

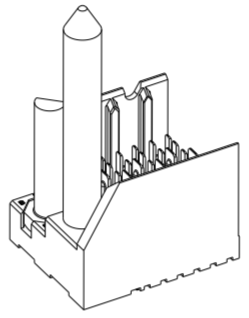
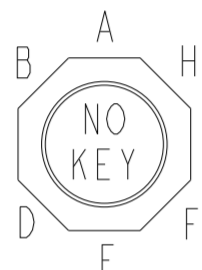
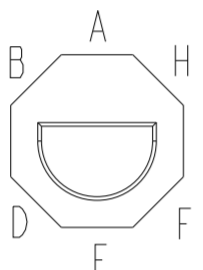
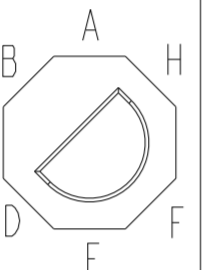
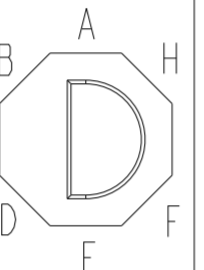
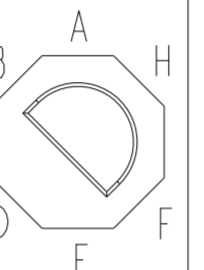
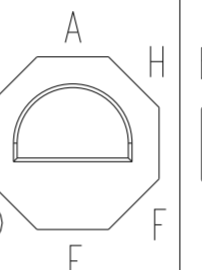
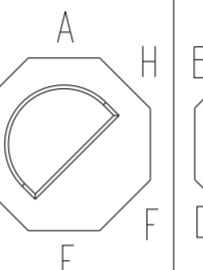
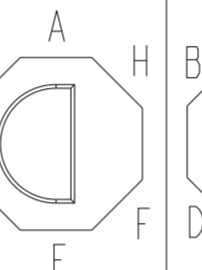
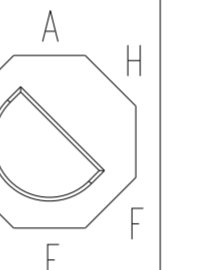
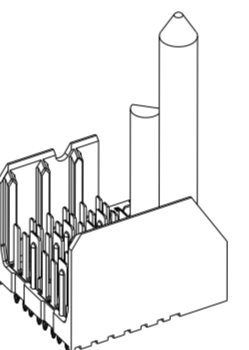

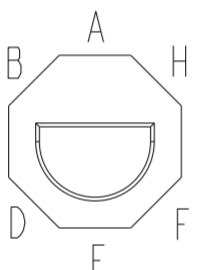
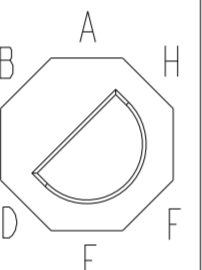
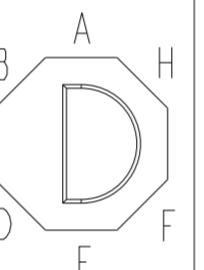
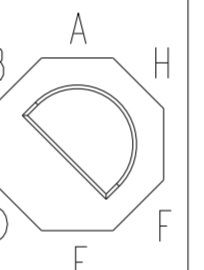
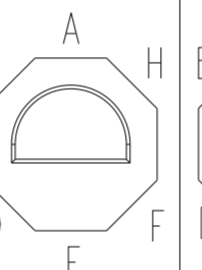
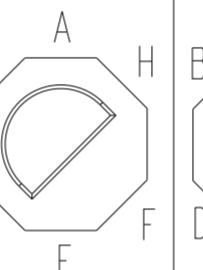
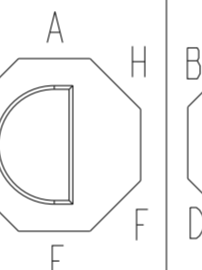
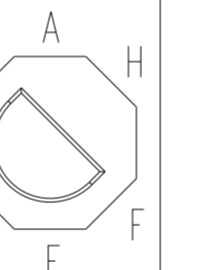
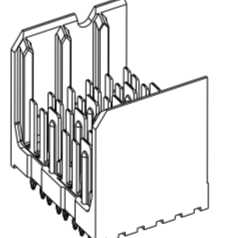
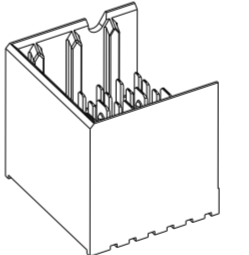
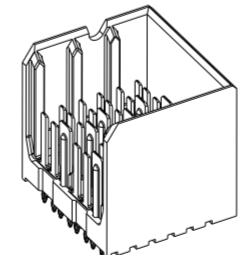
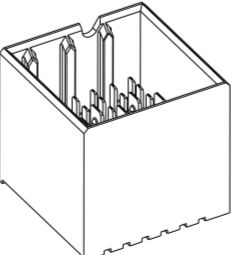
10113947 - X0C - X0XL F

6-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	PIN STYLE, HEIGHT
0	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"]

	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

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

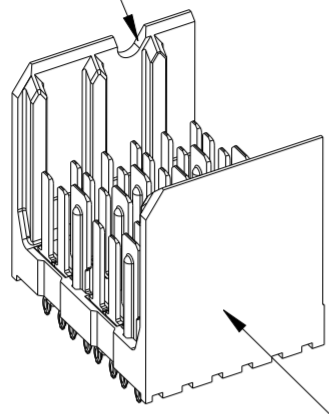
spec ref	SEE NOTES	dr	Kok-Hoe Lee	2010/06/28	projection	MM	size	A2	scale	3:1	
tolerance std	ASME Y14.5	eng	Michael Song	2016/06/03	chr	Heaven Cen	2016/06/08	ecn no	ELX-DG-24191-1	rel level	Released
surface	linear	0.X	±0.2	0.XX	±0.10	0.XXX	±0.050	product family	Module Assembly	cat. no.	SEE P/N TREE
ASME Y14.5	angular	0°	±°	Amphenol FCI		title	MODULE ASSEMBLY	cat. no.	SEE P/N TREE	Product - Customer Drw	sheet 1 of 8

Amphenol FCI

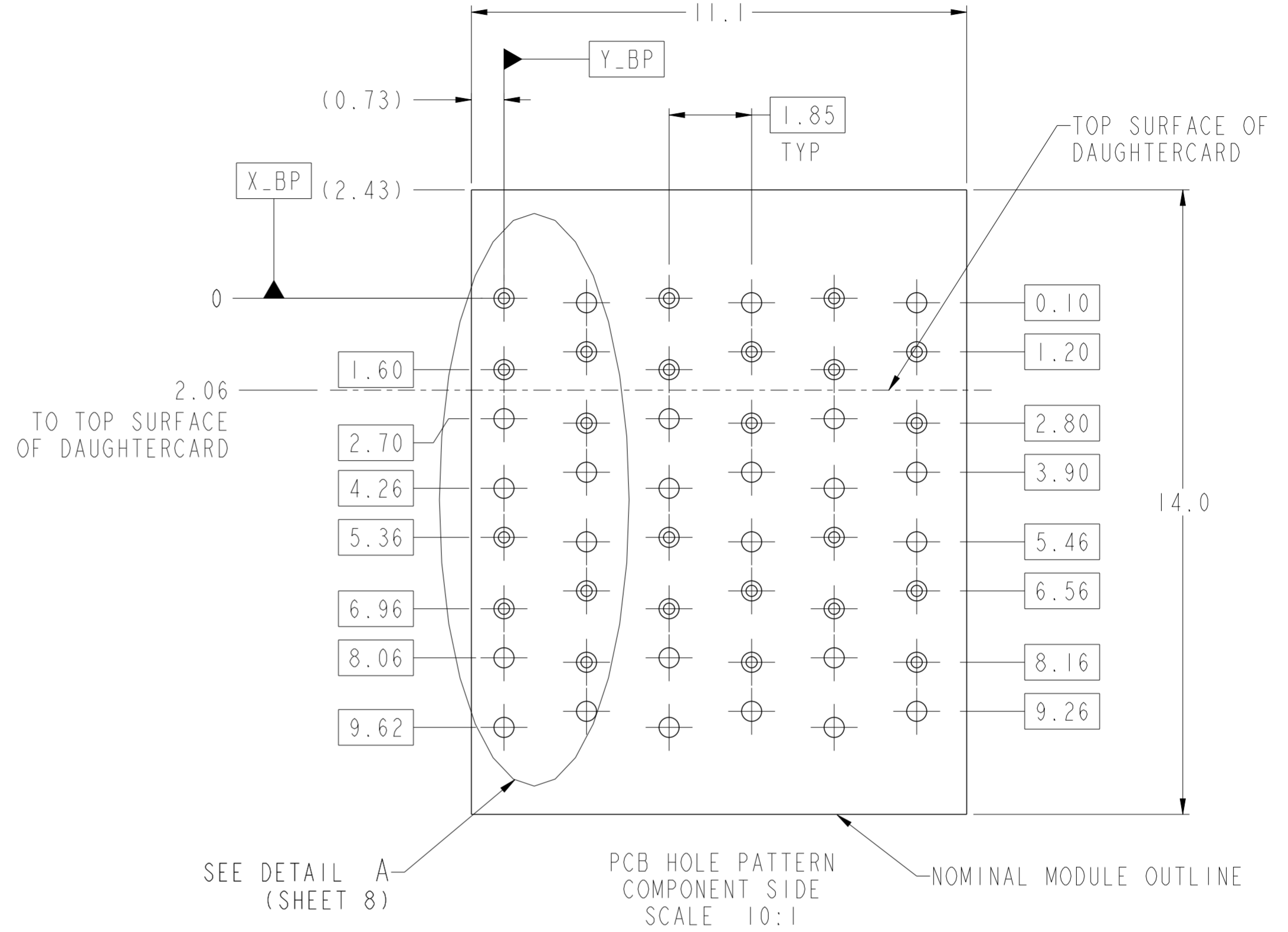
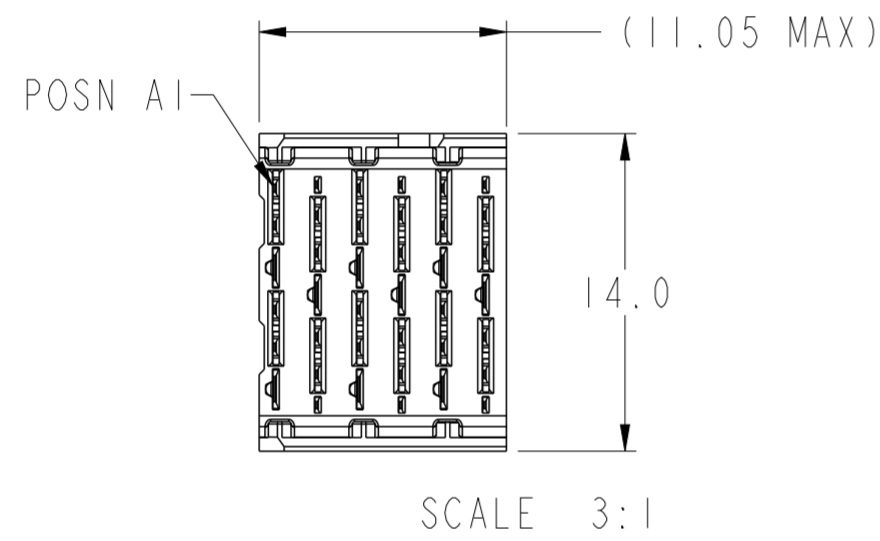
© 2016 AFCI

OPEN (2-WALL) MODULE

SEE NOTE 8



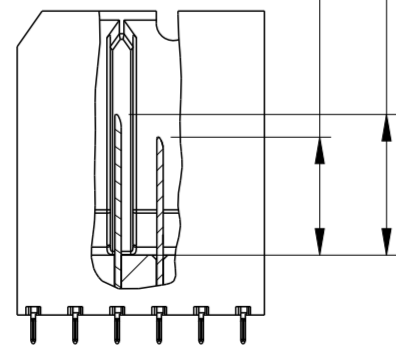
SEE NOTE 5



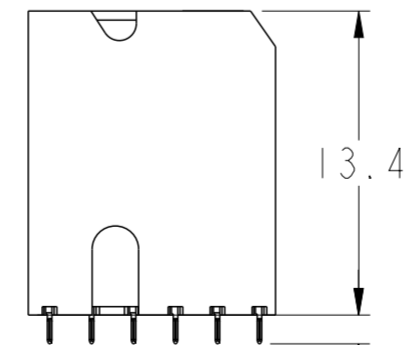
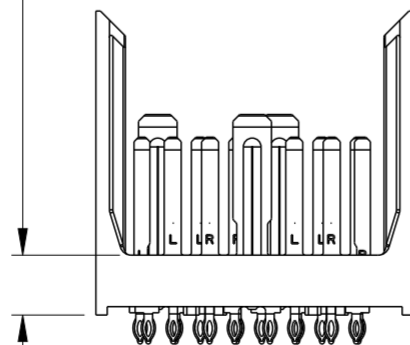
6.2 (4MM WIPE WIDE GROUNDS)
5.2 (3MM WIPE WIDE GROUNDS)

5.2 (3MM SMALL END GROUNDS)
5.2 (3MM WIPE SIGNALS)
4.2 (2MM WIPE SIGNALS)

(SEE P/N TREE FOR ALL COMBINATIONS AVAILABLE)

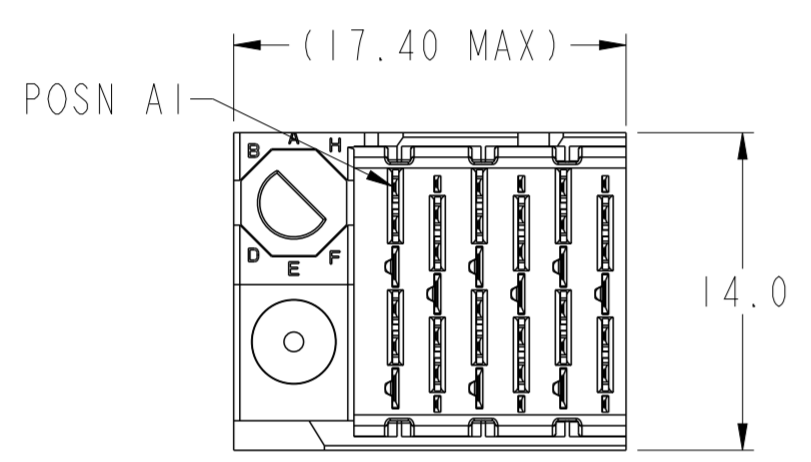
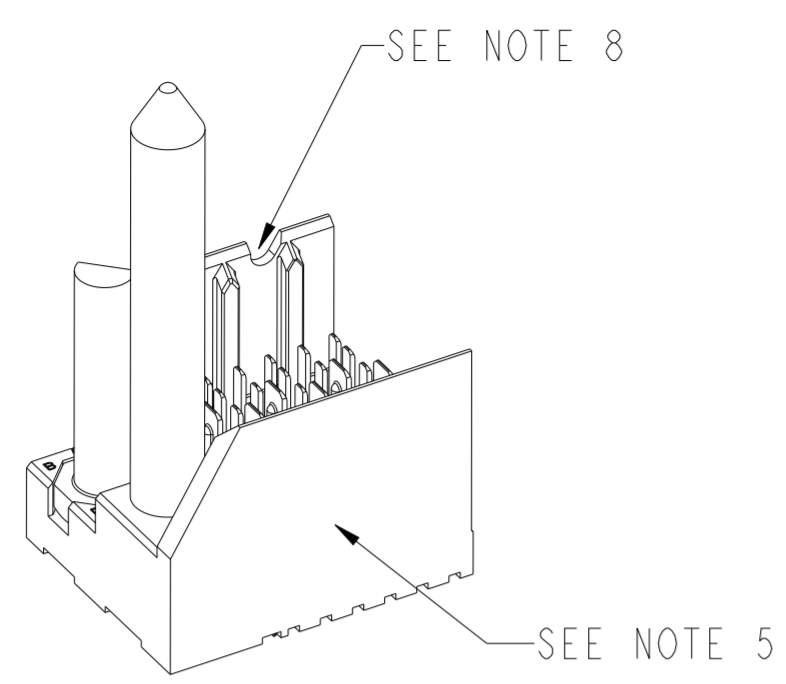


2.64±0.10 FROM STANDOFF SURFACE TO MATING SURFACE



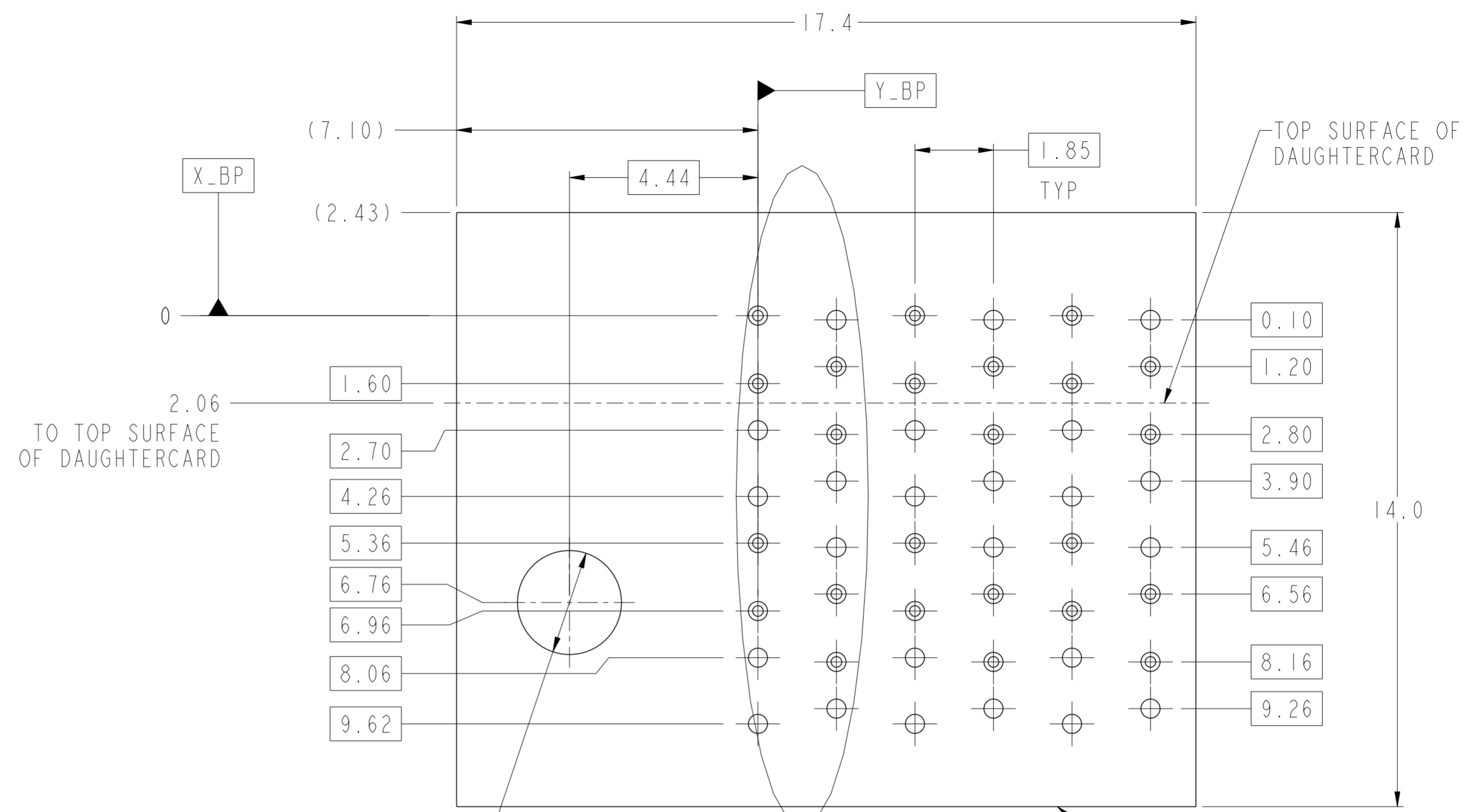
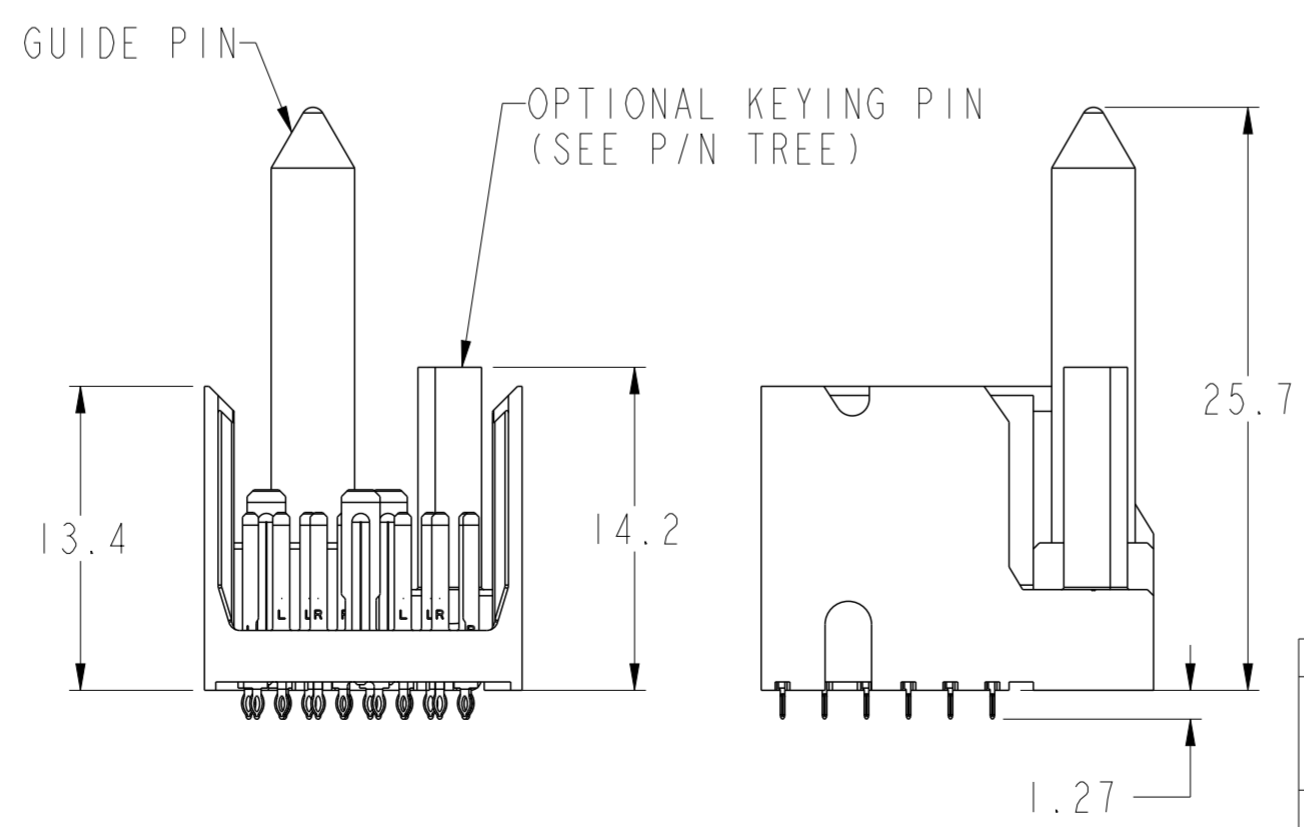
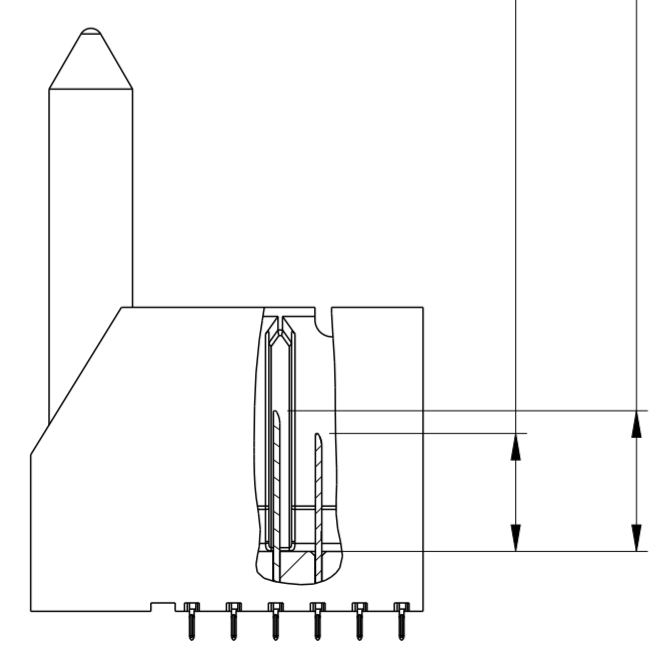
spec ref	SEE NOTES	dr	Kok-Hoe Lee	2010/06/28	projection	MM	size	A2	scale	3:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Michael Song	2016/06/03			ecn no	ELX-DG-24191-1	rel level	Released	
ASME Y14.5		chr	Heaven Cen	2016/06/08							
		appr	Pai-Ming Zheng	2016/06/15							
surface	linear	0.X	±0.2	Amphenol FCI		MODULE ASSEMBLY VERTICAL HEADER, 6-COLUMN, 2-PAIR		cat. no.	SEE P/N TREE	Product - Customer Drw	sheet 2 of 8
		0.XX	±0.10								
		0.XXX	±0.050								
ASME Y14.5	angular	0°	±°	title		dwg no		rev			

LEFT POLARIZING/GUIDE MODULE



SCALE 3:1

- 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 FOR ALL COMBINATIONS AVAILABLE)



\varnothing 0.10	X_BP	Y_BP
--------------------	------	------

SEE NOTE 11 & TABLE 1

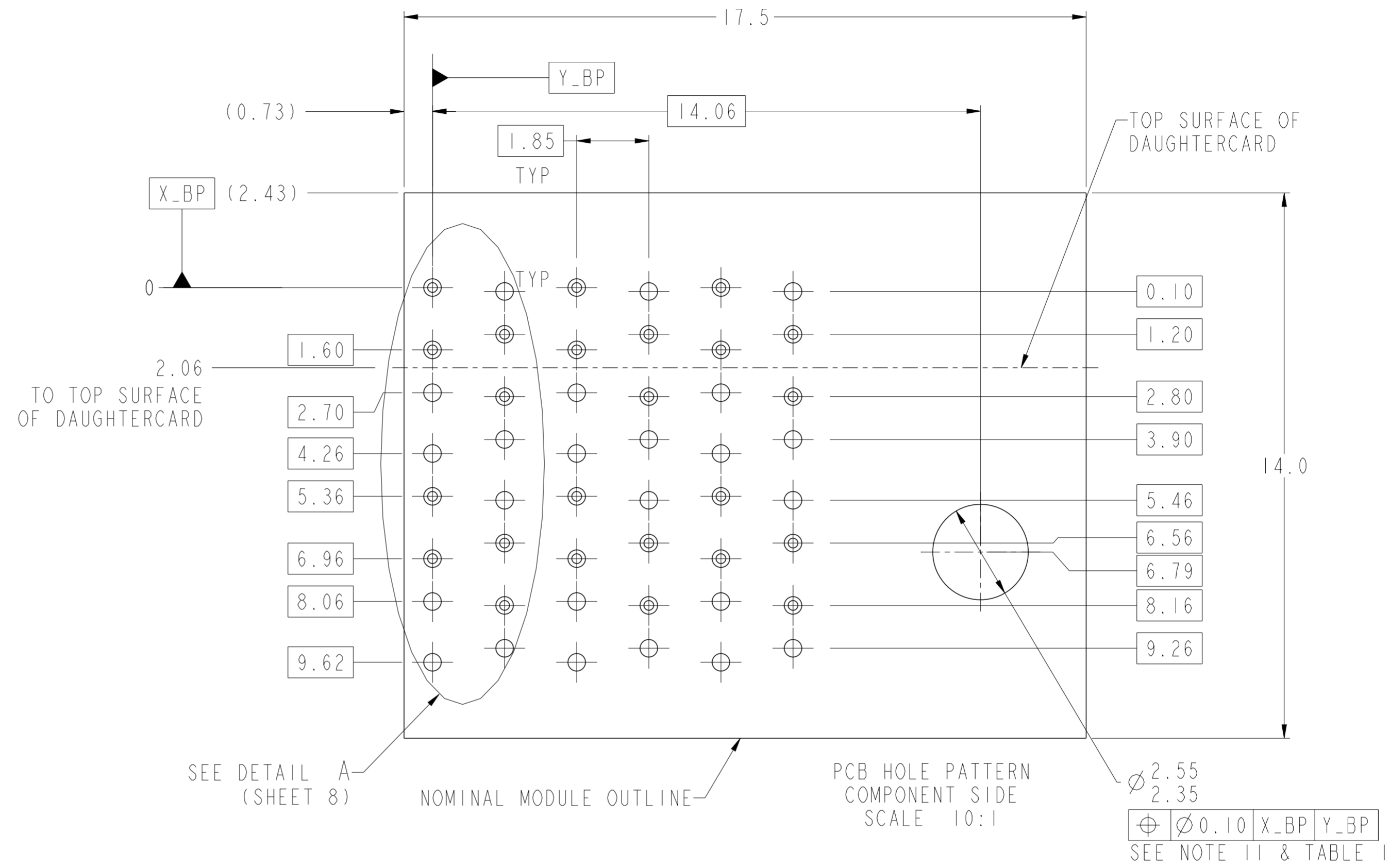
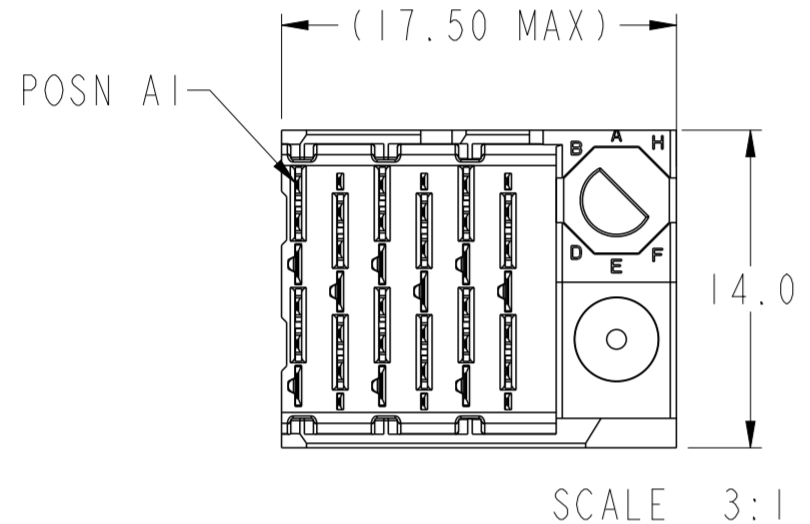
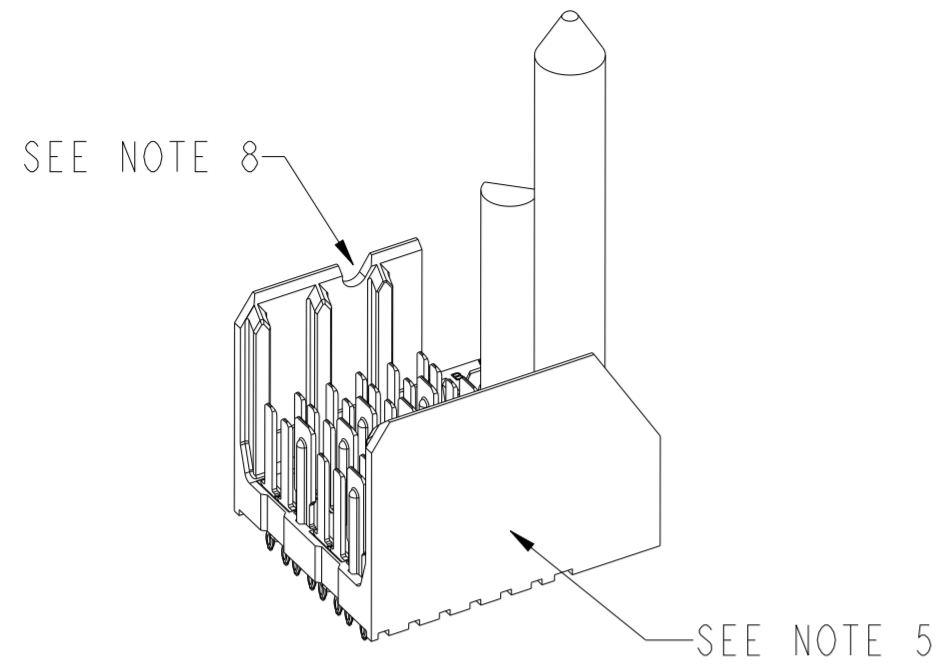
PCB HOLE PATTERN COMPONENT SIDE SCALE 10:1
NOMINAL MODULE OUTLINE

spec ref	SEE NOTES	dr	Kok-Hoe Lee	2010/06/28	projection	MM	size	A2	scale	3:1				
tolerance std	ASME Y14.5	eng	Michael Song	2016/06/03			ecn no	ELX-DG-24191-1						
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Heaven Cen	2016/06/08				rel level	Released					
surface	linear	0.X	±0.2		product family	-	-	-	-	-				
ASME Y14.5	angular	0.XX	±0.10								Amphenol FCI	MODULE ASSEMBLY VERTICAL HEADER, 6-COLUMN, 2-PAIR	Product - Customer Drw	sheet 3 of 8
		0.XXX	±0.050											

Amphenol FCI

© 2016 AFCI

RIGHT POLARIZING/GUIDE MODULE

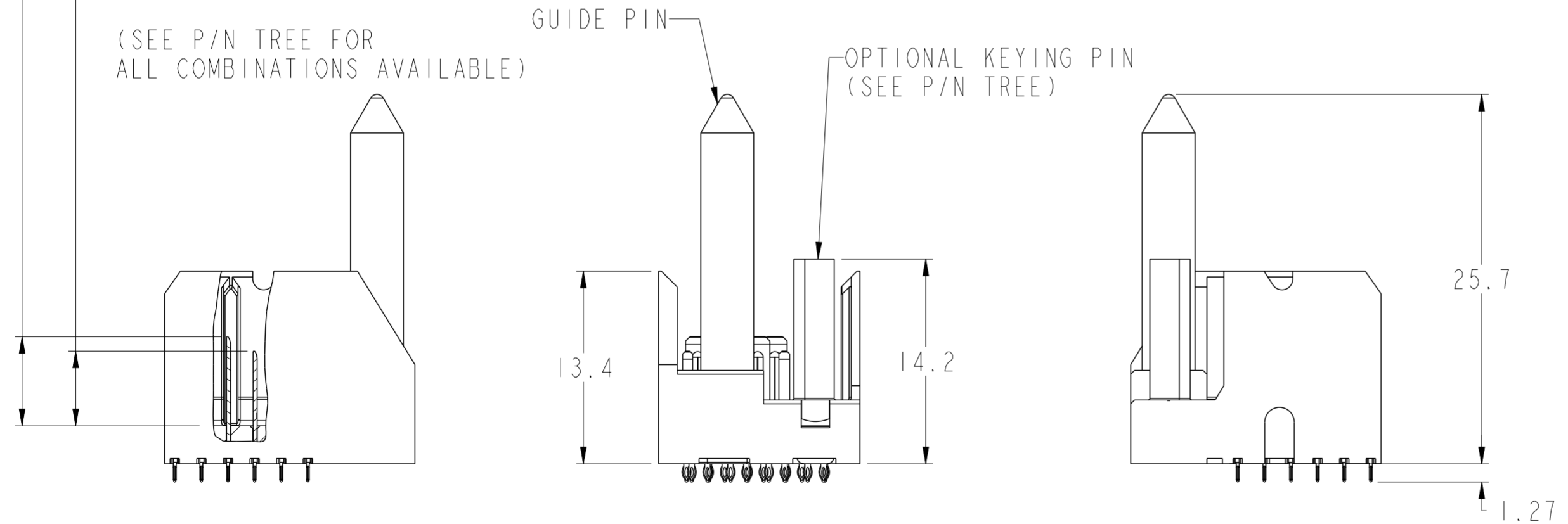


Amphenol FCI

© 2016 AFCI

- 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)

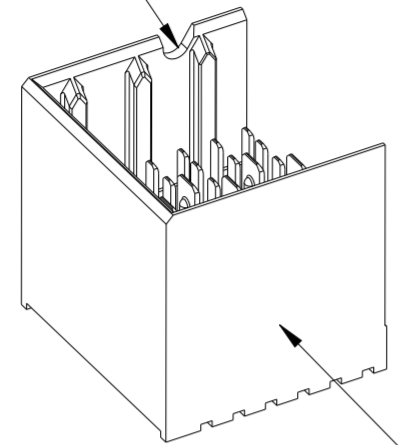
(SEE P/N TREE FOR ALL COMBINATIONS AVAILABLE)



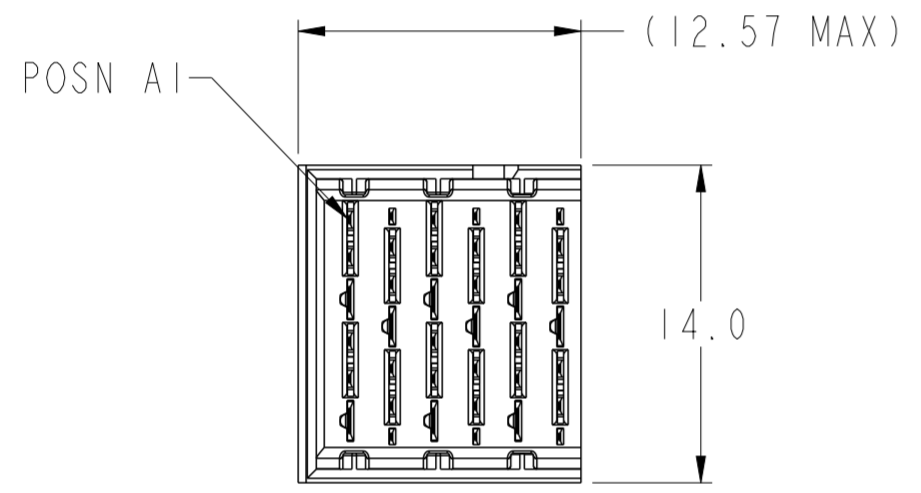
spec ref	SEE NOTES	dr	Kok-Hoe Lee	2010/06/28	projection	MM	size	A2	scale	3:1	
tolerance std	ASME Y14.5	eng	Michael Song	2016/06/03			ecn no	ELX-DG-24191-1			
TOLERANCES UNLESS OTHERWISE SPECIFIED linear: 0.X ±0.2, 0.XX ±0.10, 0.XXX ±0.050 angular: 0° ±°		chr	Heaven Cen	2016/06/08			rel level	Released			
		appr	Pai-Ming Zheng	2016/06/15			product family				
surface: linear, angular ASME Y14.5		Amphenol FCI			TITLE: MODULE ASSEMBLY VERTICAL HEADER, 6-COLUMN, 2-PAIR			dwg no: 10113947	rev: G		
		cat. no.: SEE P/N TREE			Product - Customer Draw			sheet 4 of 8			

LEFT WALL MODULE

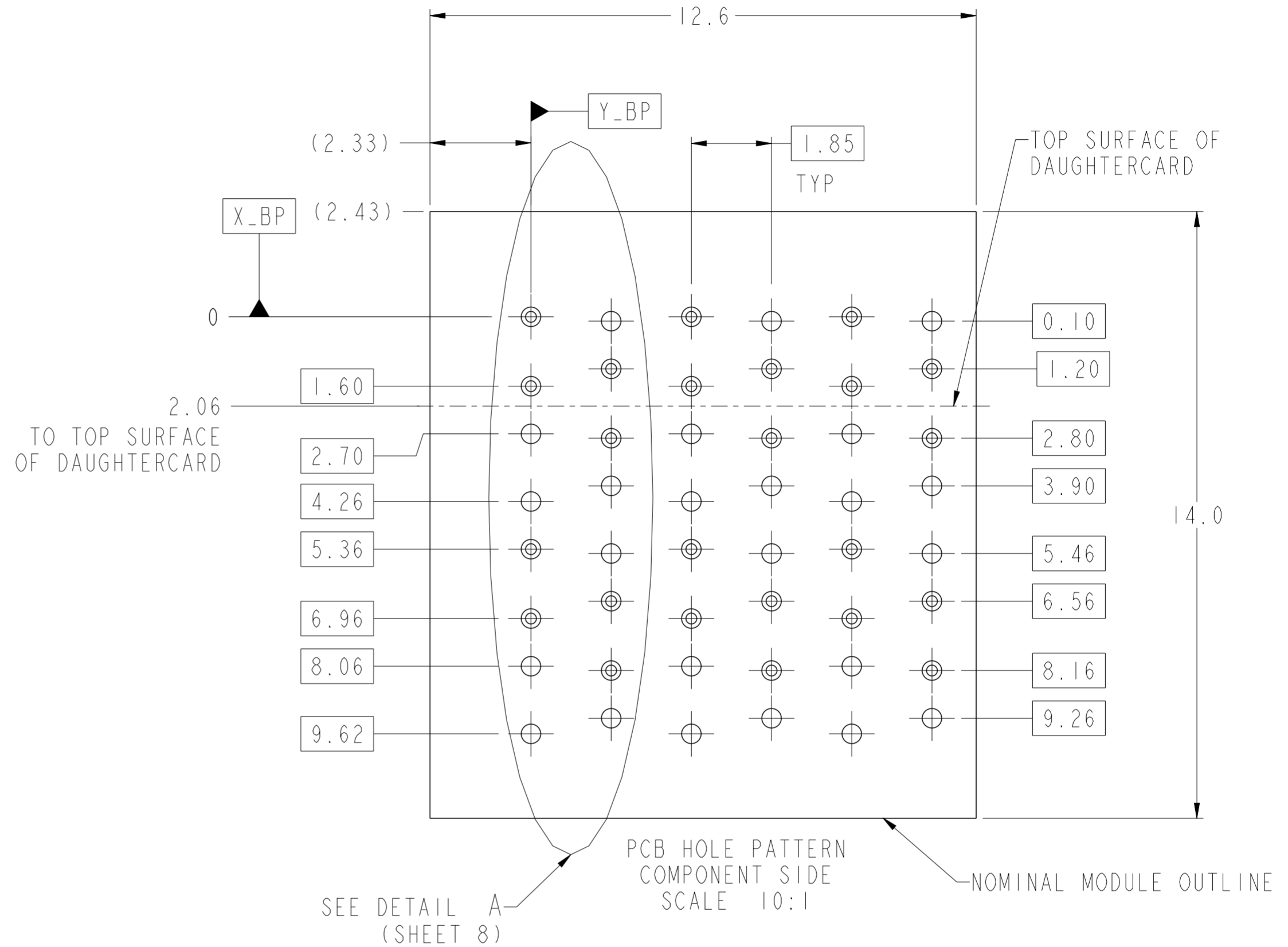
SEE NOTE 8



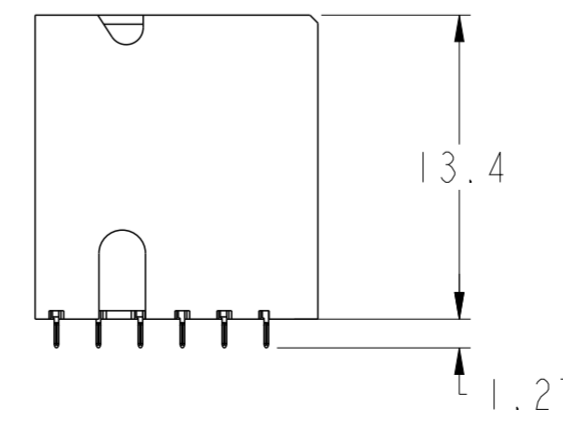
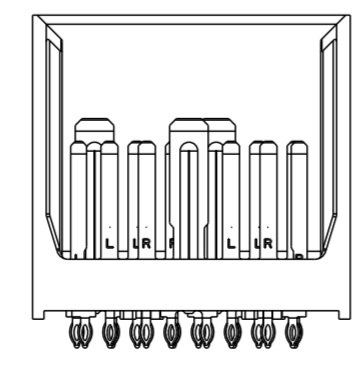
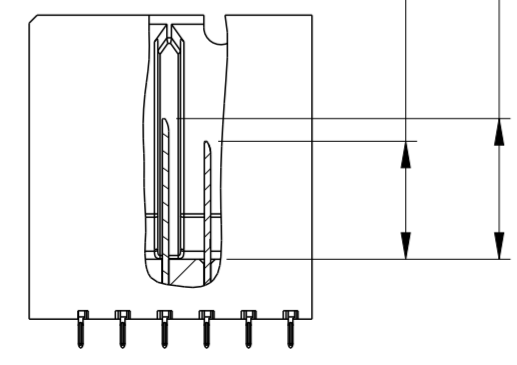
SEE NOTE 5



SCALE 3:1



- 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 FOR ALL COMBINATIONS AVAILABLE)



spec ref	SEE NOTES	dr	Kok-Hoe Lee	2010/06/28	projection	MM	size	A2	scale	7:1
tolerance std	ASME Y14.5	eng	Michael Song	2016/06/03			ecn no	ELX-DG-24191-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED linear: 0.X ±0.2, 0.XX ±0.10, 0.XXX ±0.050 angular: 0° ±°		chr	Heaven Cen	2016/06/08			rel level	Released		
		appr	Pai-Ming Zheng	2016/06/15			product family			
surface	ASME Y14.5	Amphenol FCI			MODULE ASSEMBLY VERTICAL HEADER, 6-COLUMN, 2-PAIR			cat. no. SEE P/N TREE	Product - Customer Drw	sheet 5 of 8

PDS: Rev: G

STATUS: Released

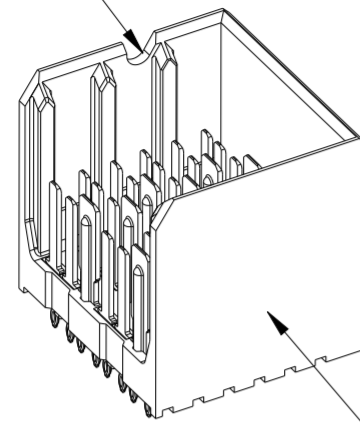
Printed: Jun 15, 2016

Amphenol FCI

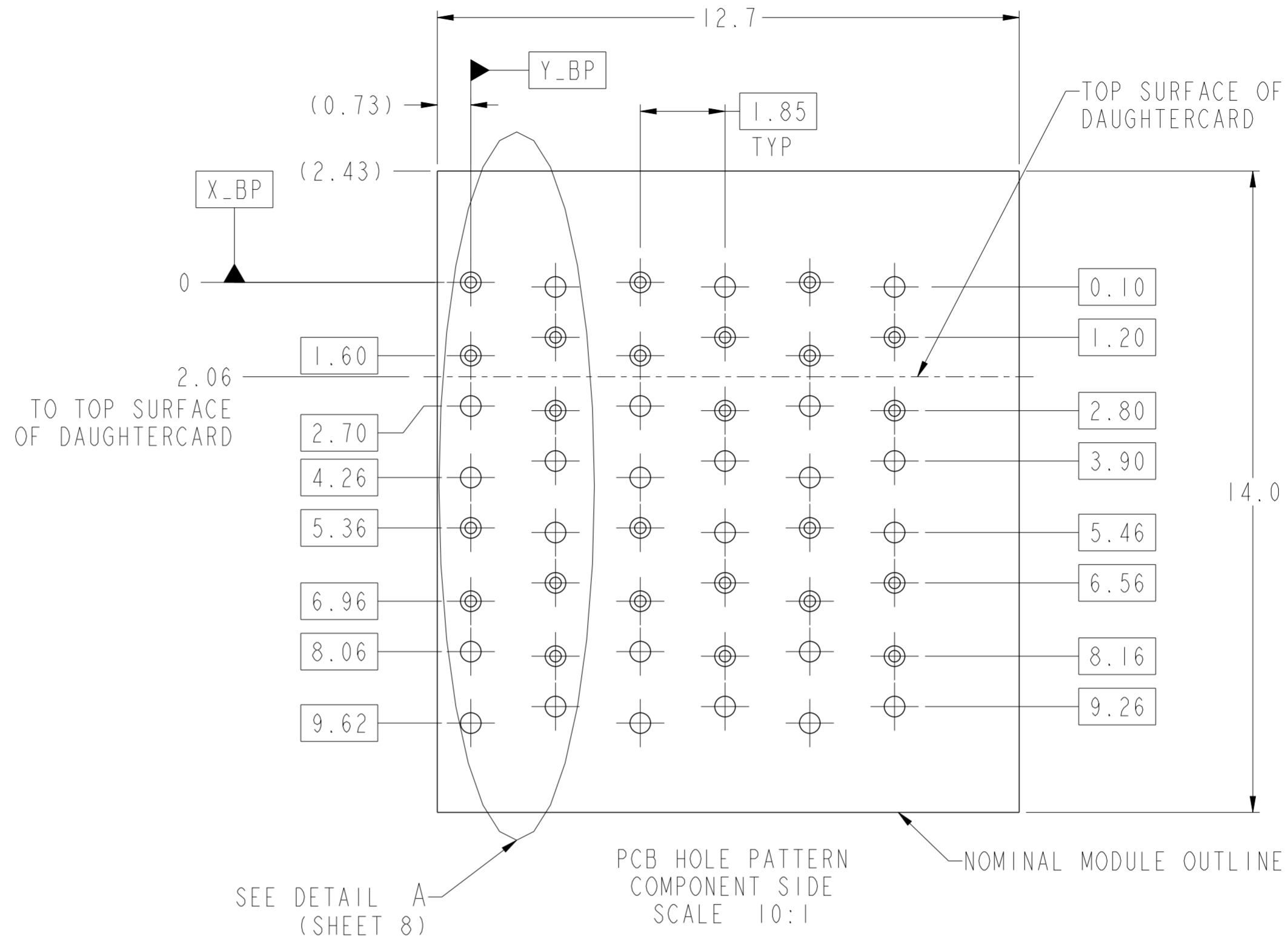
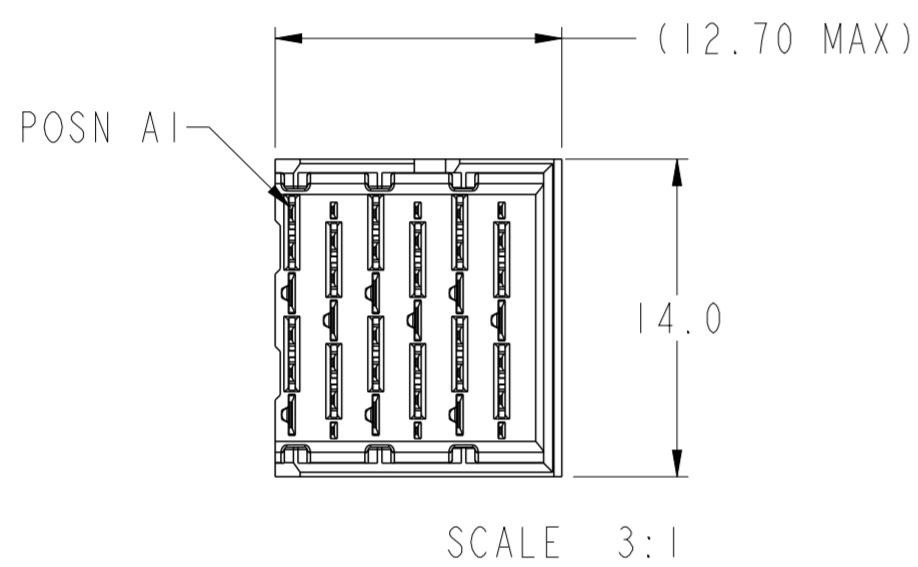
© 2016 AFCI

RIGHT WALL MODULE

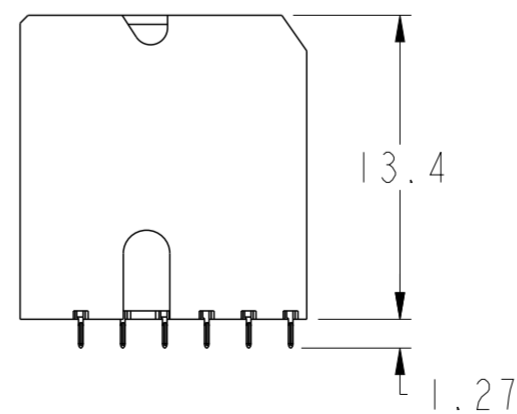
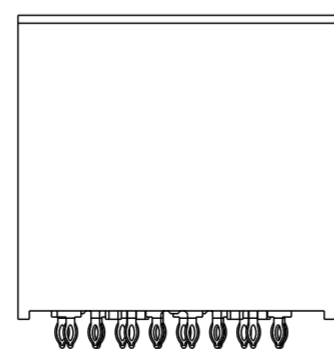
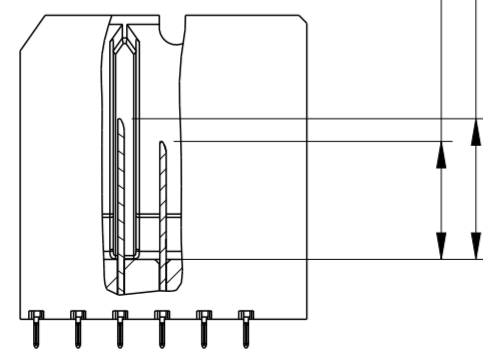
SEE NOTE 8



SEE NOTE 5



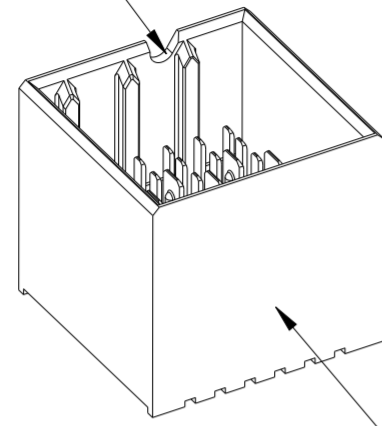
- 6.2 (4MM WIPE WIDE GROUNDS)
 - 5.2 (3MM WIPE WIDE GROUNDS)
 - 5.2 (3MM SMALL END GROUNDS)
 - 5.2 (3MM WIPE SIGNALS)
 - 4.2 (2MM WIPE SIGNALS)
- (SEE P/N TREE FOR ALL COMBINATIONS AVAILABLE)



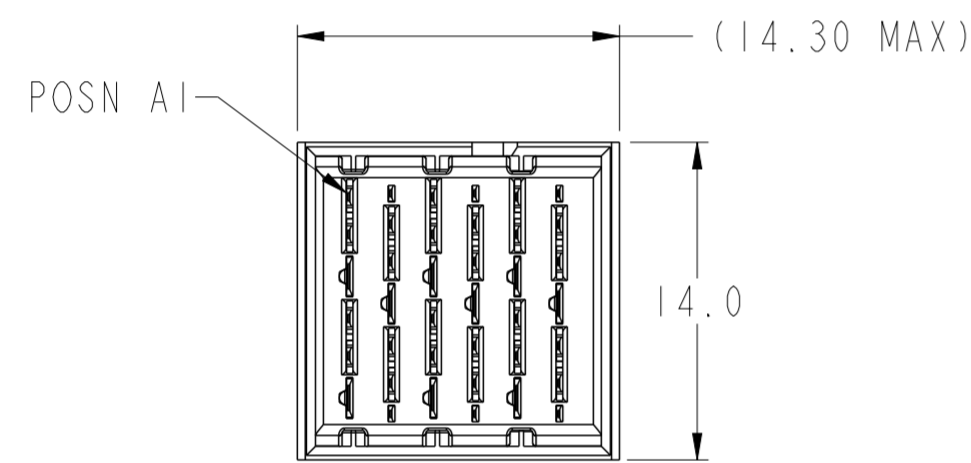
spec ref	SEE NOTES	dr	Kok-Hoe Lee	2010/06/28	projection	MM	size	A2	scale	7:1
tolerance std	ASME Y14.5	eng	Michael Song	2016/06/03			ecn no	ELX-DG-24191-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Heaven Cen	2016/06/08			rel level	Released		
		appr	Pai-Ming Zheng	2016/06/15			product family			
surface	linear	0.X	±0.2			MODULE ASSEMBLY VERTICAL HEADER, 6-COLUMN, 2-PAIR	cat. no.	SEE P/N TREE	Product - Customer Drw	sheet 6 of 8
		0.XX	±0.10				dwg no	10113947		
	angular	0°	±°				rev	G		

FOUR WALL MODULE

SEE NOTE 8



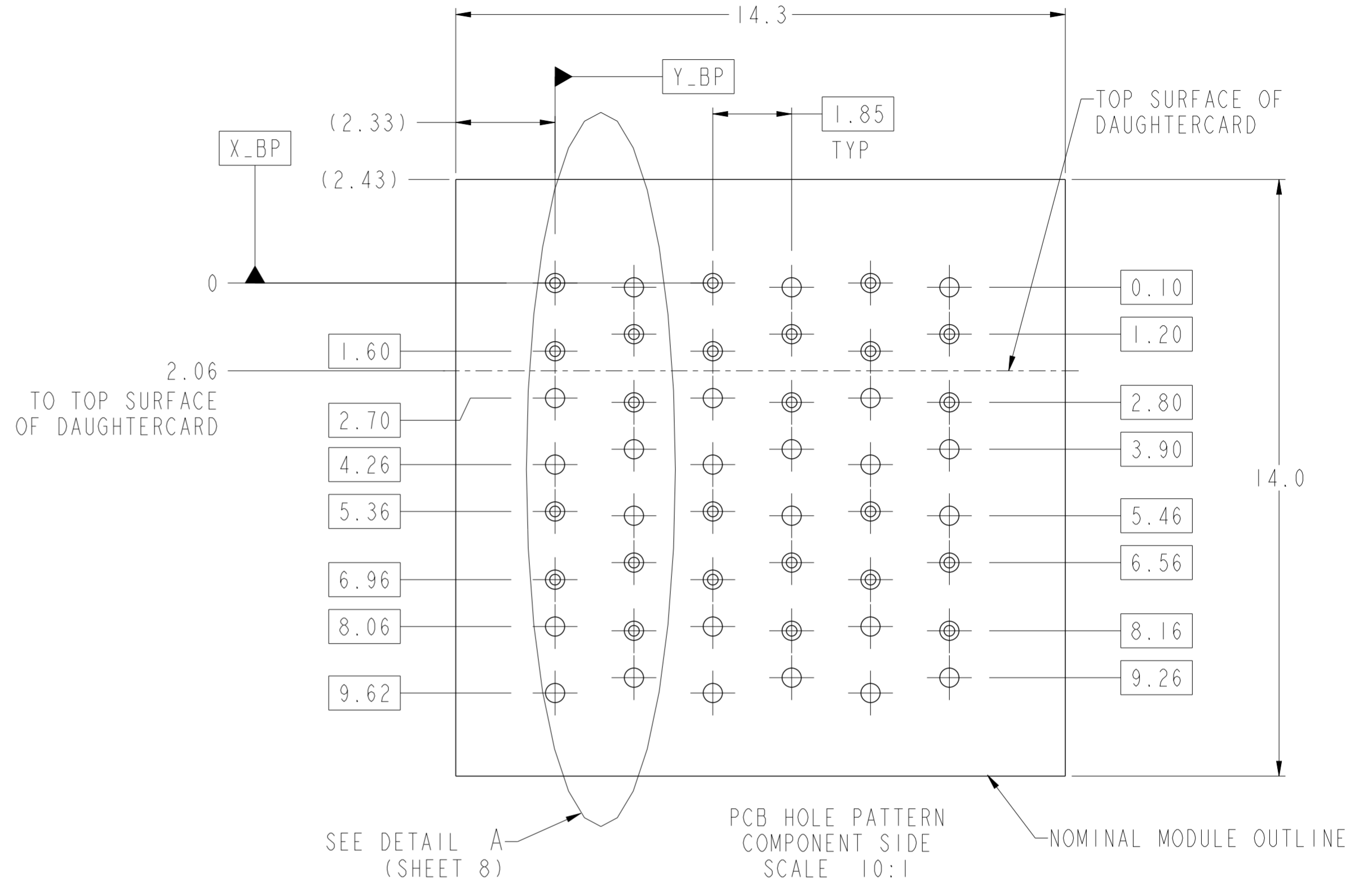
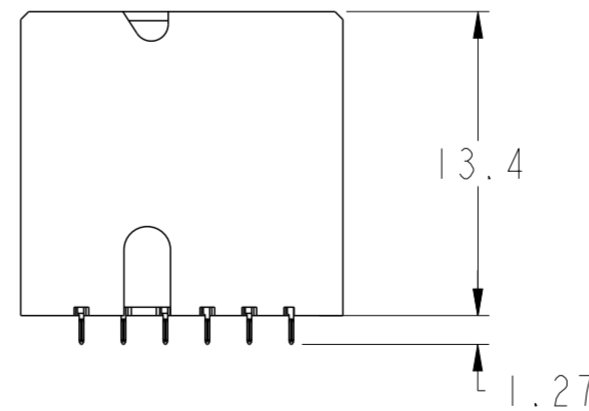
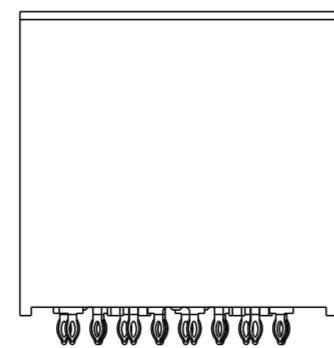
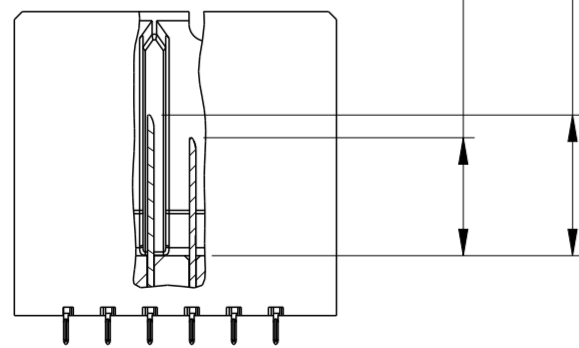
SEE NOTE 5



SCALE 3:1

- 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 FOR ALL COMBINATIONS AVAILABLE)



SEE DETAIL A (SHEET 8)

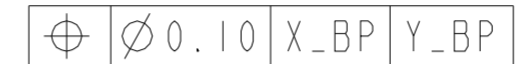
PCB HOLE PATTERN COMPONENT SIDE SCALE 10:1

NOMINAL MODULE OUTLINE

spec ref	SEE NOTES	dr	Kok-Hoe Lee	2010/06/28	projection	MM	size	A2	scale	6:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Michael Song	2016/06/03			ecn no	ELX-DG-24191-1	rel level	Released
ASME Y14.5		chr	Heaven Cen	2016/06/08						
		appr	Pai-Ming Zheng	2016/06/15						
surface	linear	0.X	±0.2	Amphenol FCI		MODULE ASSEMBLY VERTICAL HEADER, 6-COLUMN, 2-PAIR		drwg no 10113947	rev G	
		0.XX	±0.10							
		0.XXX	±0.050							
ASME Y14.5	angular	0°	±°	cat. no.	SEE P/N TREE	Product - Customer Drw	sheet 7 of 8			

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

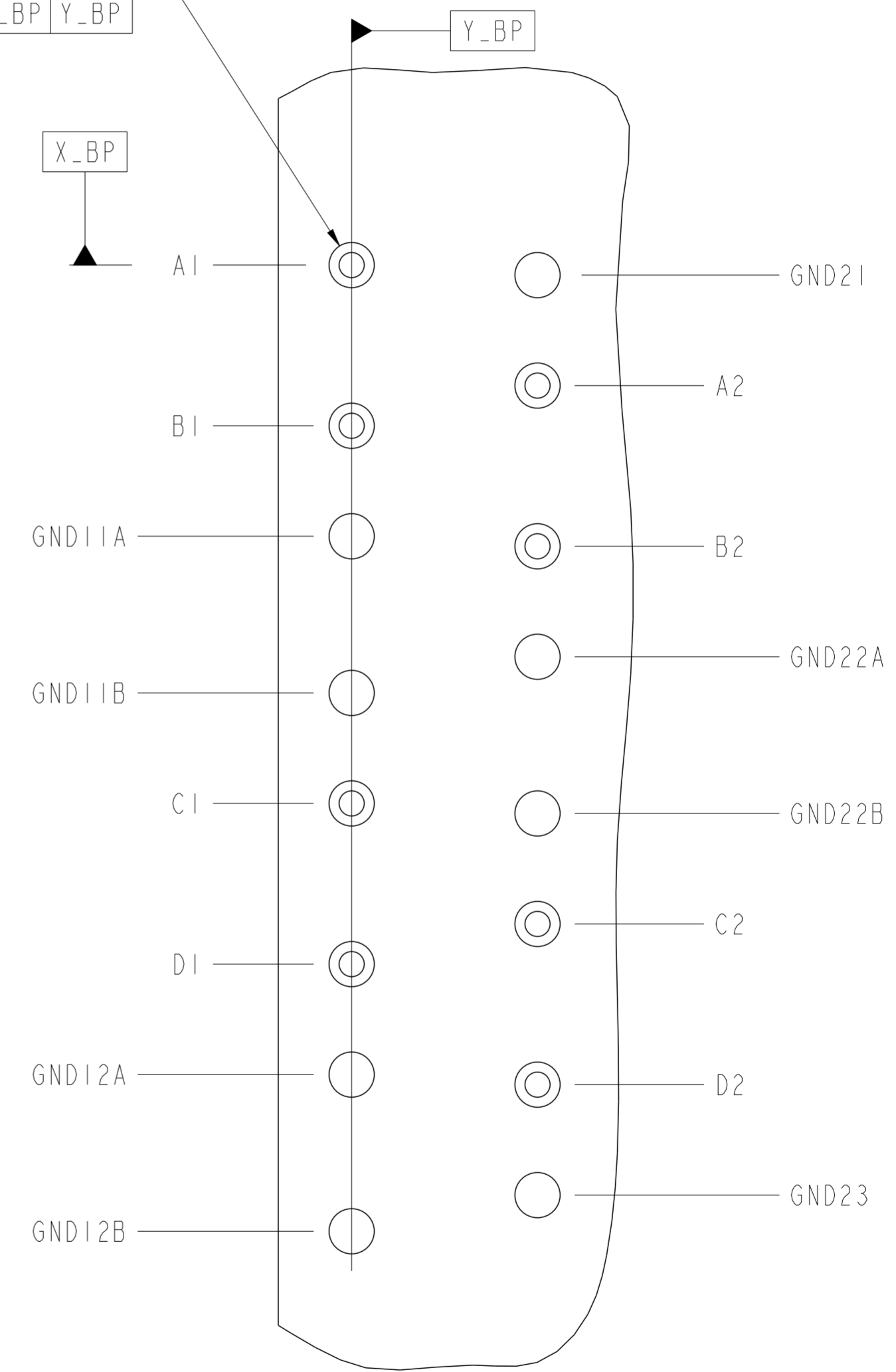
REFER TO TABLE 3 FOR PTH, DRILL & PAD SIZES



- 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 TELCORDIA GR-1217-CORE (NOVEMBER 1995) CENTRAL OFFICE TEST (CO) OR UNCONTROLLED ENVIRONMENT TEST SEQUENCE AS NOTED IN P/N TREE.

PRESS-FIT TAILS: TIN OVER NICKEL, OR TIN-LEAD ALLOY OVER NICKEL. 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.



DETAIL A
SCALE 20:1

spec ref	SEE NOTES	dr	Kok-Hoe Lee	2010/06/28	projection	MM	size	A2	scale	3:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Michael Song	2016/06/03			ecn no	ELX-DG-24191-1	rel level Released		
ASME Y14.5		chr	Heaven Cen	2016/06/08							
		appr	Pai-Ming Zheng	2016/06/15							
surface	linear	0.X	±0.2	Amphenol FCI		MODULE ASSEMBLY VERTICAL HEADER, 6-COLUMN, 2-PAIR		cat. no.	10113947	rev	G
		0.XX	±0.10					SEE P/N TREE	Product - Customer Drw	sheet 8 of 8	
ASME Y14.5	angular	0°	±°								

Amphenol FCI

© 2016 AFCI