

A

B

C

D

E

F

1 0 0 9 | 8 3 6 - X 0 J - X X X L F

4-COLUMN
DIFFERENTIAL
SIGNAL

LEAD-FREE DESIGNATION
ONLY WITH APPLICABLE
PLATING CODES

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									

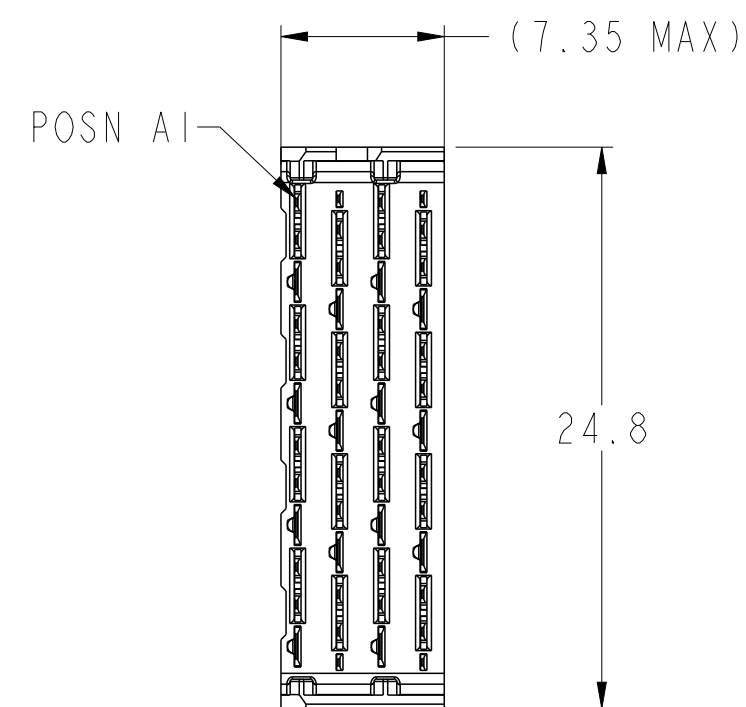
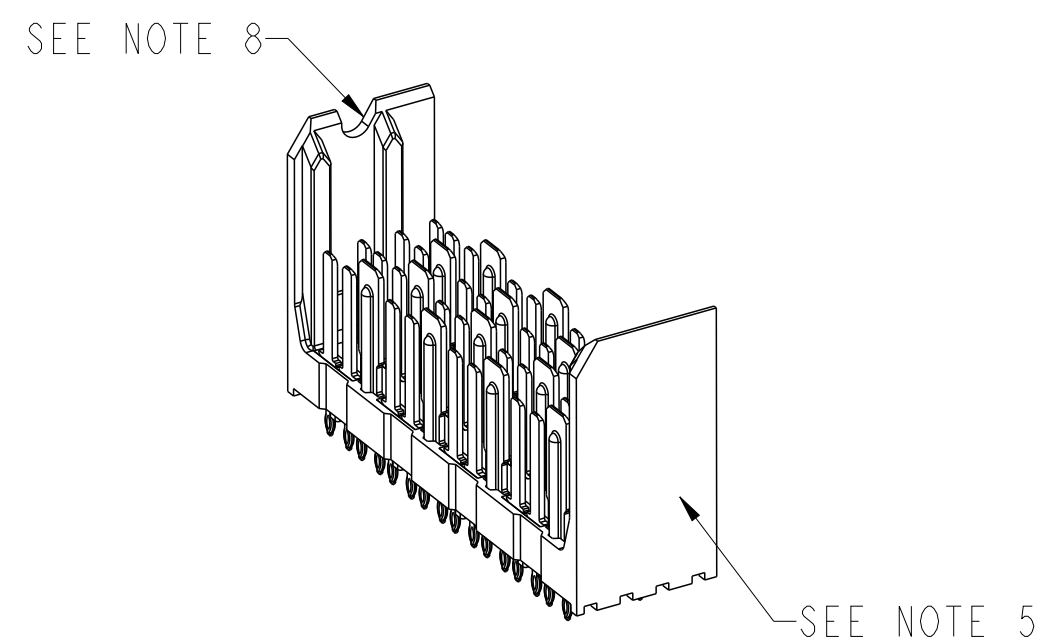
NUMBER	CONTACT MATING WIPE LENGTH		COMPLIANT PIN DRILL SIZE
	SIGNAL	WIDE GROUND	
1	2	4	Ø0.55 [0.0217"]
2	3	4	Ø0.55 [0.0217"]
3	2	4	Ø0.45 [0.0177"]
4	3	4	Ø0.45 [0.0177"]
5	2	3	Ø0.55 [0.0217"]
6	3	3	Ø0.55 [0.0217"]
7	2	3	Ø0.45 [0.0177"]
8	3	3	Ø0.45 [0.0177"]

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

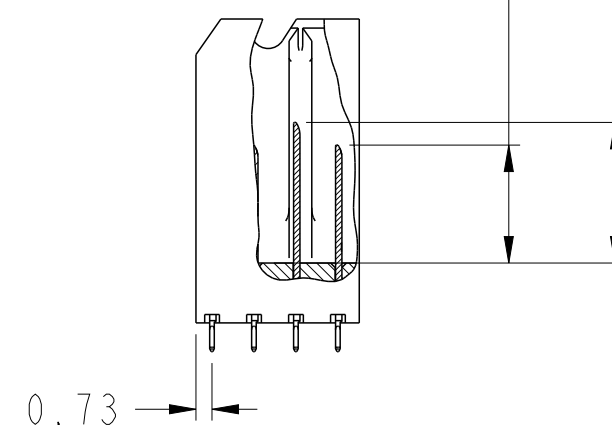
TABLE 2: OPTIONAL SCREW TYPE (SEE NOTE 10)		
SCREW P/N	DESCRIPTION	BOARD THICKNESS
10091790-002LF	#2-56 X .375" PHILLIPS PANHEAD W/SQ CONICAL WASHER	1.60 - 5.00
10091790-003LF	#2-56 X .500" PHILLIPS PANHEAD W/SQ CONICAL WASHER	5.00 - 10.00

spec ref		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						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		dwg no		10091836		rev		G		
		0.XX		±0.10																		
		0.XXX		±0.050																		
ASME Y14.5		angular 0°		±°						cat. no.		-		Product - Customer Drw		sheet 1 of 8						

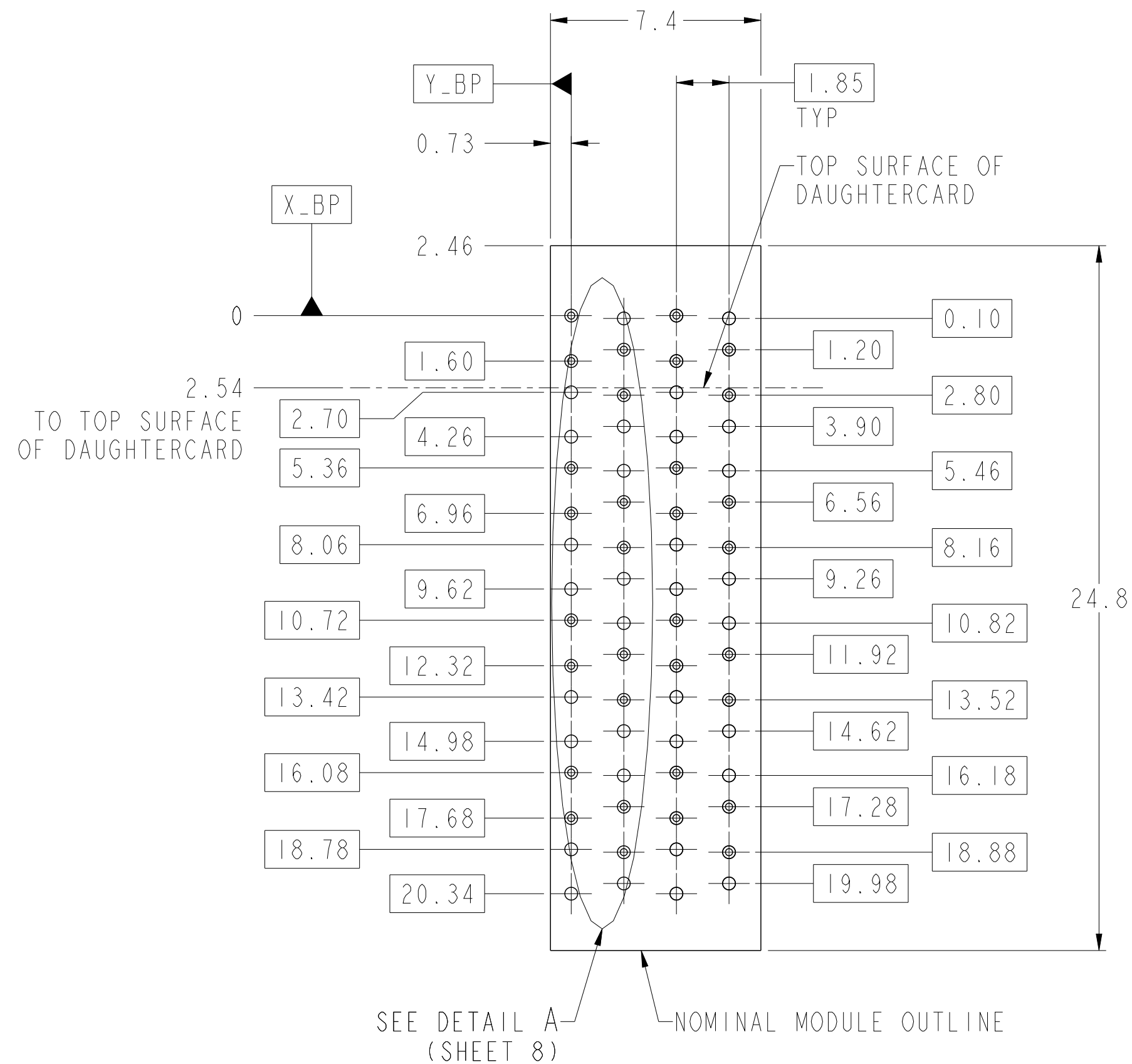
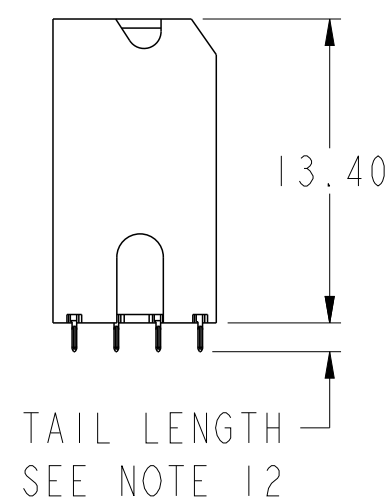
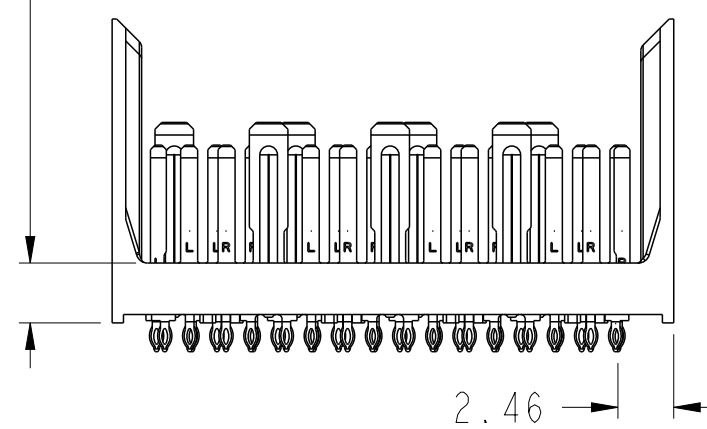
OPEN (2-WALL) MODULE



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



2.64±0.10 FROM STANDOFF
SURFACE TO MATING SURFACE



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	2010/06/06					ecn no	ELX-DG-24193-1		
ASME Y14.5			chr	Heaven Cen	2010/06/06	rel level	Released						
			appr	Pei-Ming Zheng	2010/06/15	product family			-				
surface	linear	0.X	±0.2	Amphenol FCI	title	MODULE ASSEMBLY				dwg no	10091836	rev	G
		0.XXX	±0.10										
ASME Y14.5	angular	0°	±0.050			cat. no.	-	Product - Customer Drw				sheet 2 of 8	

A technical line drawing of a mechanical assembly. It features a base plate with a complex, stepped profile. On top of the base is a rectangular block. A tall, conical part is mounted on the block. To the left of the conical part is a shorter cylindrical part. On the right side of the rectangular block, there is a series of vertical, rectangular protrusions. An arrow points from the bottom right towards the base plate.

Technical drawing of a component, likely a connector or probe, showing a side view. The drawing includes the following dimensions and labels:

- 13.4**: Dimension indicating the height of the component from the base to the top of the main body.
- 2.46**: Dimension indicating the width of the component at the base.
- DIM 'S'**: Dimension indicating the height of the component from the base to the top of the main body, labeled as DIM 'S'.
- GUIDE PIN**: Label pointing to the central vertical pin.
- OPTIONAL KEYING PIN (SEE P/N TREE)**: Label pointing to the vertical pin on the right side.
- SEE NO**: Label pointing to the right side of the component.
- L L R L L R L L R L L R**: Labels indicating the orientation of the component, likely for left and right sides.

Technical drawing of a tail fin assembly. The drawing shows a side view of a fin with a central vertical section and a horizontal base. A dimension line labeled "DIM 'R'" indicates the height of the central section. A dimension line labeled "TAIL LENGTH" indicates the length of the base. A label "E 8" points to a small circular feature on the side of the fin. A label "SEE NOTE 12" is located below the base. A table with four rows and two columns is partially visible on the right side of the drawing.

S	
t	
A	
S	

Figure 1: PCB Hole Pattern Component Side. This technical drawing shows the component side of a PCB hole pattern. Key dimensions and features include:

- Overall Dimensions:** Total width is 13.7, and total height is 24.8.
- Central Hole:** A circular hole with a diameter of $\varnothing 2.55$ is located at the center.
- Hole Grid:** The pattern consists of a grid of holes. Horizontal dimensions from the center line to the hole centers are 4.44, 7.10, and 1.85 (typical). Vertical dimensions from the top edge to the hole centers are 0.10, 1.20, 2.80, 3.90, 5.46, 6.56, 8.16, 9.26, 10.82, 11.92, 13.52, 14.62, 16.18, 17.28, 18.88, and 19.98.
- Module Outline:** A dashed line indicates the nominal module outline.
- Coordinate System:** A coordinate system is defined with X_BP and Y_BP at the top left corner.
- Notes:**
 - SEE DETAIL A (SHEET 8)
 - PCB HOLE PATTERN COMPONENT SIDE SCALE 6:1

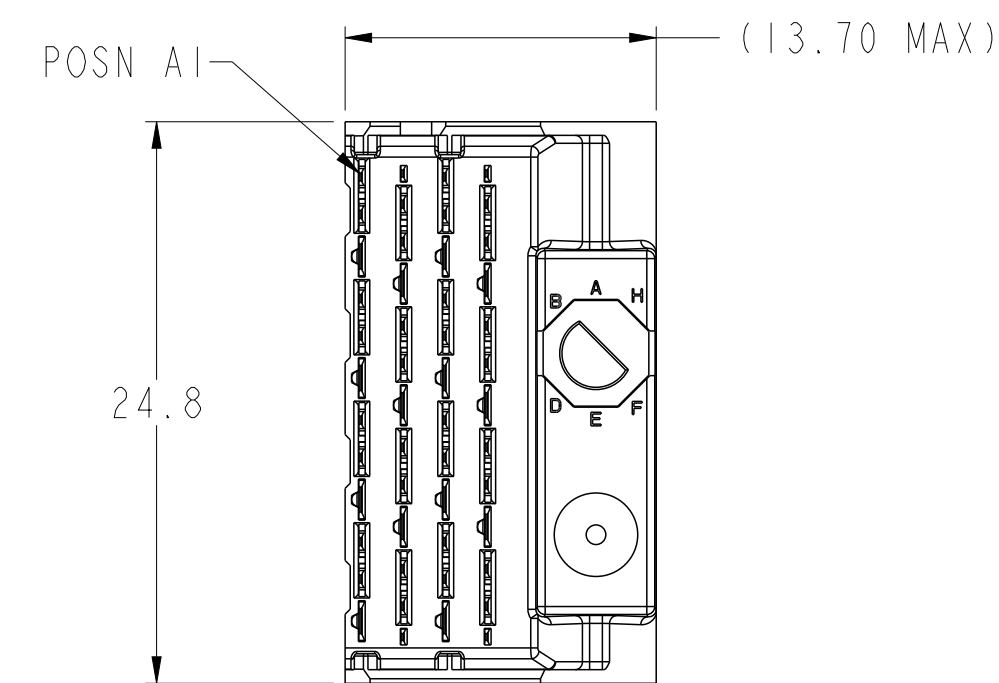
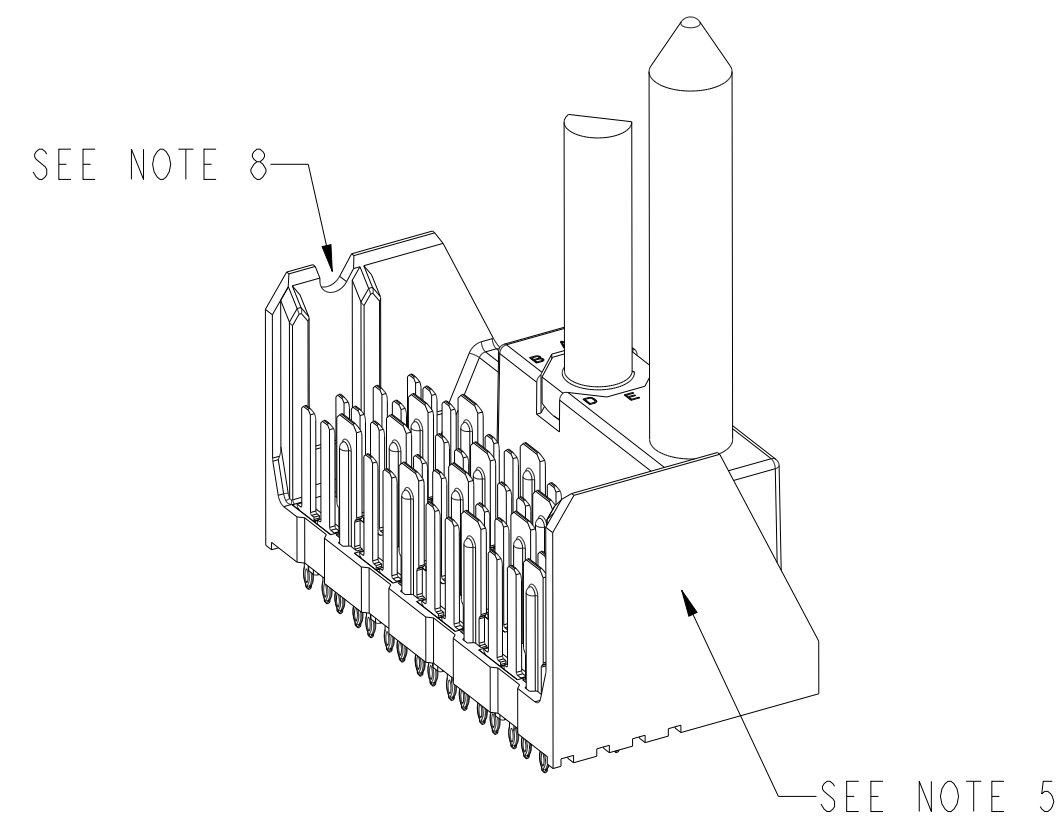
PCB HOLE PATTERN
COMPONENT SIDE
SCALE 6:1

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

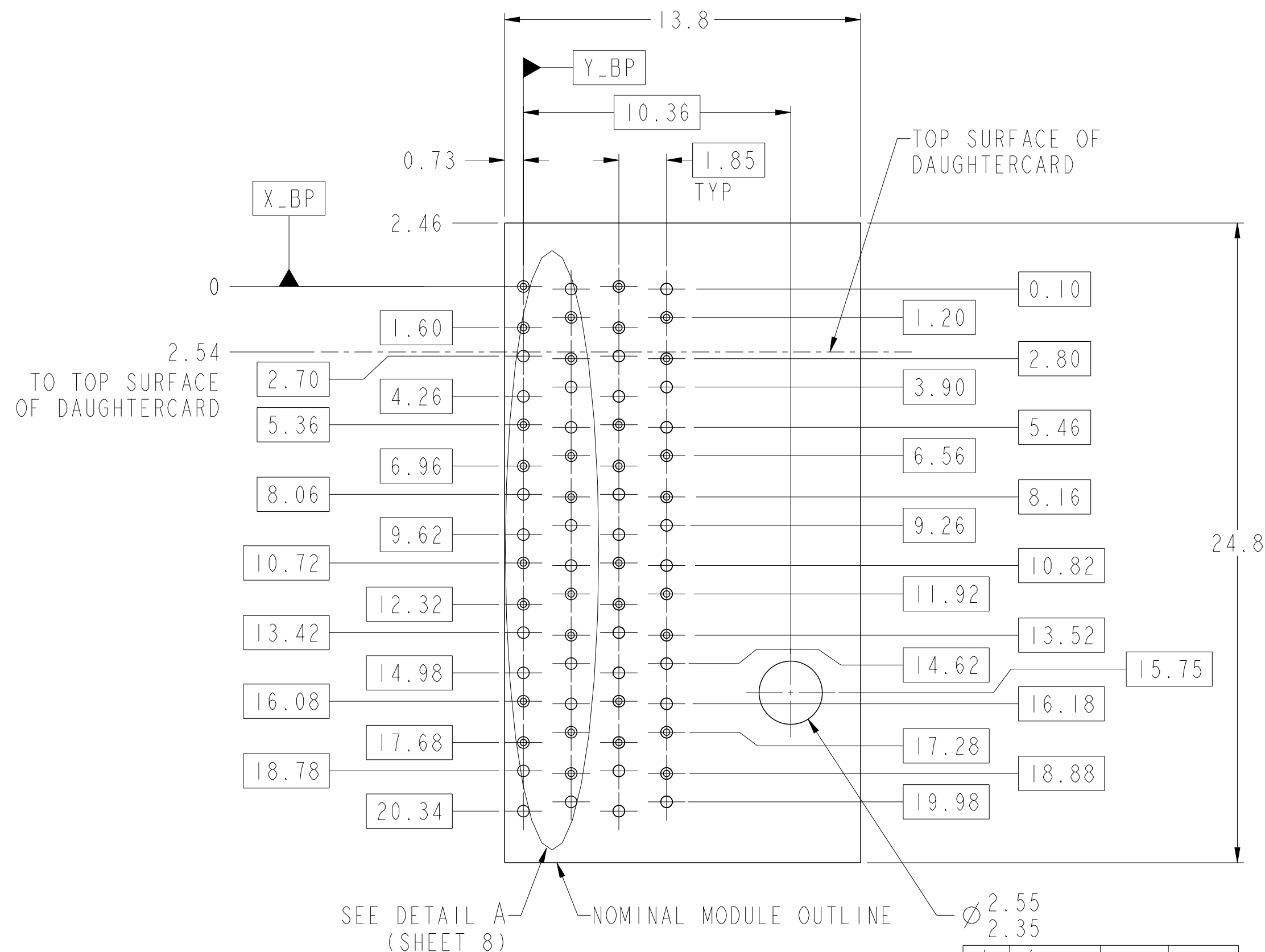
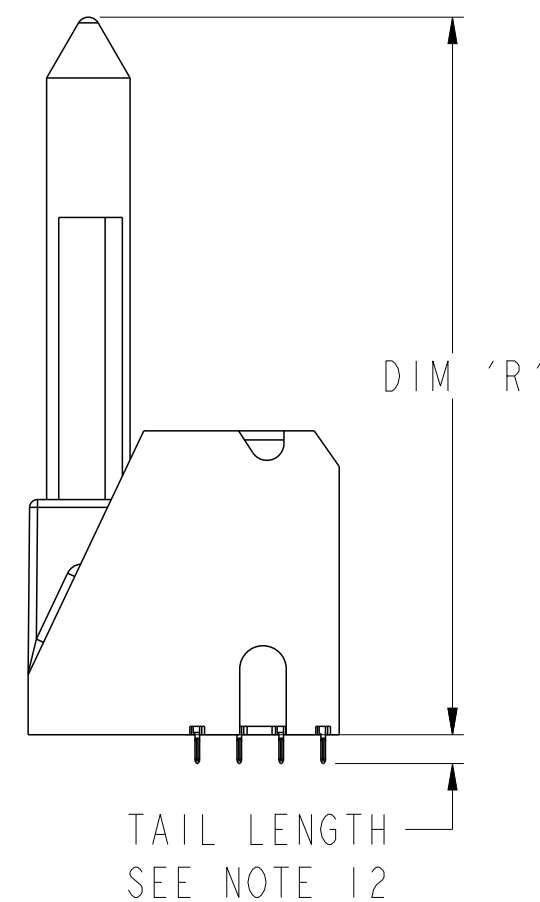
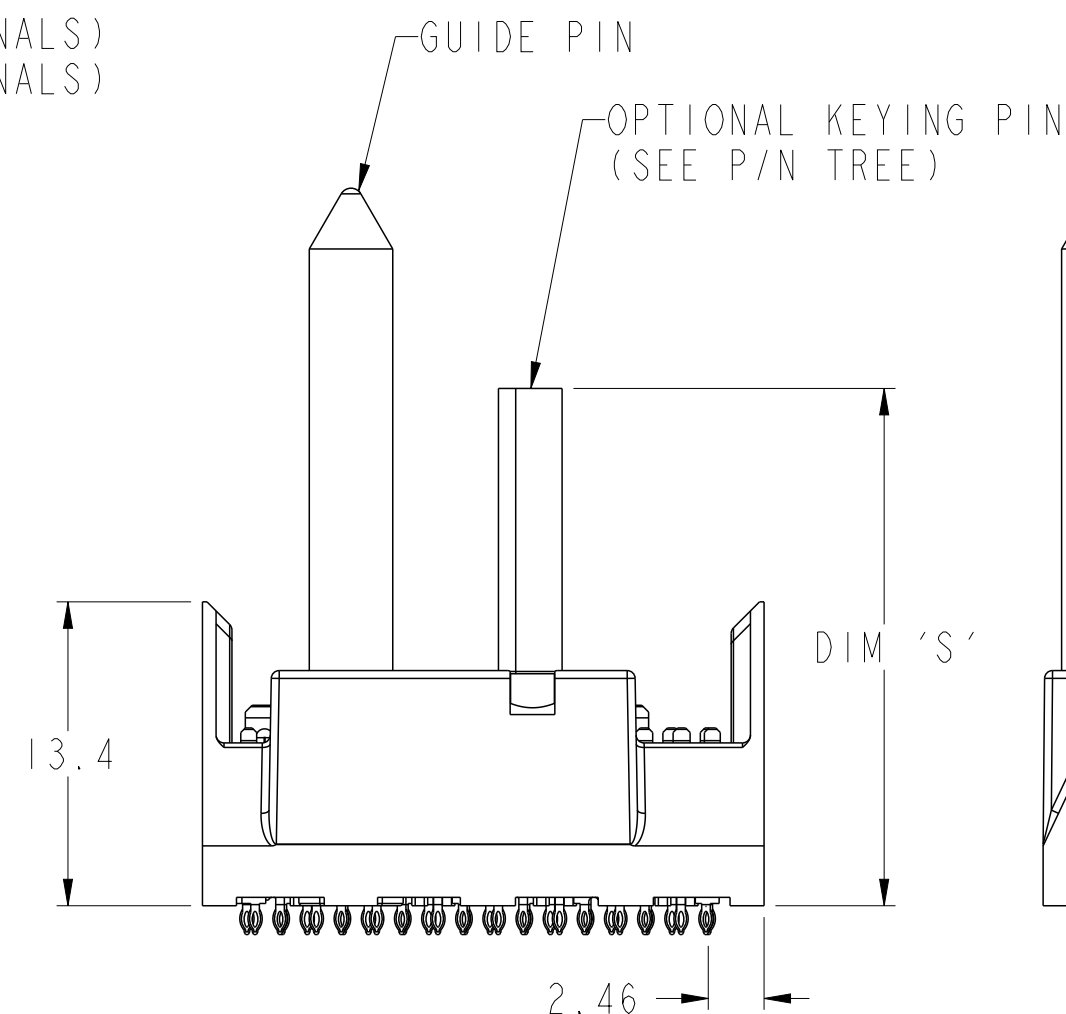
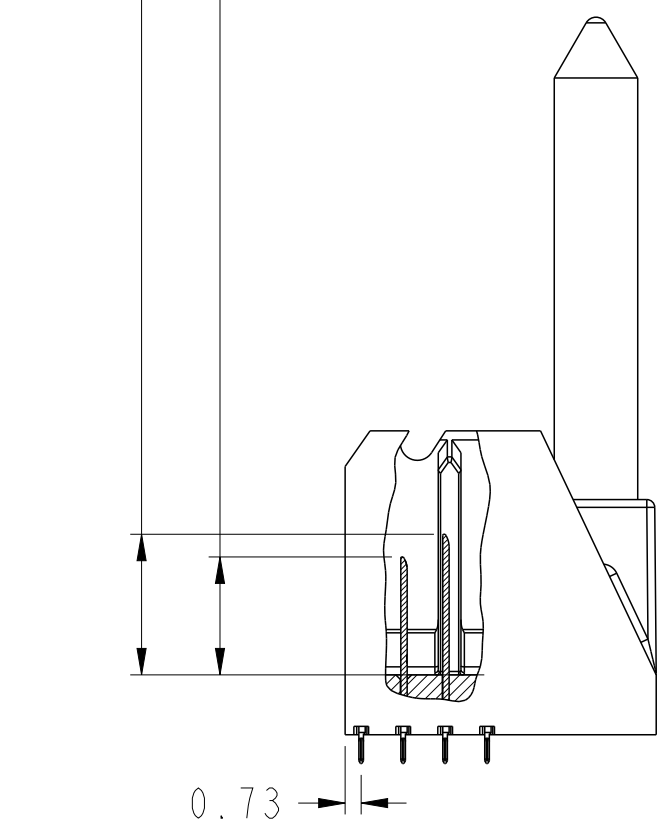
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tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Michael Song		2010/06/06						ecn no		ELX-DG-24191-1			
ASME Y14.5				chr Heaven Cen		2010/06/08						rel level		Released			
				appr Pei-Ming Zheng		2010/06/15		product family		XCede							
surface		linear		Amphenol FCI		title		MODULE ASSEMBLY		dwg no		10091836		rev G			
																0.X ±0.2	
ASME Y14.5		0.XXX ±0.050														0° ±0.050	

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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

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	product family	XCede		rel level	Released			
		appr	Pei-Ming Zheng	2016/06/15									
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			

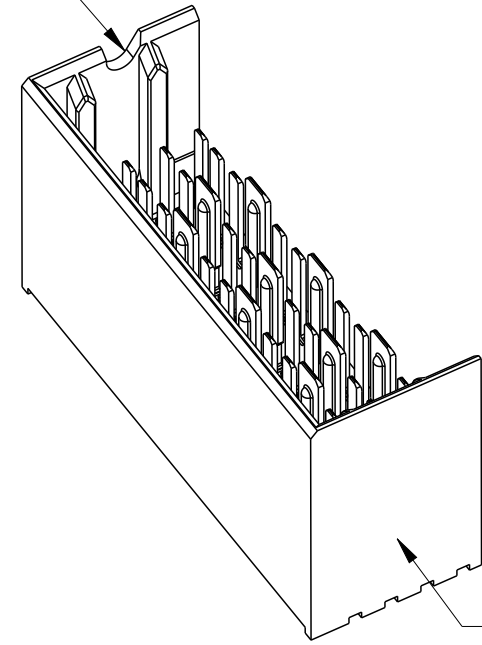
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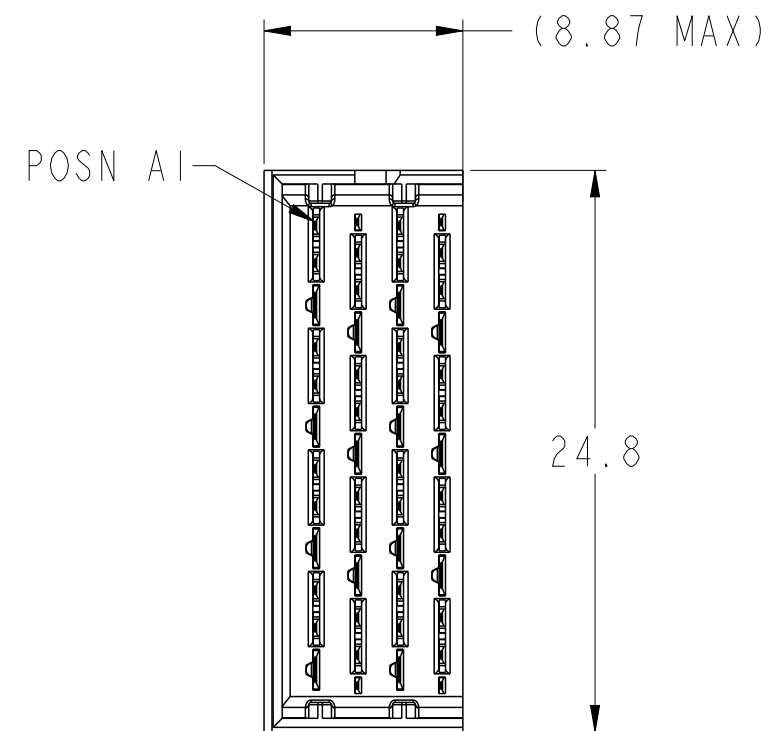
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LEFT WALL MODULE

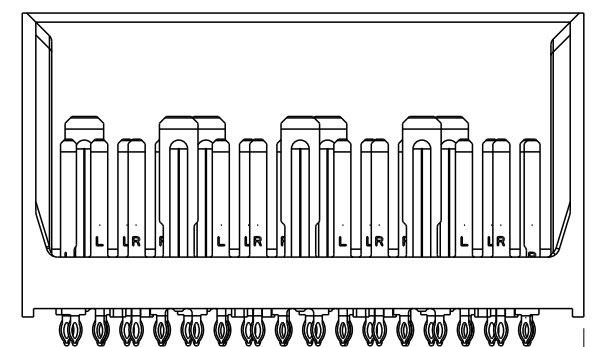
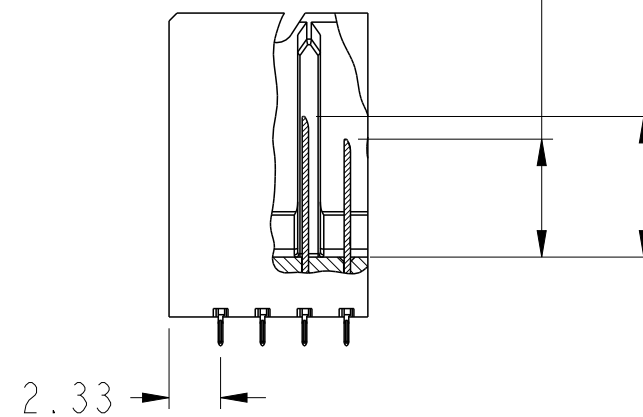
SEE NOTE 8



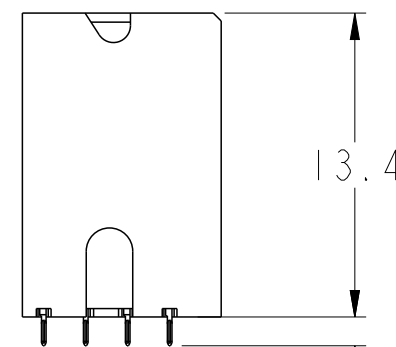
SEE NOTE 5



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

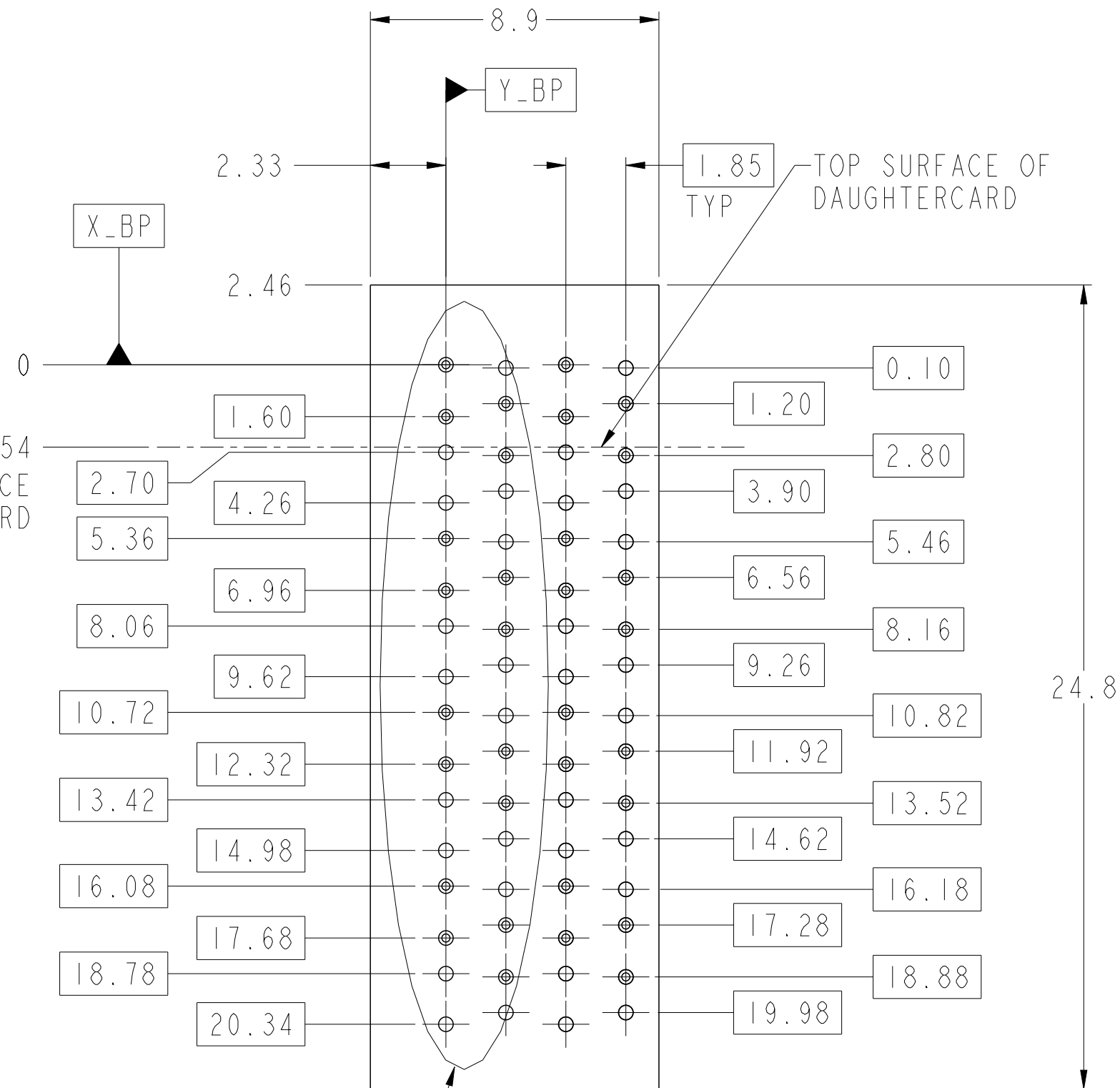


2.46



TAIL LENGTH
SEE NOTE 12

TO TOP SURFACE
OF DAUGHTERCARD



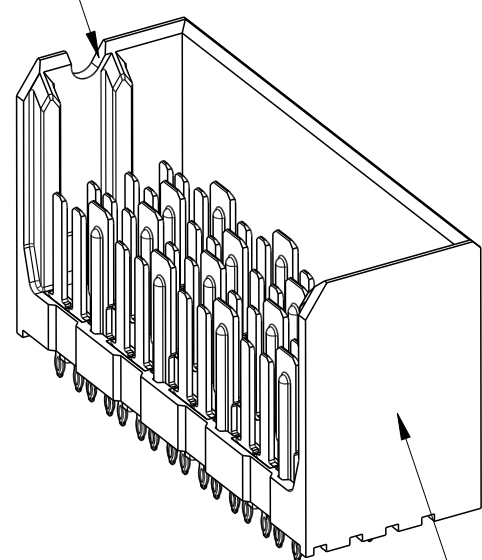
SEE DETAIL A
(SHEET 8)

PCB HOLE PATTERN
COMPONENT SIDE
SCALE 6:1

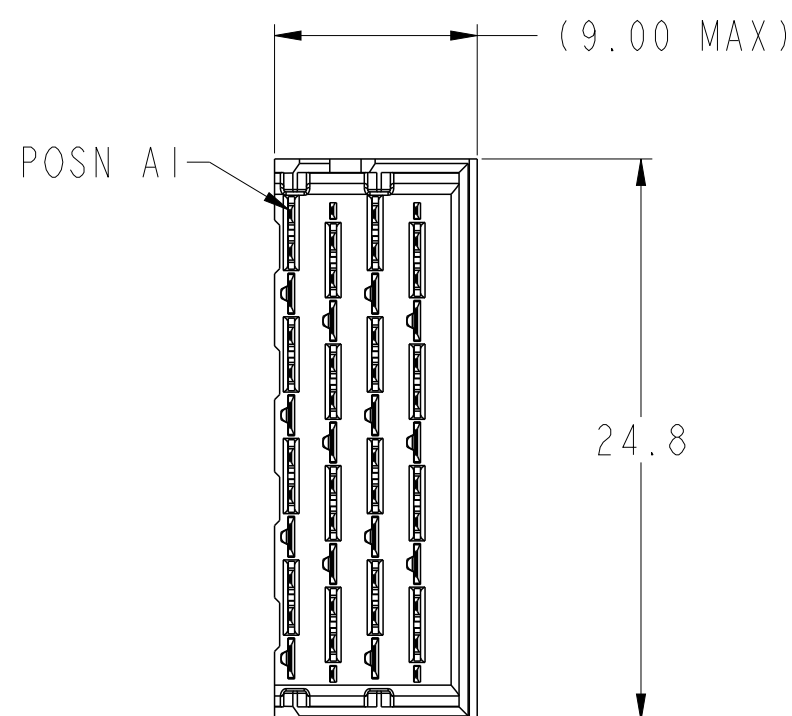
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ASME Y14.5				chr		Heaven Cen		2016/06/08								rel level		Released			
		appr		Pei-Ming Zheng		2016/06/15		product family								XCede					
surface		linear		0.X		±0.2				title		MODULE ASSEMBLY		dwg no		10091836		rev		G	
		0.XX		±0.10																	
		0.XXX		±0.050																	
ASME Y14.5		angular		0°		±°															

RIGHT WALL MODULE

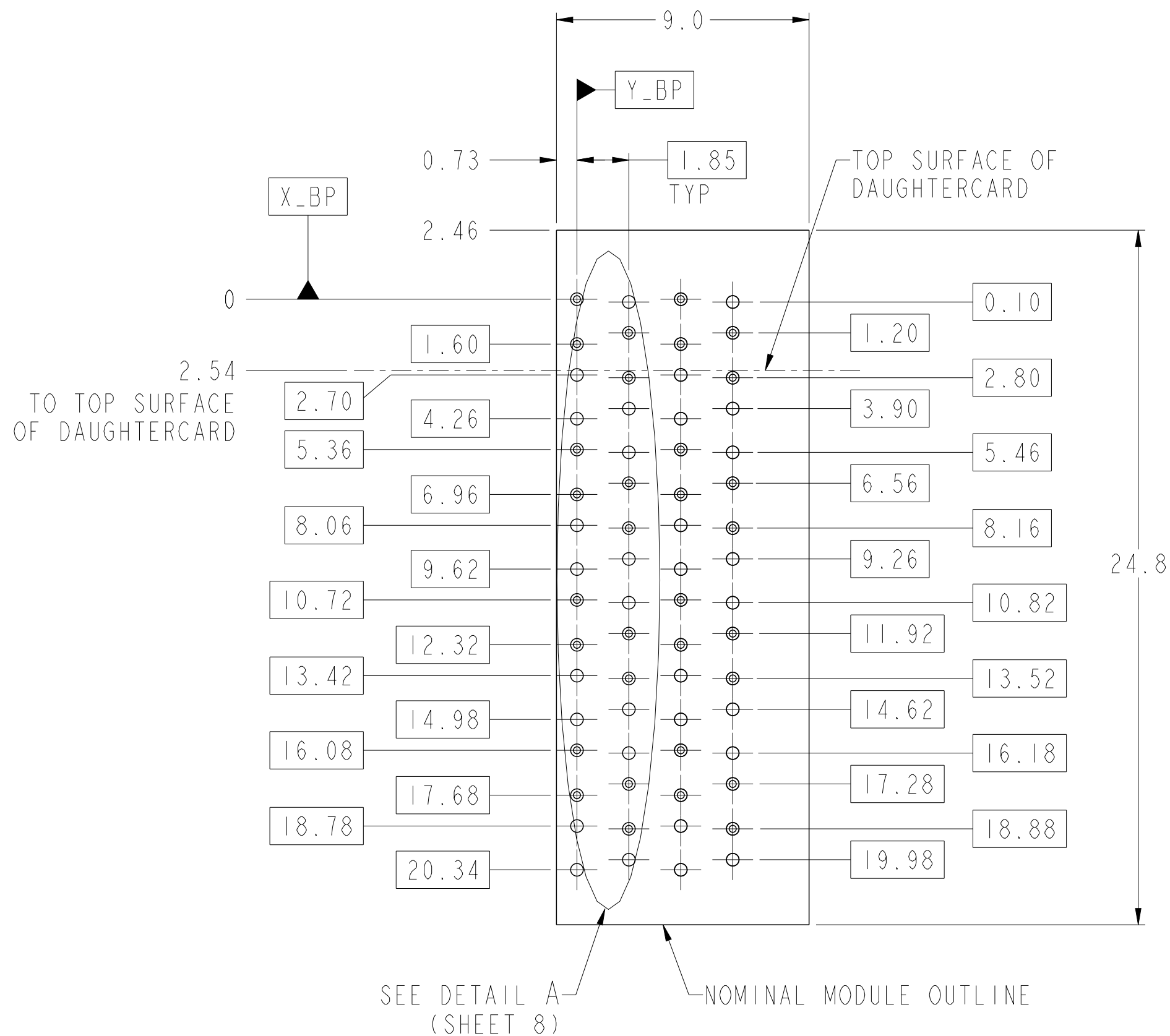
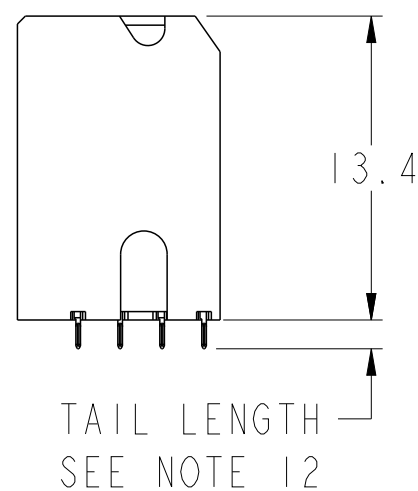
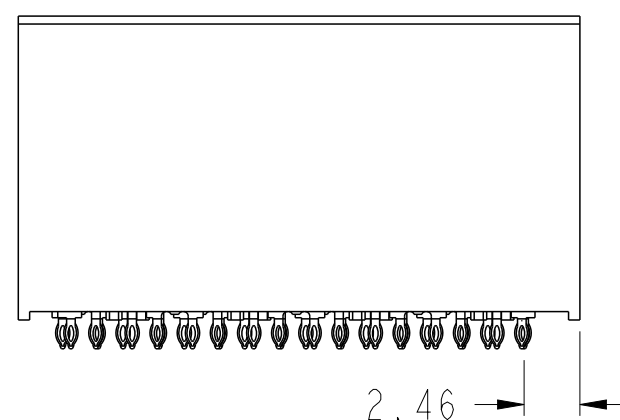
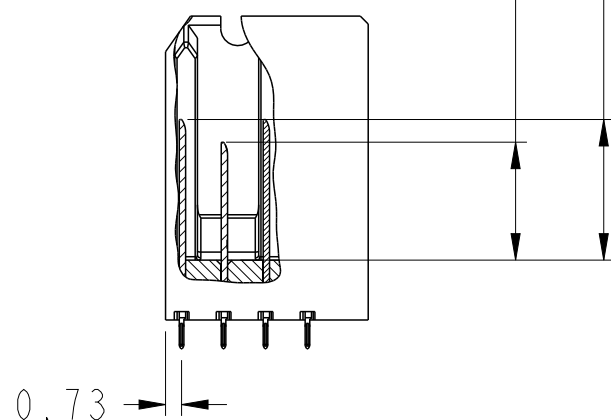
SEE NOTE 8



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



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		MM	ecn no	ELX-DG-24191-1		
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surface	linear	appr	Pei-Ming Zheng	2016/06/15	product family	XCede		rel level	Released	
ASME Y14.5	angular	0°	±0°		cat. no.	SEE P/N TREE		Product - Customer Drw	sheet 6 of 8	
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		linear	0.XX	±0.10					G	
		linear	0.XXX	±0.050						
		angular	0°	±0°						

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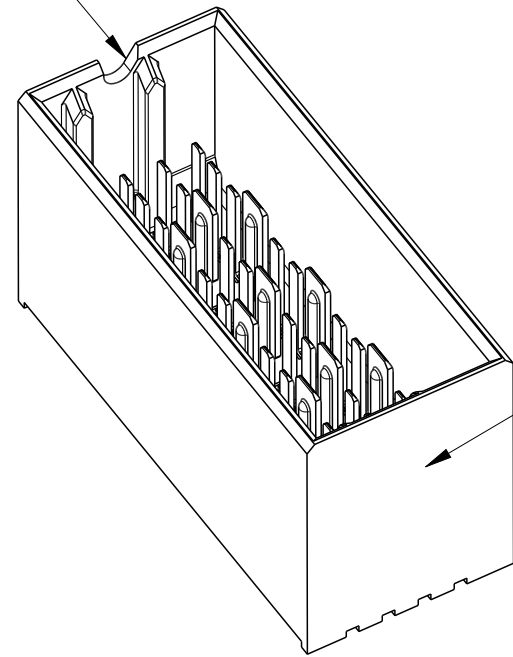
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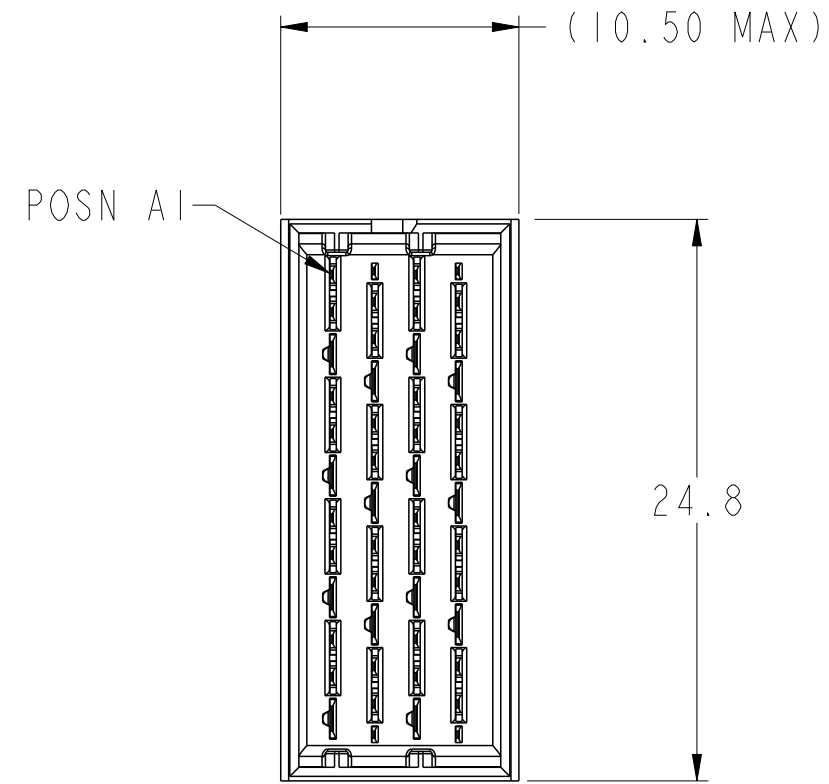
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4-WALL MODULE

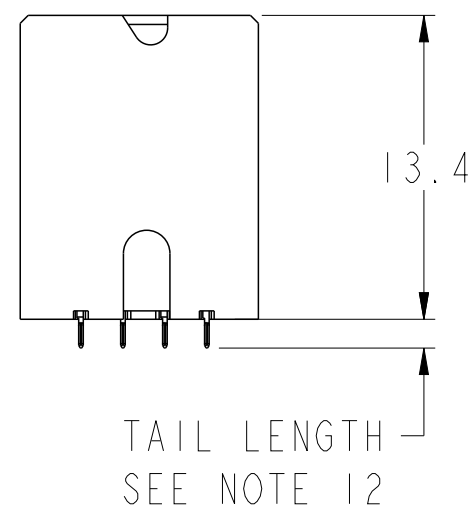
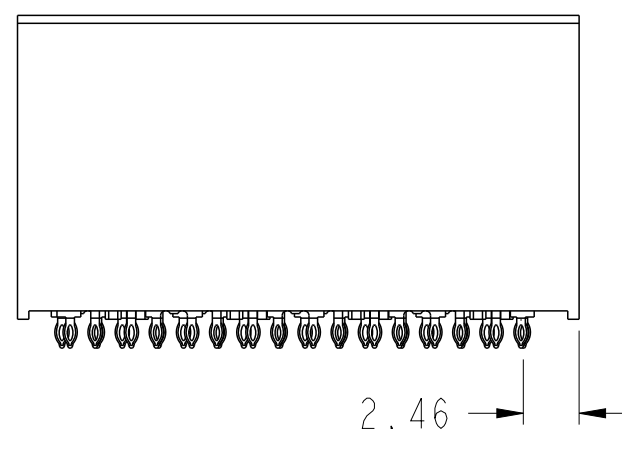
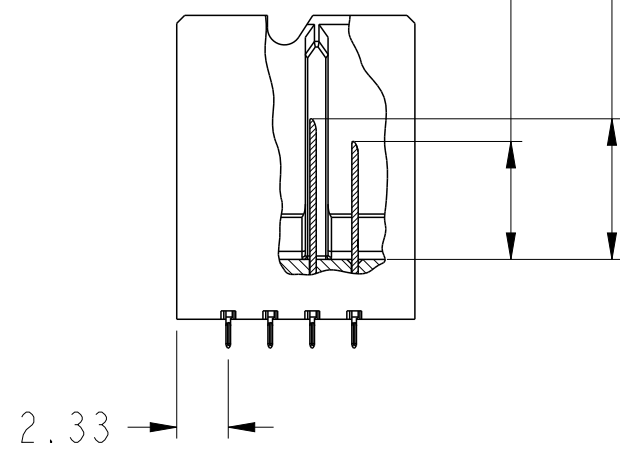
SEE NOTE 8



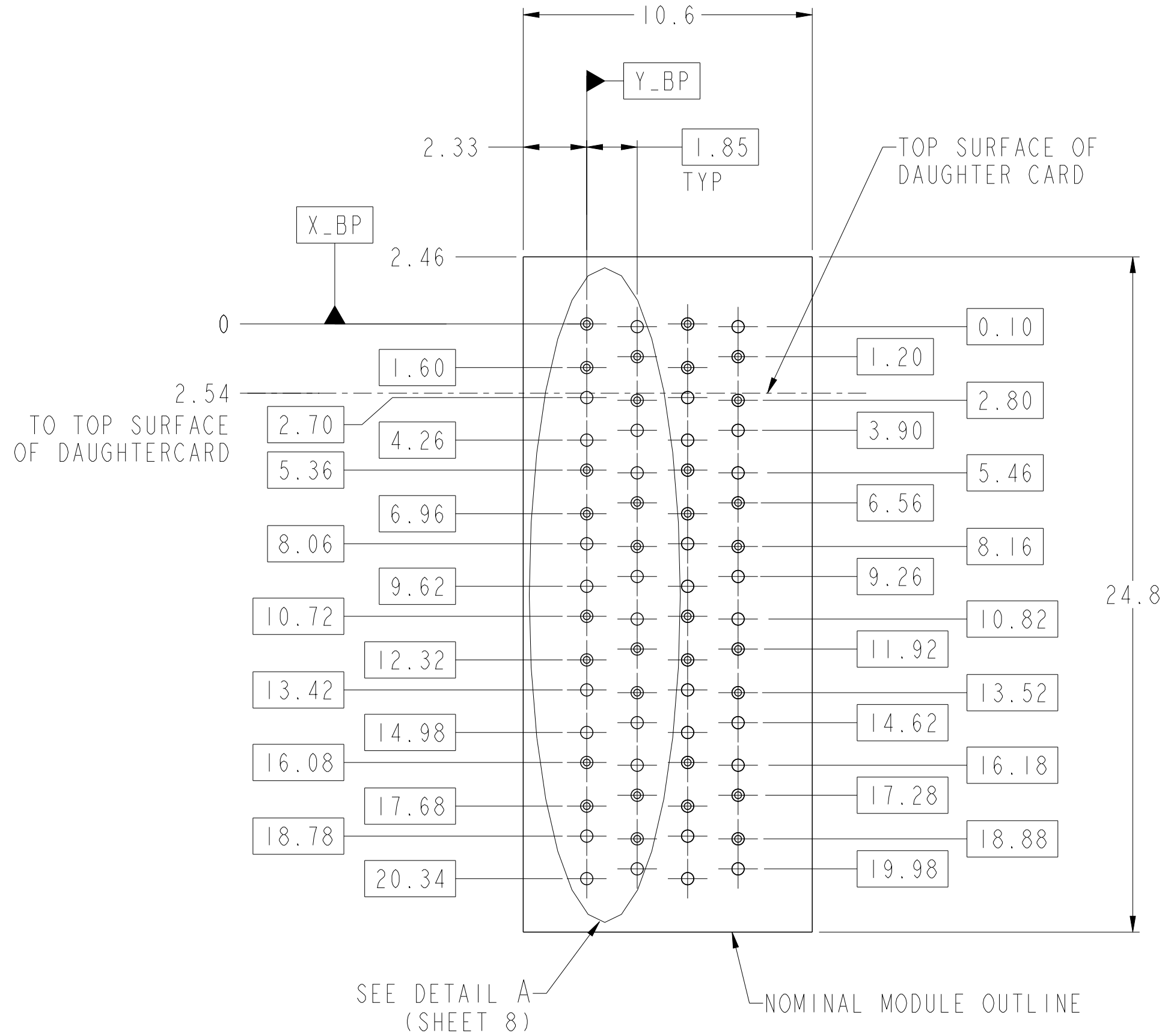
SEE NOTE 5



6.2 (4MM WIPE WIDE GROUNDS)
5.2 (3MM WIPE WIDE GROUNDS)
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SEE P/N TREE



TAIL LENGTH
SEE NOTE 12



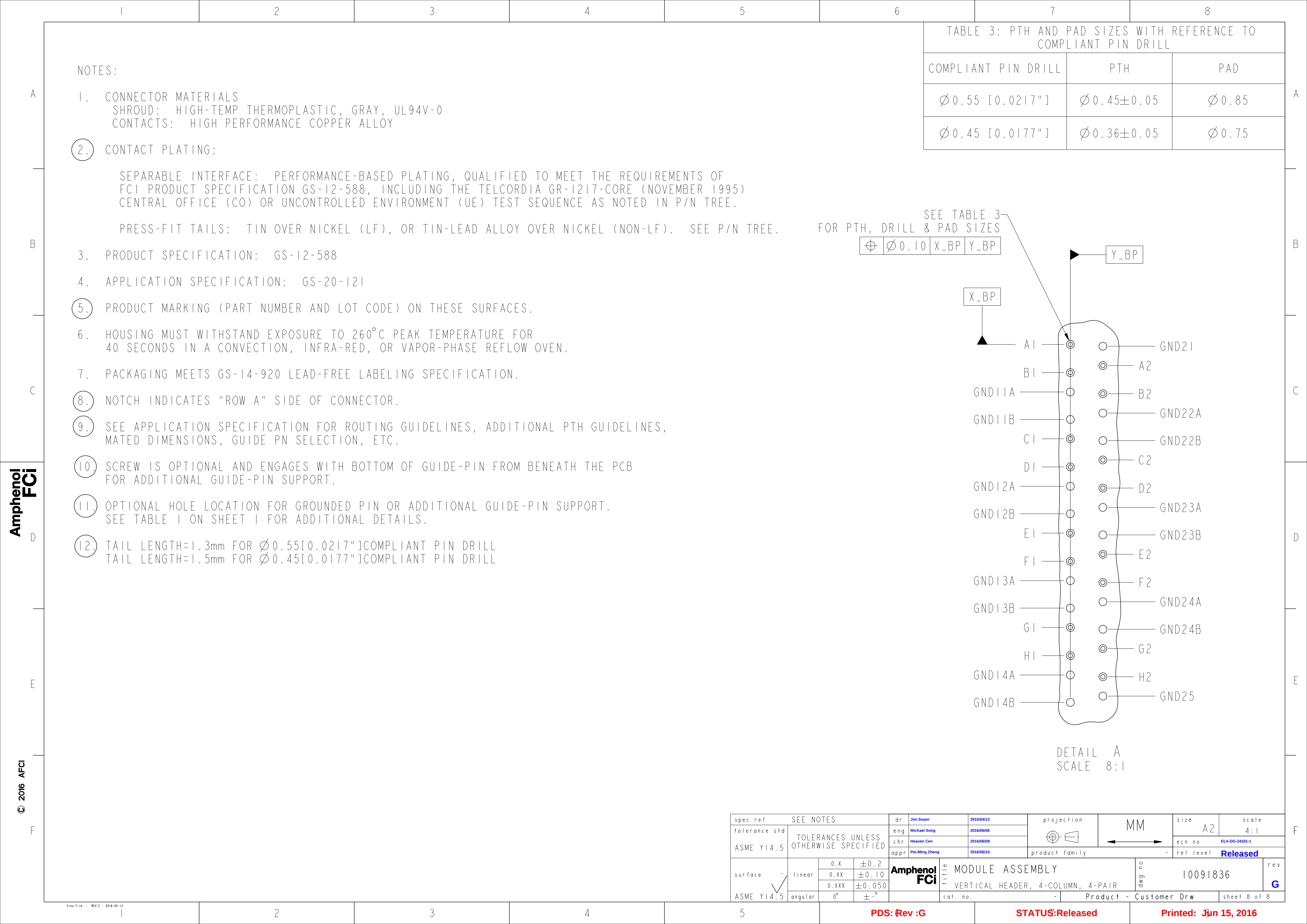
PCB HOLE PATTERN
COMPONENT SIDE
SCALE 6:1

spec ref	SEE NOTES	dr	Jim Swain	2010/04/13	projection	MM	size	A2	scale	4:1
tolerance std	ASME Y14.5	eng	Michael Song	2016/06/06	chr	Heaven Cen	2016/06/08	ecn no	ELX-DG-24191-1	
surface	ASME Y14.5	appr	Pei-Ming Zheng	2016/06/15	product family	-	rel level	Released		
linear	0.X ±0.2 0.XX ±0.10 0.XXX ±0.050	Amphenol FCI	MODULE ASSEMBLY VERTICAL HEADER, 4-COLUMN, 4-PAIR	cat. no.	-	Product - Customer Drw	sheet 7 of 8	rev	G	
angular	0° ±°									

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[10091836-00J-10B](#) [10091836-00J-20B](#) [10091836-00J-30B](#) [10091836-00J-40B](#) [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-20B](#) [10091836-10J-30B](#) [10091836-10J-40B](#) [10091836-10J-50B](#) [10091836-10J-50DLF](#) [10091836-10J-60B](#) [10091836-10J-60DLF](#) [10091836-10J-70B](#) [10091836-10J-70DLF](#) [10091836-10J-80B](#) [10091836-10J-80DLF](#) [10091836-A0J-10B](#) [10091836-A0J-20B](#) [10091836-A0J-30B](#) [10091836-A0J-40B](#) [10091836-A0J-50B](#) [10091836-A0J-50DLF](#) [10091836-A0J-60B](#) [10091836-A0J-60DLF](#) [10091836-A0J-70B](#) [10091836-A0J-70DLF](#) [10091836-A0J-80B](#) [10091836-A0J-80DLF](#) [10091836-B0J-10B](#) [10091836-B0J-20B](#) [10091836-B0J-30B](#) [10091836-B0J-40B](#) [10091836-B0J-50B](#) [10091836-B0J-50DLF](#) [10091836-B0J-60B](#) [10091836-B0J-60DLF](#) [10091836-B0J-70B](#) [10091836-B0J-70DLF](#) [10091836-B0J-80B](#) [10091836-B0J-80DLF](#) [10091836-C0J-10B](#) [10091836-C0J-20B](#) [10091836-C0J-30B](#) [10091836-C0J-40B](#) [10091836-C0J-50B](#) [10091836-C0J-50DLF](#) [10091836-C0J-60B](#) [10091836-C0J-60DLF](#) [10091836-C0J-70B](#) [10091836-C0J-70DLF](#) [10091836-C0J-80B](#) [10091836-C0J-80DLF](#) [10091836-D0J-10B](#) [10091836-D0J-20B](#) [10091836-D0J-30B](#) [10091836-D0J-40B](#) [10091836-D0J-50B](#) [10091836-D0J-50DLF](#) [10091836-D0J-60B](#) [10091836-D0J-60DLF](#) [10091836-D0J-70B](#) [10091836-D0J-70DLF](#) [10091836-D0J-80B](#) [10091836-D0J-80DLF](#) [10091836-E0J-10B](#) [10091836-E0J-20B](#) [10091836-E0J-30B](#) [10091836-E0J-40B](#) [10091836-E0J-50B](#) [10091836-E0J-50DLF](#) [10091836-E0J-60B](#) [10091836-E0J-60DLF](#) [10091836-E0J-70B](#) [10091836-E0J-70DLF](#) [10091836-E0J-80B](#) [10091836-E0J-80DLF](#) [10091836-F0J-10B](#) [10091836-F0J-20B](#) [10091836-F0J-30B](#) [10091836-F0J-40B](#) [10091836-F0J-50B](#) [10091836-F0J-50DLF](#) [10091836-F0J-60B](#) [10091836-F0J-60DLF](#) [10091836-F0J-70B](#) [10091836-F0J-70DLF](#) [10091836-F0J-80B](#) [10091836-F0J-80DLF](#) [10091836-G0J-10B](#) [10091836-G0J-20B](#) [10091836-G0J-30B](#) [10091836-G0J-40B](#)