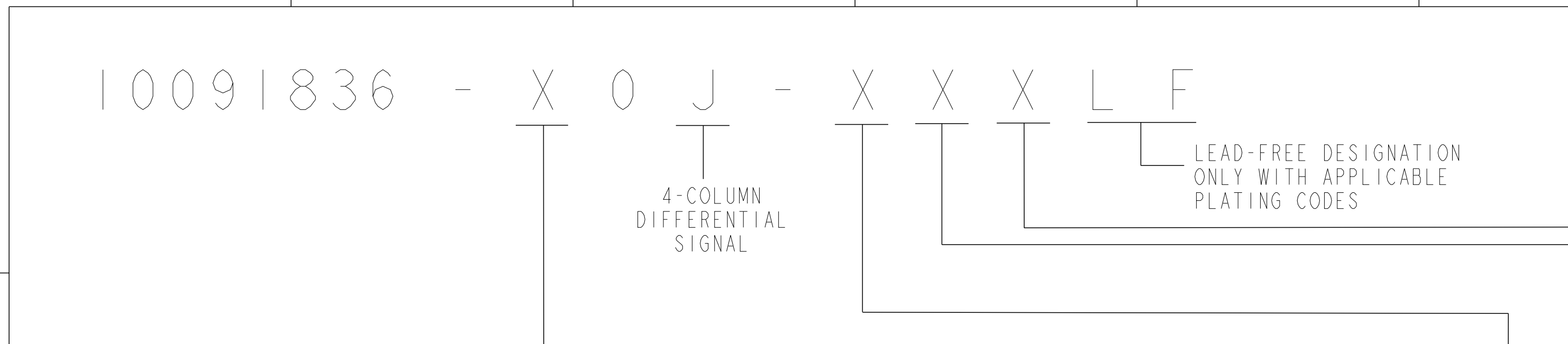




LETTER	PEFORMANCE-BASED PLATING (SEE NOTE 2)	
	TARGET APPLICATION	LEAD FREE (LF)
B	TELCORDIA CO	NO
C	TELCORDIA UE	NO
D	TELCORDIA CO	YES
E	TELCORDIA UE	YES

NUMBER	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)	1										

NUMBER	CONTACT MATING WIPE LENGTH		COMPLIANT PIN DRILL SIZE
	SIGNAL	WIDE 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" PHILLIPS PANHEAD W/SQ CONICAL WASHER	1.60 - 5.00
10091790-003LF	#2-56 X .500" PHILLIPS PANHEAD W/SQ CONICAL WASHER	5.00 - 10.00

spec ref

tolerance std

ASME Y14.5

SEE NOTES
TOLERANCES UNLESS OTHERWISE SPECIFIED

dr

eng

chr

appr

Jim Swain

Michael Song

Heaven Cen

Pei-Ming Zheng

2010/04/13

2016/06/06

2016/06/08

2016/06/15

projection

MM

size

A2

scale

4:1

ecn no

rel level

ELX-DG-24191-1

Released

product family

-

rel level

Released

surface

linear

angular

0.X

0.XX

0.XXX

±0.2

±0.10

±0.050

±°

ASME Y14.5

0°

±°

Amphenol FCI

title

cat. no.

MODULE ASSEMBLY

VERTICAL HEADER, 4-COLUMN, 4-PAIR

-

dwg no

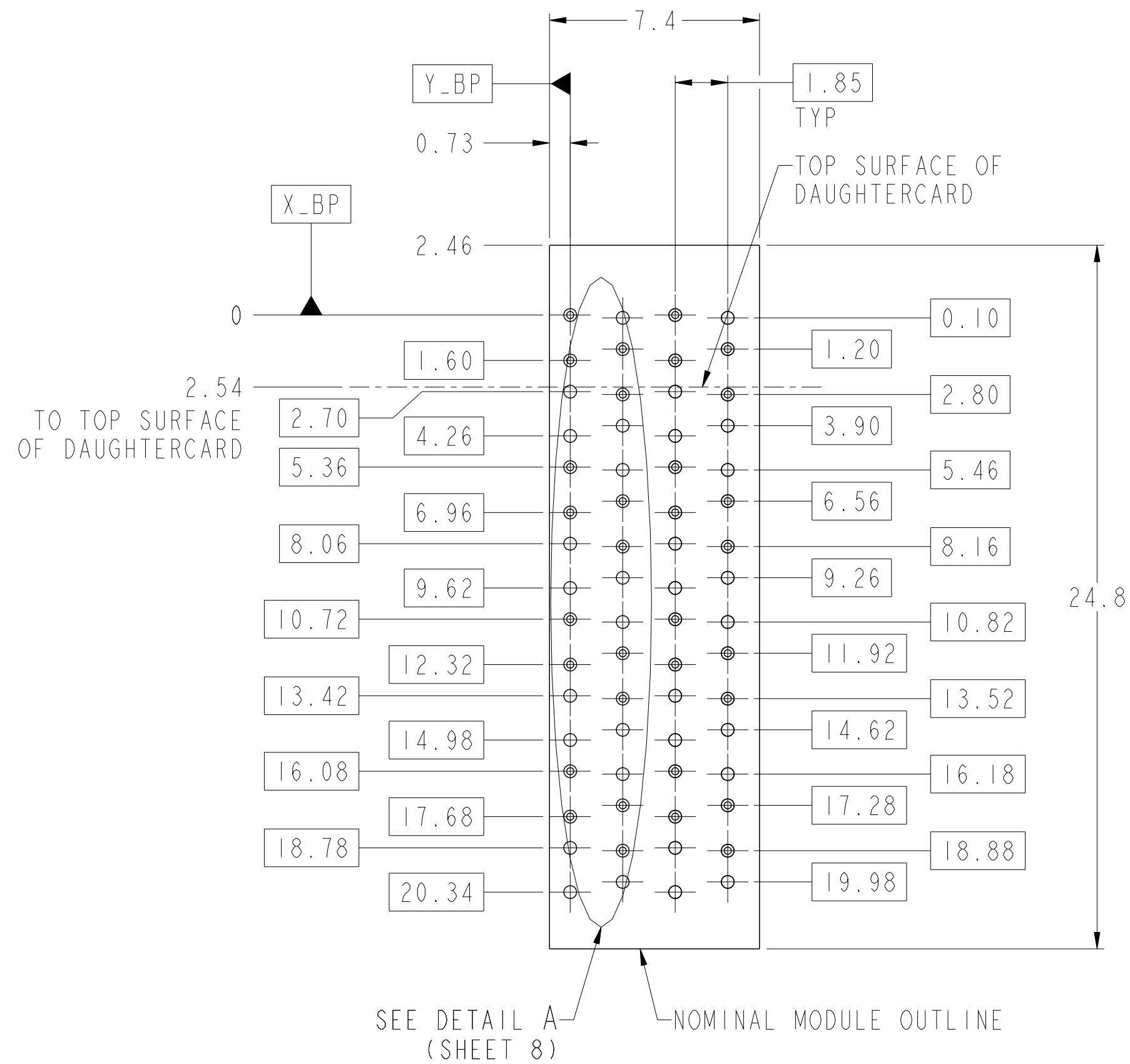
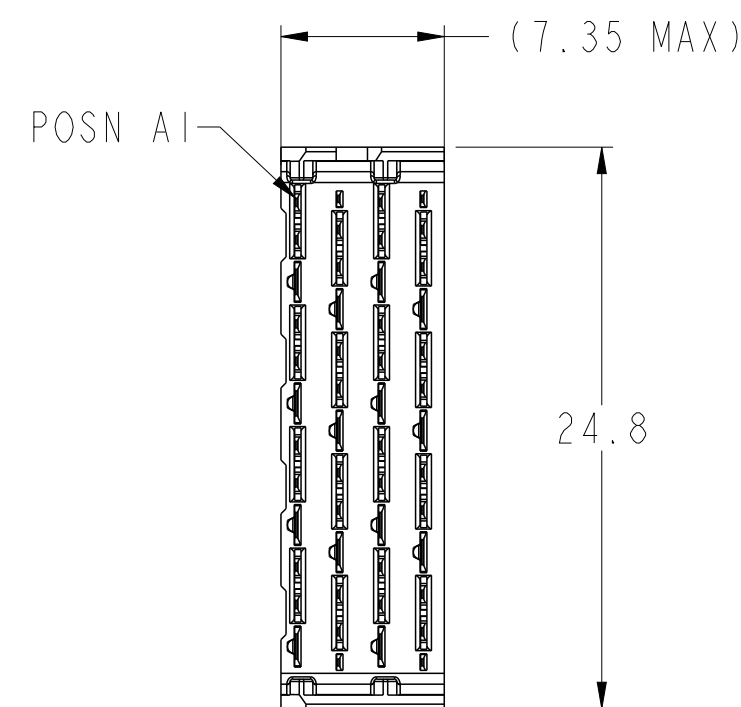
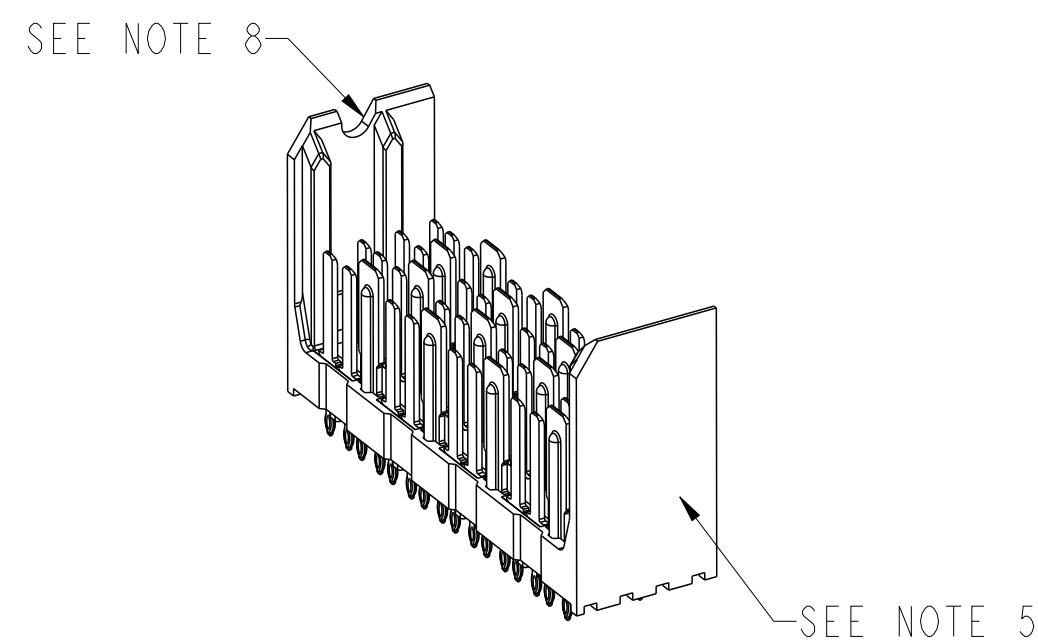
10091836

rev

G

Product - Customer Drw

sheet 1 of 8

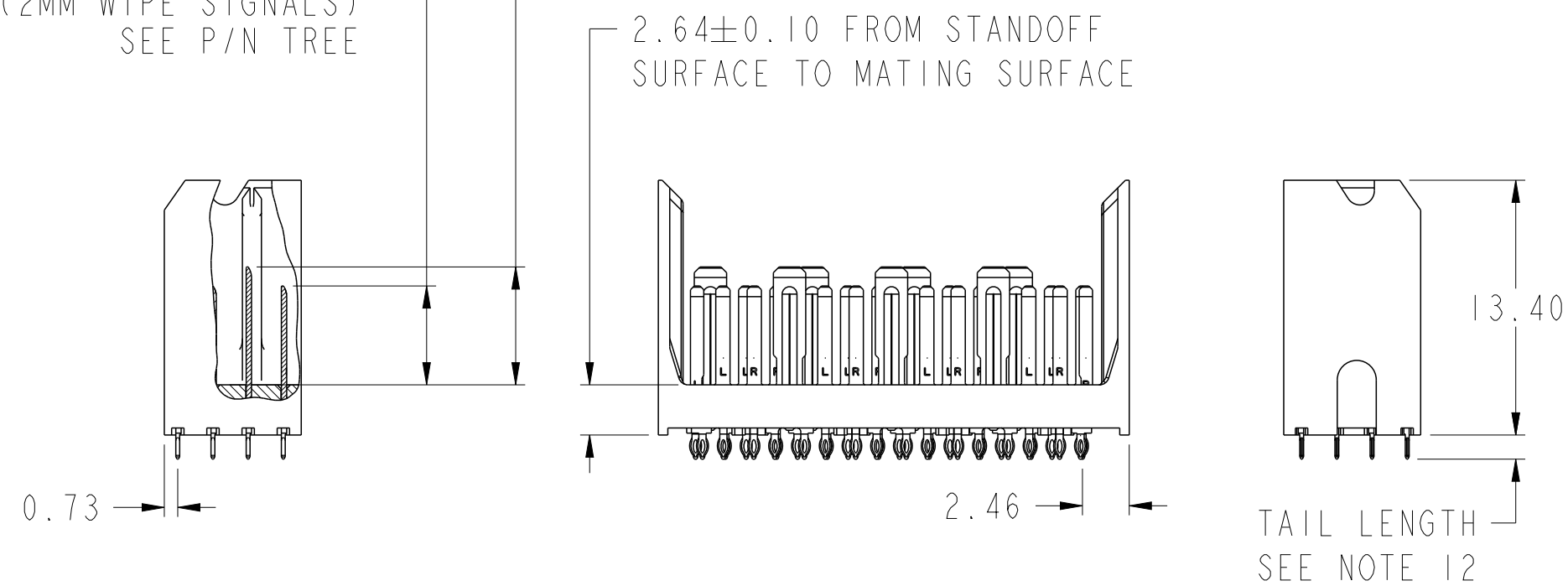


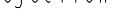
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6.2 (4MM WIPE WIDE GROUNDS)
5.2 (3MM WIPE WIDE GROUNDS)

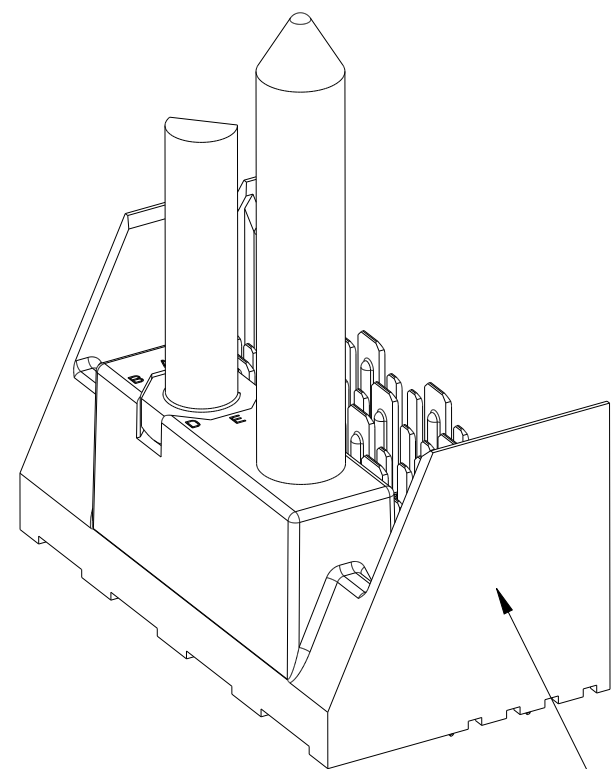
5.2 (3MM SMALL END GROUNDS)
    5.2 (3MM WIPE SIGNALS)
    4.2 (2MM WIPE SIGNALS)
        SEE P/N TREE

```

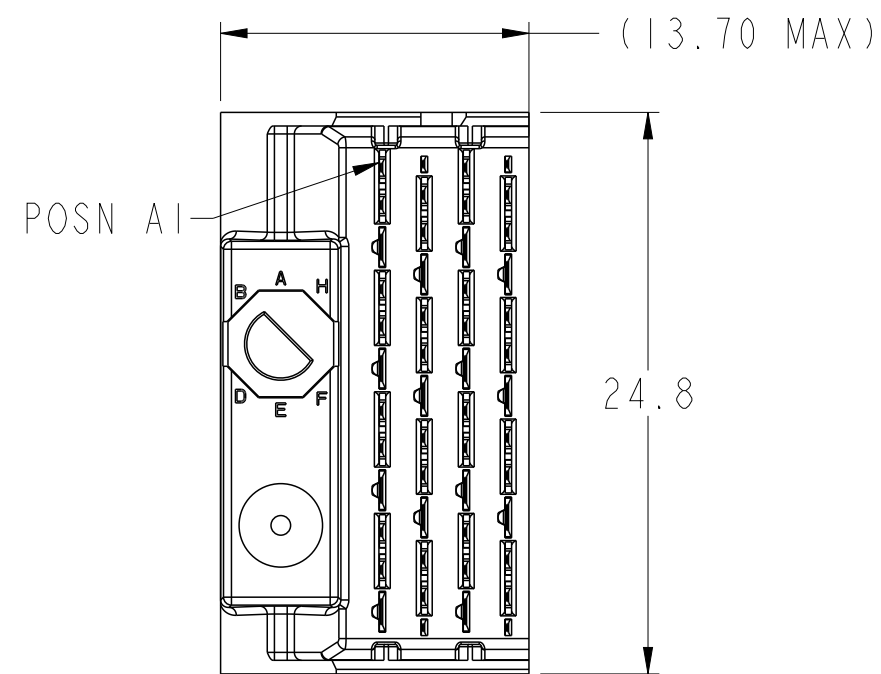


spec ref		SEE NOTES				dr Jim Swain		2010/04/13		projection		size A2		scale 4:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng Michael Song		2016/06/06				MM			
ASME Y14.5						chr Heaven Cen		2016/06/08							
		appr Pei-Ming Zheng		2016/06/15		product family		-		ecn no ELX-DG-24191-1		rel level Released			
surface ✓ ASME Y14.5		linear		0.X ±0.2		Ampheon FC1		title MODULE ASSEMBLY VERTICAL HEADER, 4-COLUMN, 4-PAIR		dwg no 10091836		rev G			
				0.XX ±0.10											
		angular		0.XXX ±0.050 ± .°											
						cat. no.		-		Product - Customer Drw		sheet 2 of 8			

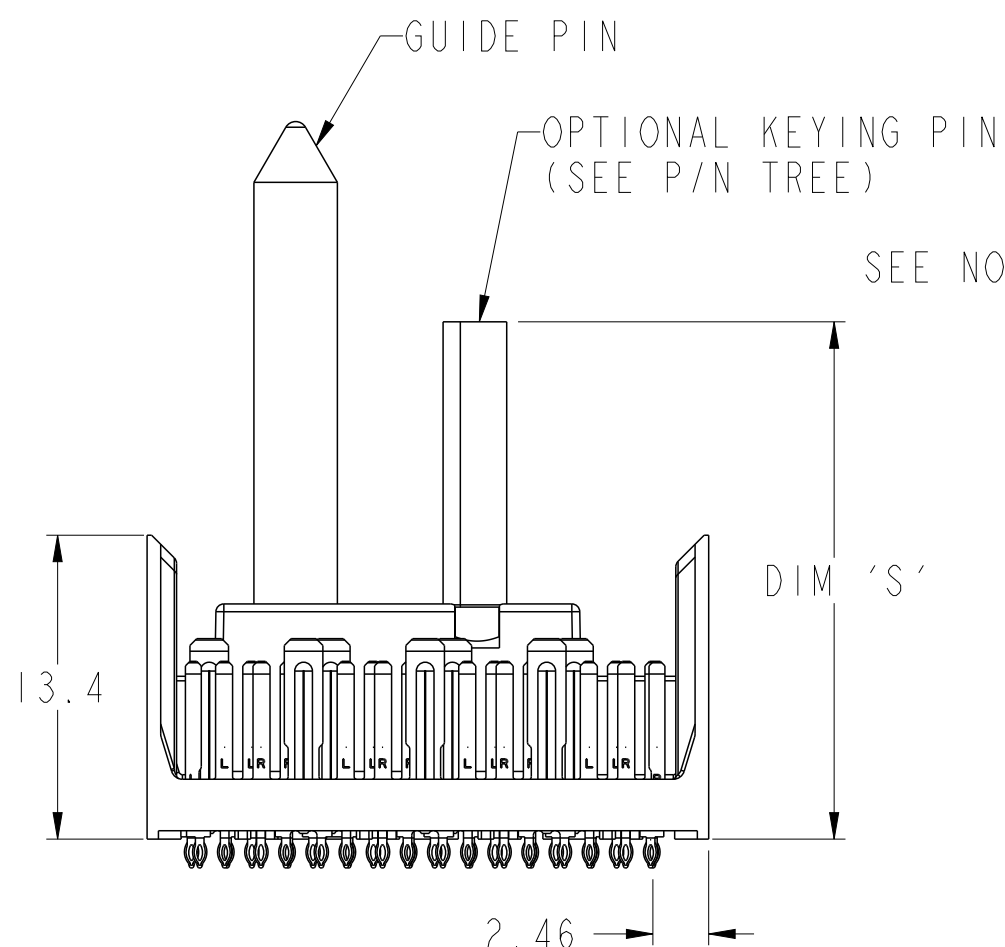
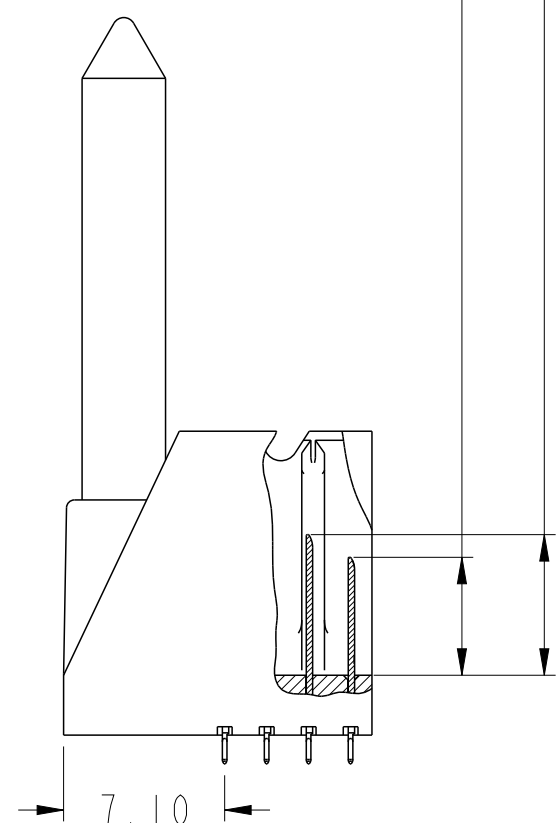
LEFT POLARIZING/GUIDE MODULE



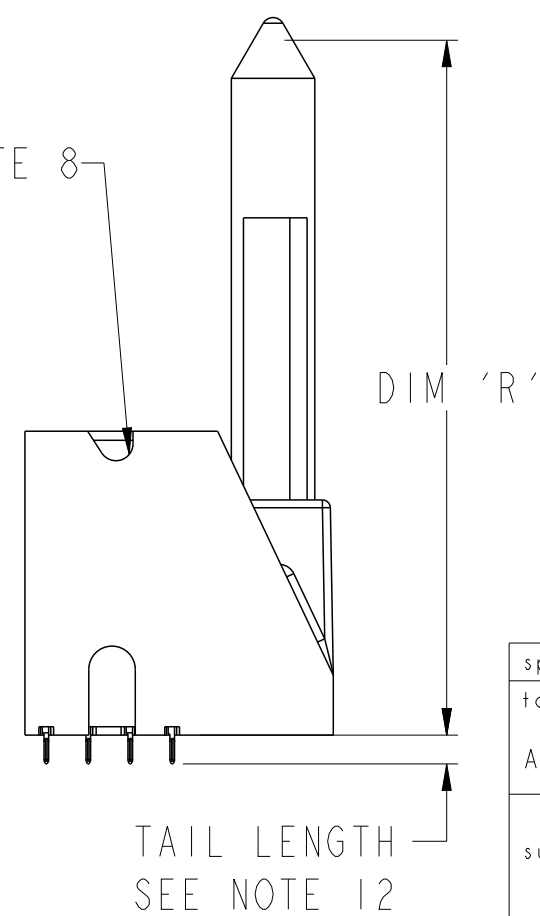
SEE NOTE 5



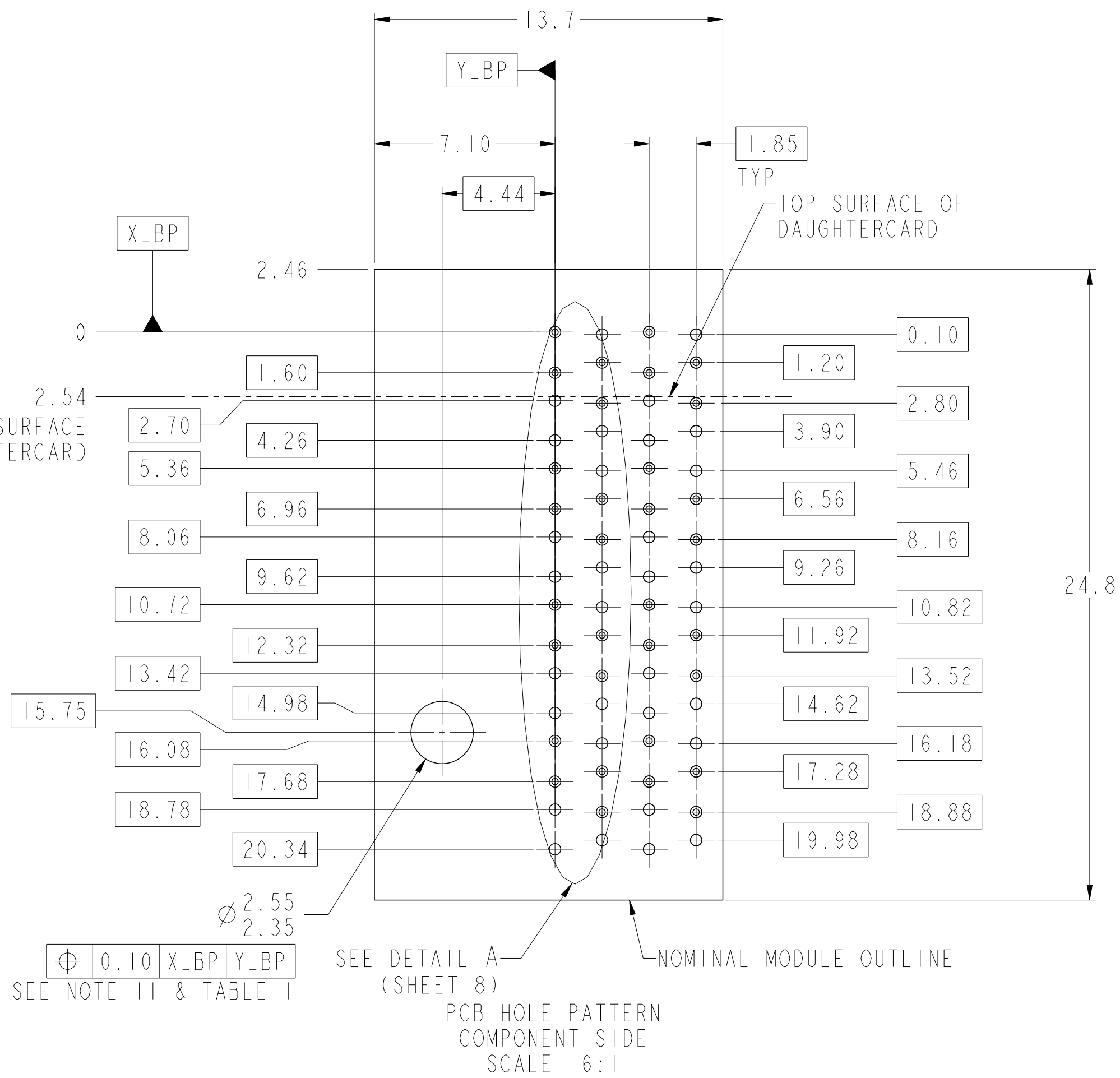
- 6.2 (4MM WIPE WIDE GROUNDS)
- 5.2 (3MM WIPE WIDE GROUNDS)
- 5.2 (3MM SMALL END GROUNDS)
- 5.2 (3MM WIPE SIGNALS)
- 4.2 (2MM WIPE SIGNALS)
- SEE P/N TREE



SEE NOTE 8



TO TOP SURFACE OF DAUGHTERCARD



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

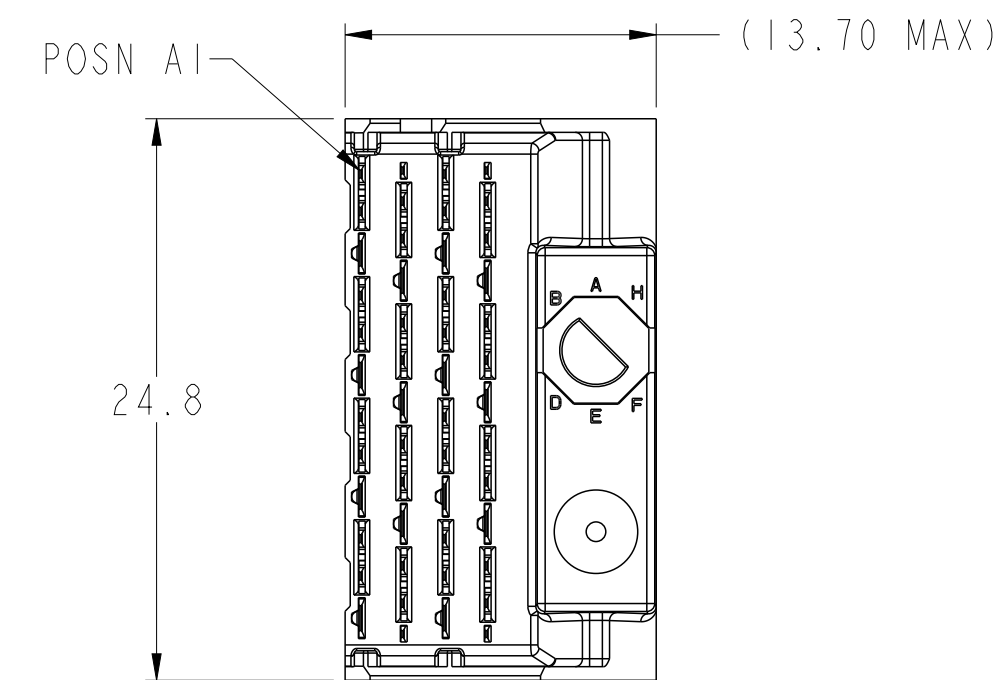
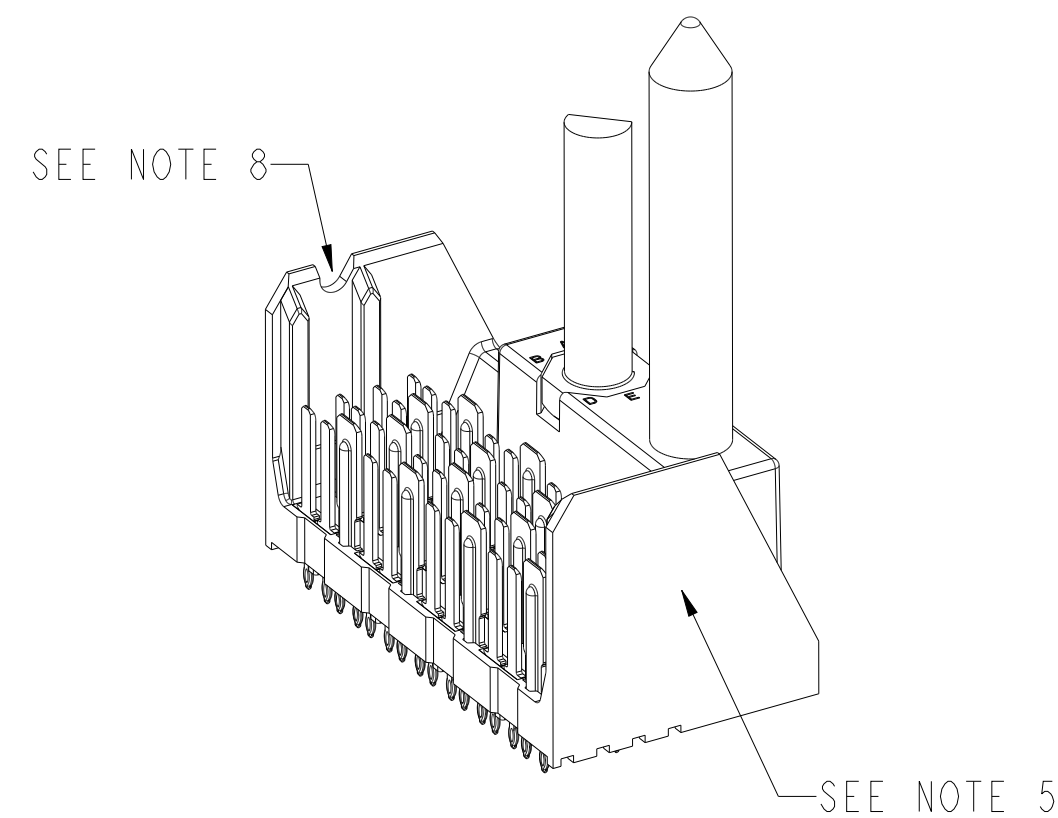
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tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Michael Song		2016/06/06						ecn no		ELX-DG-24191-1		rel level		Released	
ASME Y14.5				chr		Heaven Cen		2016/06/08													
				appr		Pei-Ming Zheng		2016/06/15		product family		XCede									
surface		linear		0.X		±0.2		Amphenol FCI		title		MODULE ASSEMBLY		dwg no		10091836		rev		G	
		0.XX		±0.10																	
		0.XXX		±0.050																	
ASME Y14.5		angular		0°		±0.5°				cat. no.		SEE P/N TREE		Product - Customer Drw		sheet 3 of 8					

PDS: Rev :G

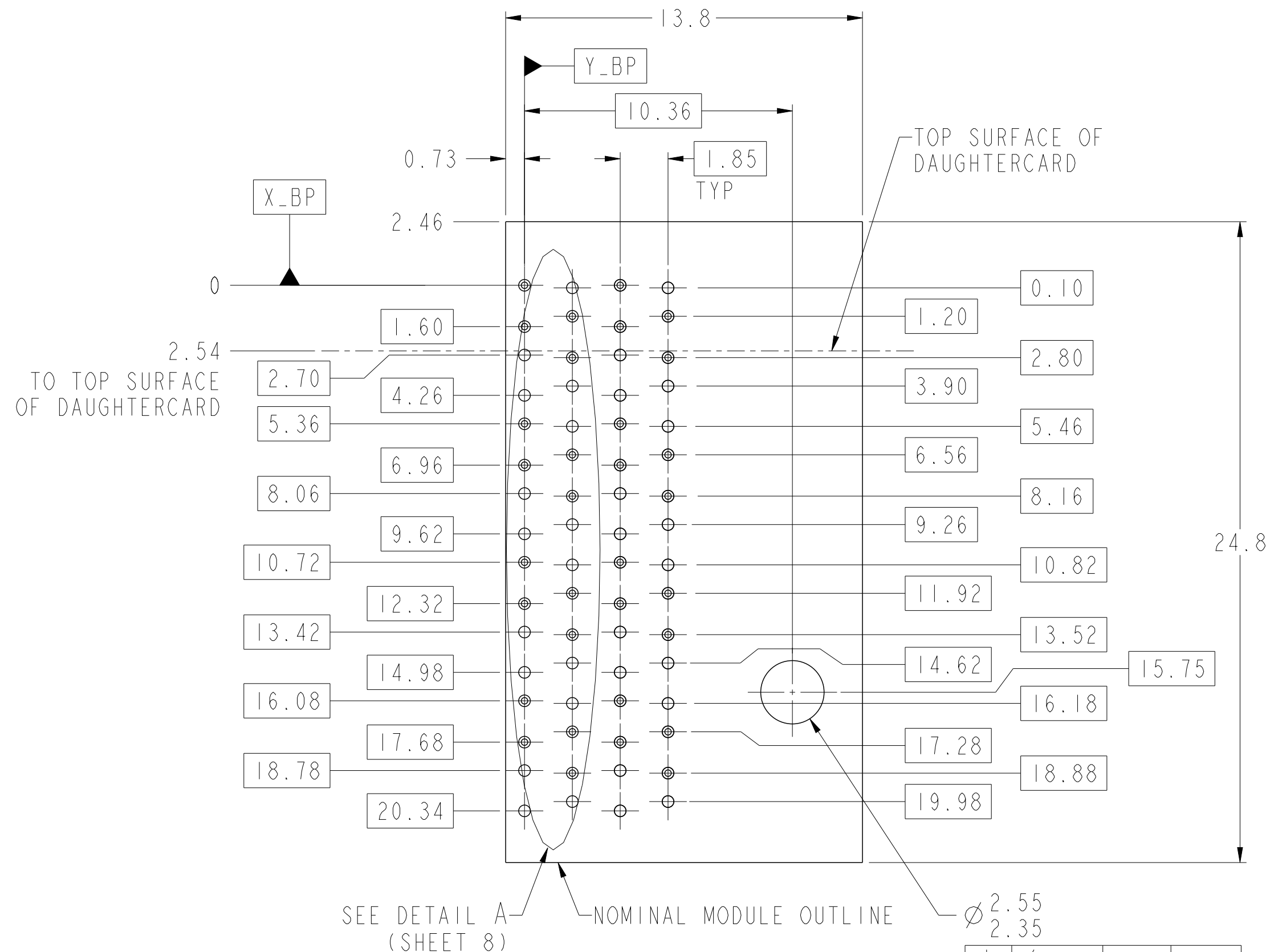
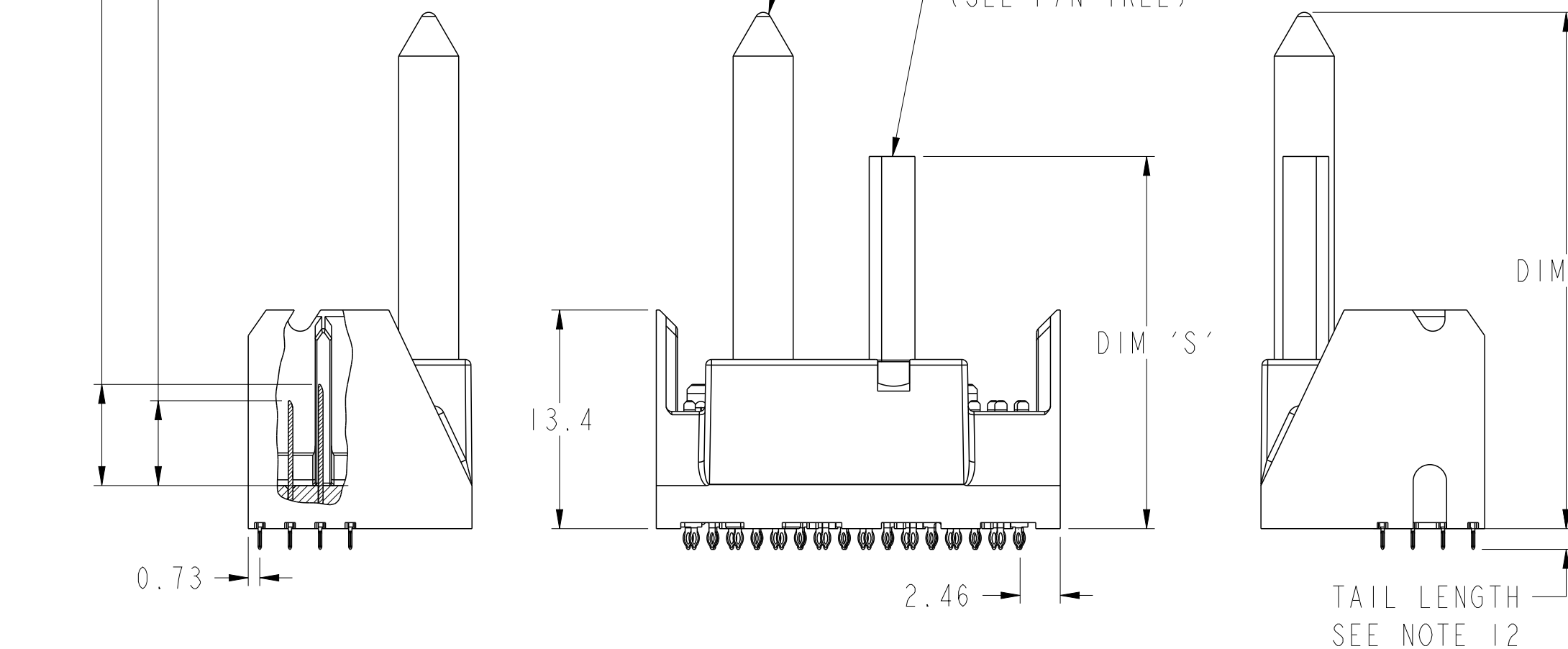
STATUS:Released

Printed: Jun 15, 2016

RIGHT POLARIZING/GUIDE MODULE



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



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

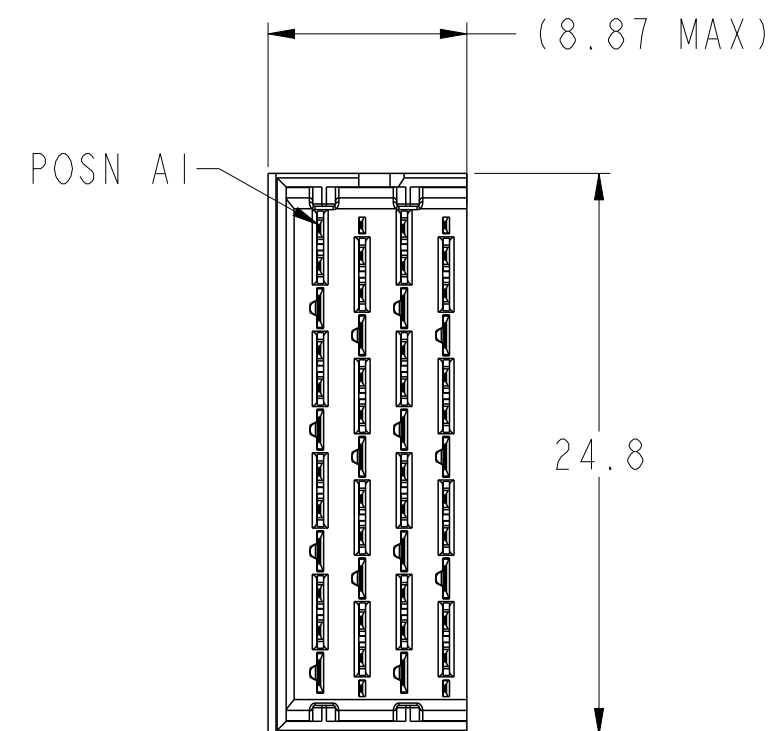
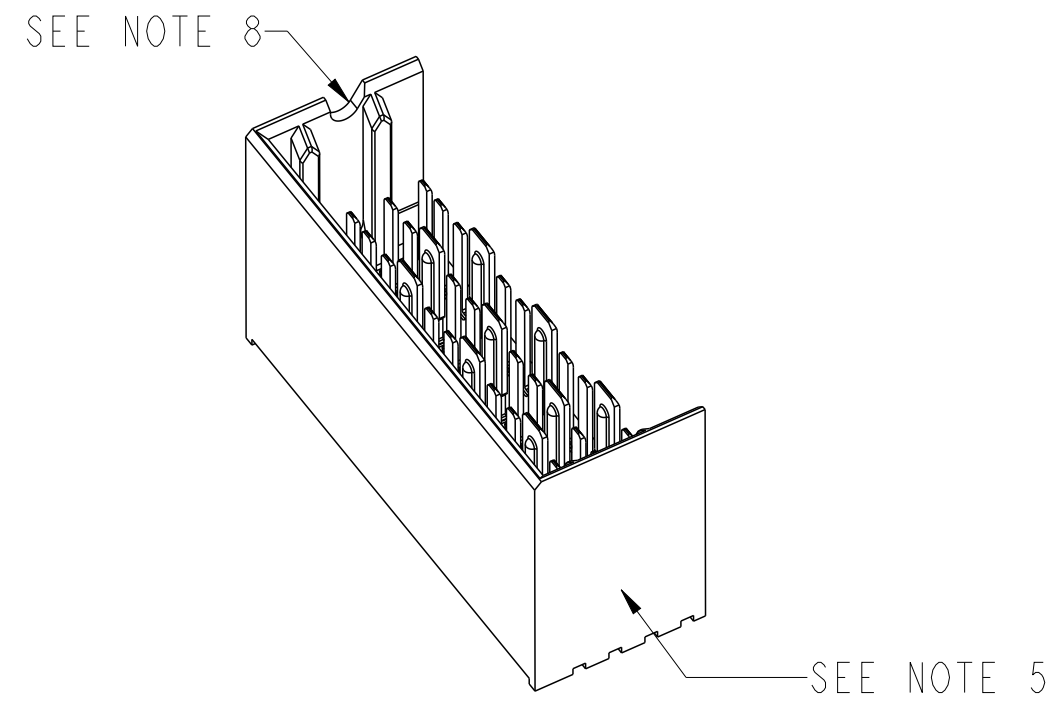
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tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Michael Song	2016/06/06				ecn no	ELX-DG-24191-1			
ASME Y14.5			chr	Heaven Cen	2016/06/08	appr	Pei-Ming Zheng	2016/06/15	product family		XCede	rel level	Released
surface	linear	0.X	±0.2	Amphenol FCi	title	MODULE ASSEMBLY VERTICAL HEADER, 4-COLUMN, 4-PAIR			dwg no	10091836		rev	G
		0.XX	±0.10										
		0.XXX	±0.050										
ASME Y14.5	angular	0°	±0°	cat. no.	SEE P/N TREE	Product - Customer Drw				sheet 4 of 8			

PDS: Rev:G

STATUS:Released

Printed: Jun 15, 2016

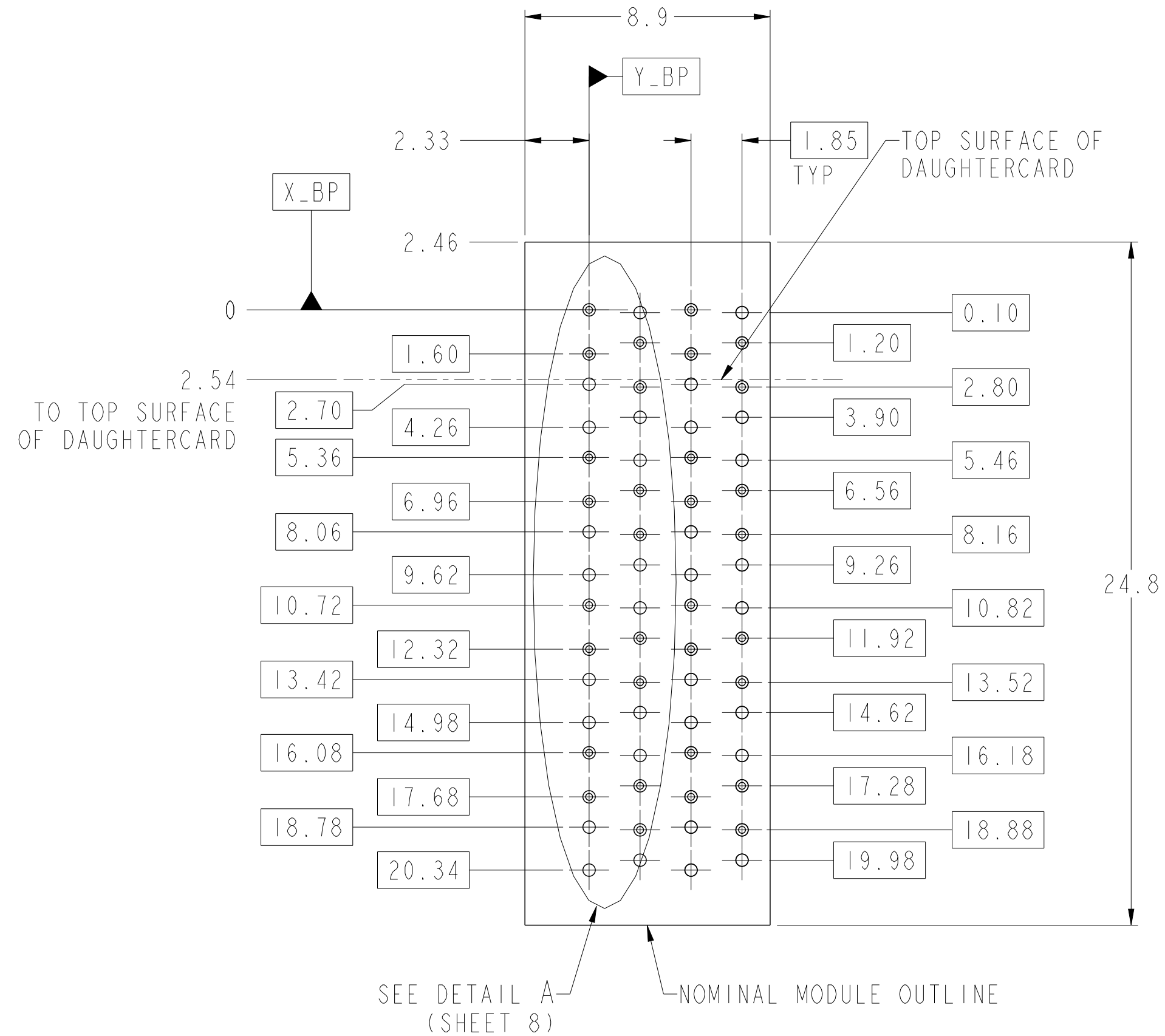
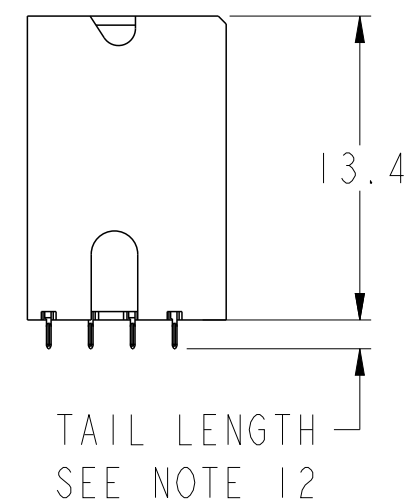
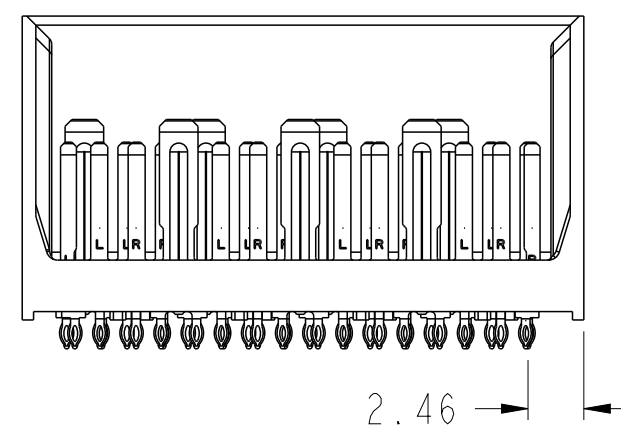
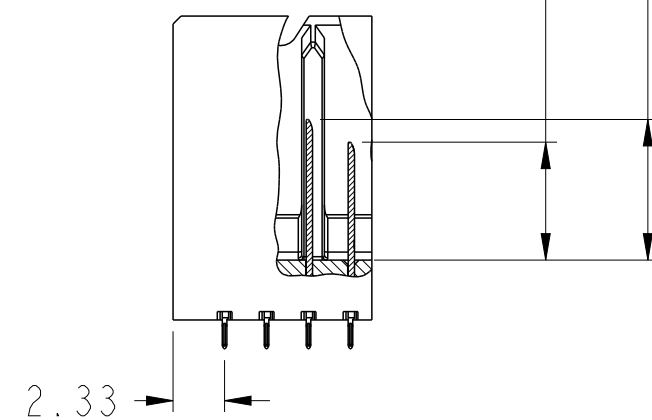
LEFT WALL MODULE



```

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

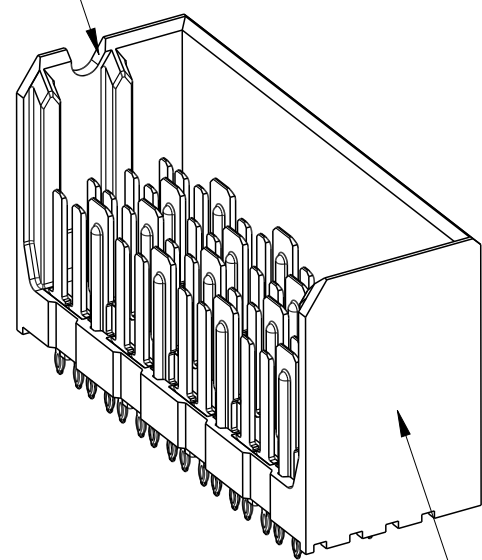
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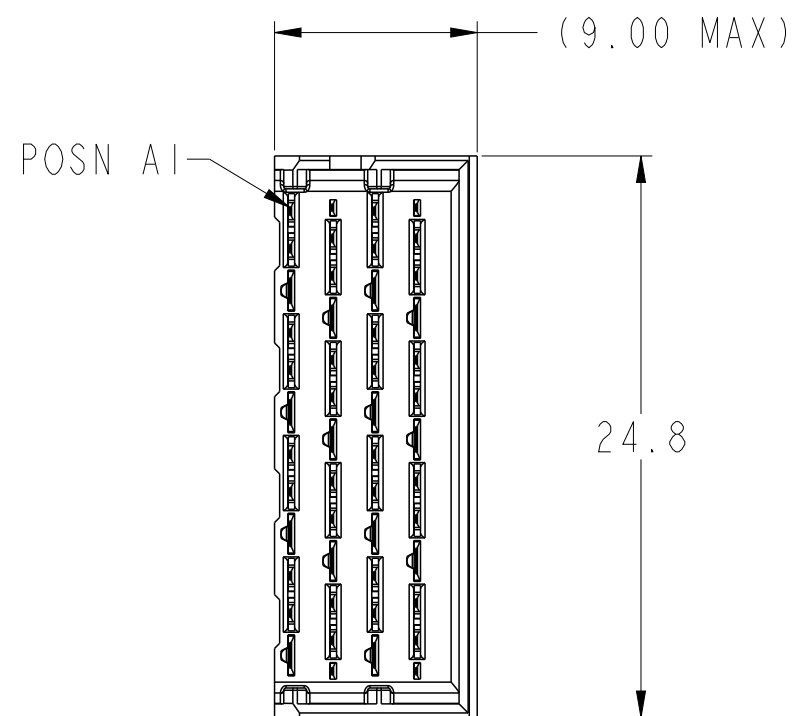
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tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Michael Song	2016/06/06			ecn no		ELX-DG-24193-1		rel level		Released					
ASME Y14.5				chr		Heaven Cen	2016/06/08					appr				Pei-Ming Zheng	2016/06/15	product family		XCede	
surface			linear	0.X	±0.2			file		MODULE ASSEMBLY				dwg no		10091836		rev		G	
			0.XX	±0.10																	
ASME Y14.5	angular		0.XXX	±0.050																	
					±0°							cat. no.		SEE P/N TREE		Product-		Customer Drw		sheet 5 of 8	

RIGHT WALL MODULE

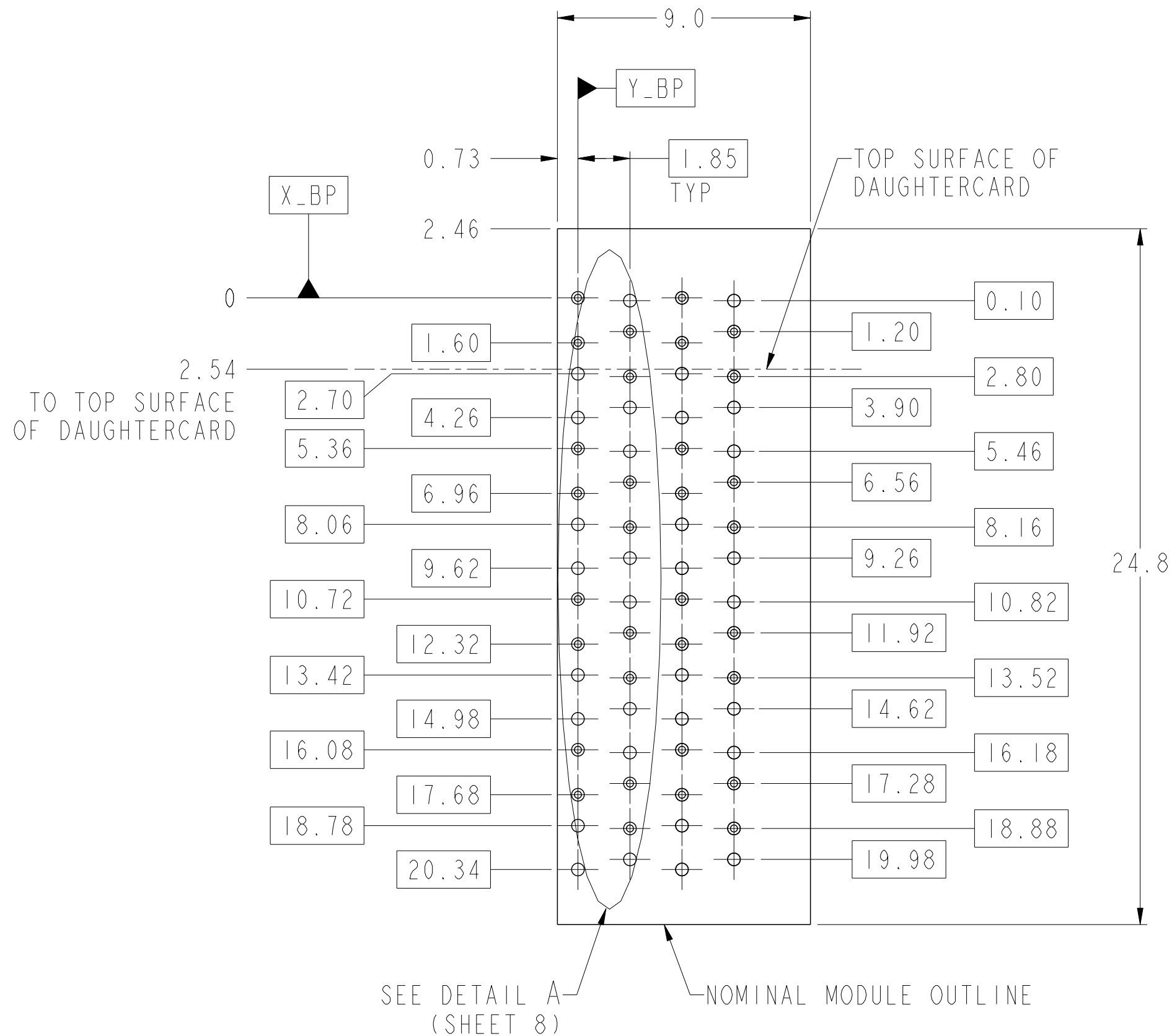
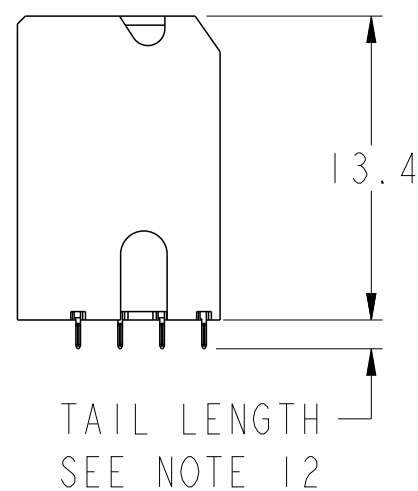
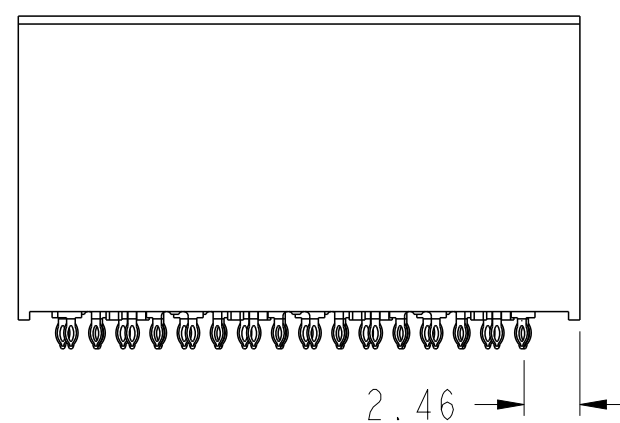
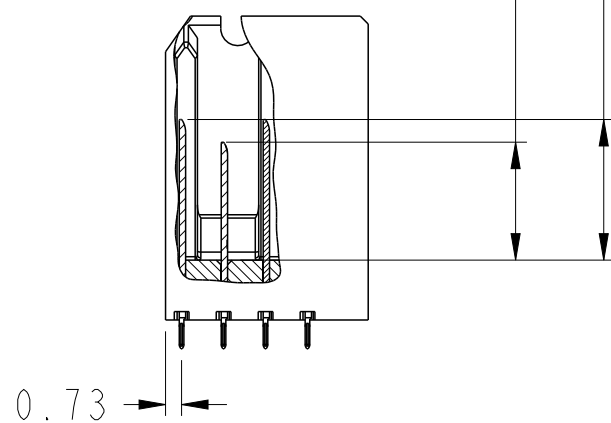
SEE NOTE 8



SEE NOTE 5



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



PCB HOLE PATTERN
COMPONENT SIDE
SCALE 6:1

spec ref		SEE NOTES		dr	Jim Swain	2010/04/13	projection 	MM 	size	A2	scale	3:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Michael Song	2016/06/06			ecn no	ELX-DG-24191-1				
ASME Y14.5				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	10091836		rev	G
			0.XX	±0.10										
ASME Y14.5			0.XXX	±0.050			VERTICAL HEADER, 4-COLUMN, 4-PAIR							
		angular	0°	±°	cat. no.		SEE P/N TREE		Product - Customer Drw			sheet 6 of 8		

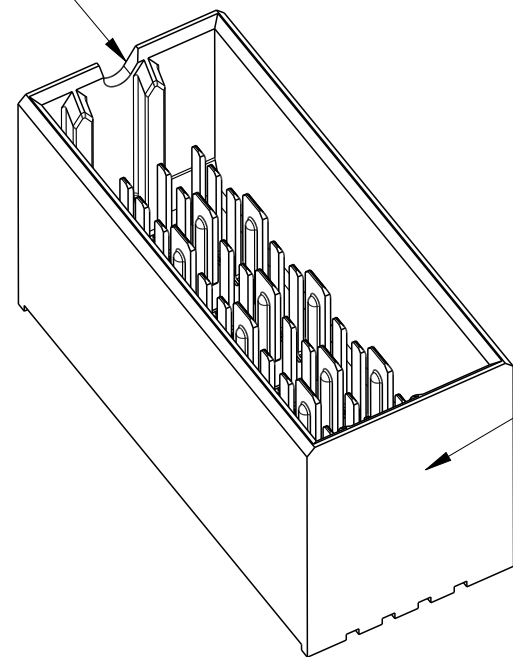
PDS: Rev :G

STATUS:Released

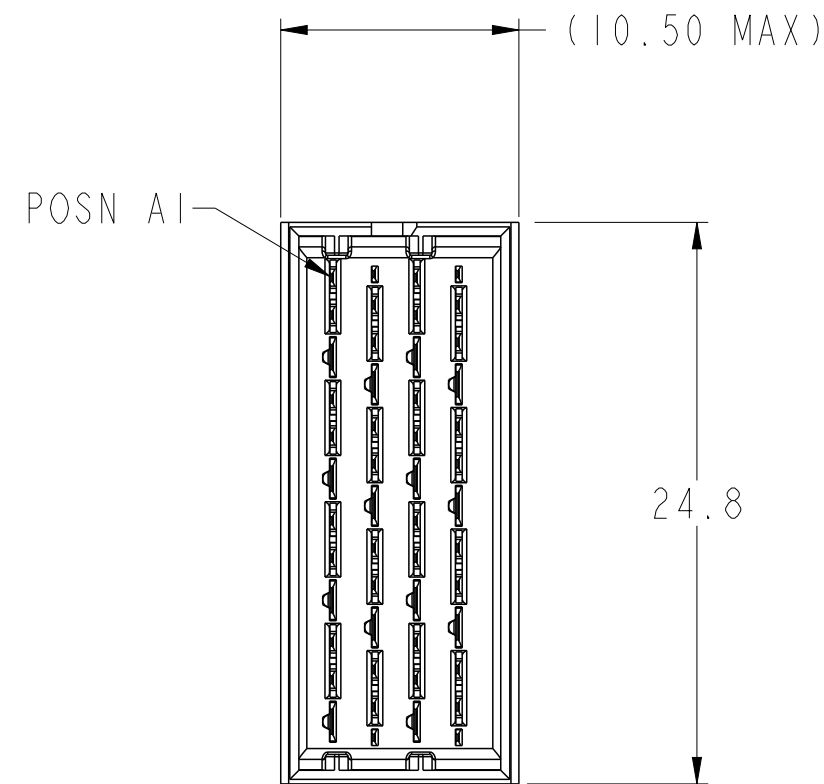
Printed: Jun 15, 2016

4-WALL MODULE

SEE NOTE 8

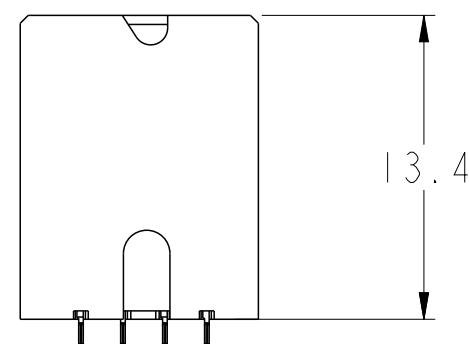
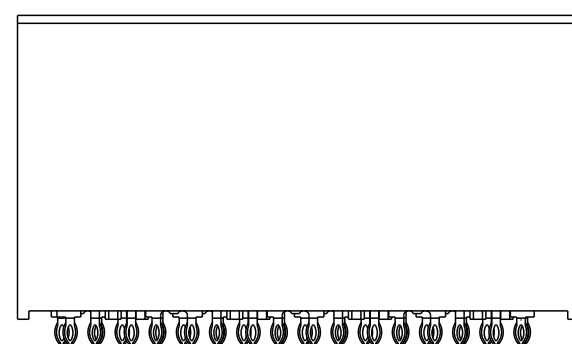
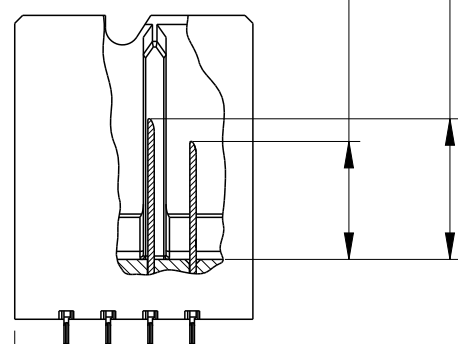


SEE NOTE 5

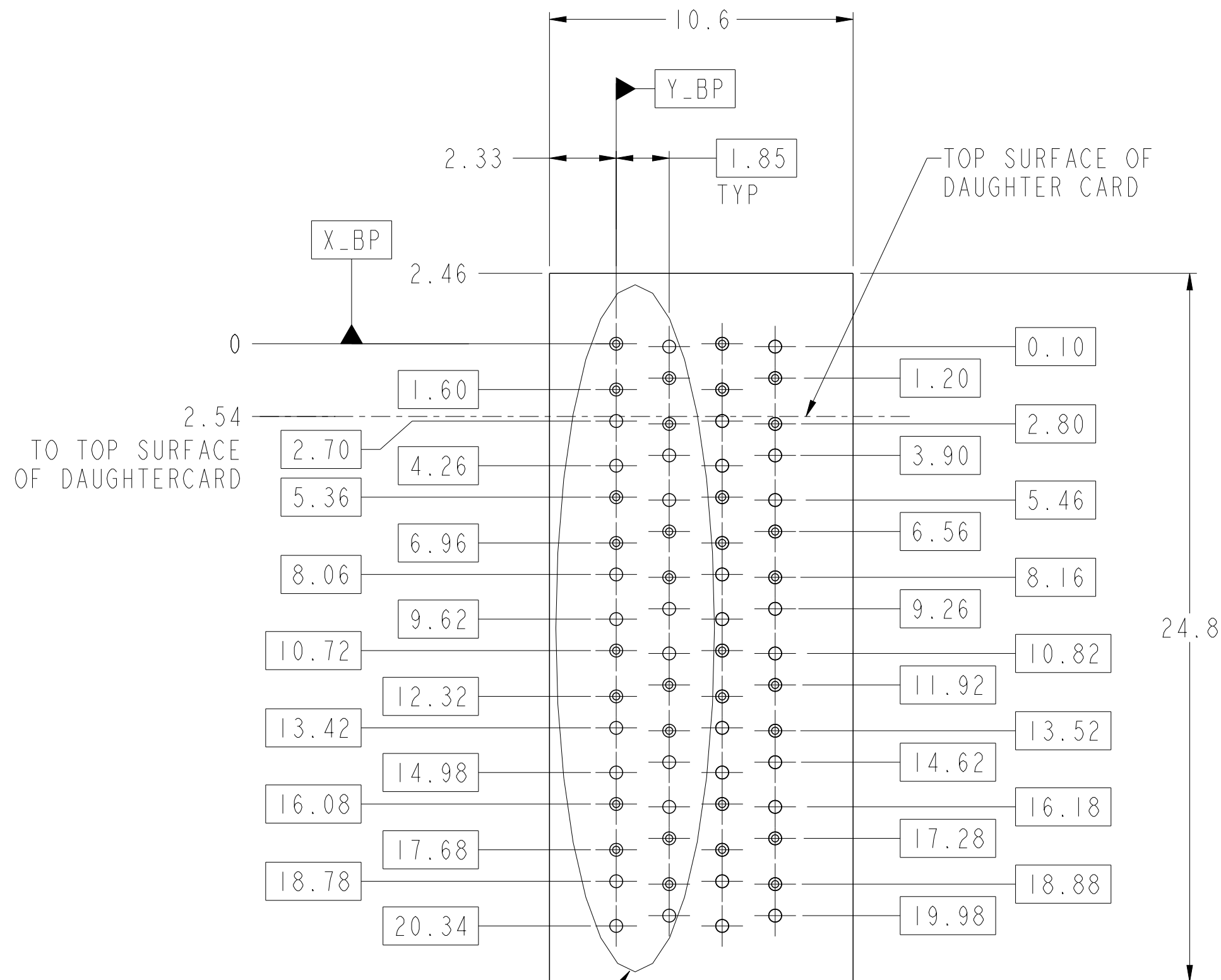


6.2 (4MM WIPE WIDE GROUNDS)
5.2 (3MM WIPE WIDE GROUNDS)

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



TAIL LENGTH
SEE NOTE 12



SEE DETAIL A
(SHEET 8)

NOMINAL MODULE OUTLINE

PCB HOLE PATTERN
COMPONENT SIDE
SCALE 6:1

spec ref	SEE NOTES	dr	Jim Swain	2010/04/13	projection	MM	size	A2	scale	4:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Michael Song	2016/06/06	chr	Heaven Cen	ecm no	ELX-DG-24191-1	rel level	Released
ASME Y14.5		appr	Pei-Ming Zheng	2016/06/15	product family	-	rel level	Released	rev	G
surface	linear	0.X	±0.2	0.XX	±0.10	0.XXX	±0.050	angular	0°	±°
ASME Y14.5		cat. no.	-	Product - Customer Drw	sheet 7 of 8					

PDS: Rev :G

STATUS:Released

Printed: Jun 15, 2016

NOTES:

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

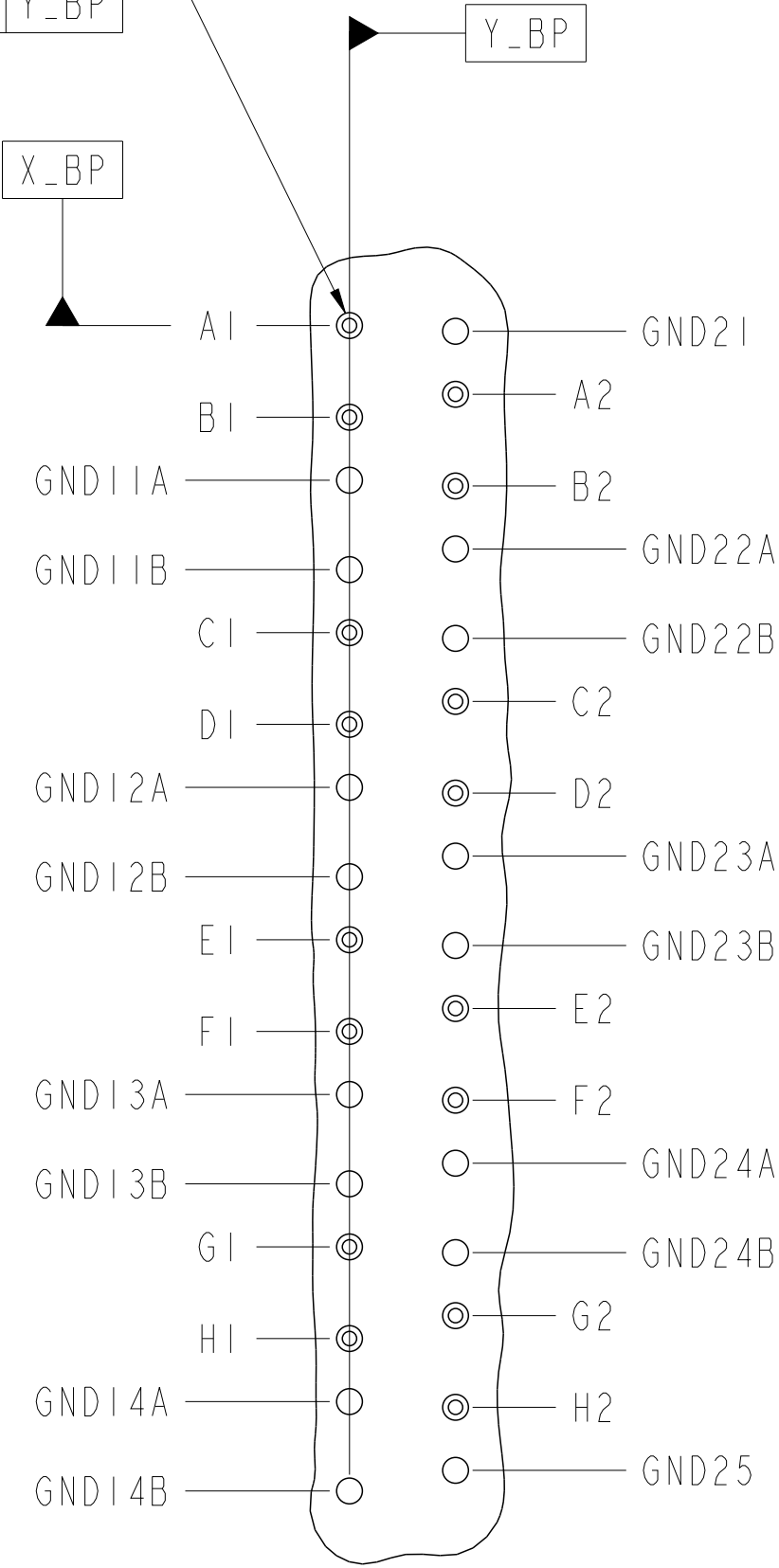
PRESS-FIT TAILS: TIN OVER NICKEL (LF), OR TIN-LEAD ALLOY OVER NICKEL (NON-LF). SEE P/N TREE.
- PRODUCT SPECIFICATION: GS-12-588
- APPLICATION SPECIFICATION: GS-20-121
- PRODUCT MARKING (PART NUMBER AND LOT CODE) ON THESE SURFACES.
- HOUSING MUST WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 40 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR-PHASE REFLOW OVEN.
- PACKAGING MEETS GS-14-920 LEAD-FREE LABELING SPECIFICATION.
- NOTCH INDICATES "ROW A" SIDE OF CONNECTOR.
- SEE APPLICATION SPECIFICATION FOR ROUTING GUIDELINES, ADDITIONAL PTH GUIDELINES, MATED DIMENSIONS, GUIDE PN SELECTION, ETC.
- SCREW IS OPTIONAL AND ENGAGES WITH BOTTOM OF GUIDE-PIN FROM BENEATH THE PCB FOR ADDITIONAL GUIDE-PIN SUPPORT.
- OPTIONAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE-PIN SUPPORT. SEE TABLE 1 ON SHEET 1 FOR ADDITIONAL DETAILS.
- 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

SEE TABLE 3
FOR PTH, DRILL & PAD SIZES

⌀	Ø0.10	X_BP	Y_BP
---	-------	------	------



DETAIL A
SCALE 8:1

spec ref		SEE NOTES			dr		Jim Swain		2010/04/13		projection		MM		size		A2		scale		4:1										
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Michael Song		2016/06/06						ecn no		ELX-DG-24191-1														
ASME Y14.5					chr		Heaven Cen		2016/06/08						rel level		Released														
					appr		Pei-Ming Zheng		2016/06/15						product family																
surface		-		linear		0.X		±0.2		Amphenol FCI		title		MODULE ASSEMBLY VERTICAL HEADER, 4-COLUMN, 4-PAIR										dwg no		10091836		rev		G	
				0.XX		±0.10																									
				0.XXX		±0.050																									
ASME Y14.5				angular		0°		±°				cat. no.		-		Product - Customer Drw										sheet 8 of 8					

Mouser Electronics

Authorized Distributor

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

FCI / Amphenol:

[10091836-00J-10B](#) [10091836-00J-10DLF](#) [10091836-00J-20B](#) [10091836-00J-20DLF](#) [10091836-00J-30B](#) [10091836-00J-30DLF](#) [10091836-00J-40B](#) [10091836-00J-40DLF](#) [10091836-00J-50B](#) [10091836-00J-50DLF](#) [10091836-00J-60B](#) [10091836-00J-60DLF](#) [10091836-00J-70B](#) [10091836-00J-70DLF](#) [10091836-00J-80B](#) [10091836-00J-80DLF](#)
[10091836-10J-10B](#) [10091836-10J-10DLF](#) [10091836-10J-20B](#) [10091836-10J-20DLF](#) [10091836-10J-30B](#) [10091836-10J-30DLF](#) [10091836-10J-40B](#) [10091836-10J-40DLF](#) [10091836-10J-50B](#) [10091836-10J-50DLF](#) [10091836-10J-60B](#) [10091836-10J-60DLF](#) [10091836-10J-70B](#) [10091836-10J-70DLF](#) [10091836-10J-80B](#) [10091836-10J-80DLF](#)
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