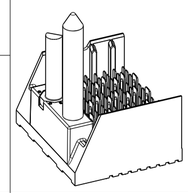
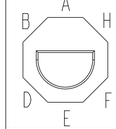
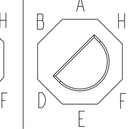
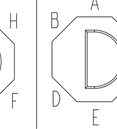
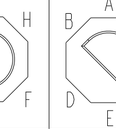
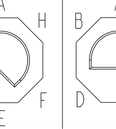
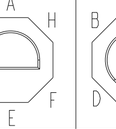
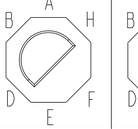
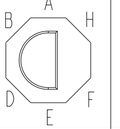
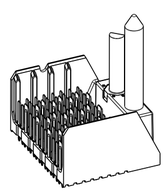
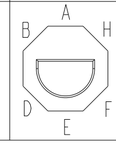
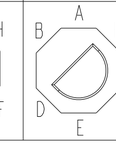
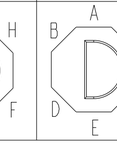
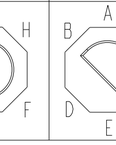
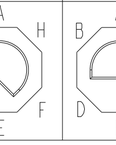
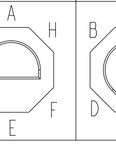
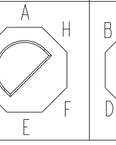
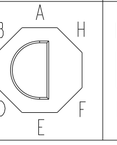
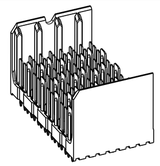
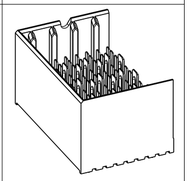
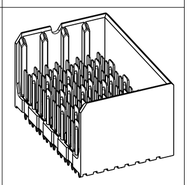
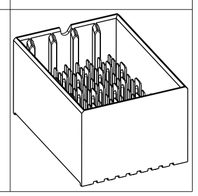
10115091 - X 0 E - X X X L F

- 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 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 10115091-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	-		
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		
surface - ISO 1302	linear	0.X	±0.3
		0.XX	±0.10
		0.XXX	±0.05
	angular	0°	±2°

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

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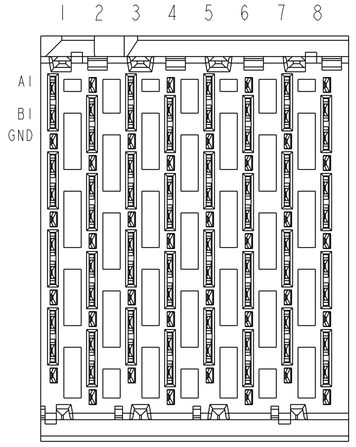
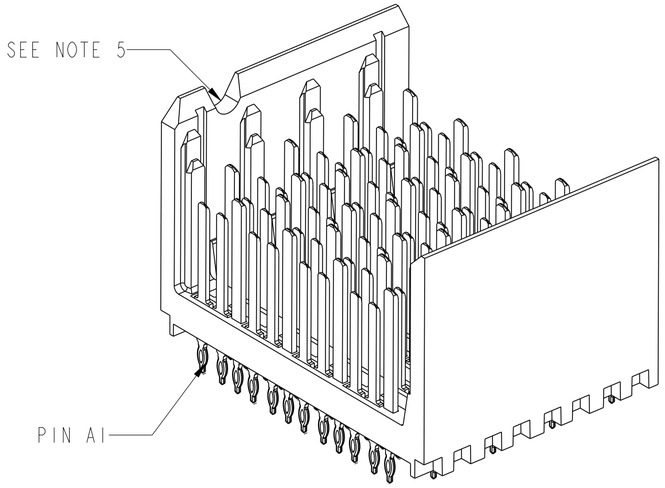
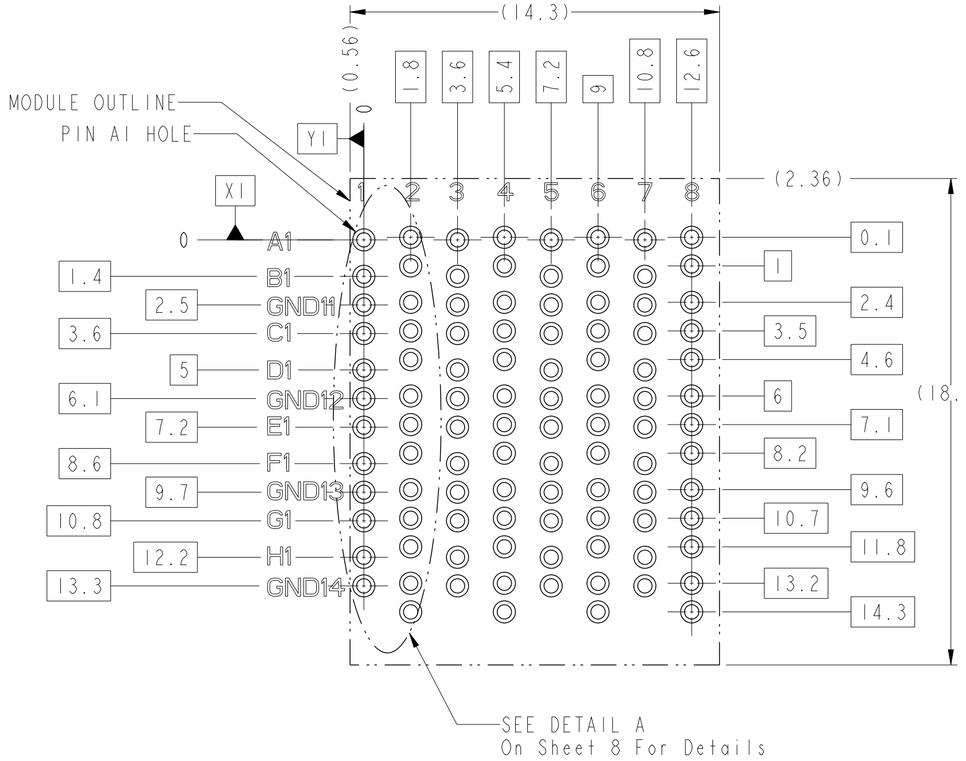


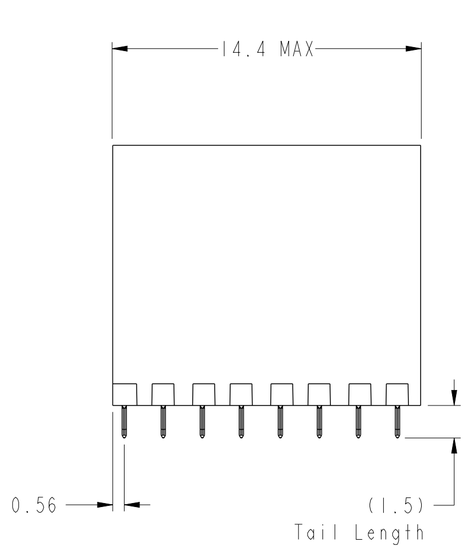
OPEN WALL MODULE

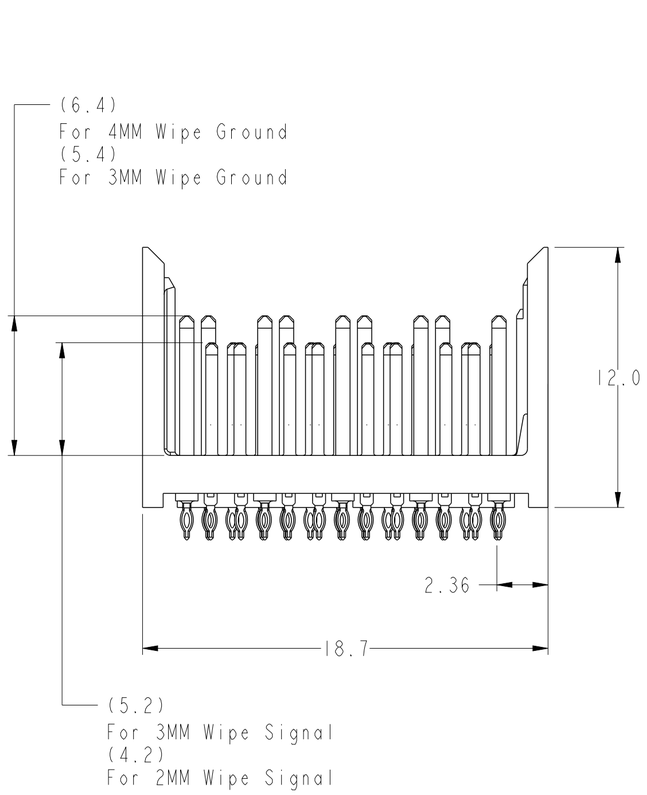


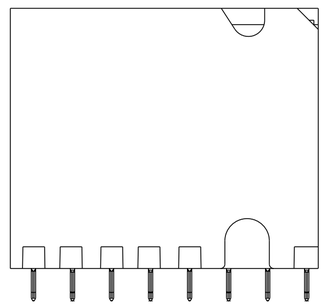


BP HOLE PATTERN COMPONENT SIDE

OPEN WALL MODULE BACKPLANE FOOTPRINT







spec ref	-		dr	Collins Lu	2011/07/27	projection	mm
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sandar Soe	2016/03/07		
			chr	-	-		
			appr	Chen-Hong Tan	2016/03/17	product family	-
surface ISO 1302	linear	0.X ±0.3	Amphenol FCi	title	MODULE ASSEMBLY, XCEDE HD	dwg no	10115091
		0.XX ±0.10			Veritical Header, 4 Pair 8 Column		
		0.XXX ±0.05	www.fci.com	cat. no.	-	Product - Customer Drw	
	angular	0° ±2°					

size	scale	rev
A2	1:1	E

ecn no ELX-S-17624-1

rel level **Released**

sheet 2 of 8

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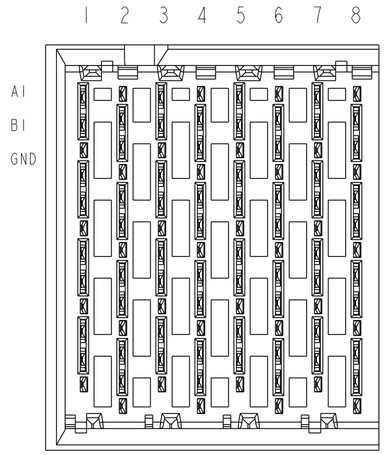
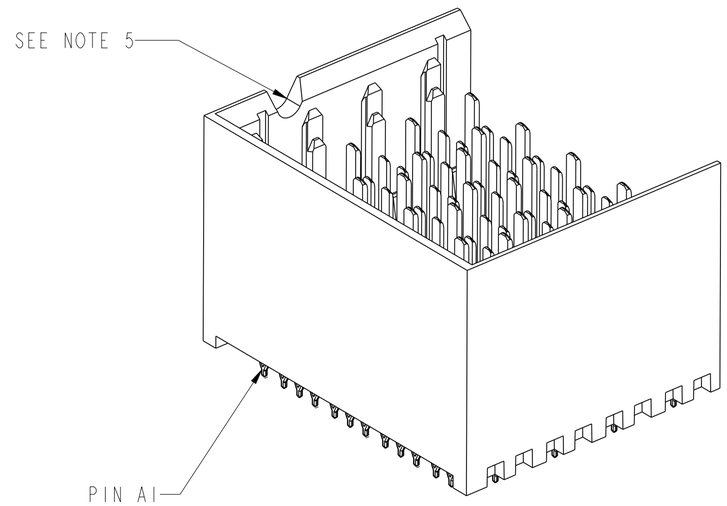
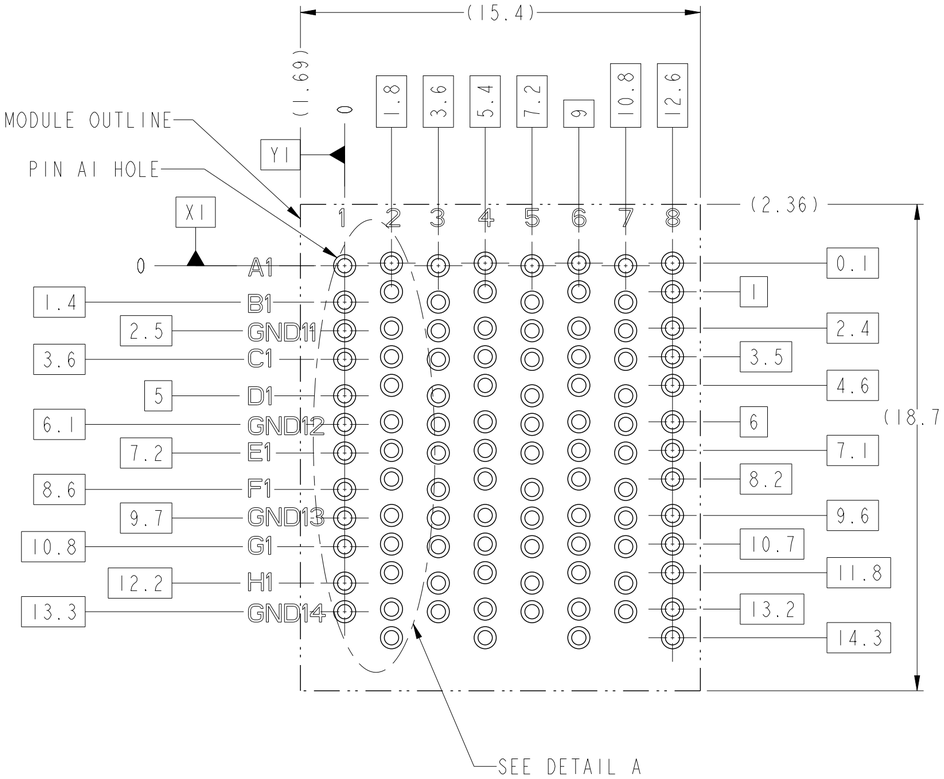
Creo File - REV E - 2016-02-12

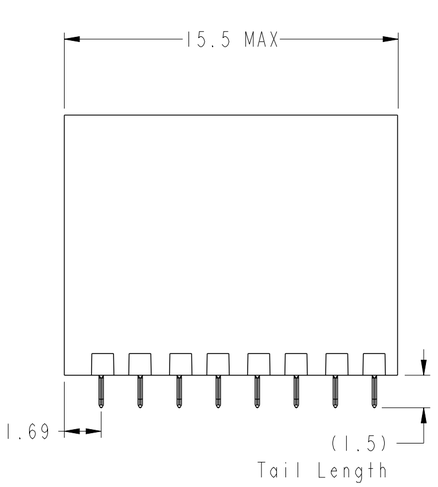
PDS: Rev :E STATUS:Released Printed: Mar 17, 2016

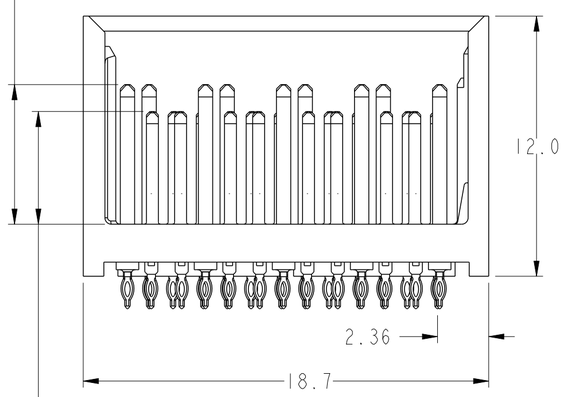


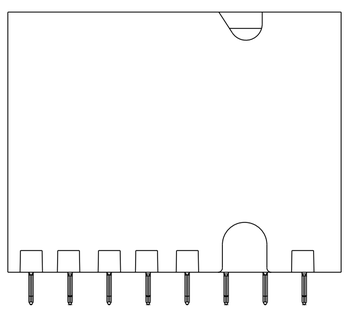
LEFT WALL MODULE











BP HOLE PATTERN COMPONENT SIDE

LEFT 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	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sandar Soe	2016/03/07				
				chr	-	-			ecn no	ELX-S-17624-1
				appr	Chen-Hong Tan	2016/03/17	product family	-	rel level	Released
surface - ISO 1302	linear	0.X	±0.3	Amphenol FCi	title	MODULE ASSEMBLY, XCEDE HD Veritical Header, 4 Pair 8 Column			dwg no	10115091	rev	E
		0.XX	±0.10									
		0.XXX	±0.05									
	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw			sheet 3 of 8		

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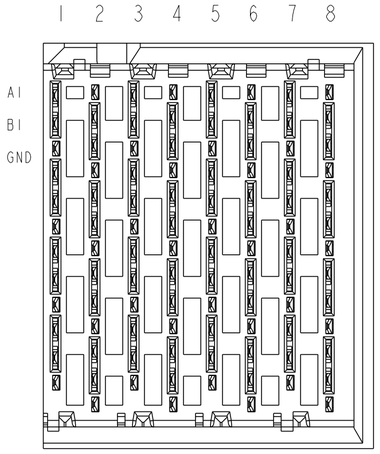
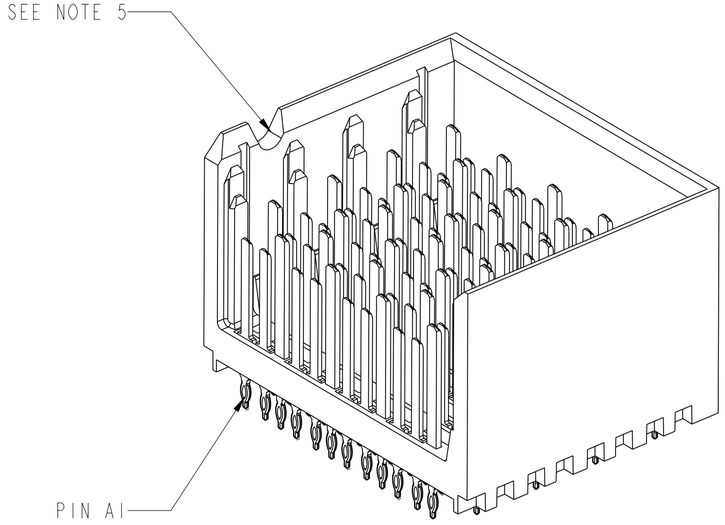
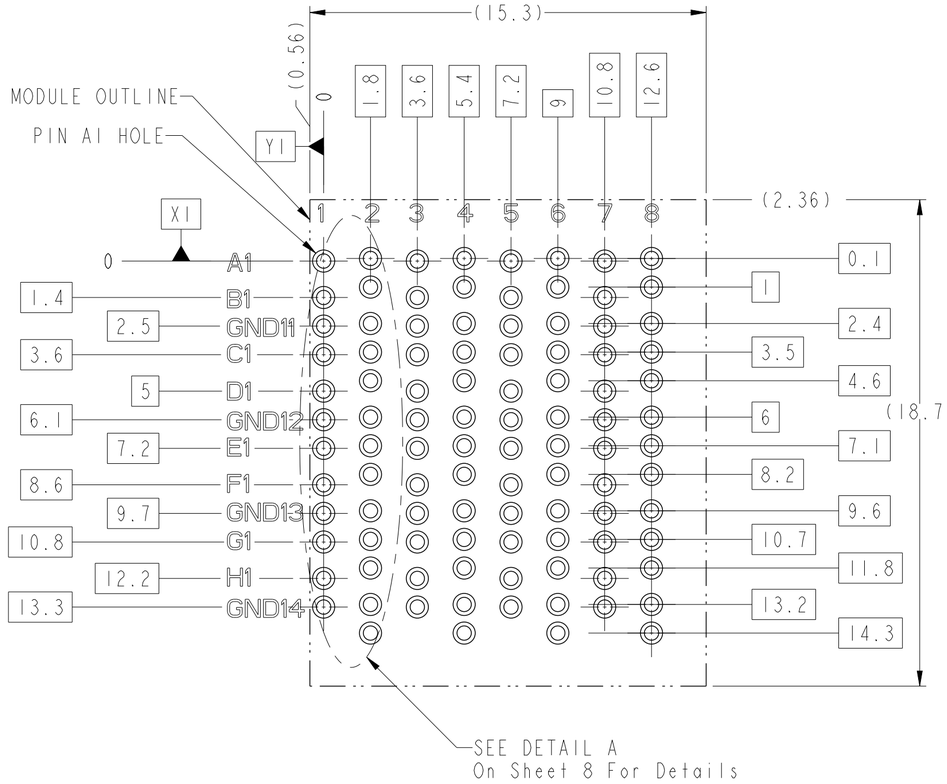
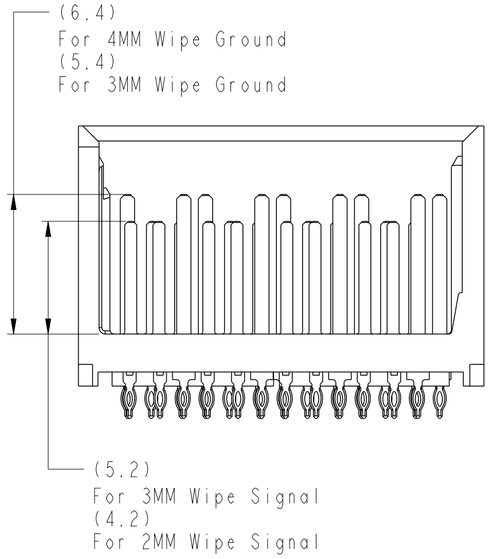
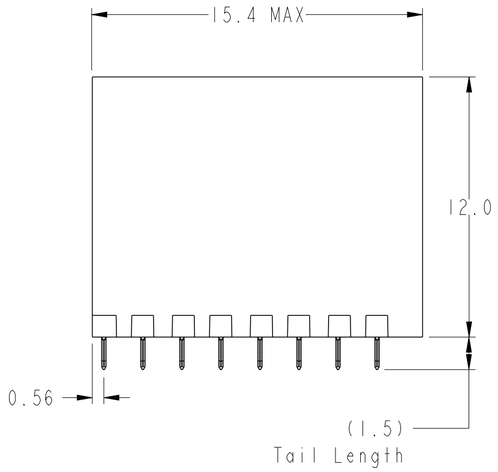


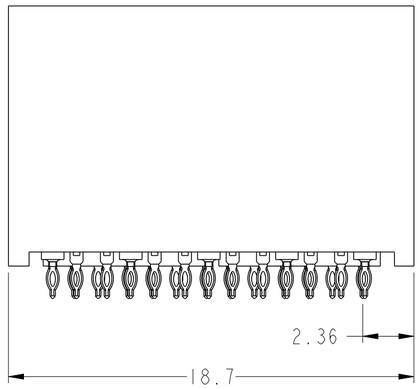
RIGHT WALL MODULE











BP HOLE PATTERN COMPONENT SIDE

RIGHT 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	TOLERANCES UNLESS OTHERWISE SPECIFIED			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
surface - ISO 1302	linear	0.X	±0.3	Amphenol FCi	title: MODULE ASSEMBLY, XCEDE HD Veritical Header, 4 Pair 8 Column			dwg no 10115091	rev E
		0.XX	±0.10						
		0.XXX	±0.05						
	angular	0°	±2°	www.fci.com	cat. no. -		Product - Customer Drw		sheet 4 of 8

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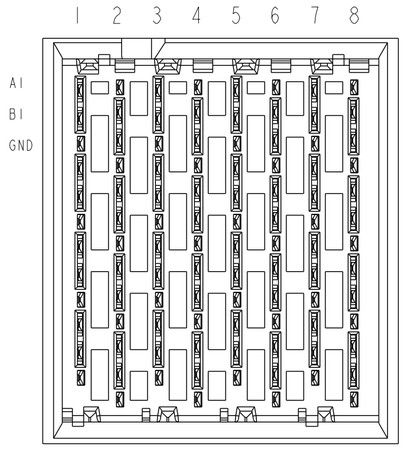
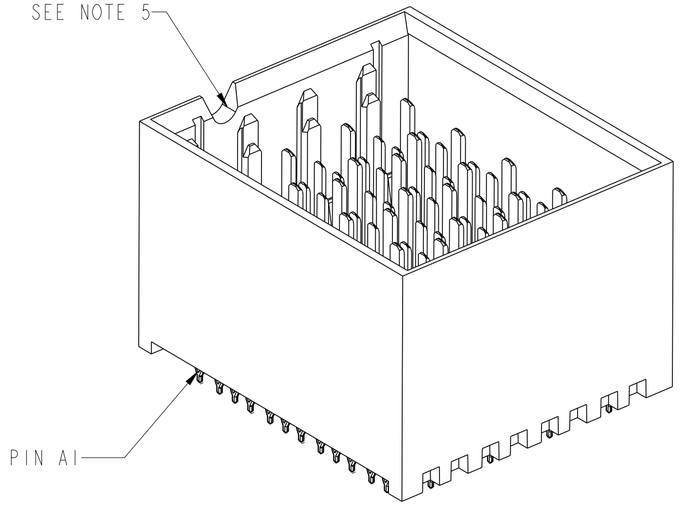
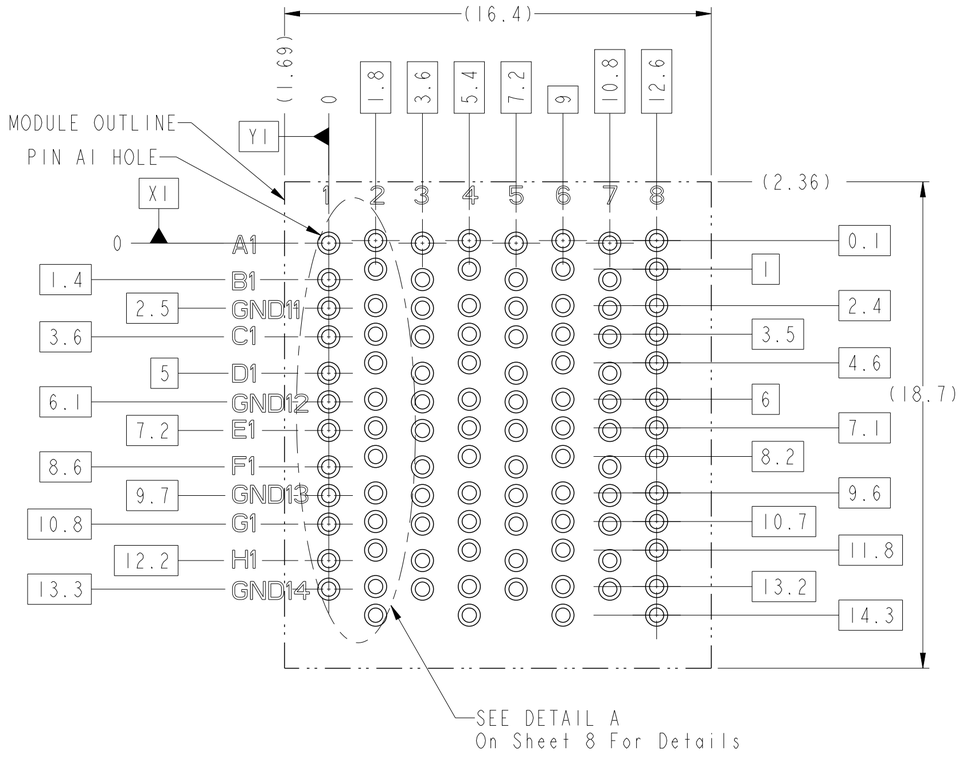
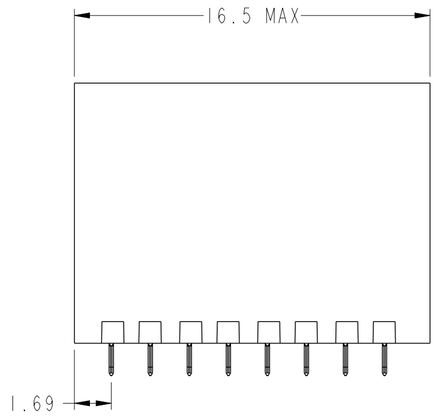


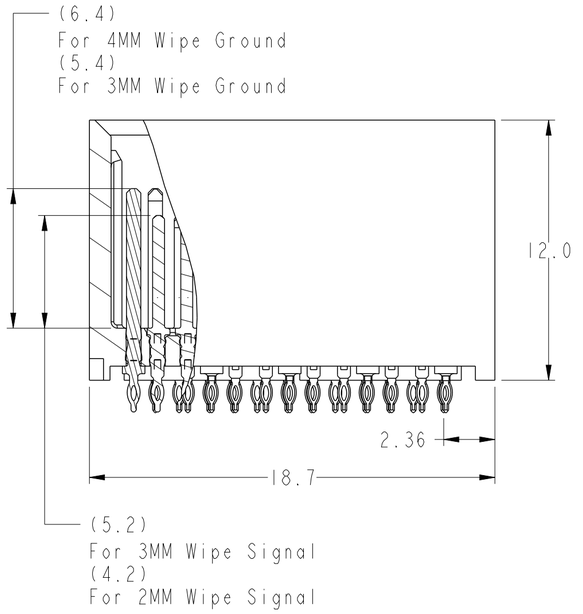
E FOUR WALL MODULE

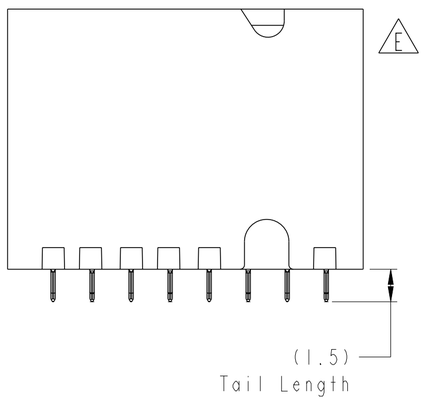




BP HOLE PATTERN COMPONENT SIDE







E FOUR WALL MODULE BACKPLANE FOOTPRINT

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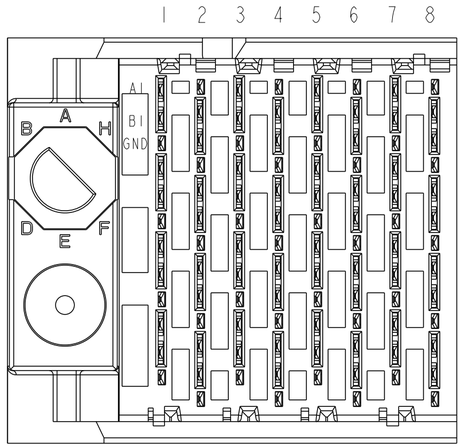
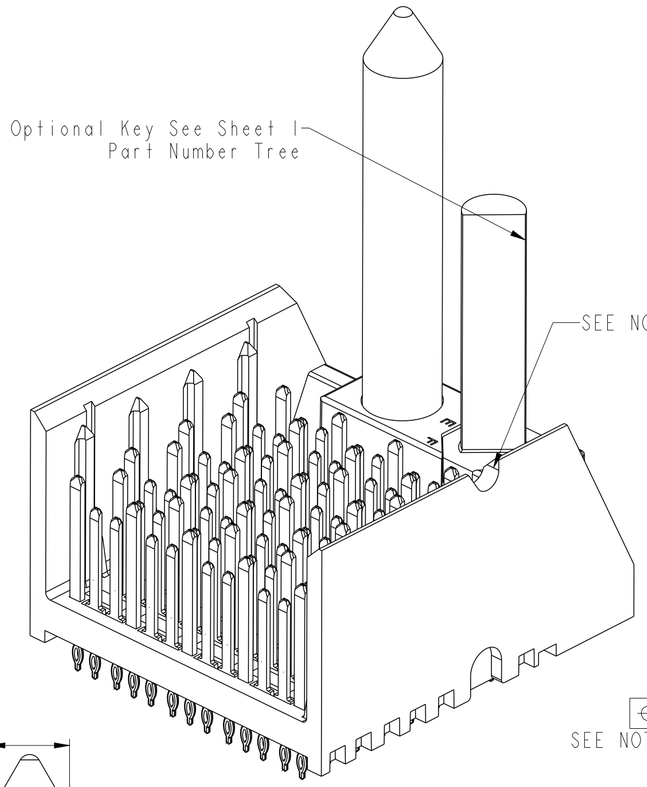
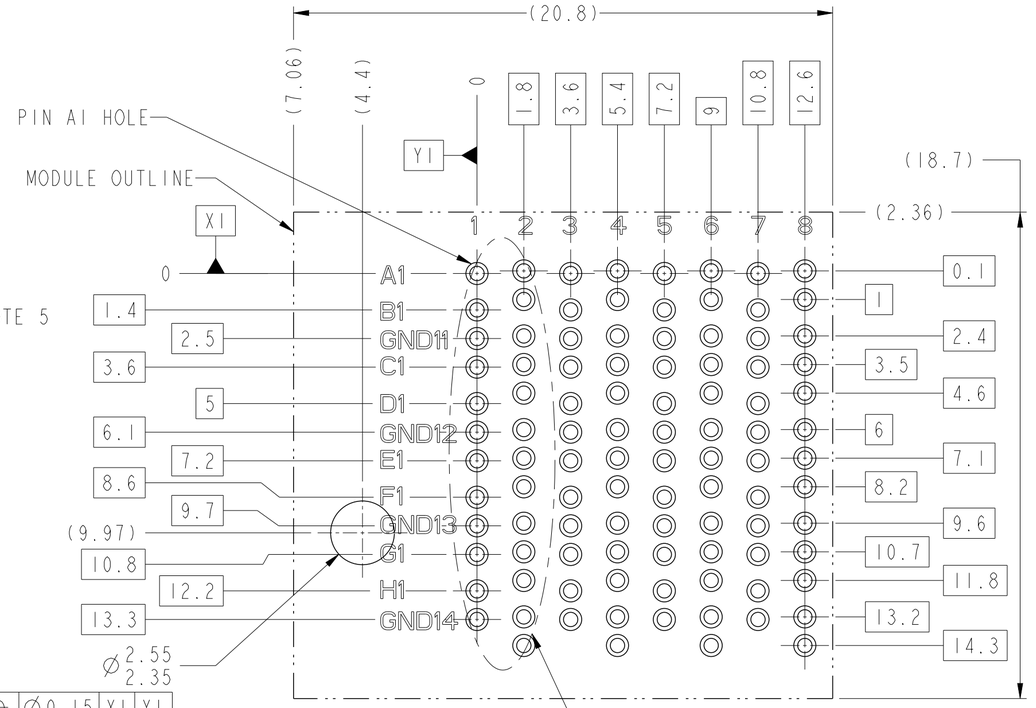
spec ref	-			dr	Collins Lu	2011/07/27	projection	mm
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sandar Soe	2016/03/07		
				chr	-	-		
				appr	Chen-Hong Tan	2016/03/17	product family	-
surface ISO 1302	linear	0.X	±0.3	Amphenol FCi	title: MODULE ASSEMBLY, XCEDE HD Veritical Header, 4 Pair 8 Column		dwg no 10115091	rev E
		0.XX	±0.10					
		0.XXX	±0.05					
	angular	0°	±2°	www.fci.com	cat. no. -	Product - Customer Drw		sheet 5 of 8

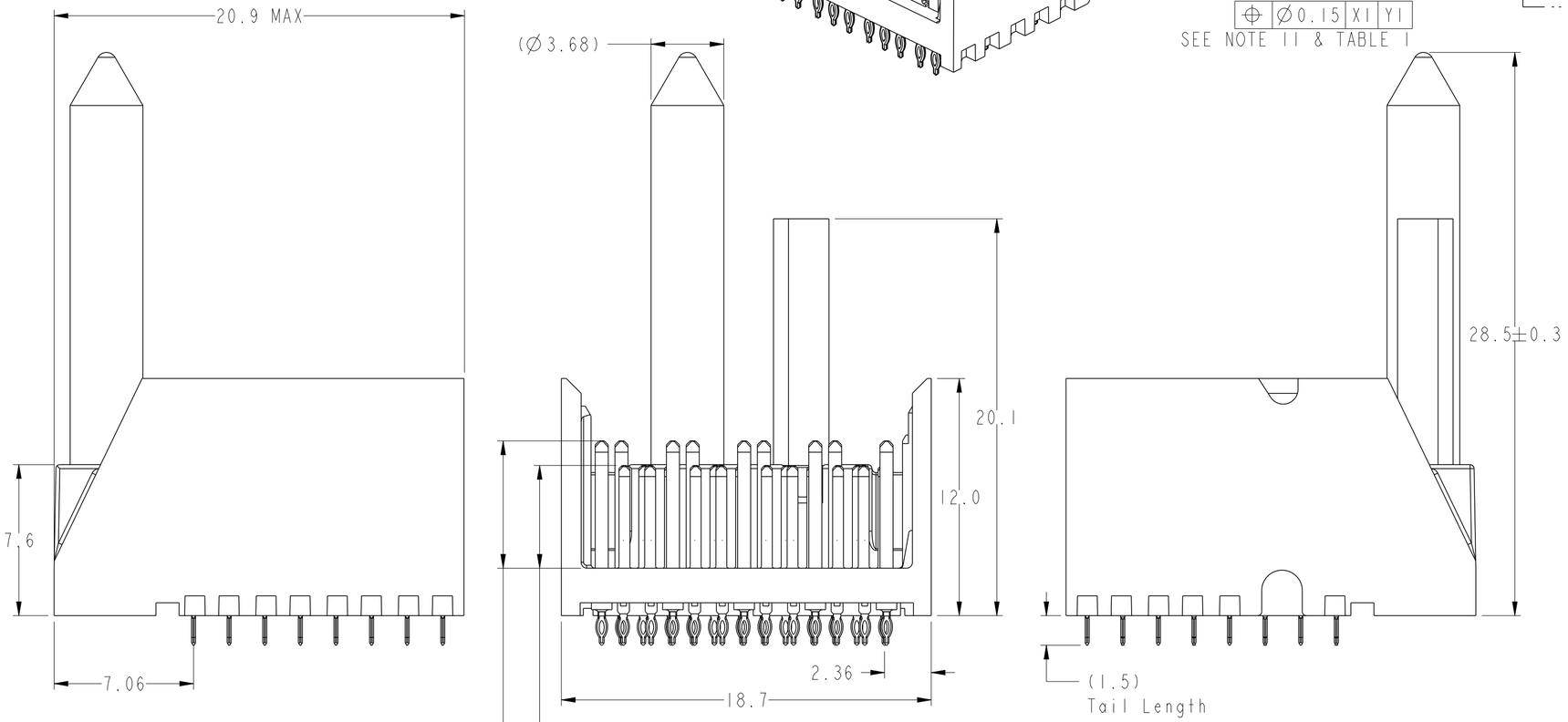
size A2 | scale 1:1 | ecn no ELX-S-17624-1 | rel level Released



LEFT POLARIZING/GUIDE MODULE







BP HOLE PATTERN COMPONENT SIDE

LEFT POLARIZING GUIDE MODULE
BACKPLANE FOOTPRINT

spec ref -				dr	Collins Lu	2011/07/27	projection	mm	size A2	scale 1:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			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	
surface ISO 1302	linear	0.X	±0.3	Amphenol FCi	title: MODULE ASSEMBLY, XCEDE HD Veritical Header, 4 Pair 8 Column				dwg no 10115091	rev E
		0.XX	±0.10							
		0.XXX	±0.05							
	angular	0°	±2°	www.fci.com	cat. no. -		Product - Customer Drw		sheet 6 of 8	

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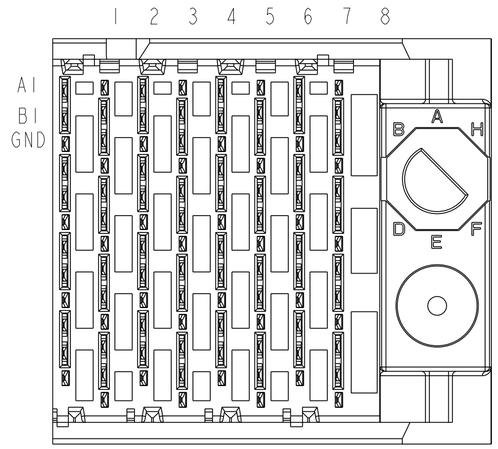
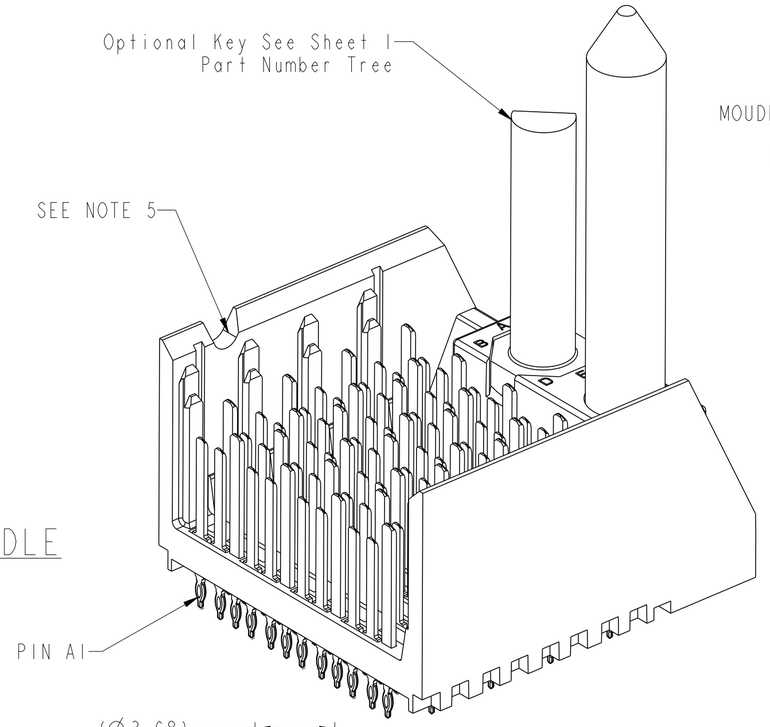
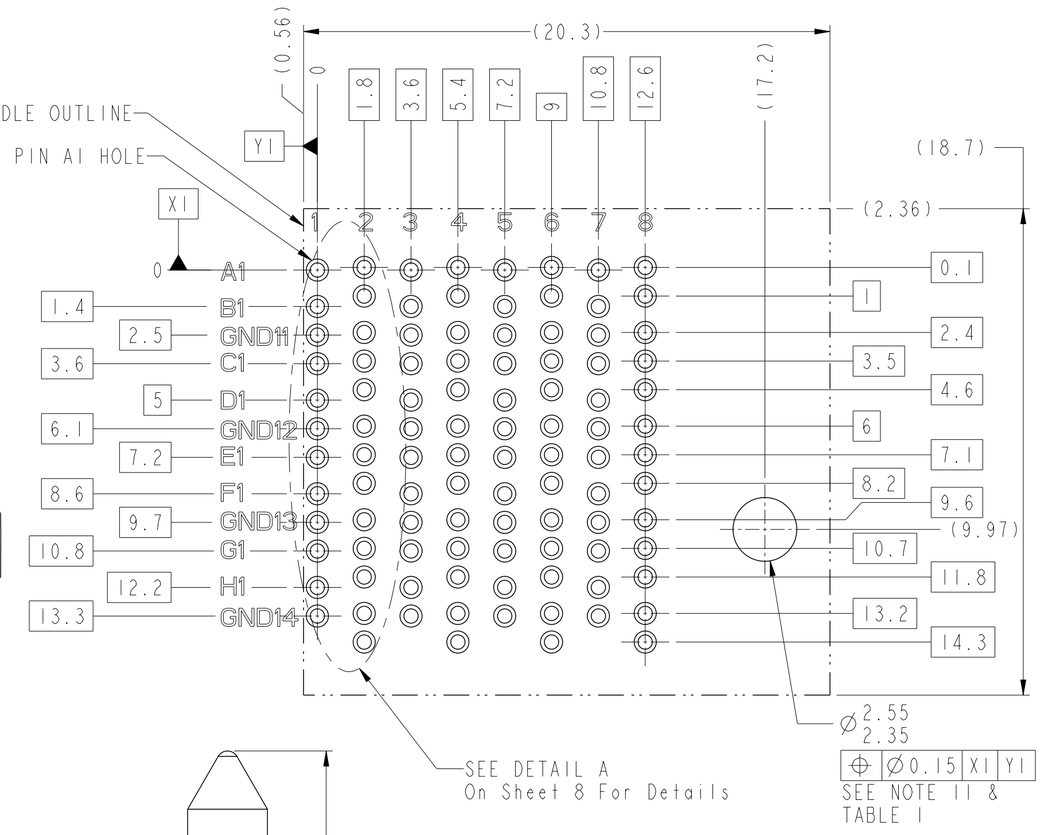
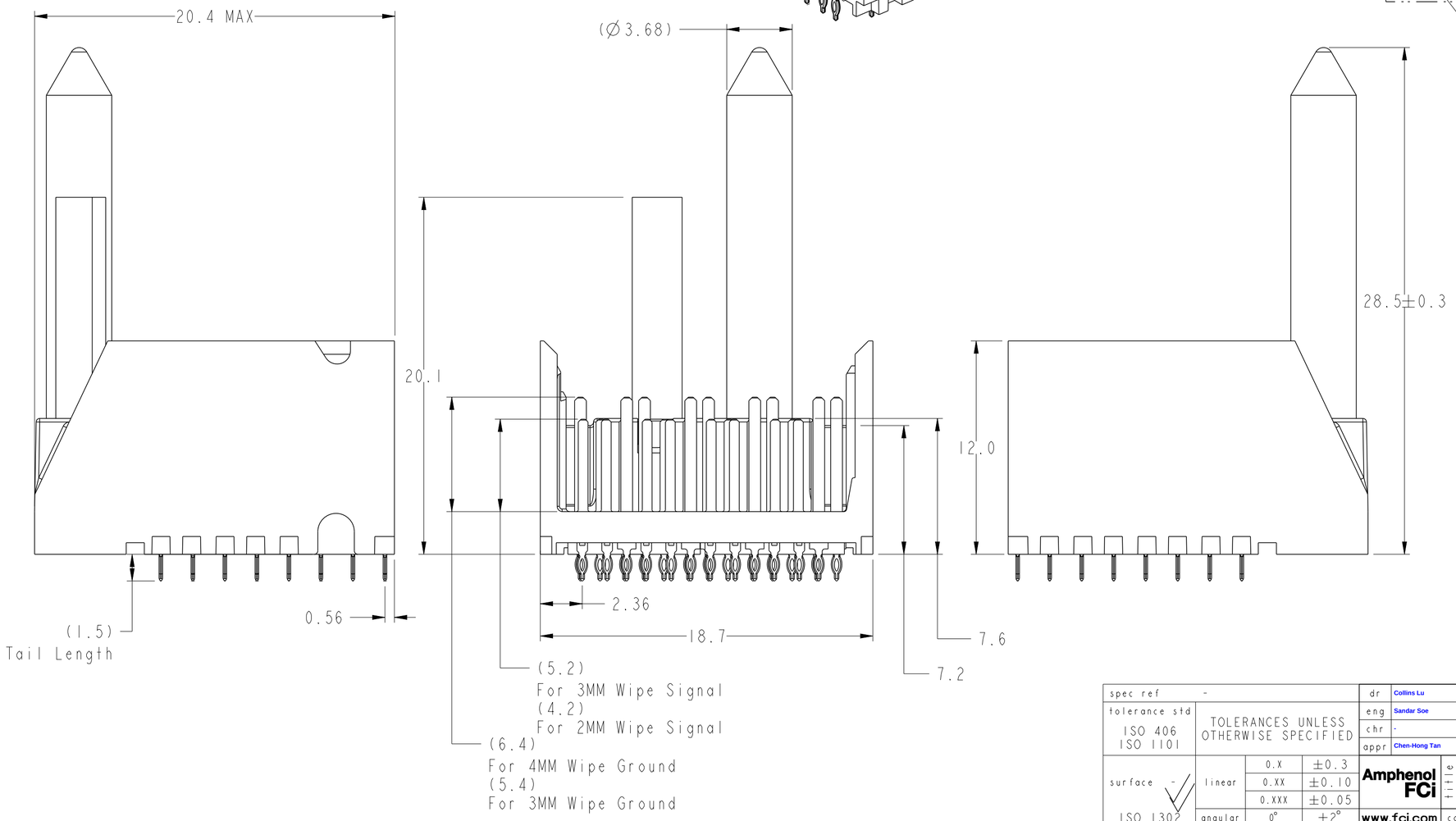


RIGHT POLARIZING/GUIDE MOUDLE







BP HOLE PATTERN COMPONENT SIDE

RIGHT POLAIZING/GUIDE MODULE
BACKPLANE FOOTPRINT

spec ref	-			dr	Collins Lu	2011/07/27	projection	mm	size A2	scale 1:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			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
surface - ISO 1302	linear	0.X	±0.3	Amphenol FCi	title	MODULE ASSEMBLY, XCEDE HD Veritical Header, 4 Pair 8 Column	dwg no	10115091	rev	E
		0.XX	±0.10							
		0.XXX	±0.05							
	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw		sheet 7 of 8	

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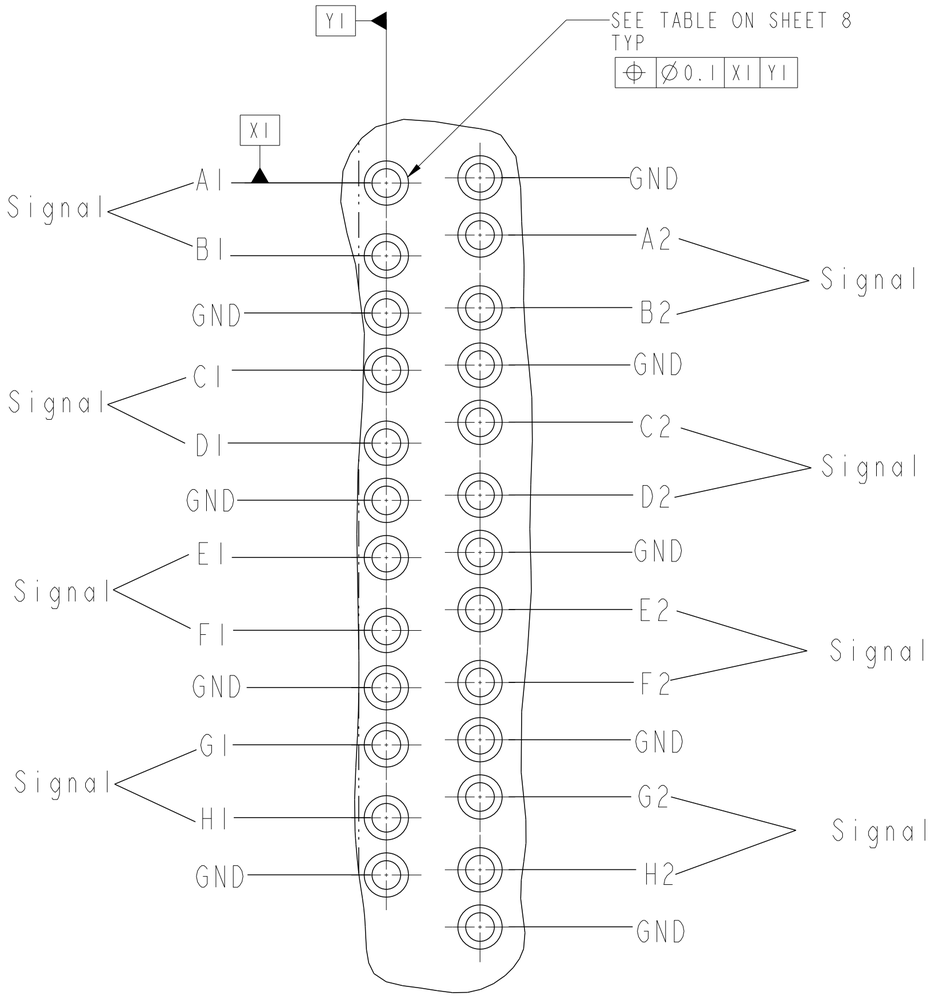

DETAIL A
SCALE 12:1

TABLE 3		
	COMPLIANT PIN DRILL ∅0.55[0.0217"]	COMPLIANT PIN DRILL ∅0.45[0.0177"]
PTH	∅0.45±0.05	∅0.36±0.05
DRILL	∅0.55 [0.0217"]	∅0.45 [0.0177"]
PAD	∅0.85	∅0.75

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 (10115091-XOE-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 △E 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.

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

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