

A
B
C
D
E
F

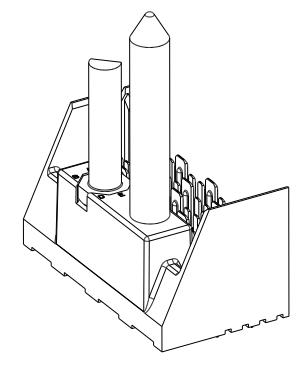
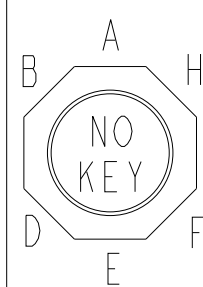
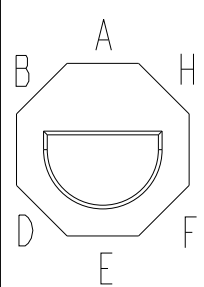
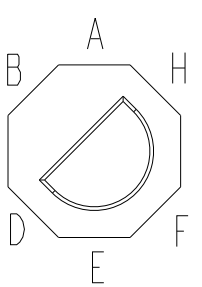
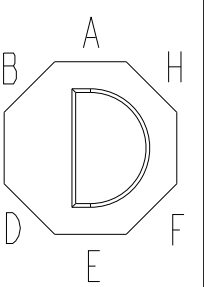
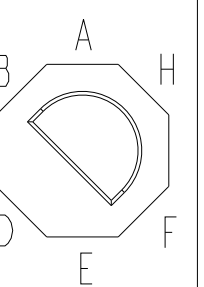
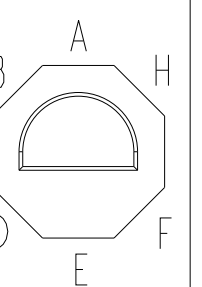
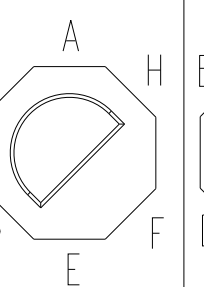
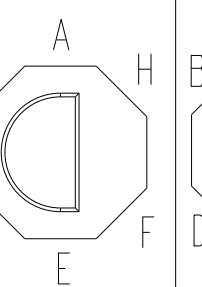
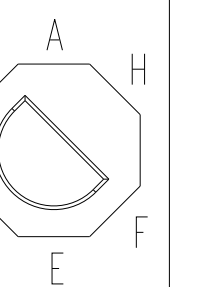
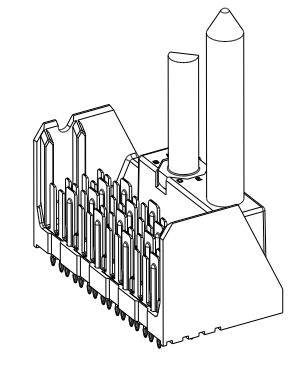
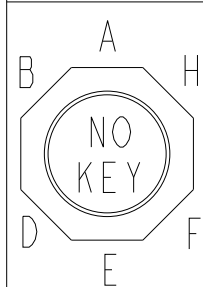
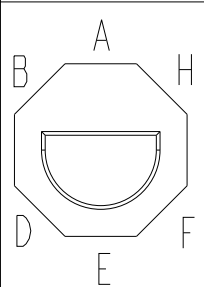
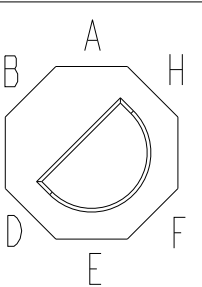
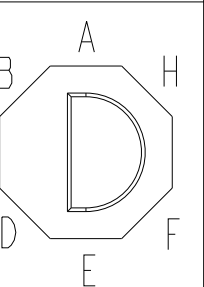
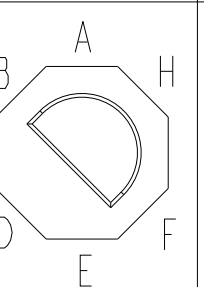
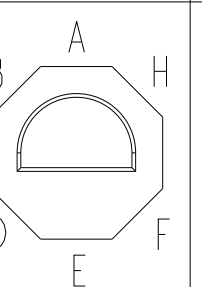
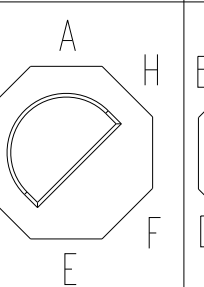
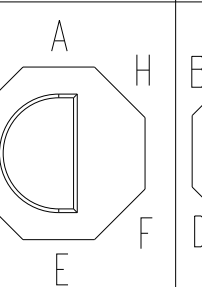
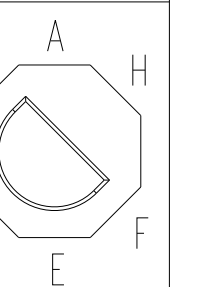
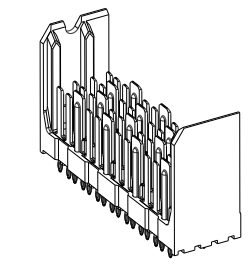
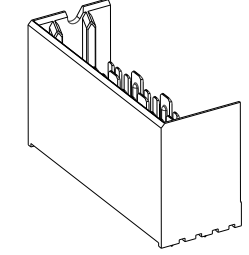
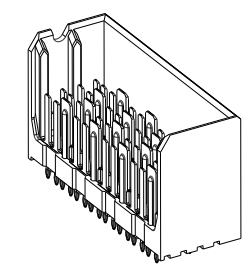
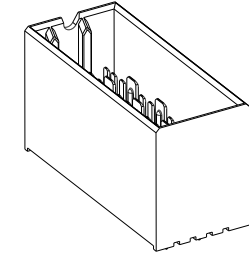
1 0 0 9 | 8 3 6 - X 0 J - X X X L F

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"]

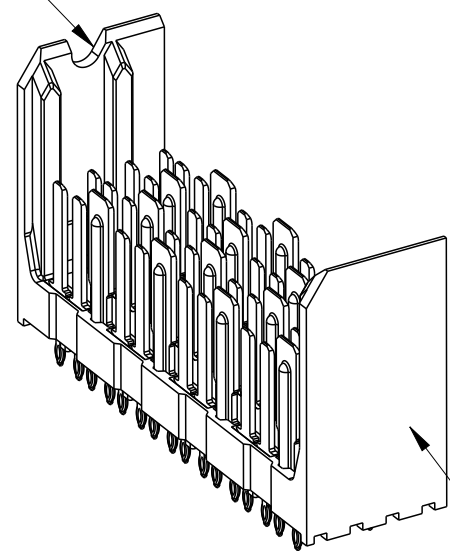
TABLE 1: OPTIONAL PCB HOLE SIZE (SEE NOTE 11)		
	GROUNDED	UNGROUNDED
FINISHED	Ø2.35-2.55	Ø2.35-2.55
PAD	Ø5.50	N/A
PLATED	YES	NO
DRILL (mm/in)	2.58 /.1015	2.44 /.096

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

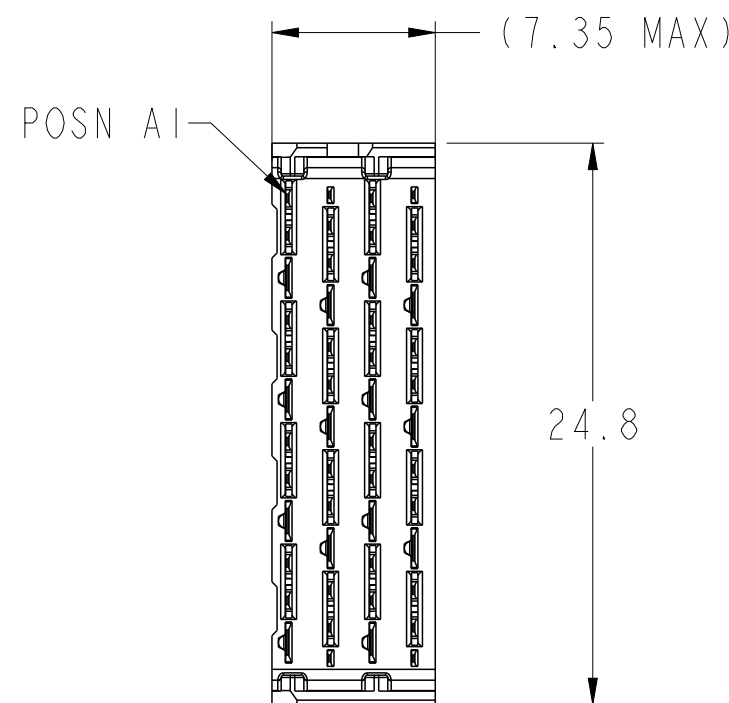
spec ref		SEE NOTES			dr		Jim Swain		2010/04/13		projection		MM		size		A2		scale		4:1									
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Michael Song		2016/06/06						ecn no		ELX-DG-24191-1													
ASME Y14.5					chr		Heaven Cen		2016/06/08						rel level		Released													
					appr		Pei-Ming Zheng		2016/06/15						product family		-													
surface			linear		Amphenol FCI		title		MODULE ASSEMBLY						dwg no		10091836						rev		G					
																											0.X		±0.2	
																											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

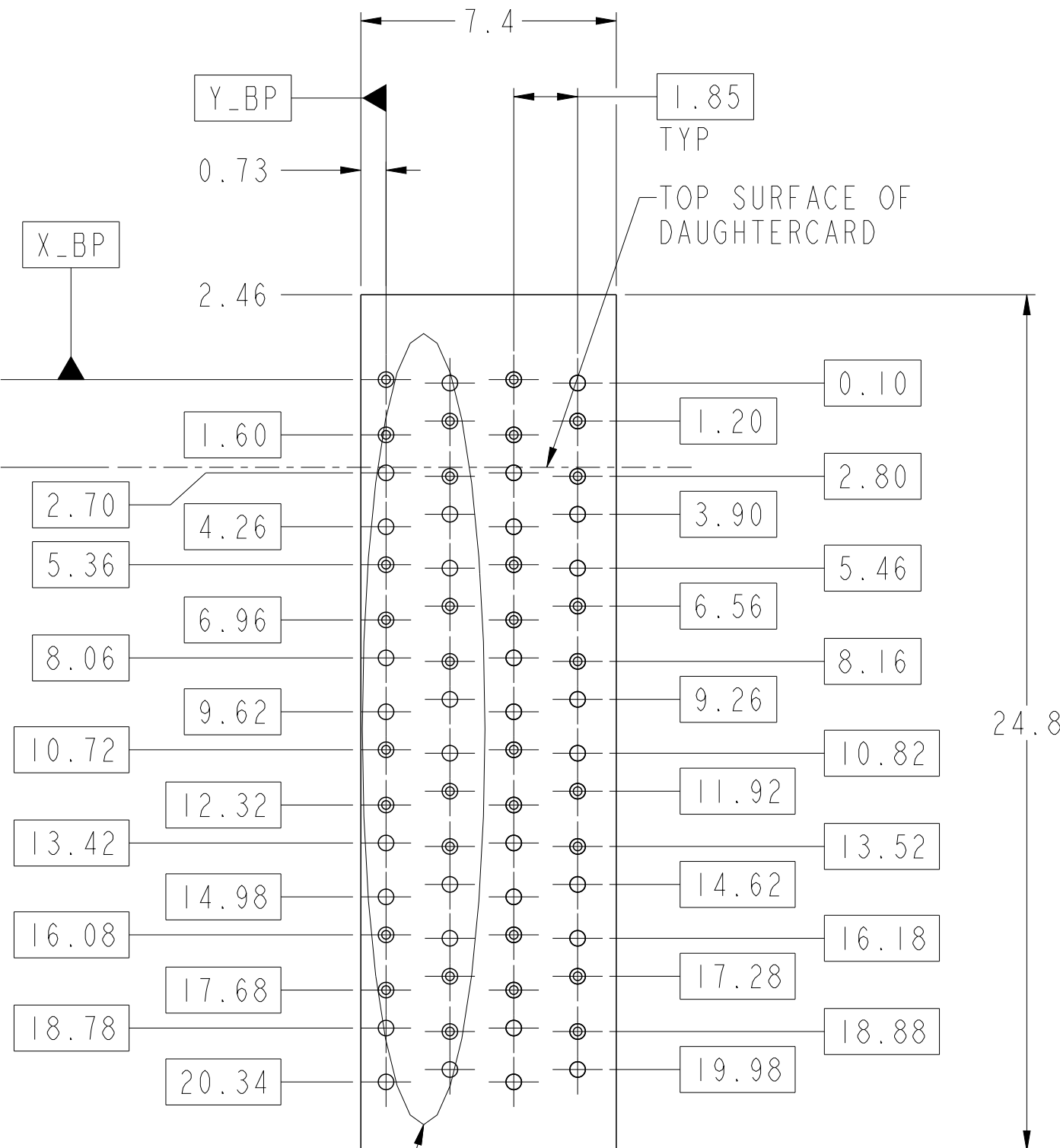
SEE NOTE 8



SEE NOTE 5



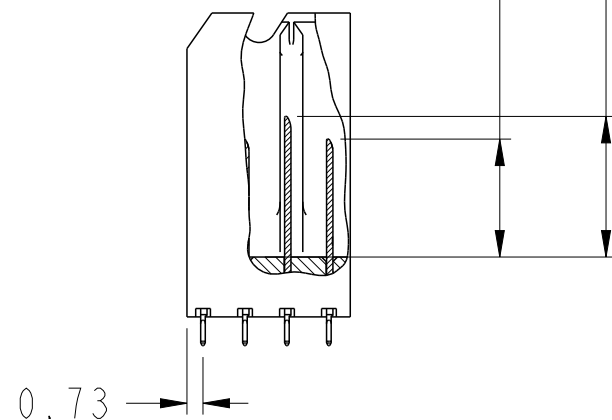
2.54
TO TOP SURFACE
OF DAUGHTERCARD



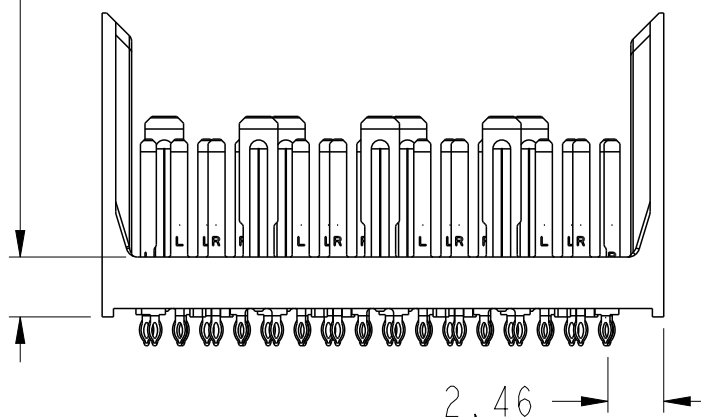
SEE DETAIL A
(SHEET 8)

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

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	-	cat. no.	Product - Customer Drw	sheet 2 of 8	
surface	linear	0.X	±0.2	0.XX	±0.10	0.XXX	±0.050	angular	0°	±°
ASME Y14.5										

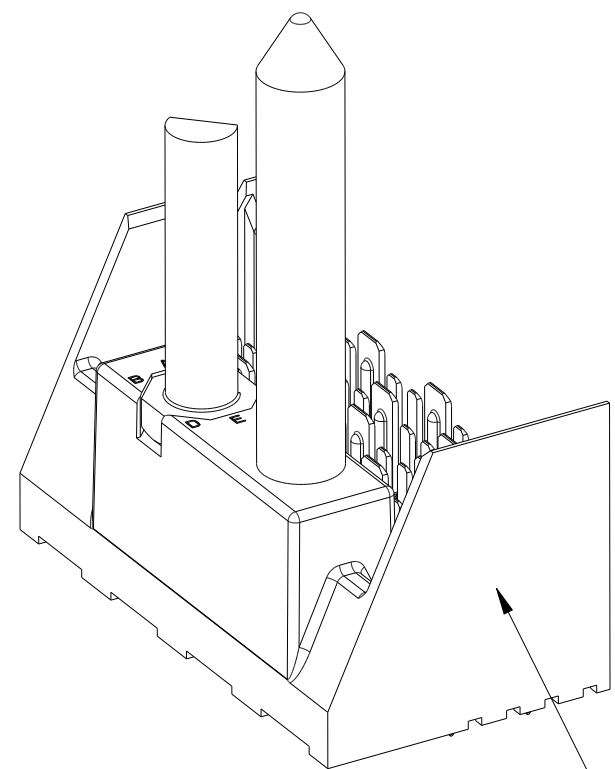
Amphenol FCI	MODULE ASSEMBLY	10091836	G
cat. no.	Product - Customer Drw	sheet 2 of 8	

PDS: Rev :G

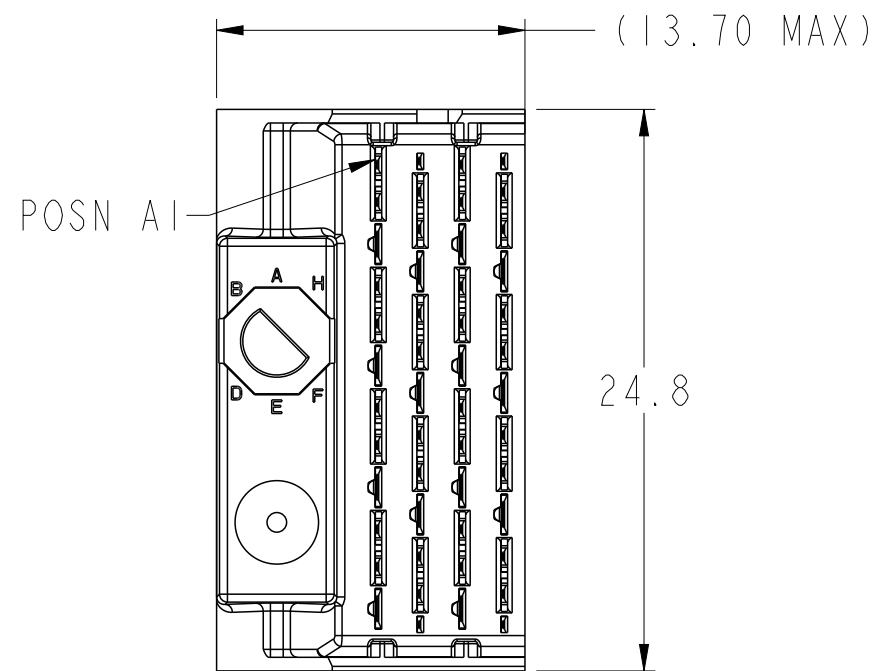
STATUS:Released

Printed: Jun 15, 2016

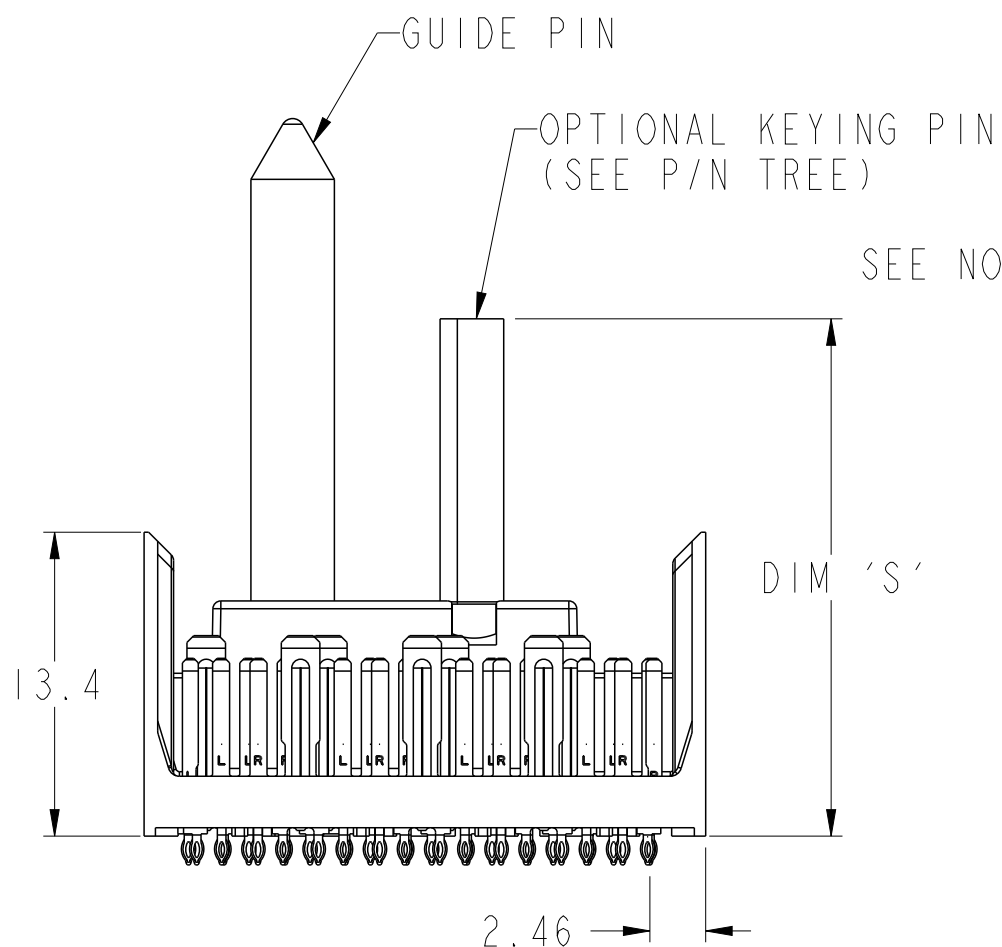
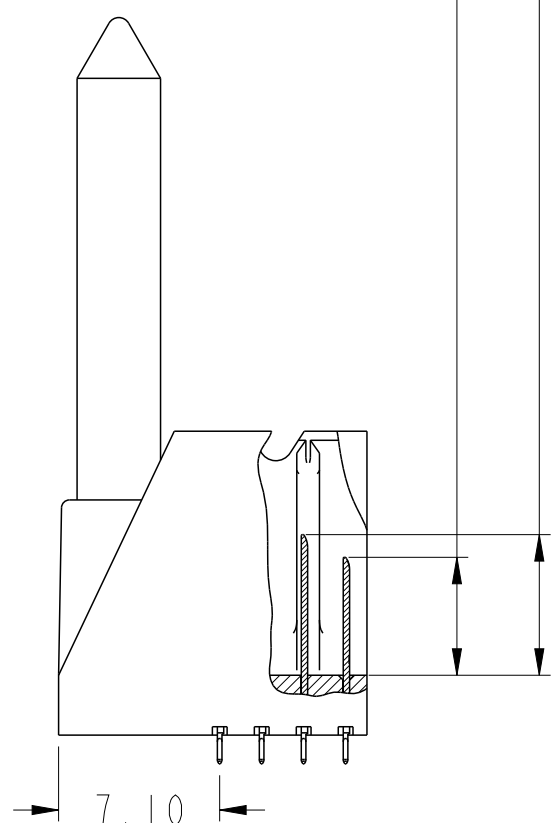
LEFT POLARIZING/GUIDE MODULE



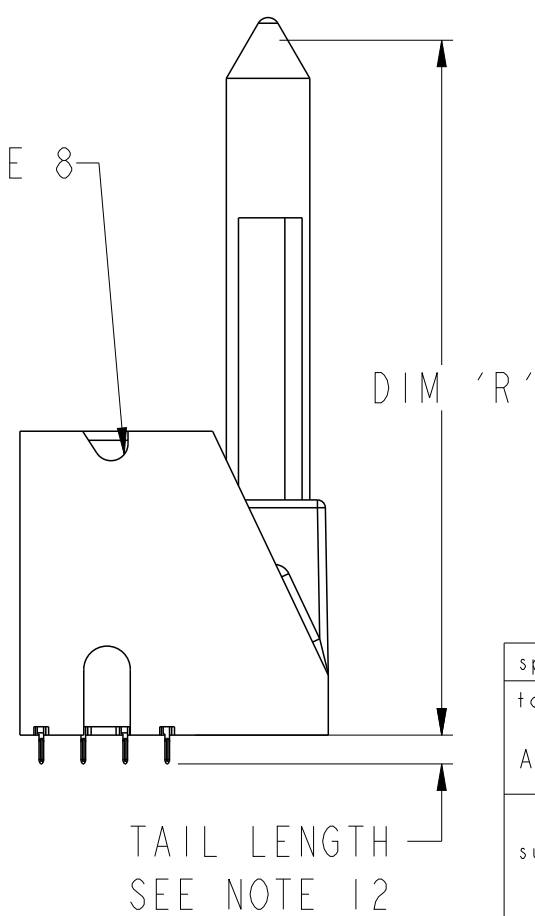
SEE NOTE 5



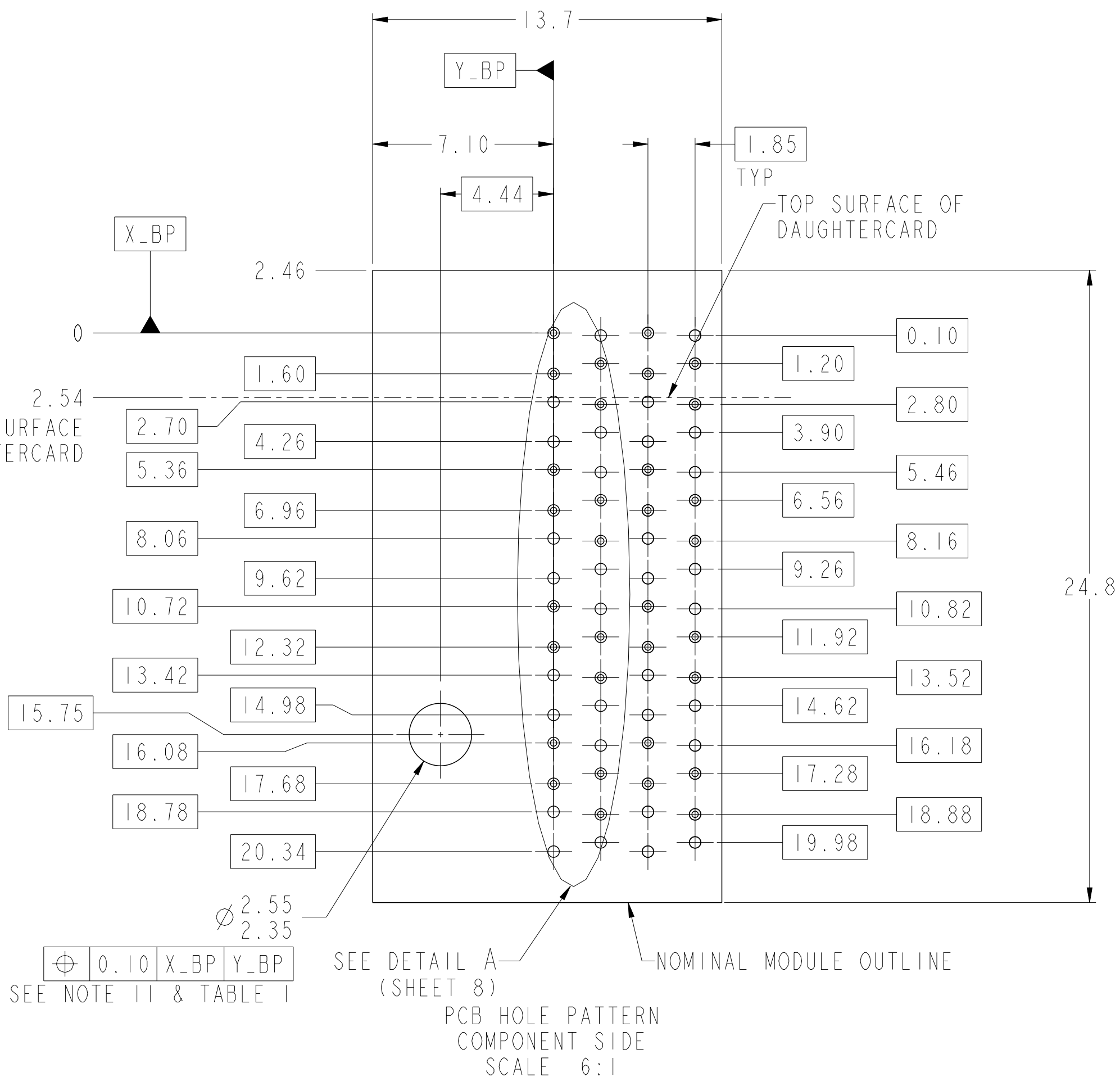
- 6.2 (4MM WIPE WIDE GROUNDS)
- 5.2 (3MM WIPE WIDE GROUNDS)
- 5.2 (3MM SMALL END GROUNDS)
- 5.2 (3MM WIPE SIGNALS)
- 4.2 (2MM WIPE SIGNALS)
- SEE P/N TREE



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

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				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 3 of 8			

PDS: Rev :G

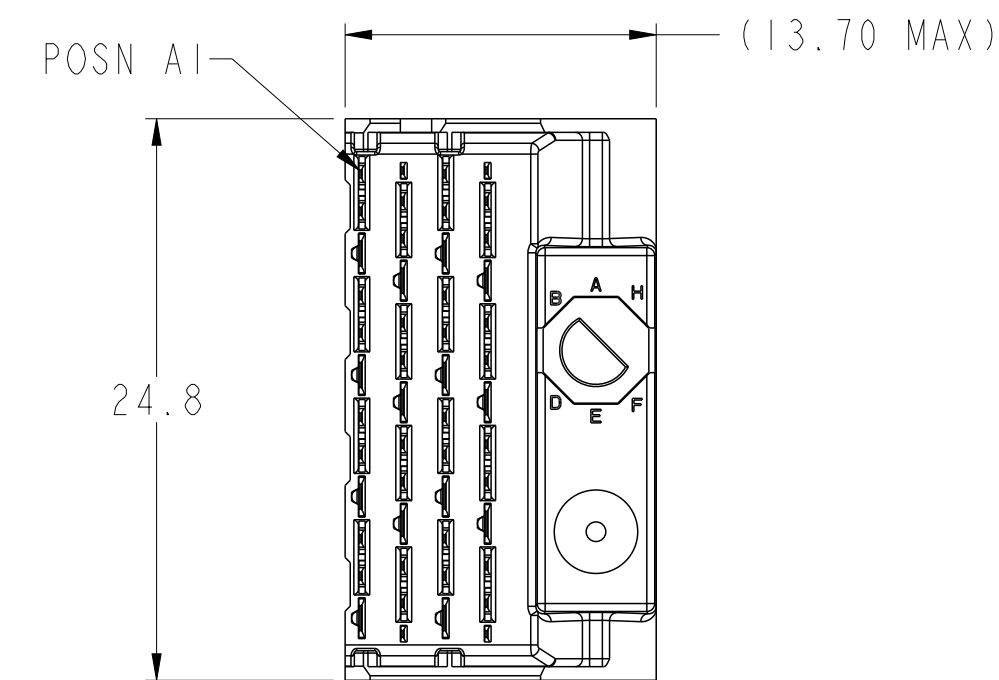
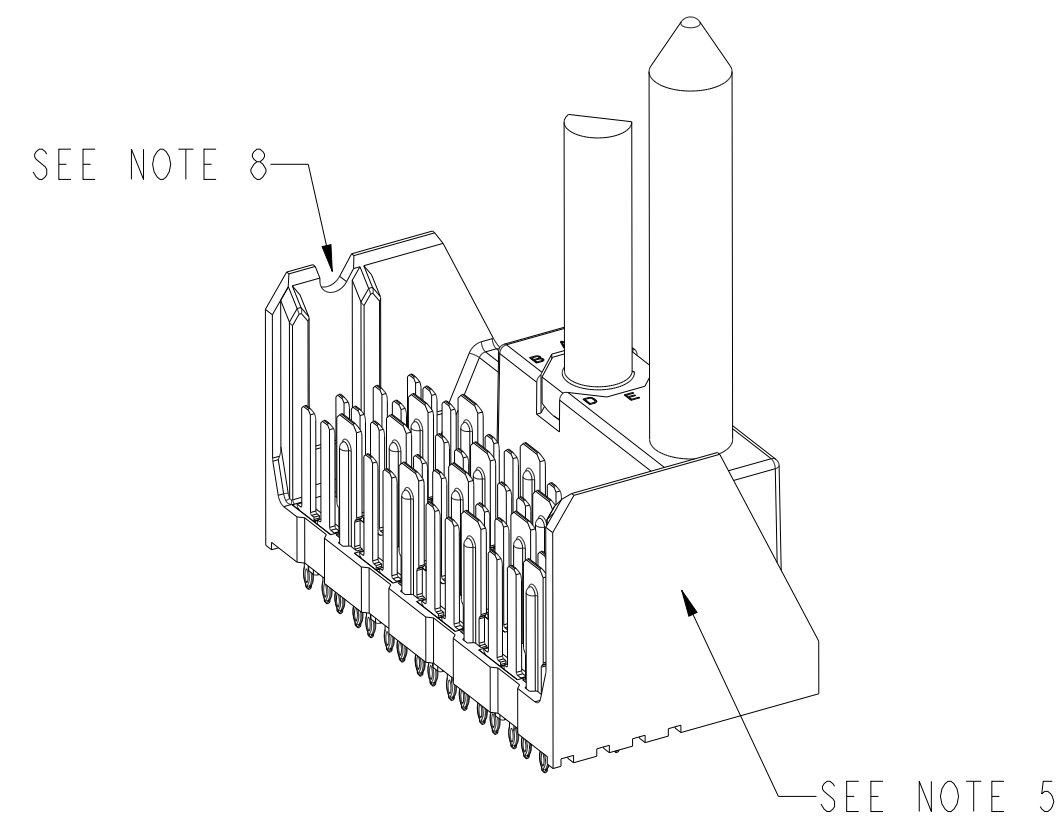
STATUS:Released

Printed: Jun 15, 2016

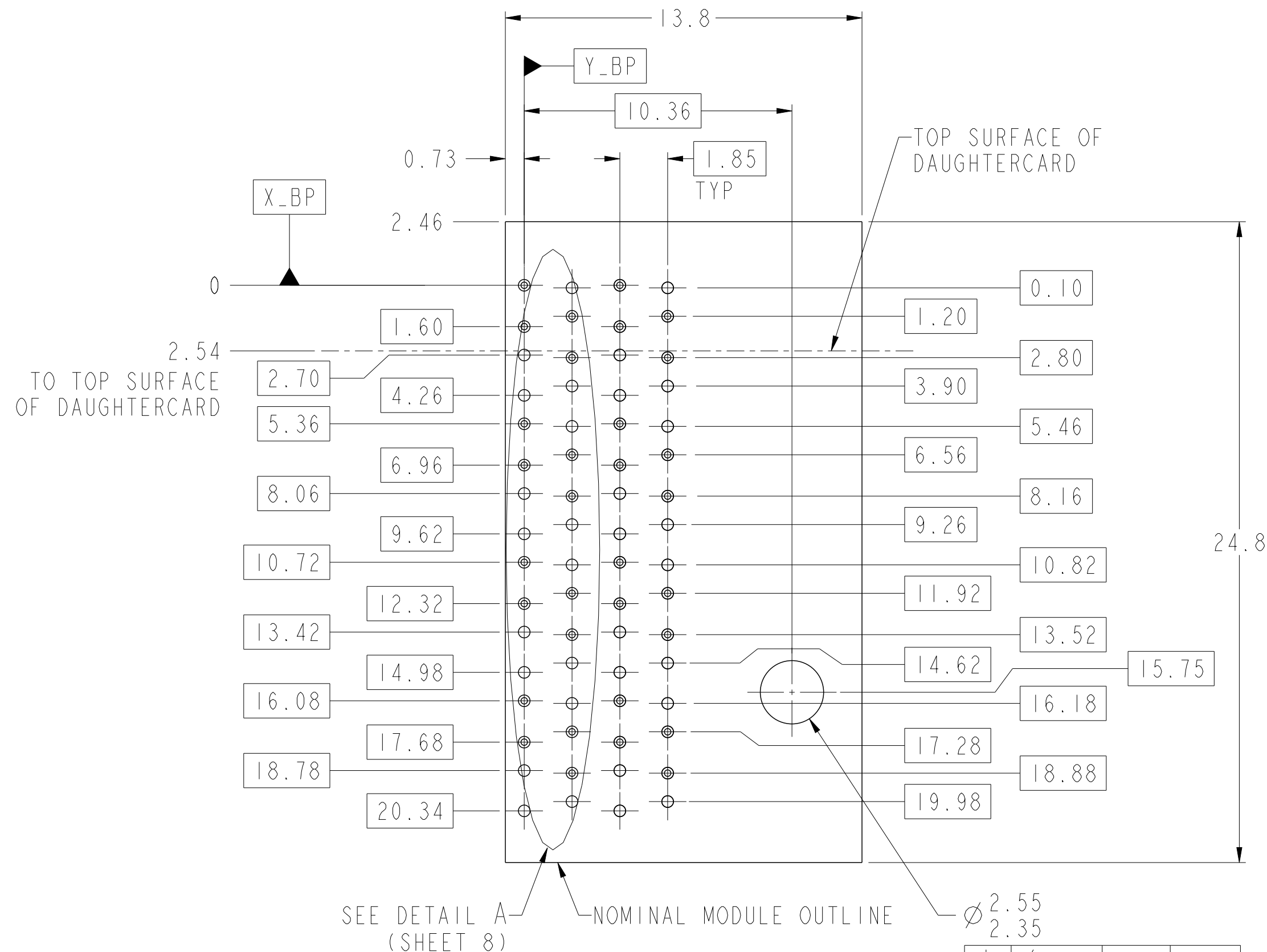
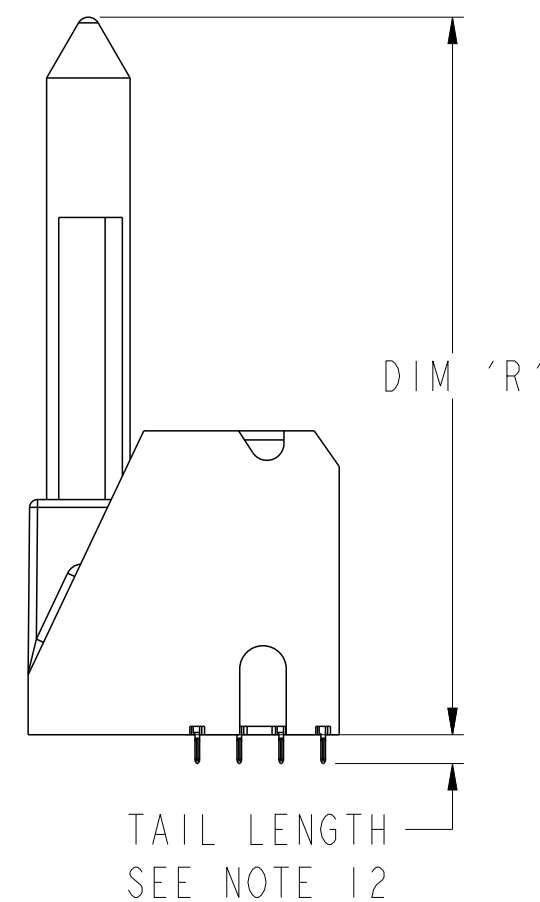
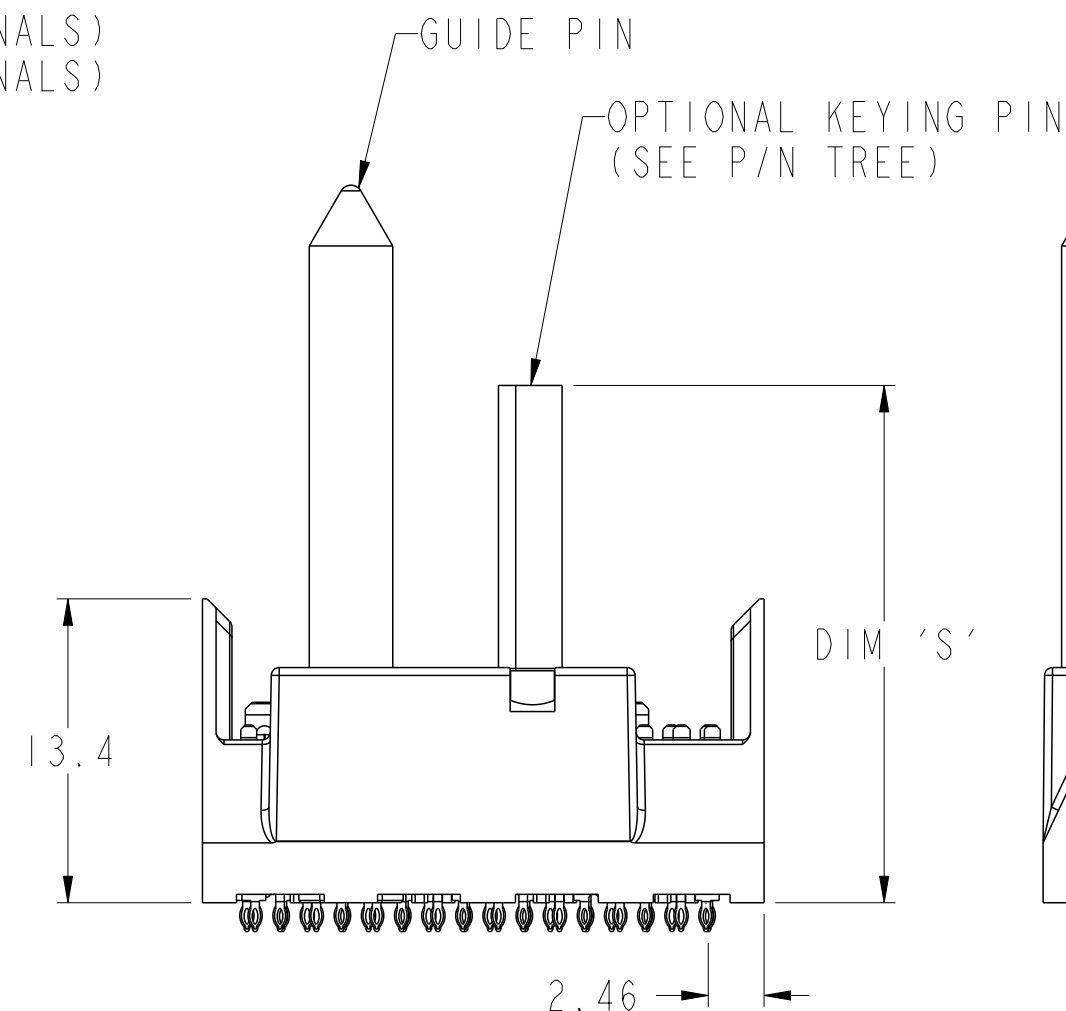
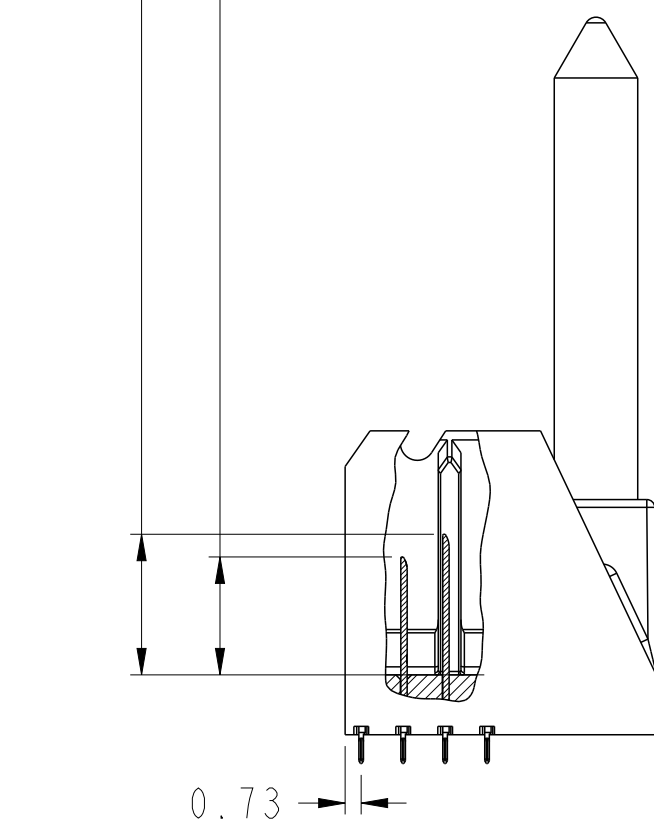
Amphenol
FCI

© 2016 APCI

RIGHT POLARIZING/GUIDE MODULE



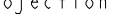
6.2 (4MM WIPE WIDE GROUNDS)
5.2 (3MM WIPE WIDE GROUNDS)
5.2 (3MM SMALL END GROUNDS)
5.2 (3MM WIPE SIGNALS)
4.2 (2MM WIPE SIGNALS)
SEE P/N TREE



PCB HOLE PATTERN
COMPONENT SIDE
SCALE 6:1

$\varnothing$	$\varnothing 0.10$	X_BP	Y_BP
SEE NOTE 11 & TABLE 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

spec ref	SEE NOTES		dr	Jim Swain	2010/04/13			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

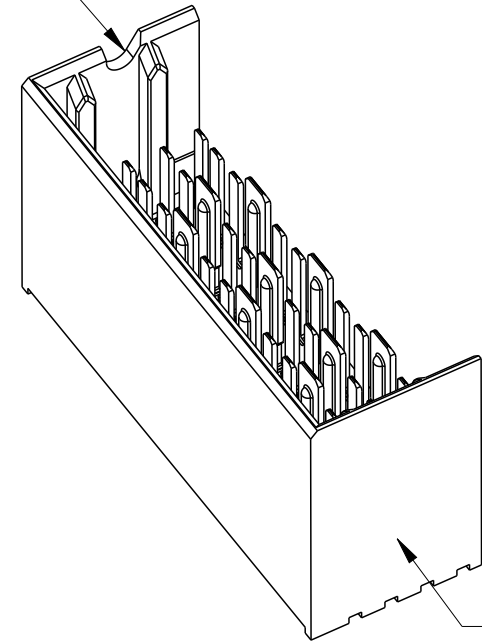
PDS: Rev:G

STATUS:Released

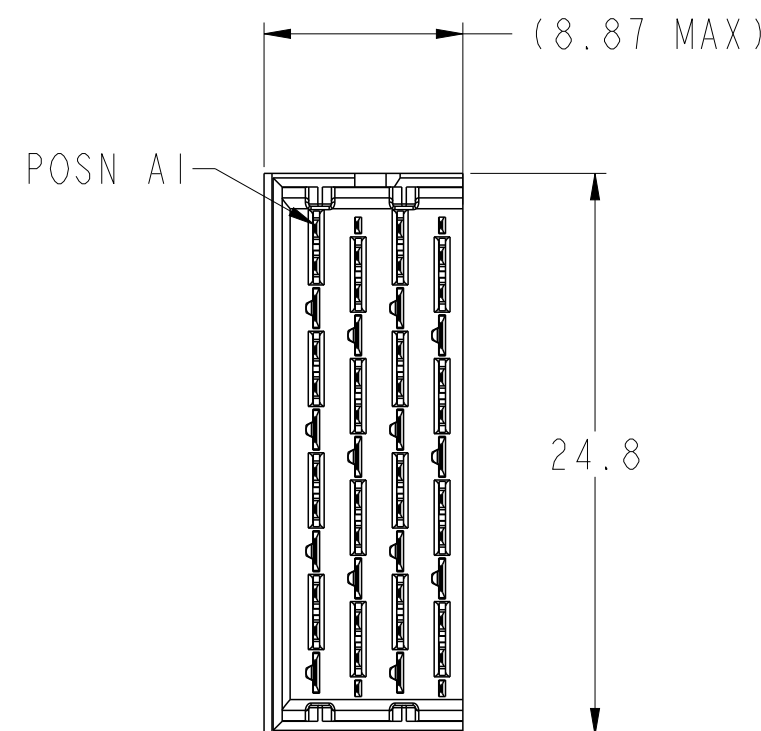
Printed: Jun 15, 2016

LEFT WALL MODULE

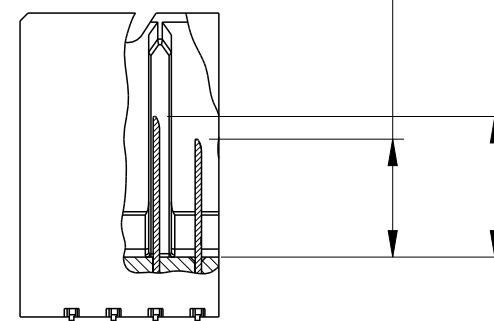
SEE NOTE 8



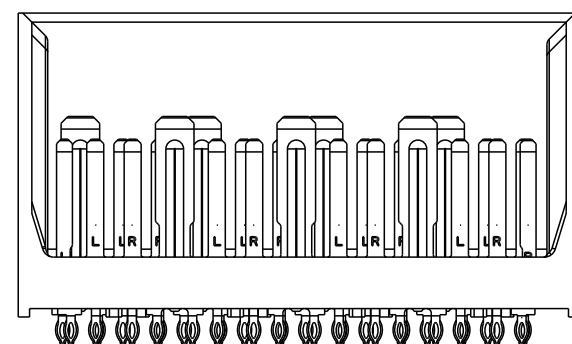
SEE NOTE 5



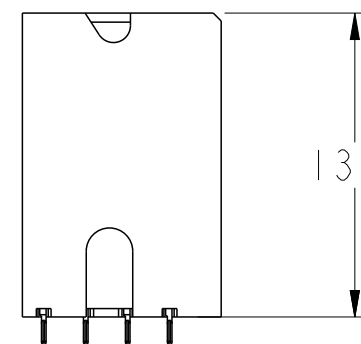
6.2 (4MM WIPE WIDE GROUNDS)
5.2 (3MM WIPE WIDE GROUNDS)
5.2 (3MM SMALL END GROUNDS)
5.2 (3MM WIPE SIGNALS)
4.2 (2MM WIPE SIGNALS)
SEE P/N TREE



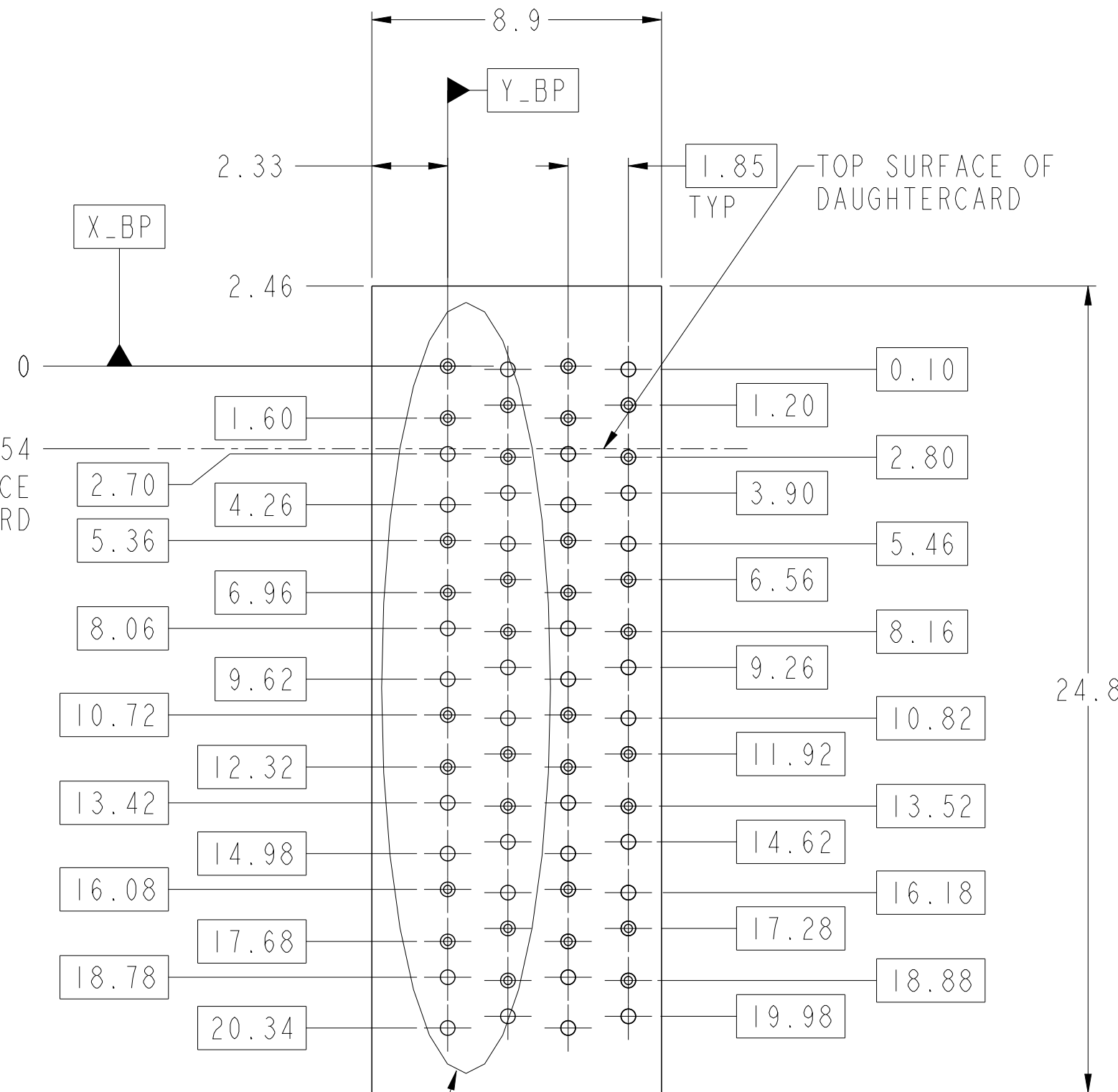
2.33



2.46



TAIL LENGTH
SEE NOTE 12



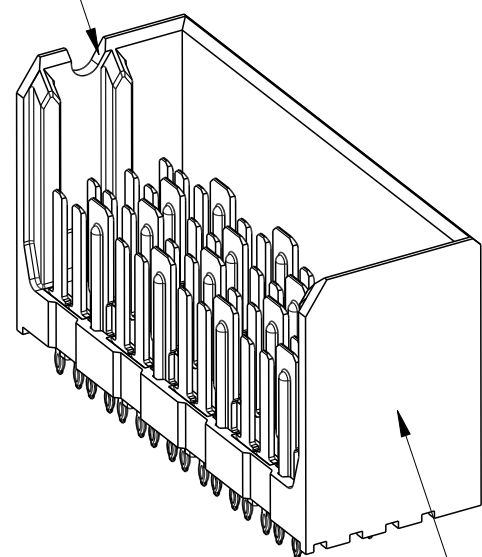
SEE DETAIL A
(SHEET 8)

PCB HOLE PATTERN
COMPONENT SIDE
SCALE 6:1

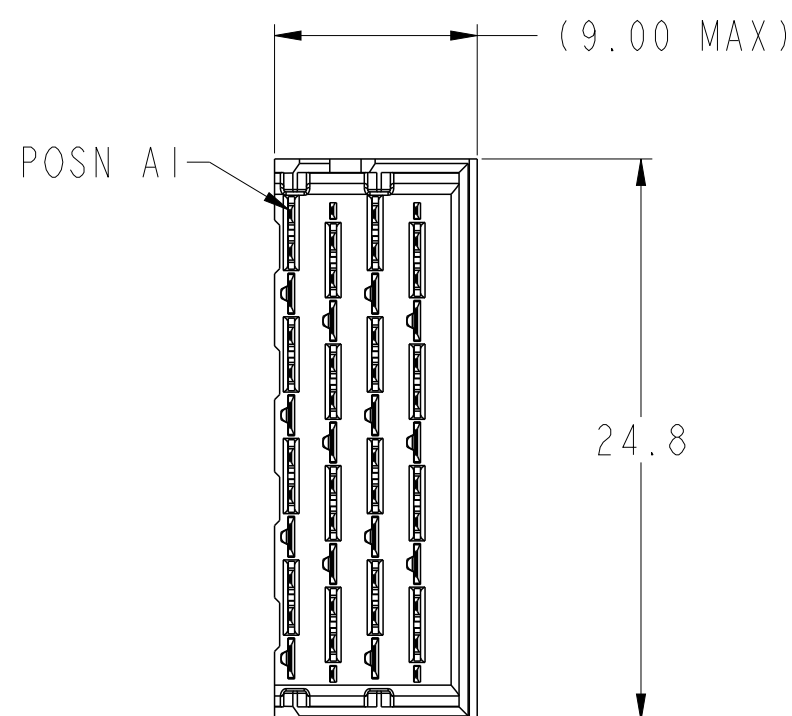
spec ref		SEE NOTES		dr		Jim Swain		2010/04/13		projection		MM		size		scale			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Michael Song		2016/06/06						A2		3:1			
ASME Y14.5				chr		Heaven Cen		2016/06/08						ecn no		ELX-DG-24191-1			
				appr		Pei-Ming Zheng		2016/06/15		product family		XCede		rel level		Released			
surface		linear				title		MODULE ASSEMBLY		VERTICAL HEADER, 4-COLUMN, 4-PAIR		dwg no		10091836		rev			
		0.X																±0.2	
		0.XX																±0.10	
ASME Y14.5		angular		0°		±°													
								cat. no.		SEE P/N TREE		Product - Customer Drw		sheet 5 of 8					

RIGHT WALL MODULE

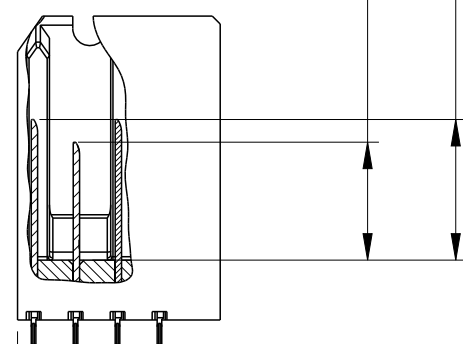
SEE NOTE 8



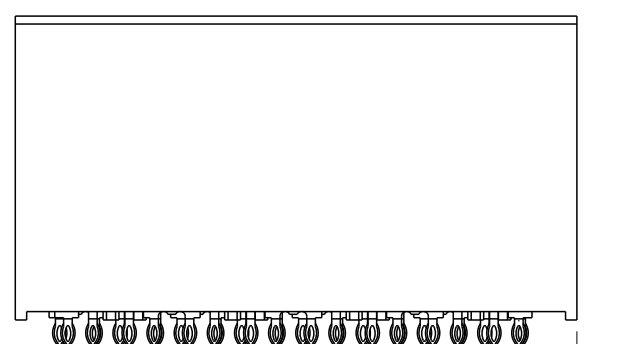
SEE NOTE 5



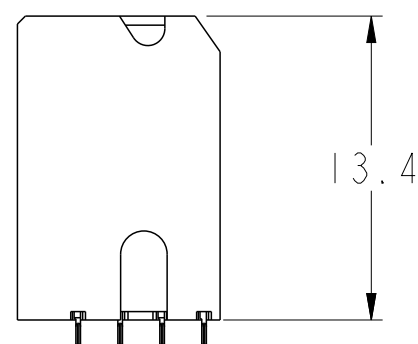
6.2 (4MM WIPE WIDE GROUNDS)
5.2 (3MM WIPE WIDE GROUNDS)
5.2 (3MM SMALL END GROUNDS)
5.2 (3MM WIPE SIGNALS)
4.2 (2MM WIPE SIGNALS)
SEE P/N TREE



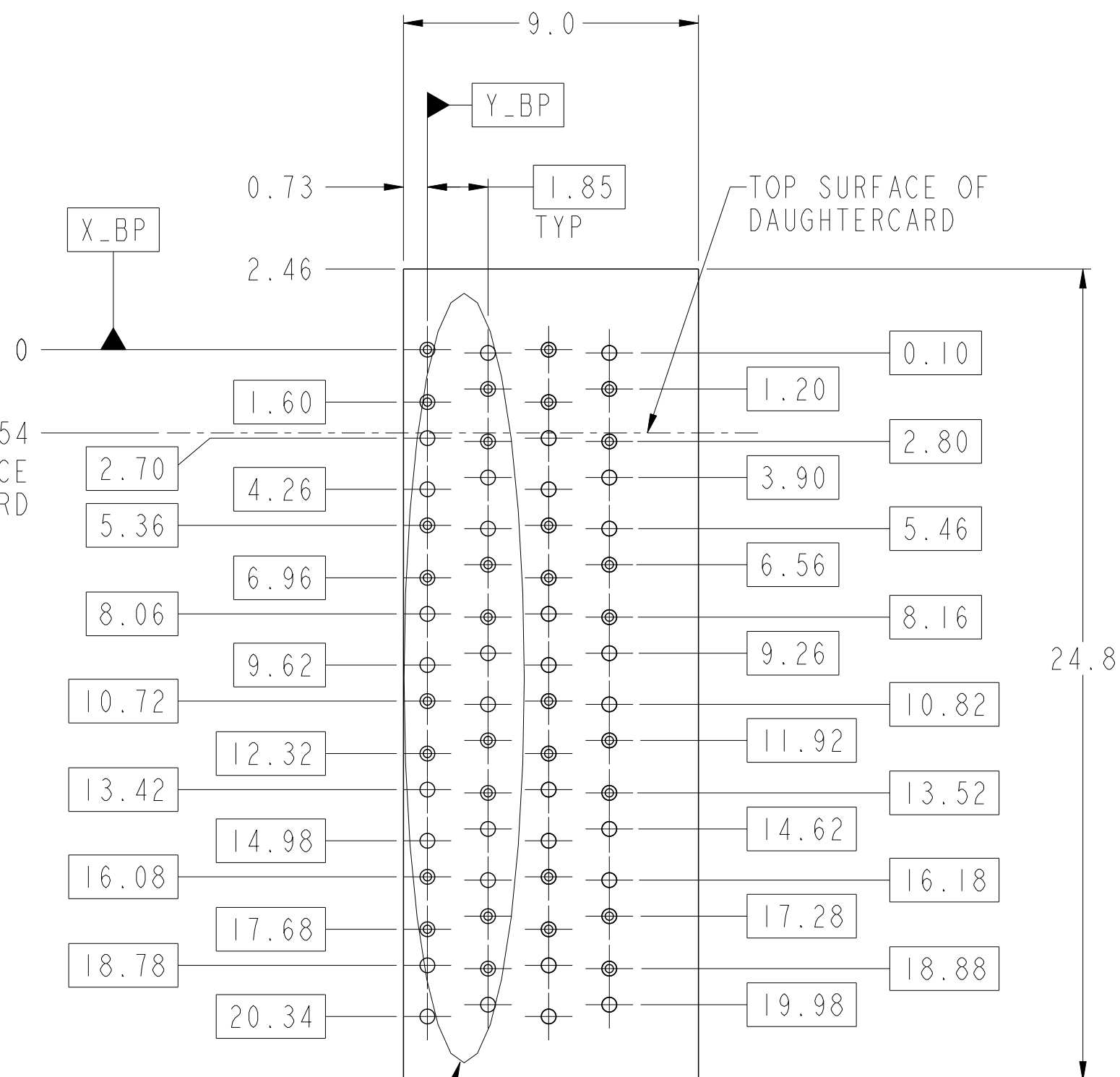
0.73



2.46



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	3:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Michael Song	2016/06/06		MM	ecn no	ELX-DG-24191-1		
ASME Y14.5		chr	Heaven Cen	2016/06/08			rel level	Released		
surface	linear	appr	Pei-Ming Zheng	2016/06/15	product family	XCede		rel level	Released	
ASME Y14.5	angular	Amphenol FCI		title	MODULE ASSEMBLY		dwg no	10091836		rev
					VERTICAL HEADER, 4-COLUMN, 4-PAIR					G
				cat. no.	SEE P/N TREE		Product - Customer Drw	sheet 6 of 8		

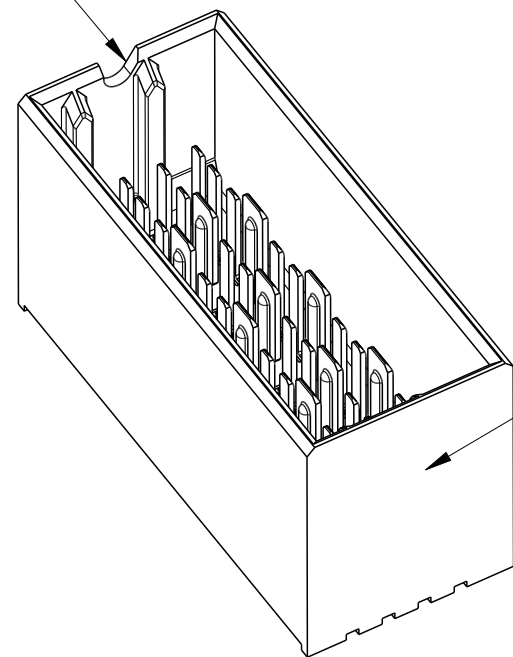
PDS: Rev :G

STATUS:Released

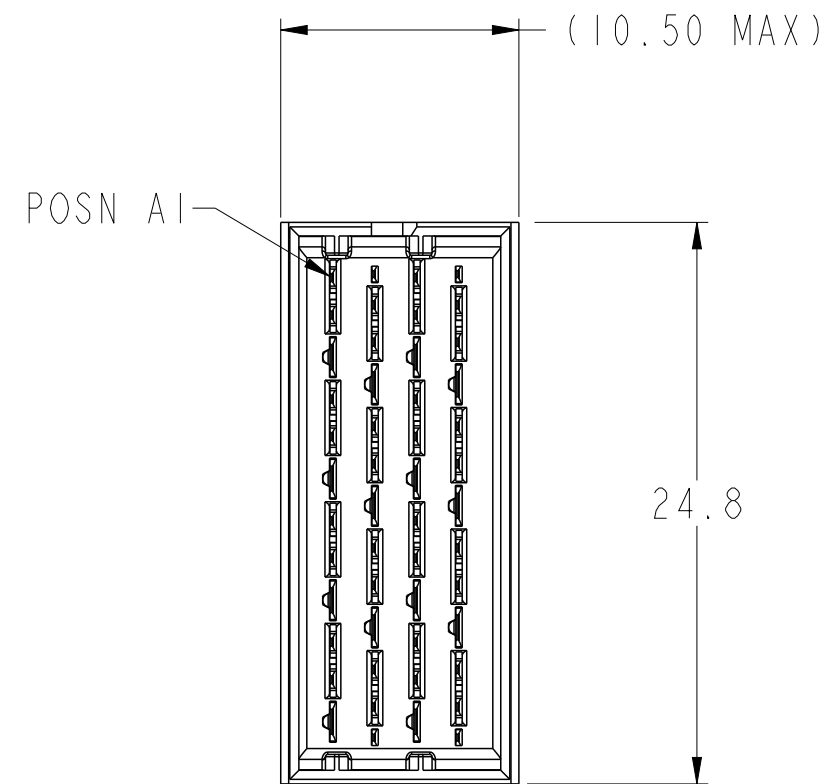
Printed: Jun 15, 2016

4-WALL MODULE

SEE NOTE 8

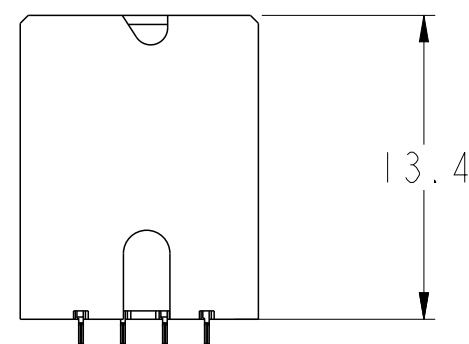
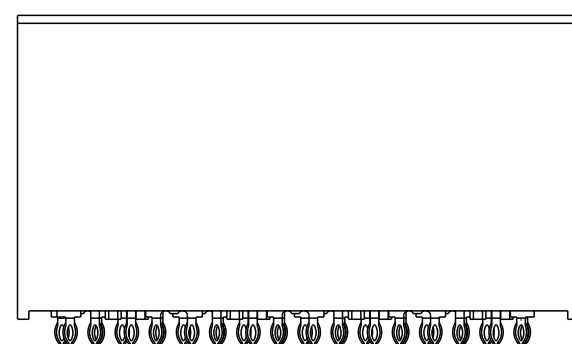
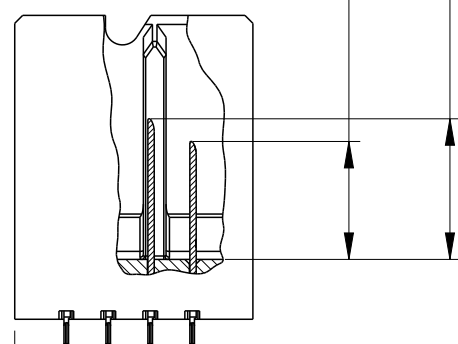


SEE NOTE 5

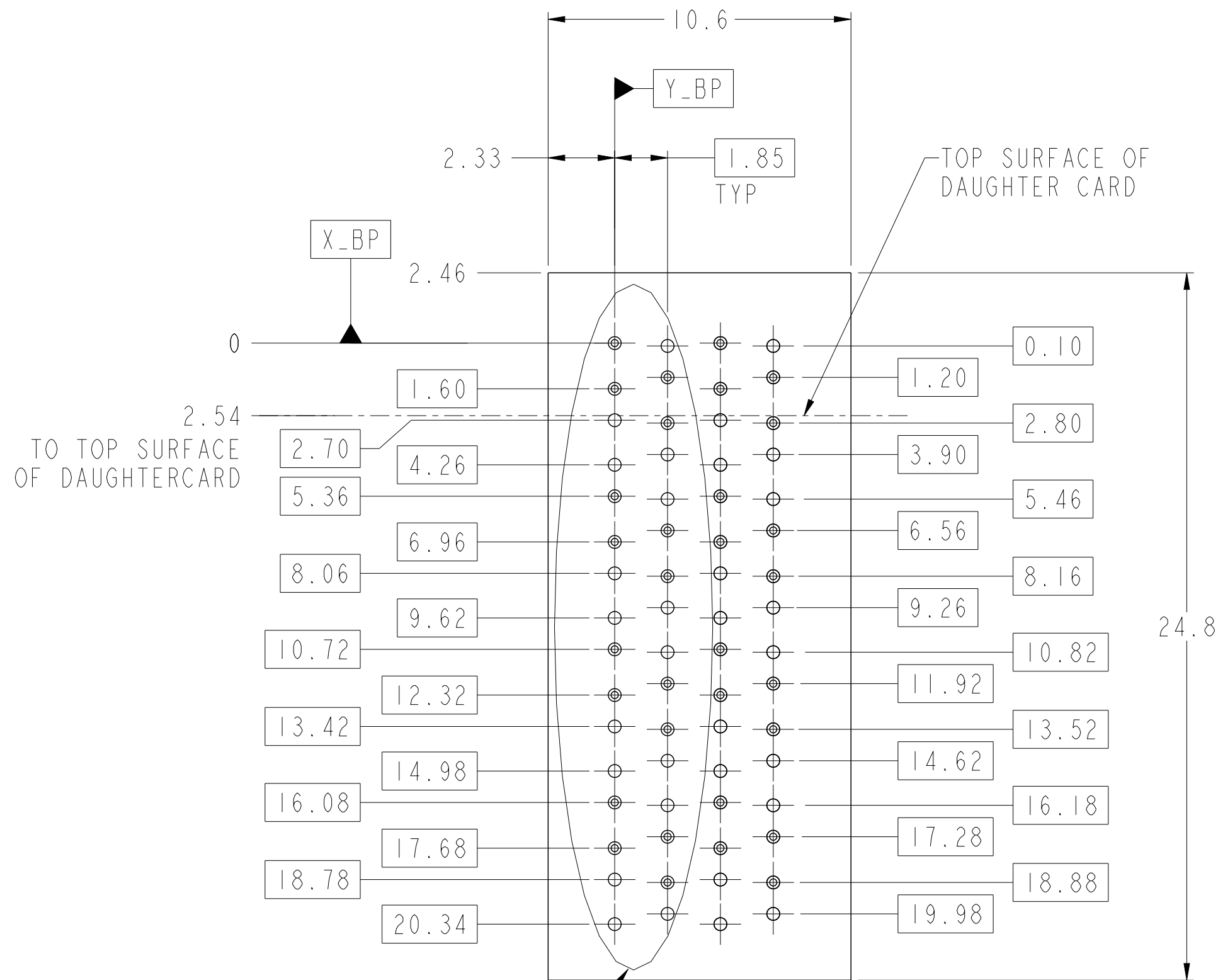


6.2 (4MM WIPE WIDE GROUNDS)
5.2 (3MM WIPE WIDE GROUNDS)

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						ecn no ELX-DG-24191-1		rel level Released	
ASME Y14.5				chr Heaven Cen		2016/06/08						product family -			
				appr Pei-Ming Zheng		2016/06/15									
surface		linear		Amphenol FCI		title MODULE ASSEMBLY VERTICAL HEADER, 4-COLUMN, 4-PAIR		dwg no 10091836		rev G					
		0.X ±0.2													
		0.XX ±0.10													
ASME Y14.5		angular 0° ±0.050													
						cat. no. -		Product - Customer Drw				sheet 7 of 8			

PDS: Rev :G

STATUS:Released

Printed: Jun 15, 2016

