dr		Collins Lu		2011/07/27		projection		mm		size		A2		scale		1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Sander Soe		2016/03/07						ecn no		ELX-S-17624-1					
ISO 406				chr		-		-		product family		-		rel level		Released					
ISO 1101				appr		Chen-Hong Tan		2016/03/17													
surface				linear		0.X		±0.3		Amphenol FCI		MODULE ASSEMBLY, XCEDE HD Vertical Header, 4 Pair 8 Column		dwg no 10115091		rev E					
				0.XX		±0.10															
				0.XXX		±0.05															
ISO 1302				angular		±2°				www.fci.com		cat. no.		-		Product		Customer Drw		sheet 7 of 8	



DETAIL A
SCALE 12:1

TABLE 3

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

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 (10115091-XOE-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		Collins Lu		2011/07/27		projection				mm		size		A2		scale		1:1									
tolerance std		ISO 406		eng		Sandar Soe		2016/03/07		chr		-		-		ecn no		ELX-S-17624-1		rel level		Released									
ISO 1101		TOLERANCES UNLESS OTHERWISE SPECIFIED		appr		Chen-Hong Tan		2016/03/17		product family																					
surface				linear		0.X		±0.3		Amphenol FCI		title		MODULE ASSEMBLY, XCEDE HD										dwg no		10115091		rev		E	
						0.XX		±0.10		www.fci.com		cat. no.		-		Product - Customer Drw										sheet 8 of 8					
ISO 1302				angular		0.XXX		±0.05																							
				±2°																											

Mouser Electronics

Authorized Distributor

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[FCI / Amphenol:](#)

10115091-V0E-80DLF	10115091-E0E-80DLF	10115091-Y0E-60DLF	10115091-R0E-70DLF	10115091-A0E-70DLF
10115091-10E-50DLF	10115091-D0E-70DLF	10115091-V0E-20DLF	10115091-P0E-80DLF	10115091-M0E-30DLF
10115091-H0E-70DLF	10115091-G0E-10DLF	10115091-Q0E-40DLF	10115091-U0E-10DLF	10115091-A0E-10DLF
10115091-Q0E-60DLF	10115091-B0E-70DLF	10115091-E0E-70DLF	10115091-S0E-40DLF	10115091-10E-20DLF
10115091-J0E-50DLF	10115091-R0E-20DLF	10115091-P0E-30DLF	10115091-00E-70DLF	10115091-E0E-30DLF
10115091-L0E-10DLF	10115091-W0E-30DLF	10115091-C0E-30DLF	10115091-P0E-20DLF	10115091-U0E-40DLF
10115091-M0E-60DLF	10115091-M0E-80DLF	10115091-00E-40DLF	10115091-D0E-80DLF	10115091-J0E-60DLF
10115091-G0E-80DLF	10115091-E0E-50DLF	10115091-G0E-70DLF	10115091-C0E-50DLF	10115091-F0E-70DLF
10115091-Q0E-10DLF	10115091-Q0E-70DLF	10115091-U0E-50DLF	10115091-A0E-50DLF	10115091-L0E-40DLF
10115091-D0E-20DLF	10115091-F0E-50DLF	10115091-J0E-80DLF	10115091-Q0E-20DLF	10115091-00E-10DLF
10115091-U0E-60DLF	10115091-S0E-70DLF	10115091-E0E-40DLF	10115091-S0E-80DLF	10115091-R0E-30DLF
10115091-L0E-50DLF	10115091-P0E-40DLF	10115091-V0E-50DLF	10115091-C0E-60DLF	10115091-L0E-70DLF
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10115091-S0E-60DLF	10115091-J0E-20DLF	10115091-E0E-60DLF	10115091-A0E-30DLF	10115091-W0E-50DLF
10115091-H0E-50DLF	10115091-W0E-70DLF	10115091-S0E-20DLF	10115091-U0E-80DLF	10115091-10E-60DLF
10115091-00E-20DLF	10115091-L0E-80DLF	10115091-B0E-30DLF	10115091-H0E-30DLF	10115091-F0E-10DLF
10115091-P0E-50DLF	10115091-B0E-10DLF	10115091-W0E-20DLF	10115091-B0E-50DLF	10115091-G0E-30DLF
10115091-C0E-20DLF	10115091-Y0E-70DLF	10115091-G0E-20DLF	10115091-F0E-60DLF	10115091-10E-40DLF
10115091-S0E-30DLF	10115091-T0E-20DLF	10115091-J0E-10DLF	10115091-V0E-70DLF	10115091-00E-50DLF
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