

10119191 - X0E - XXXLF

8-COLUMN
DIFFERENTIAL
SIGNAL

LEAD-FREE DESIGNATION
ONLY WITH APPLICABLE
PLATING CODES

LETTER	PERFORMANCE-BASED PLATING (SEE NOTE 2)	
	TARGET APPLICATION	LEAD-FREE (LF)
B	TELCORDIA CO	NO
C	TELCORDIA UE	NO
D	TELCORDIA CO	YES
E	TELCORDIA UE	YES

NUMBER	GUIDE PIN STYLE, HEIGHT
0	STANDARD GUIDE PIN MACHINED, 31.6mm
4	STANDARD GUIDE PIN MACHINED, 25.7mm

MODULE DESCRIPTION	LETTER DESIGNATION REPRESENTED IN DASH NUMBER										BASE MODULE
LEFT POLARIZING GUIDANCE MODULE (SEE SHEET 3)	J	A	B	C	D	E	F	G	H		
RIGHT POLARIZING GUIDANCE MODULE (SEE SHEET 4)	Y	P	Q	R	S	T	U	V	W		
OPEN MODULE (TWO WALL) (SEE SHEET 2)	0 (ZERO)										
LEFT WALL MODULE (SEE SHEET 5)	L										
RIGHT WALL MODULE (SEE SHEET 6)	M										
FOUR WALL MODULE (SEE SHEET 7)	I (ONE)										

NUMBER	CONTACT MATING WIPE LENGTH		COMPLIANT PIN DRILL SIZE
	SIGNAL	GROUND	
1	2	4	Ø0.55 [0.0217"]
2	3	4	Ø0.55 [0.0217"]
3	2	4	Ø0.45 [0.0177"]
4	3	4	Ø0.45 [0.0177"]
5	2	3	Ø0.55 [0.0217"]
6	3	3	Ø0.55 [0.0217"]
7	2	3	Ø0.45 [0.0177"]
8	3	3	Ø0.45 [0.0177"]

TABLE 1: OPTIONAL PCB HOLE SIZE (SEE NOTE 11)

	GROUNDED	UNGROUNDED
FINISHED	Ø2.35-2.55	Ø2.35-2.55
PAD	Ø5.50	N/A
PLATED	YES	NO
DRILL (mm/in)	2.58/.1015	2.44/.096

TABLE 2: OPTIONAL SCREW TYPE (SEE NOTE 10)

SCREW P/N	DESCRIPTION	BOARD THICKNESS
10091790-002LF	#2.56 X .375" PHILIPS PANHEAD W/SQ CONICAL WASHER	1.60 - 5.00
10091790-003LF	#2.56 X .500" PHILIPS PANHEAD W/SQ CONICAL WASHER	5.00 - 10.00

spec ref		-		dr		Roger Ng		2011/11/22		projection		MM		size		A2		scale		4:1			
tolerance std		-		eng		Michael Song		2016/06/01						ecn no		ELX-DG-24191-1							
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Heaven Cen		2016/06/08								rel level		Released					
				appr		Pei-Ming Zheng		2016/06/15												product family		XCEDE	
surface		linear		0.X		±0.2		Amphenol FCI		title		MODULE ASSEMBLY		dwg no		10119191		rev		C			
				0.XX		±0.10																VERTICAL HEADER, 8-COLUMN, 3-PAIR	
ASME Y14.5		angular		0°		±2°																	
				cat. no.		-		Product-		Customer Drw		sheet 1 of 8											

OPEN (2- WALL) MODULE

A

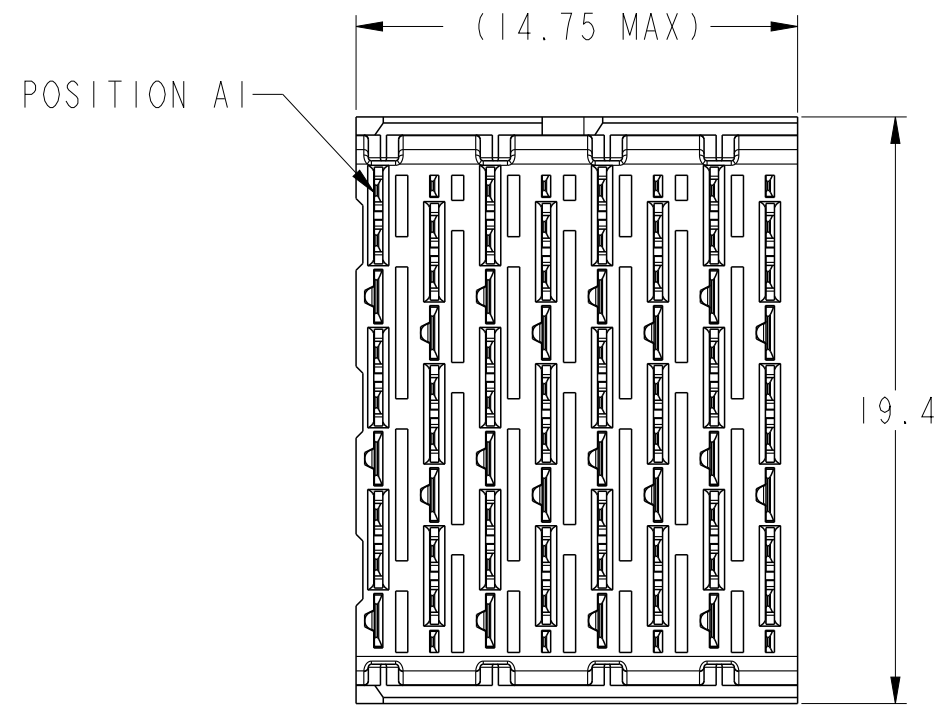
B

C

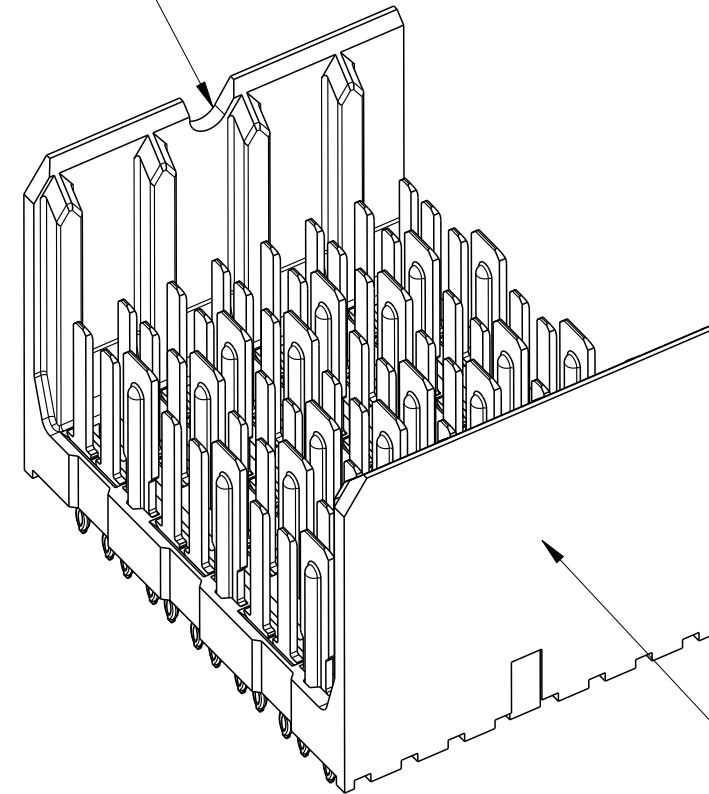
D

E

F

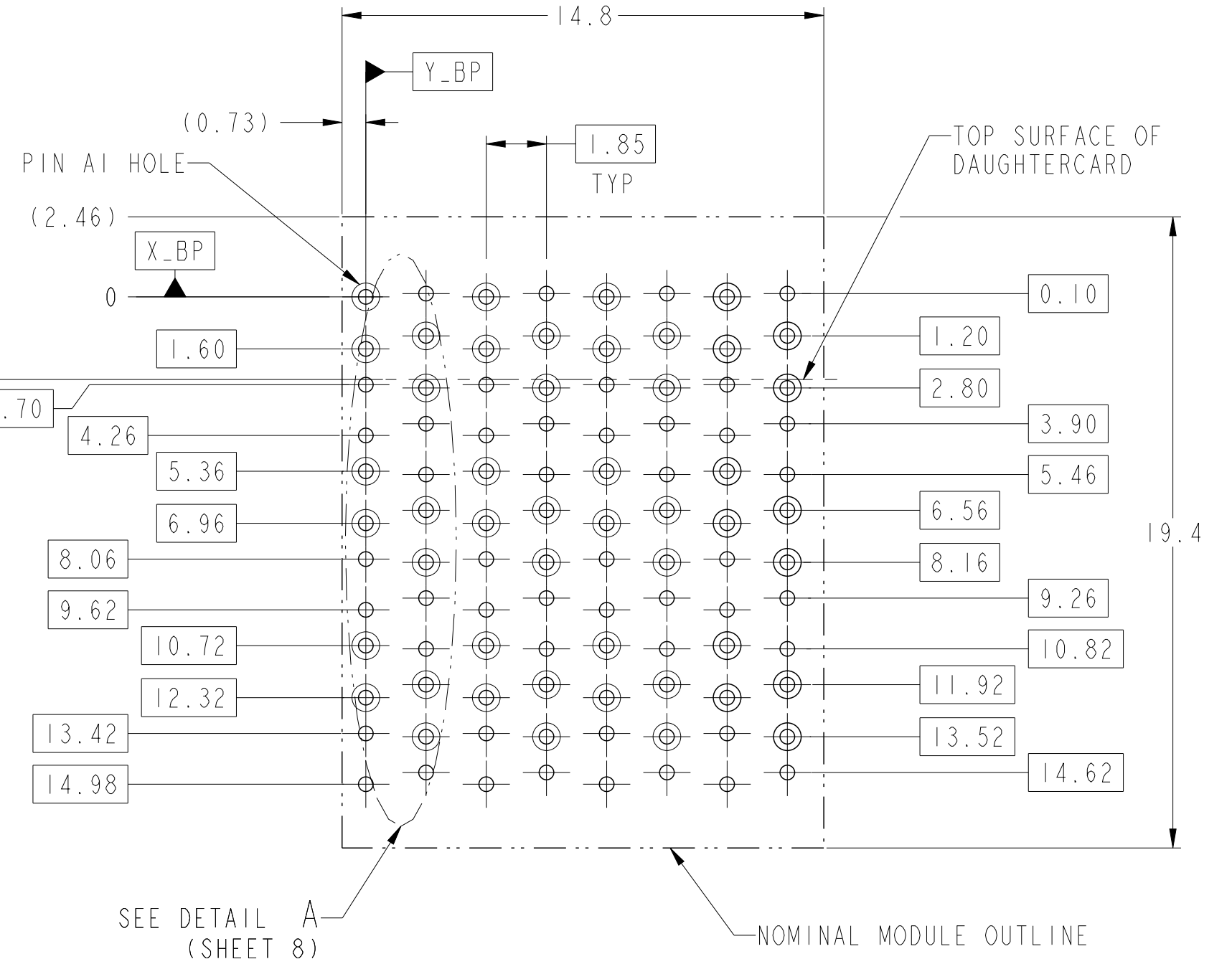


SEE NOTE 8



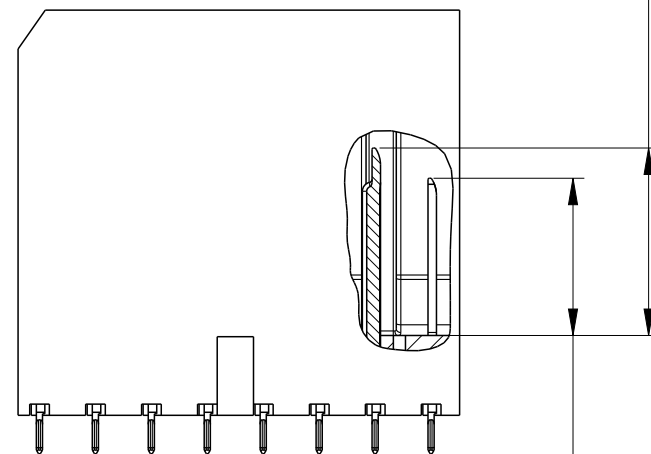
2.54
TO TOP SURFACE
OF DAUGHTERCARD

SEE NOTE 5



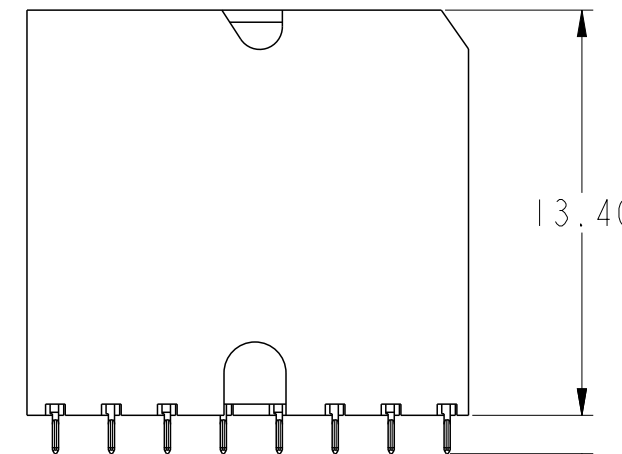
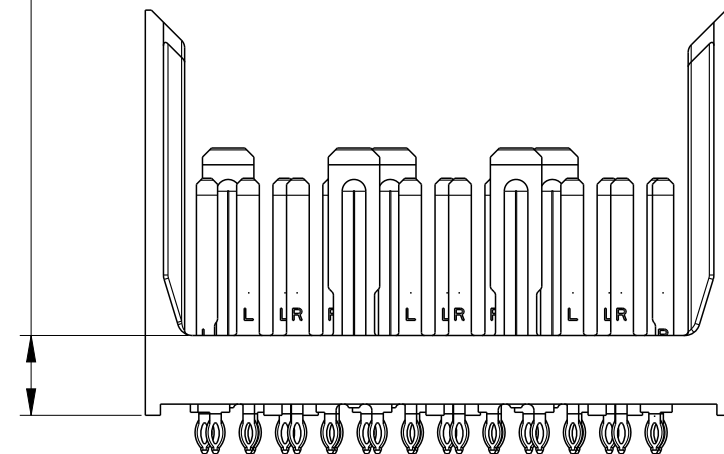
PCB HOLE PATTERN
COMPONENT SIDE
SCALE 6:1

6.2 (4MM WIPE WIDE GROUNDS)
5.2 (3MM WIPE WIDE GROUNDS)



5.2 (3MM SMALL END GROUNDS)
5.2 (3MM WIPE SIGNALS)
4.2 (2MM WIPE SIGNALS)
SEE P/N TREE

2.64±0.10 FROM STANDOFF
SURFACE TO MATING SURFACE



TAIL LENGTH
SEE NOTE 12

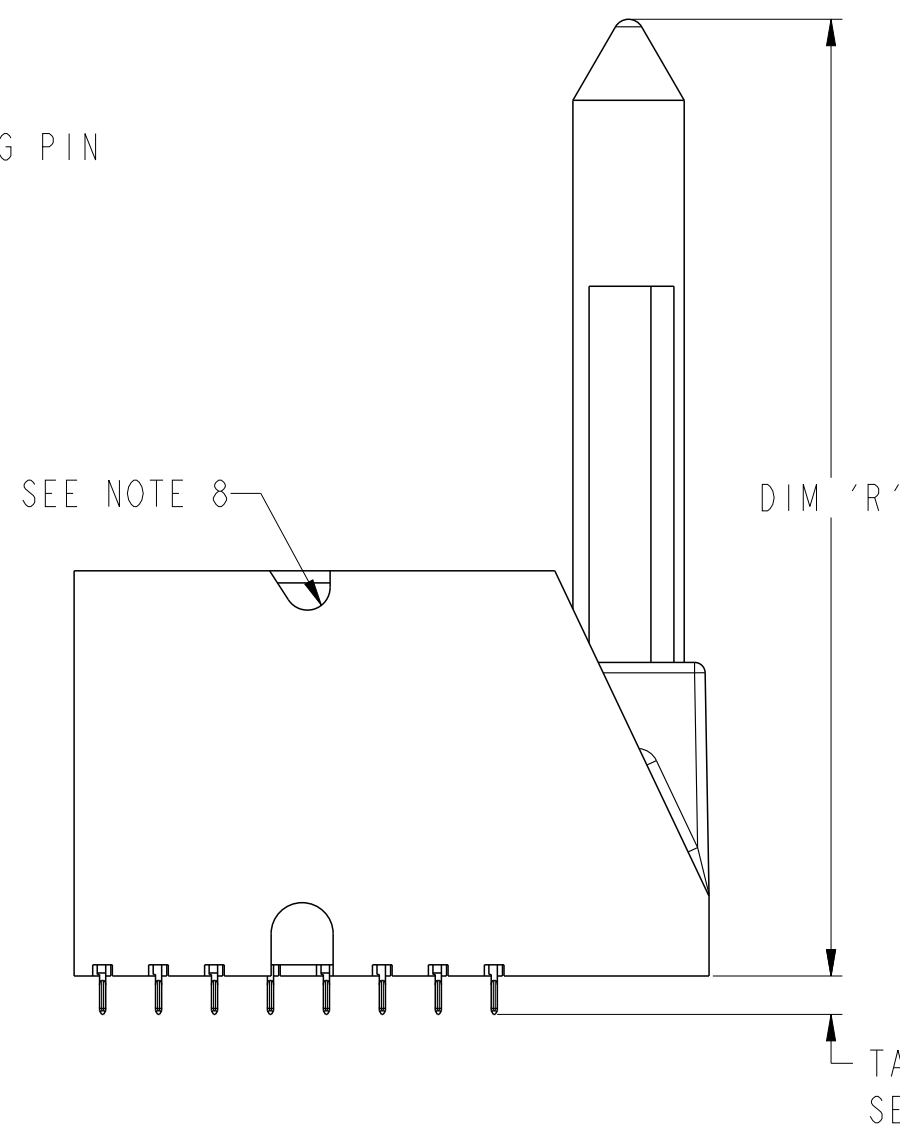
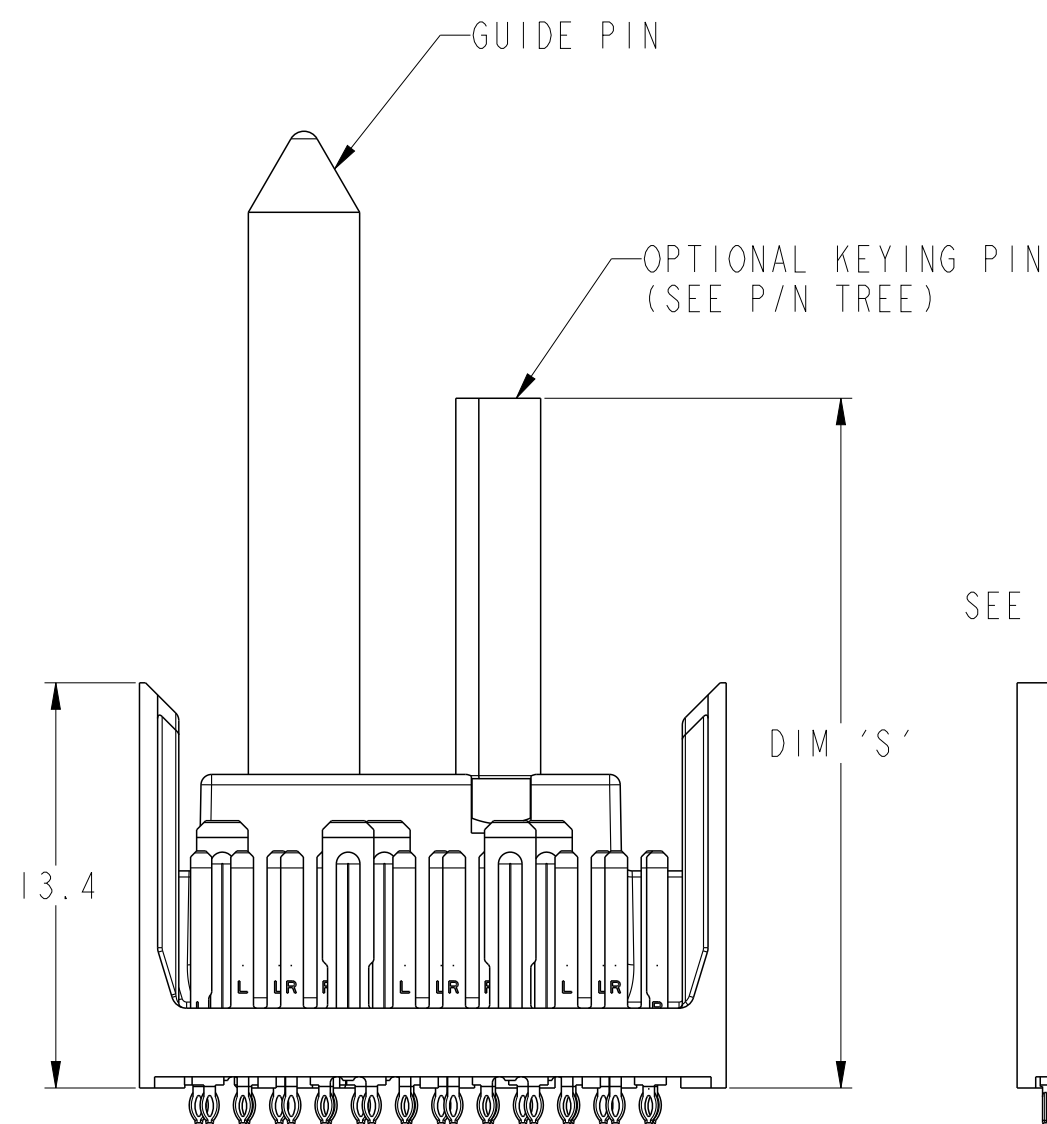
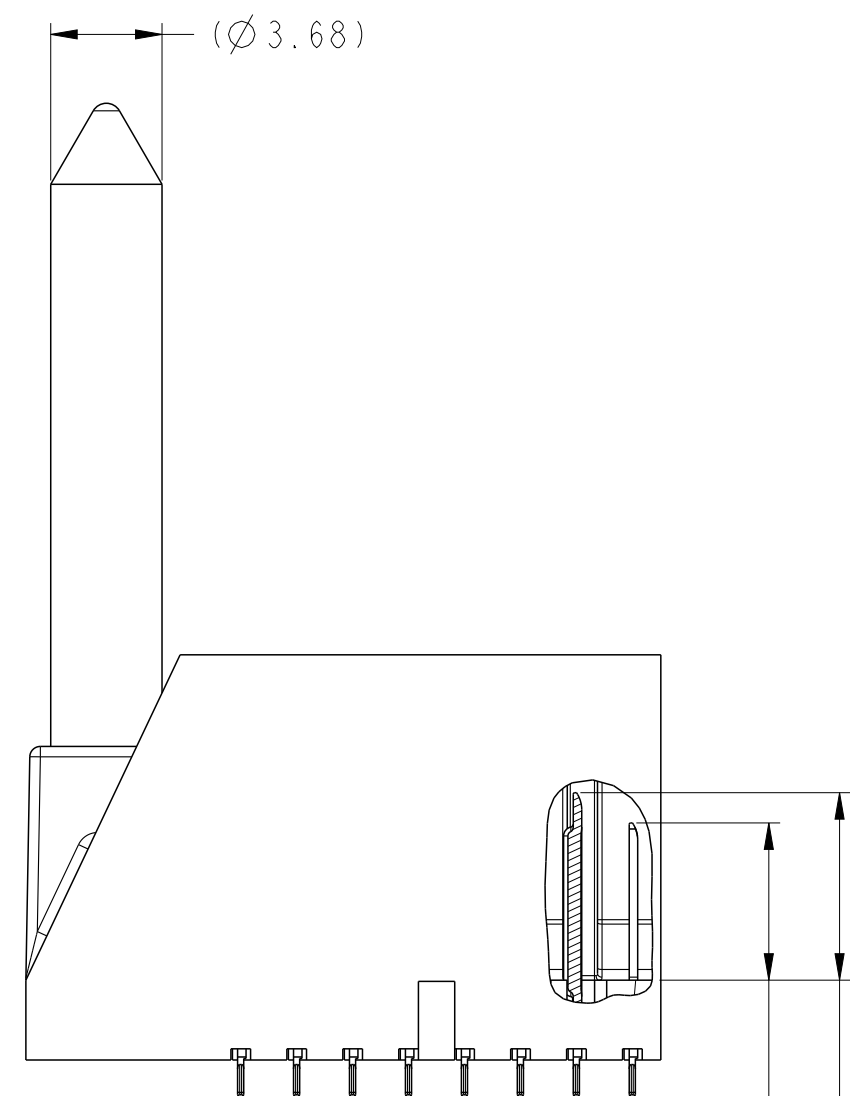
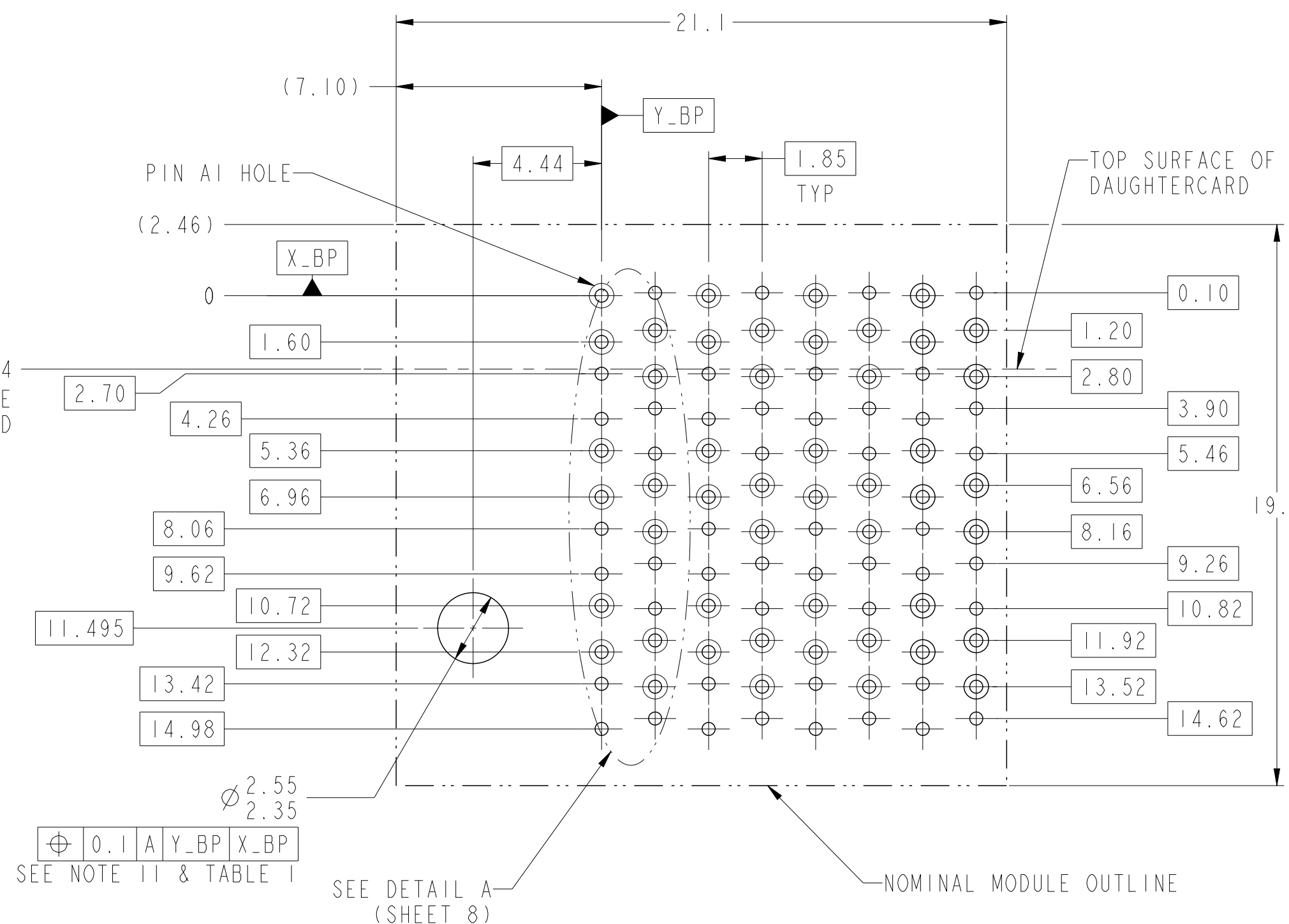
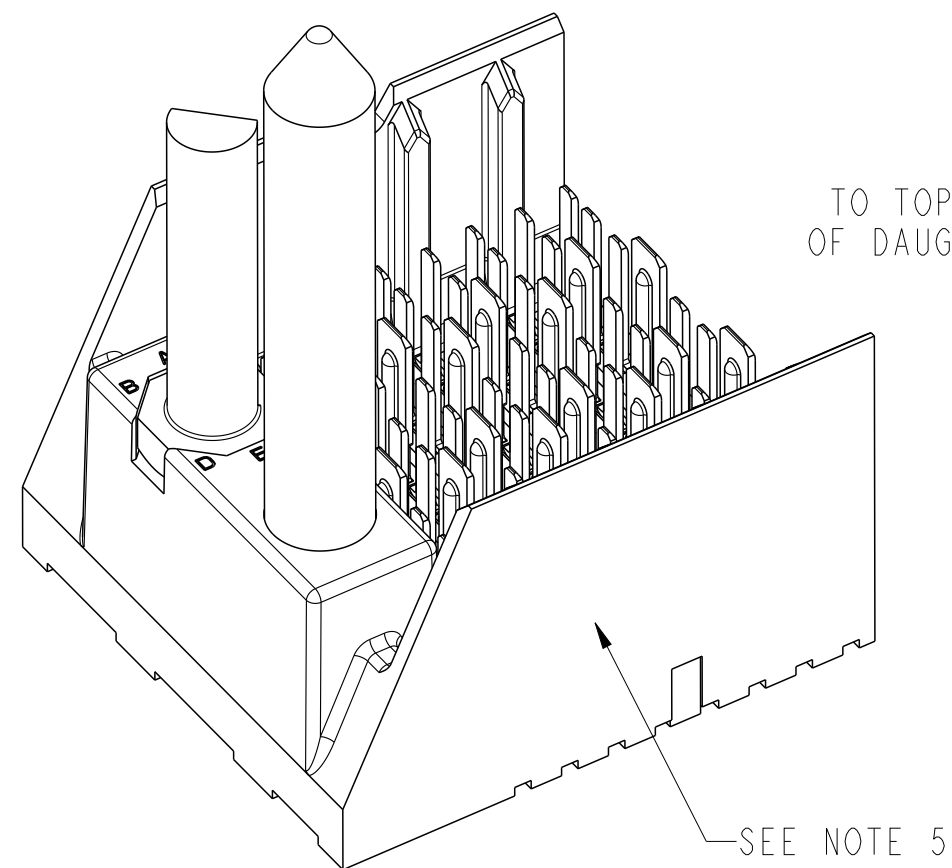
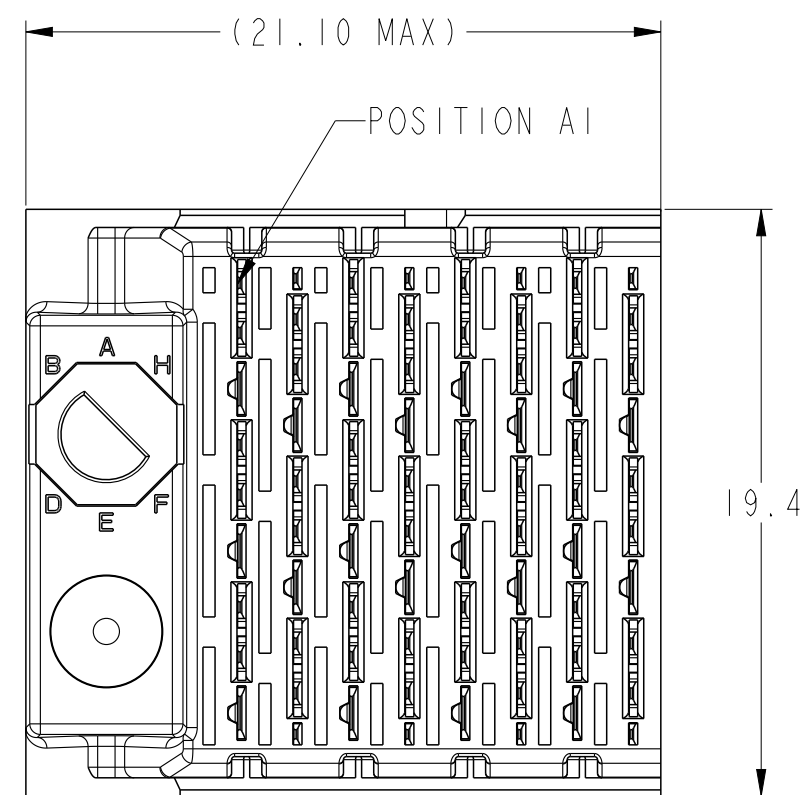
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tolerance std		-		eng		Michael Song		2016/06/01						ecn no		ELX-DG-24191-1					
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Heaven Cen		2016/06/08						rel level		Released					
				appr		Pei-Ming Zheng		2016/06/15						product family		XCEDE					
surface		linear		0.X		±0.2		Amphenol FCi		title		MODULE ASSEMBLY VERTICAL HEADER, 8-COLUMN, 3-PAIR		dwg no		10119191		rev		C	
		0.XX		±0.10																	
		0.XXX		±0.050																	
ASME Y14.5		angular		0°		±2°				cat. no.		-		Product - Customer Drw		sheet 2 of 8					

PDS: Rev :C

STATUS:Released

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LEFT POLARIZING/GUIDE MODULE

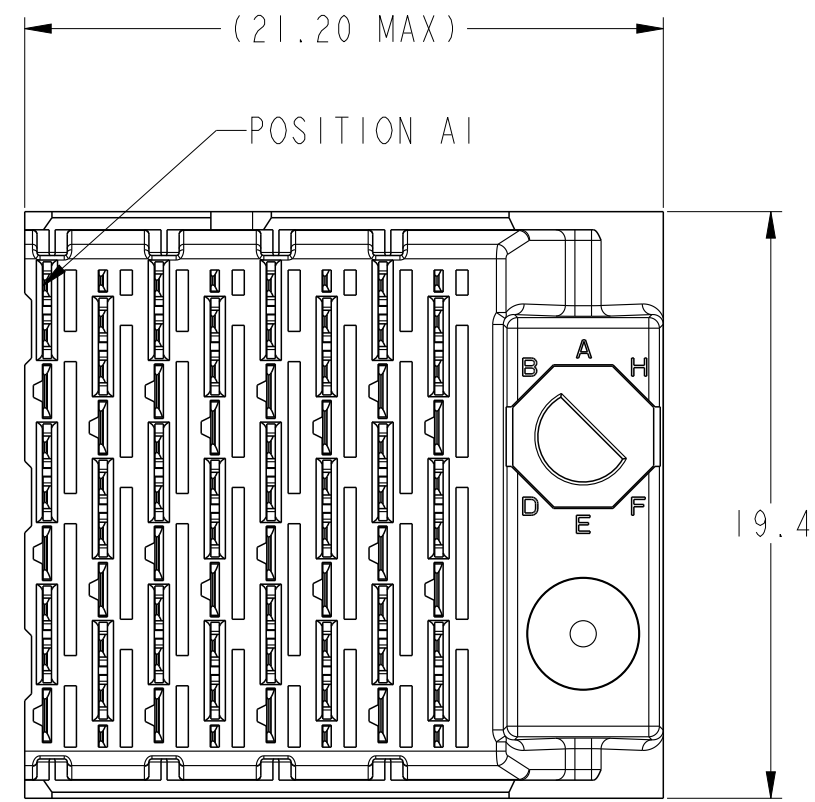


ASSEMBLY BASE CONFIGURATION END DASH NO.	GUIDE PIN	POLARIZING KEY
	DIM 'R'	DIM 'S'
-X0X	31.6mm	22.8mm
-X4X	25.7mm	20.0mm

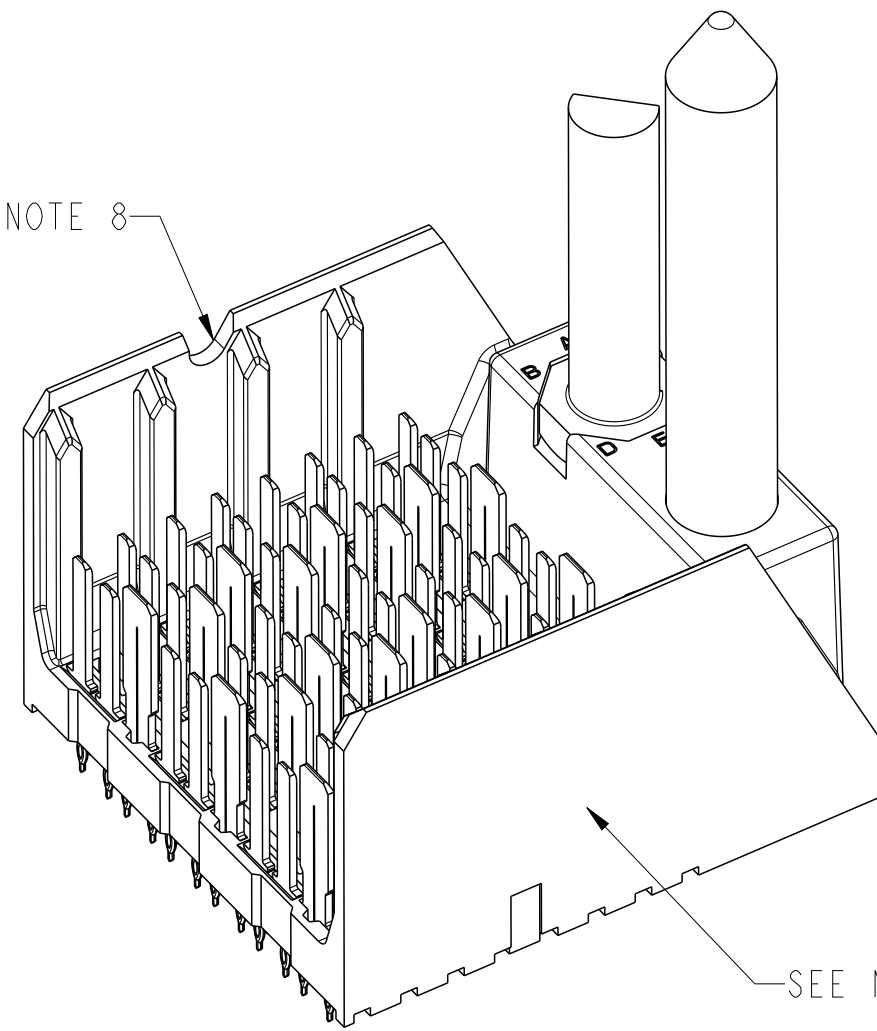
5.2 (3MM SMALL END GROUNDS)
5.2 (3MM WIPE SIGNALS)
4.2 (2MM WIPE SIGNALS)
SEE P/N TREE
6.2 (4MM WIPE WIDE GROUNDS)
5.2 (3MM WIPE WIDE GROUNDS)

spec ref		-		dr		Roger Ng		2011/11/22		projection		MM		size		scale			
tolerance std		-		eng		Michael Song		2016/06/01						A2		5:1			
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Heaven Cen		2016/06/08						ecn no		ELX-DG-24191-1			
				appr		Pei-Ming Zheng		2016/06/15		product family		XCED		rel level		Released			
surface		linear		0.X		±0.2		Amphenol FCI		title		MODULE ASSEMBLY		dwg no		10119191		rev	
				0.XXX		±0.10													
				0.XXX		±0.050													
ASME Y14.5		angular		0°		±0°						cat. no.		-		Product - Customer Drw		sheet 3 of 8	

RIGHT POLARIZING/GUIDE MODULE



SEE NOTE 8



2.54
TO TOP SURFACE
OF DAUGHTERCARD

SEE NOTE 5

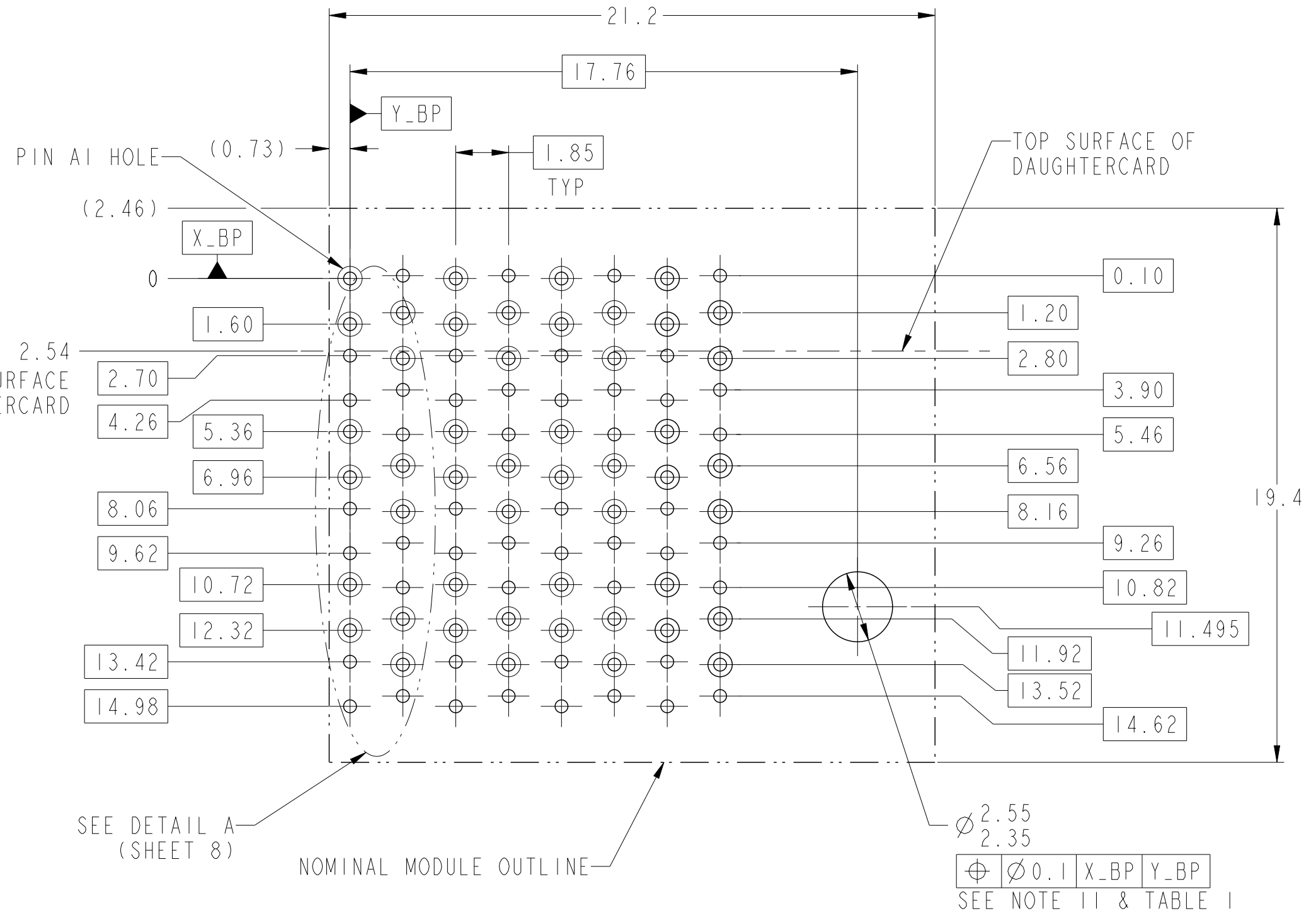
GUIDE PIN

OPTIONAL KEYING PIN
(SEE P/N TREE)

DIM 'S'

DIM 'R'

TAIL LENGTH
SEE NOTE 12



PCB HOLE PATTERN
COMPONENT SIDE
SCALE 6:1

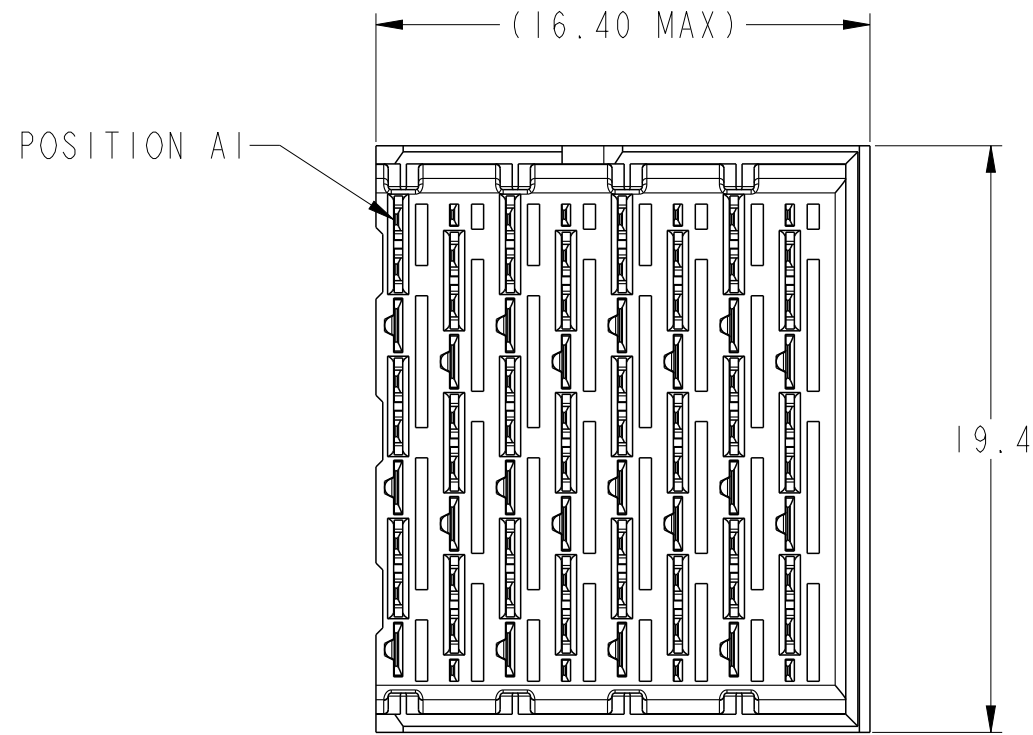
ASSEMBLY BASE CONFIGURATION END DASH NO.	GUIDE PIN	POLARIZING KEY
	DIM 'R'	DIM 'S'
-X0X	31.6mm	22.8mm
-X4X	25.7mm	20.0mm

5.2 (3MM SMALL END GROUNDS)
5.2 (3MM WIPE SIGNALS)
4.2 (2MM WIPE SIGNALS)
SEE P/N TREE

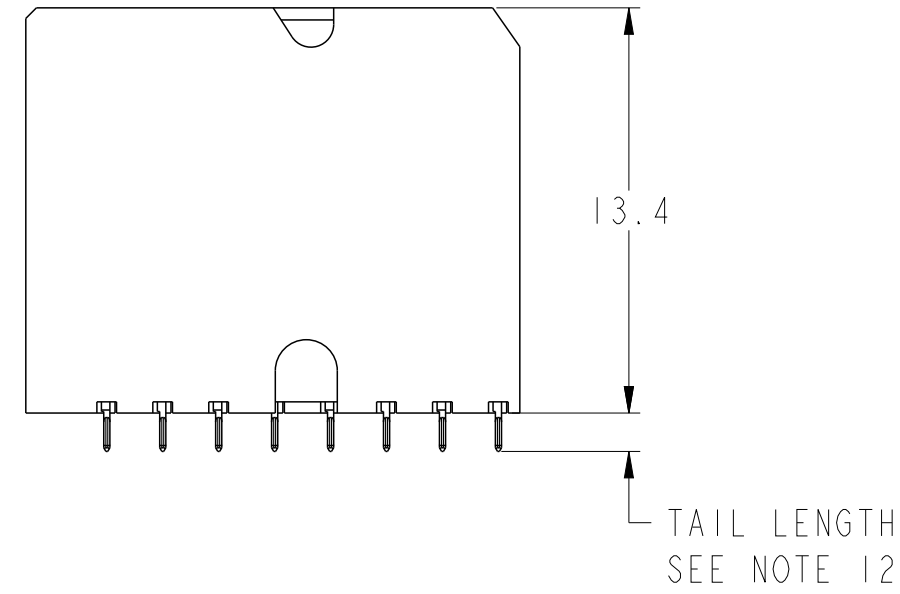
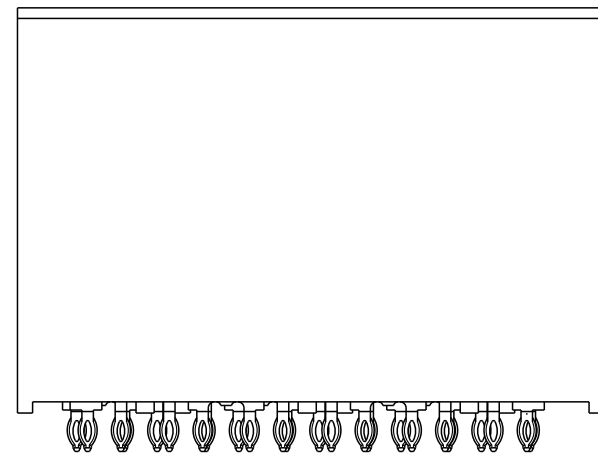
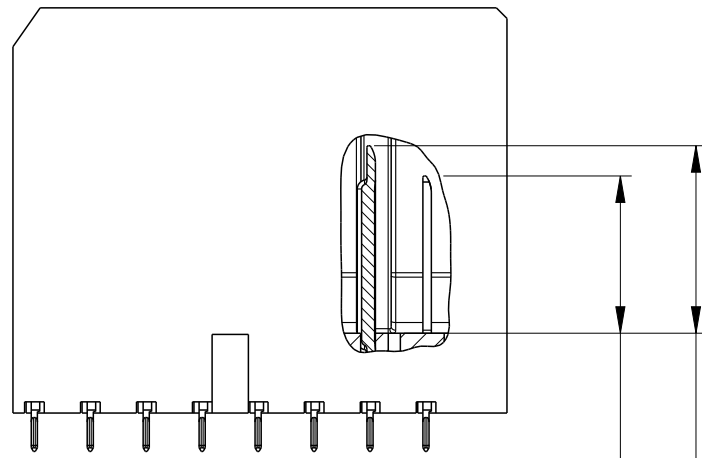
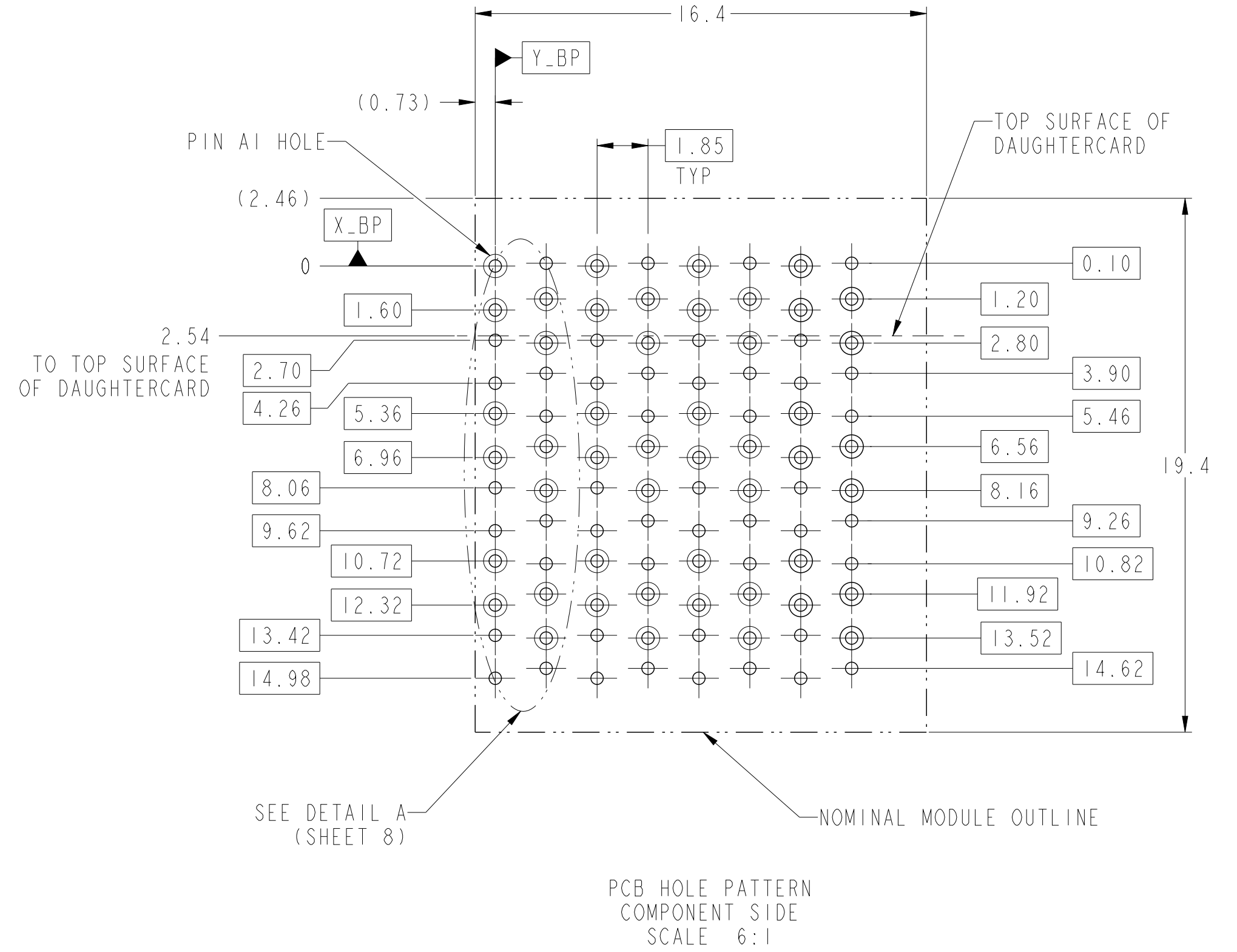
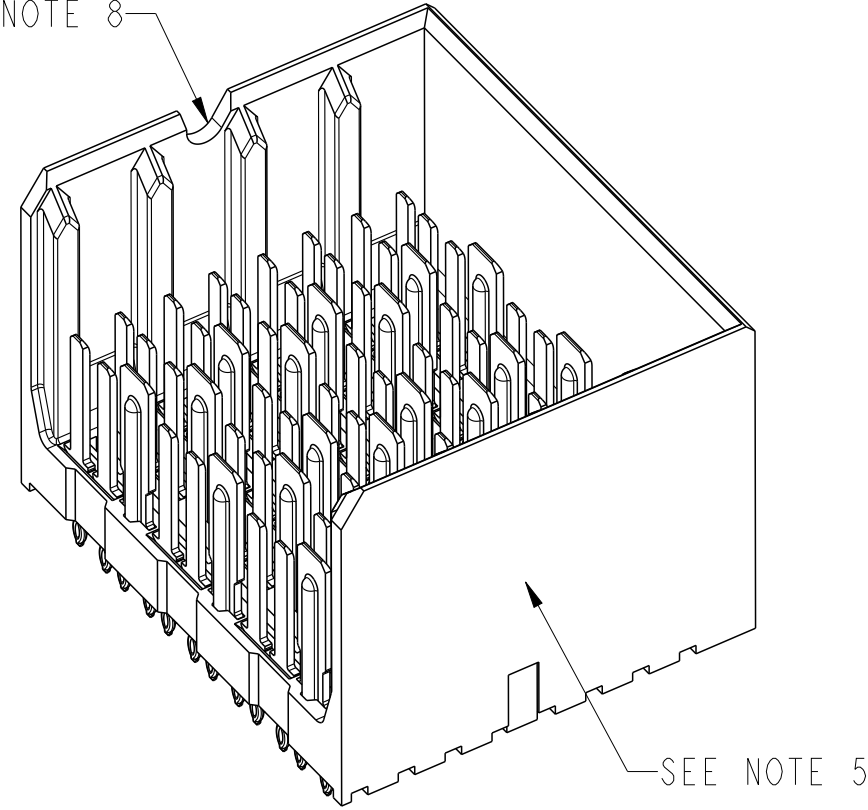
6.2 (4MM WIPE WIDE GROUNDS)
5.2 (3MM WIPE WIDE GROUNDS)

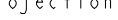
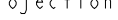
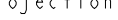
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tolerance std		-		eng		Michael Song		2016/06/01						ecn no		ELX-DG-24191-1		rel level		Released			
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Heaven Cen		2016/06/08															
				appr		Pei-Ming Zheng		2016/06/15														product family	
surface		linear		0.X		±0.2		Amphenol FCI		title		MODULE ASSEMBLY VERTICAL HEADER, 8-COLUMN, 3-PAIR		dwg no		10119191		rev		C			
		0.XX		±0.10																			
		0.XXX		±0.050																			
ASME Y14.5		angular		0°		±2°				cat. no.		-		Product - Customer Drw		sheet 4 of 8							

RIGHT WALL MODULE



SEE NOTE 8



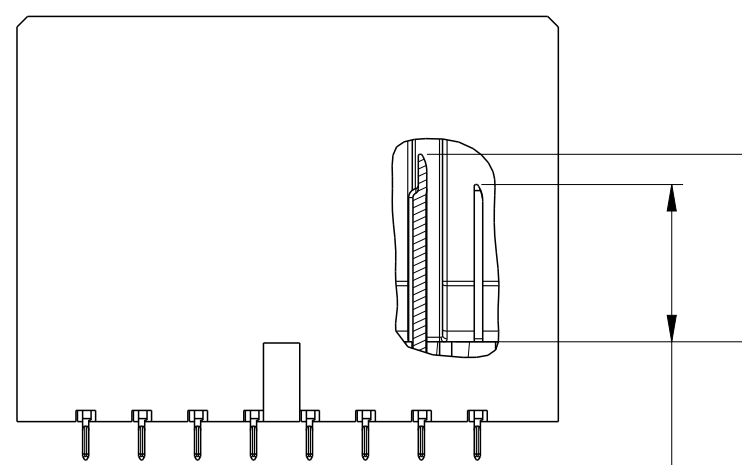
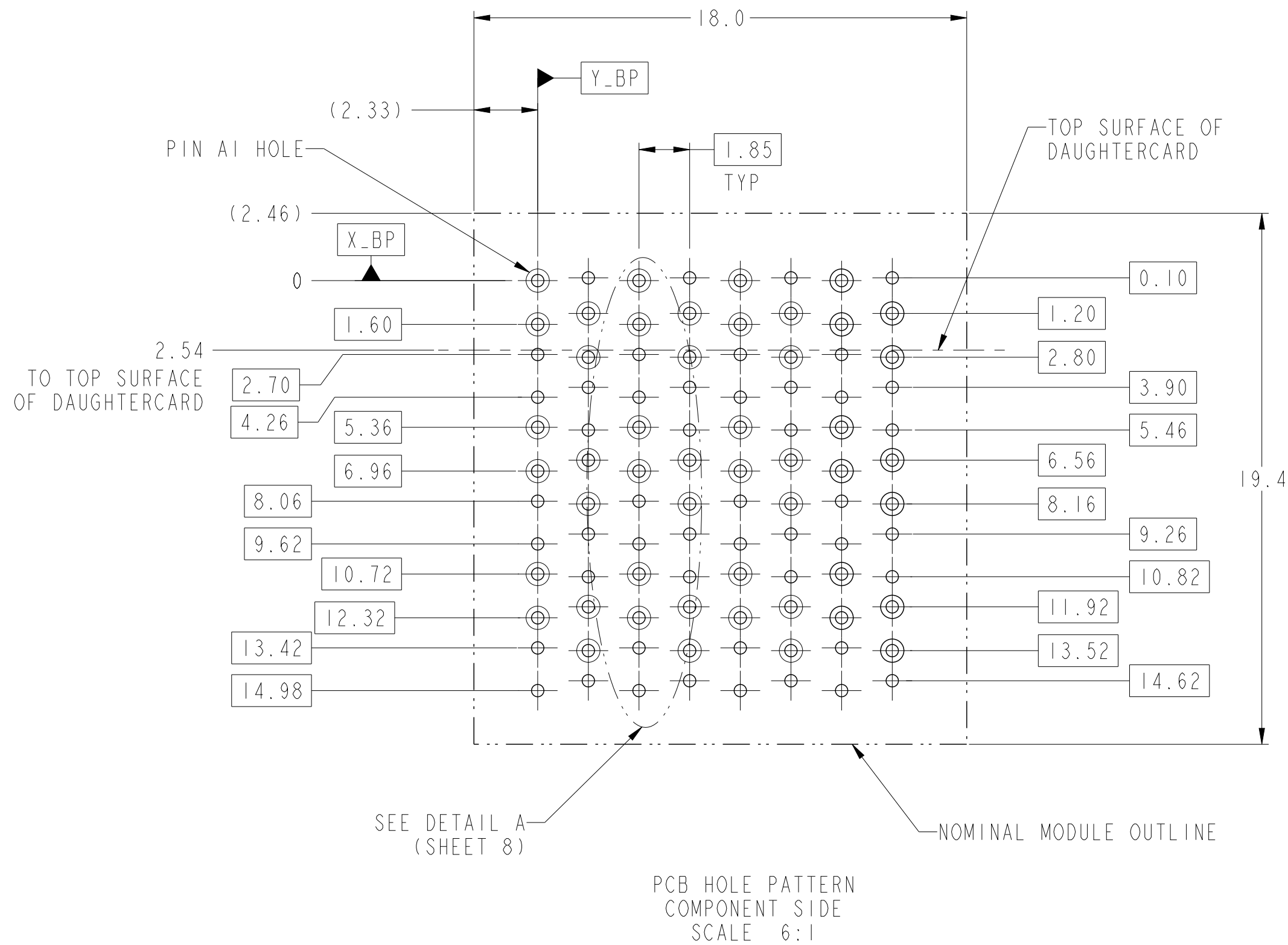
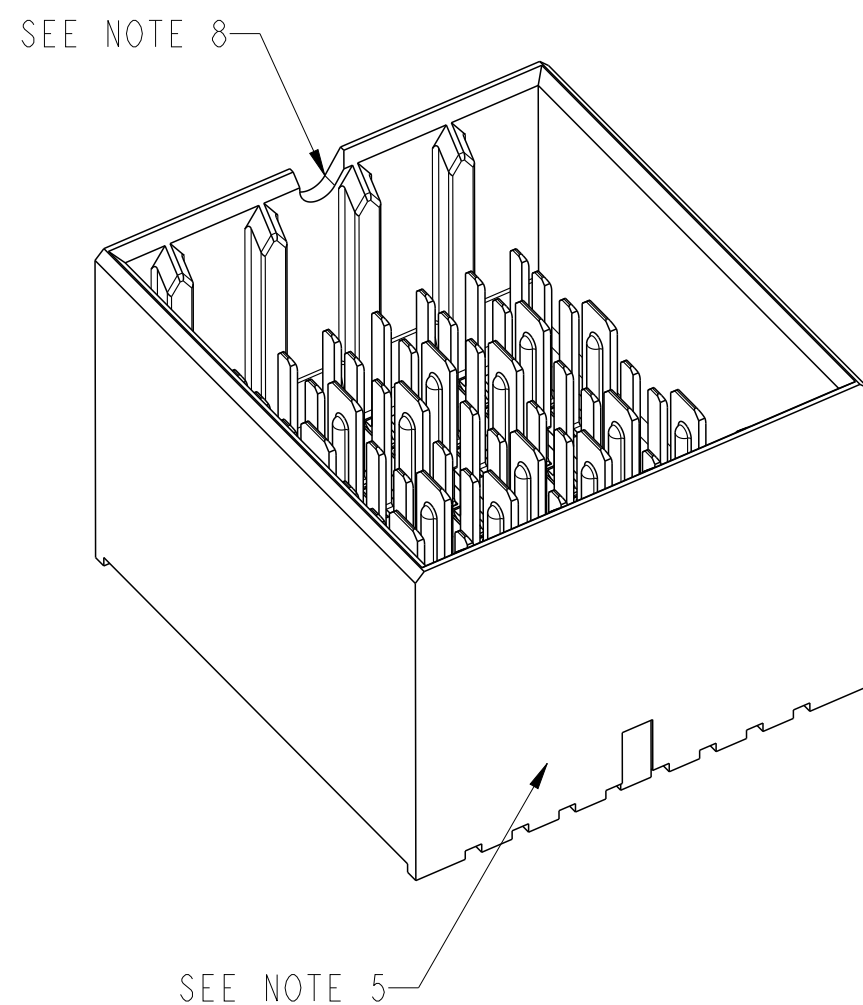
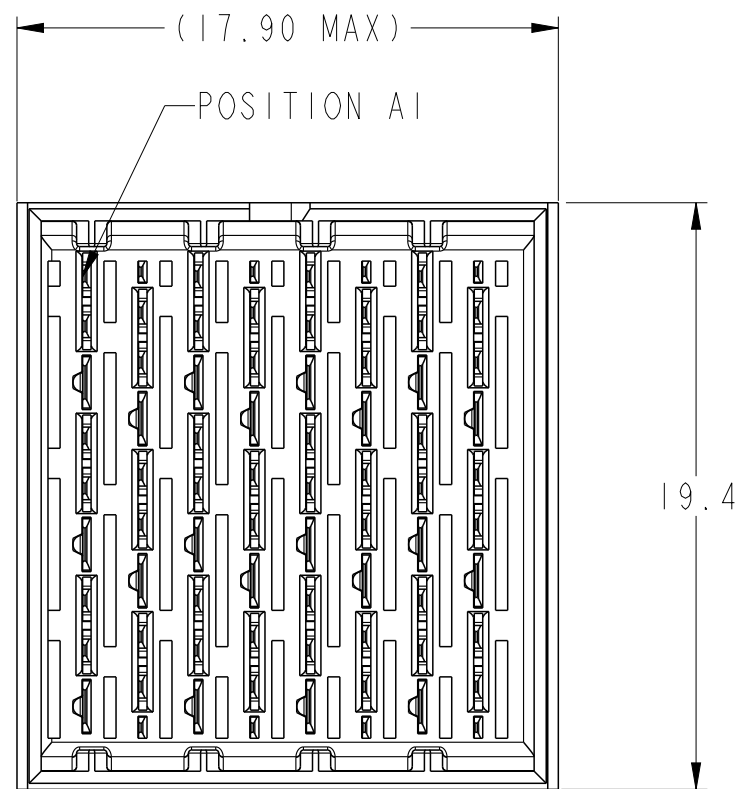
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tolerance std		-	eng		Michael Song	2016/06/01					←		ecn no		ELX-DG-24191-1				
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Heaven Cen							2016/06/08	rel level		Released			
				appr		Pei-Ming Zheng							2016/06/15	product family		XCEDE			
surface		linear	0.X	±0.2	Amphenol FCI		title		MODULE ASSEMBLY		dwg no		10119191		rev		C		
			0.XX	±0.10															
			0.XXX	±0.050															
ASME Y14.5		angular	0°	±2°			cat. no.		-	Product - Customer Drw		sheet 6 of 8							

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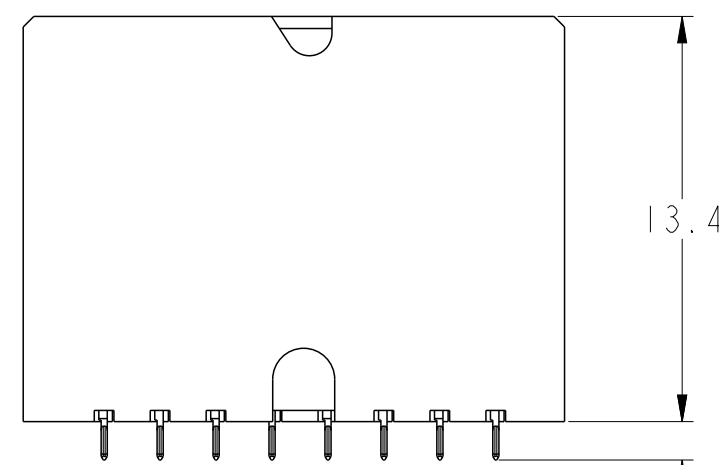
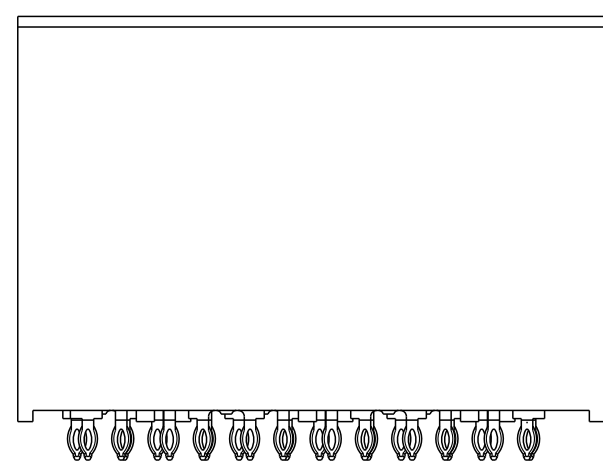
STATUS:Released

Printed: Jun 15, 2016

FOUR WALL MODULE



5.2 (3MM SMALL END GROUNDS)
5.2 (3MM WIPE SIGNALS)
4.2 (2MM WIPE SIGNALS)
SEE P/N TREE
6.2 (4MM WIPE WIDE GROUNDS)
5.2 (3MM WIPE WIDE GROUNDS)



TAIL LENGTH
SEE NOTE 12

spec ref		-		dr		Roger Ng		2011/11/22		projection		MM		size		A2		scale		4:1									
tolerance std		-		eng		Michael Song		2016/06/01						ecn no		ELX-DG-24191-1													
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Heaven Cen		2016/06/08						rel level		Released													
				appr		Pei-Ming Zheng		2016/06/15						product family		XCEDE													
surface		linear		0.X		±0.2		Amphenol FCI		title		MODULE ASSEMBLY						dwg no		10119191						rev		C	
				0.XX		±0.10																							
				0.XXX		±0.050																							
ASME Y14.5		angular		0°		±2°				cat. no.		-		Product - Customer Drw		sheet 7 of 8													

PDS: Rev :C

STATUS:Released

Printed: Jun 15, 2016

NOTES:

1. CONNECTOR MATERIALS
SHROUD: HIGH-TEMP THERMOPLASTIC, GRAY, UL94V-0
CONTACTS: HIGH PERFORMANCE COPPER ALLOY
2. CONTACT PLATING:

SEPARABLE INTERFACE: PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12 588, INCLUDING THE TELCORDIA GR-1217-CORE (NOVEMBER 1995) CENTRAL OFFICE (CO) OR UNCONTROLLED ENVIRONMENT (UE) TEST SEQUENCE AS NOTED IN P/N TREE.

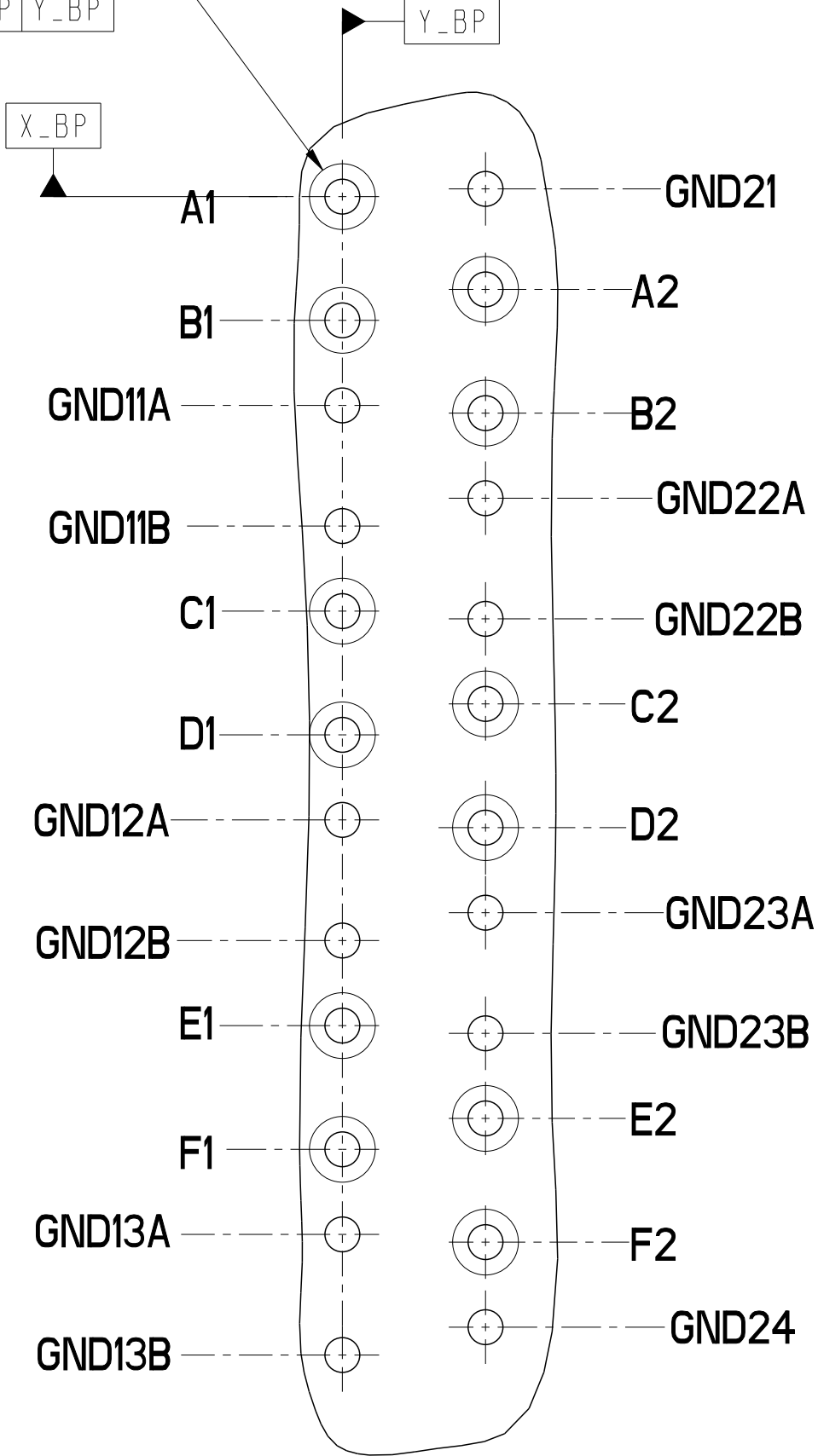
PRESS-FIT TAILS: TIN OVER NICKEL (LF), OR TIN-LEAD ALLOY OVER NICKEL (NON-LF). SEE P/N TREE.
3. PRODUCT SPECIFICATION: GS-12-588
4. APPLCATION SPECIFICATION: GS-20-121
5. PRODUCT MARKING (PART NUMBER AND LOT CODE) ON THESE SURFACES.
6. HOUSING MUST WITHSAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 40 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR-PHASE REFLOW OVEN.
7. PACKAGING MEETS GS-14-920 LEAD-FREE LABELING SPECIFICATION.
8. NOTCH INDICATES "ROW A" SIDE OF CONNECTOR.
9. SEE APPLICATION SPECIFICATION FOR ROUTING GUIDELINES, ADDITIONAL PTH GUIDELINES, MATED DIMENSIONS, GUIDE PN SELECTION, ETC.
10. SCREW IS OPTIONAL AND ENGAGES WITH BOTTOM OF GUIDE-PIN FROM BENEATH THE PCB FOR ADDITIONAL GUIDE-PIN SUPPORT.
11. OPTINAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE-PIN SUPPORT. SEE TABLE 1 ON SHEET 1 FOR ADDITIONAL DETAILS.
12. TAIL LENGTH=1.3mm FOR Ø0.55[0.0217"]COMPLIANT PIN DRILL
TAIL LENGTH=1.5mm FOR Ø0.45[0.0177"]COMPLIANT PIN DRILL

TABLE 3: PTH AND PAD SIZES WITH REFERENCE TO COMPLIANT PIN DRILL

COMPLIANT PIN DRILL	PTH	PAD
Ø0.55 [0.0217"]	Ø0.45±0.05	Ø0.85
Ø0.45 [0.0177"]	Ø0.36±0.05	Ø0.75

REFER TO TABLE 3 FOR PTH, DRILL & PAD SIZES

⌀	Ø0.10	X_BP	Y_BP
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DETAIL A
SCALE 12:1

spec ref -				dr Roger Ng		2011/11/22		projection		MM		size A2		scale 3:1	
tolerance std -				eng Michael Song		2016/06/01						ecn no ELX-DG-24191-1			
TOLERANCES UNLESS OTHERWISE SPECIFIED				chr Heaven Cen		2016/06/08									
ASME Y14.5				appr Pei-Ming Zheng		2016/06/15									
								product family		-		rel level Released			
surface -		linear		0.X		±0.2		Amphenol FCI		title MODULE ASSEMBLY VERTICAL HEADER, 8-COLUMN, 3-PAIR		dwg no 10119191		rev C	
				0.XX		±0.10									
ASME Y14.5		angular		0.XXX		±0.050									
		0°		±2°				cat. no.		-		Product - Customer Drw			
												sheet 8 of 8			