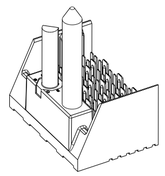
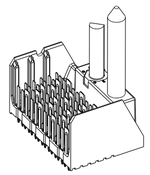
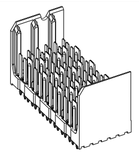
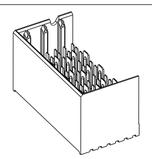
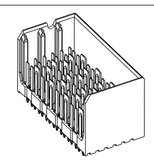
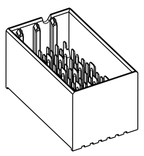
10091767 - X 0 C - X X X L F

- 6-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	∅0.55 [0.0217"]
2	3	4	∅0.55 [0.0217"]
3	2	4	∅0.45 [0.0177"]
4	3	4	∅0.45 [0.0177"]
5	2	3	∅0.55 [0.0217"]
6	3	3	∅0.55 [0.0217"]
7	2	3	∅0.45 [0.0177"]
8	3	3	∅0.45 [0.0177"]

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

	GROUNDED	UNGROUNDED
FINISHED	∅2.35-2.55	∅2.35-2.55
PAD	∅5.50	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

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spec ref: SEE NOTES
tolerance std: ASME Y14.5
TOLERANCES UNLESS OTHERWISE SPECIFIED
surface: - ASME Y14.5

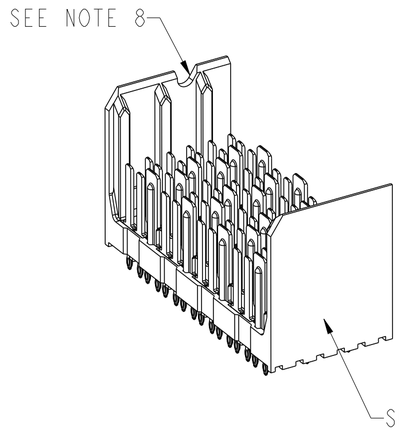
linear	0.X	±0.2
	0.XX	±0.10
	0.XXX	±0.050
angular	0°	±°

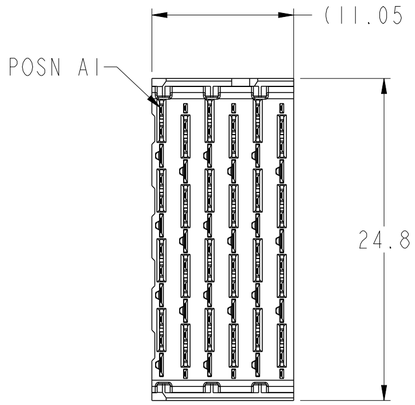
dr	Jim Swain	2009/03/03
eng	Michael Song	2016/06/01
chr	Heaven Cen	2016/06/08
appr	Pei-Ming Zheng	2016/06/15

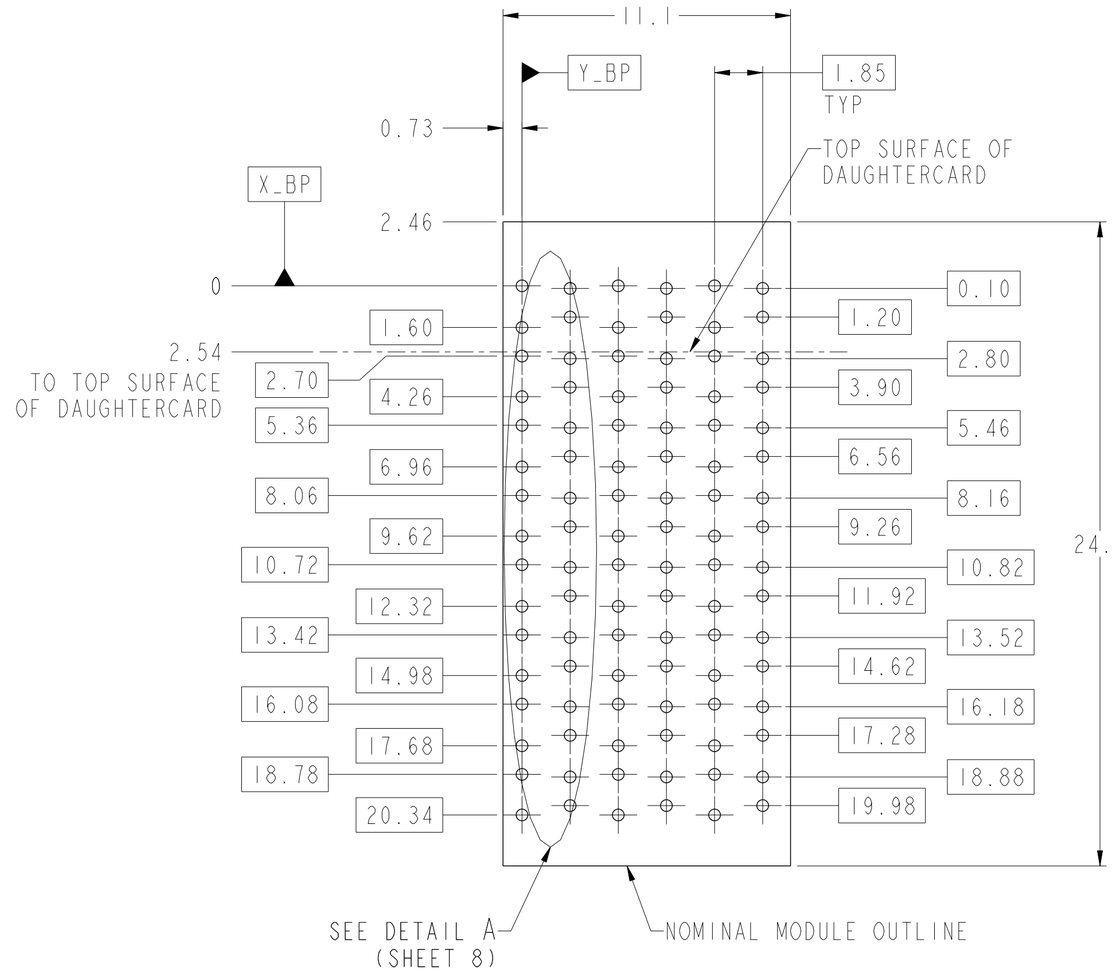
projection: MM
size: A2
scale: 4:1
ecn no: ELX-DG-24191-1
product family: XCede
rel level: Released

Amphenol FCI
title: MODULE ASSEMBLY
VERTICAL HEADER, 6-COLUMN, 4-PAIR
dwg no: 10091767
rev: G
cat. no.: SEE P/N TREE
Product - Customer Drw
sheet 1 of 8

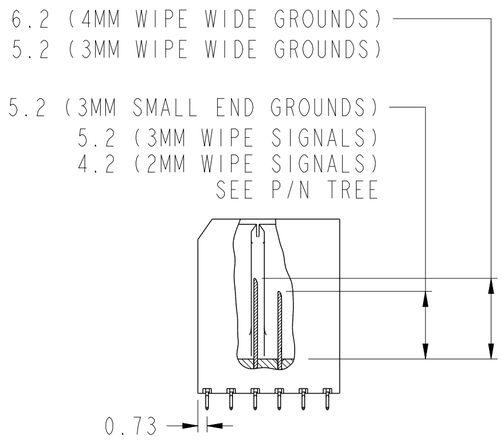
OPEN (2-WALL) MODULE

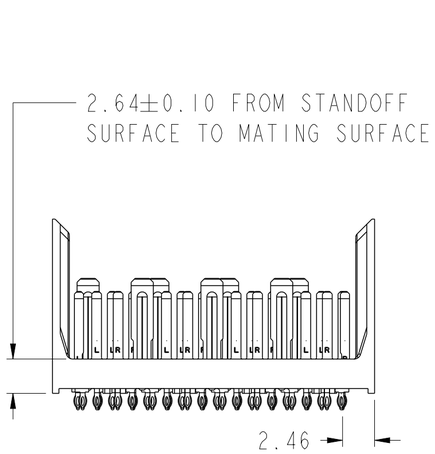


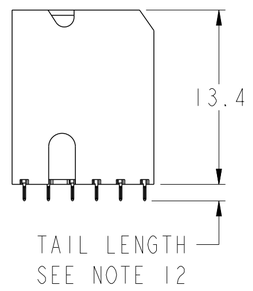




PCB HOLE PATTERN
COMPONENT SIDE
SCALE 6:1







spec ref	SEE NOTES		dr	Jim Swain	2009/03/03	projection	MM
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Michael Song	2016/06/01		
			chr	Heaven Cen	2016/06/08		
			appr	Pei-Ming Zheng	2016/06/15		
surface ~ ASME Y14.5	linear	0.X ±0.2	Amphenol FCi	title	MODULE ASSEMBLY	size A2	scale 3:1
		0.XX ±0.10			VERTICAL HEADER, 6-COLUMN, 4-PAIR	ecn no ELX-DG-24191-1	
		0.XXX ±0.050				product family XCede	rel level Released
	angular	0° ±°		cat. no.	SEE P/N TREE	dwg no 10091767	rev G
				Product - Customer Drw		sheet 2 of 8	

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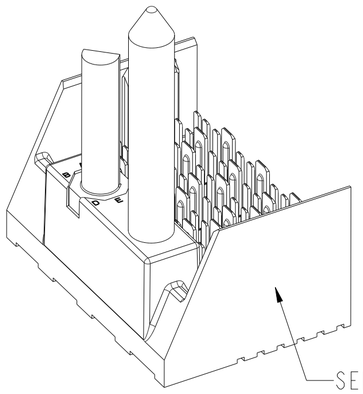
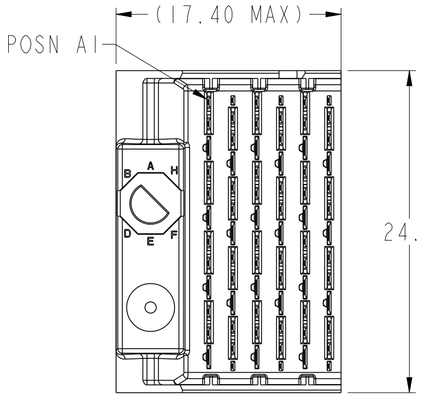
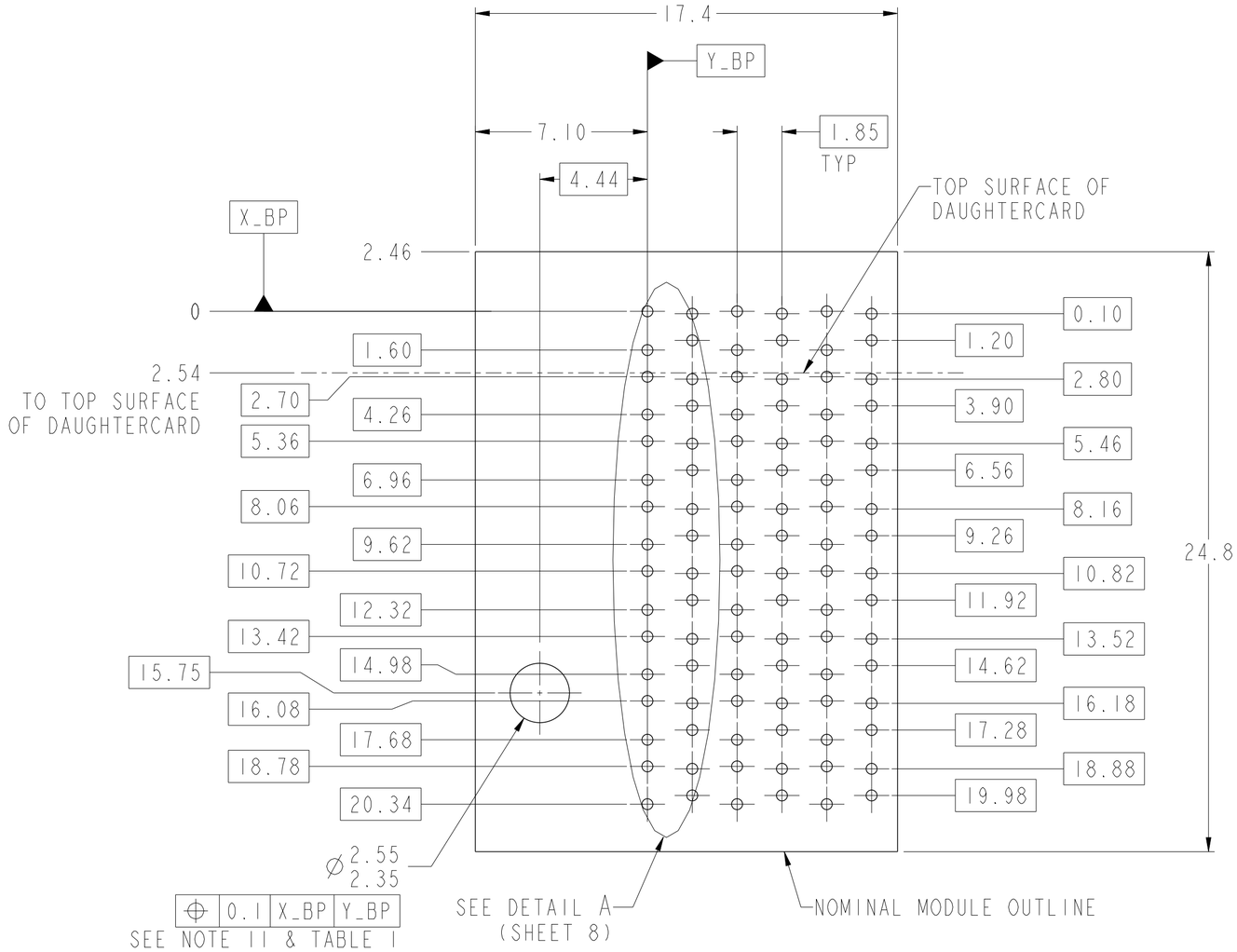
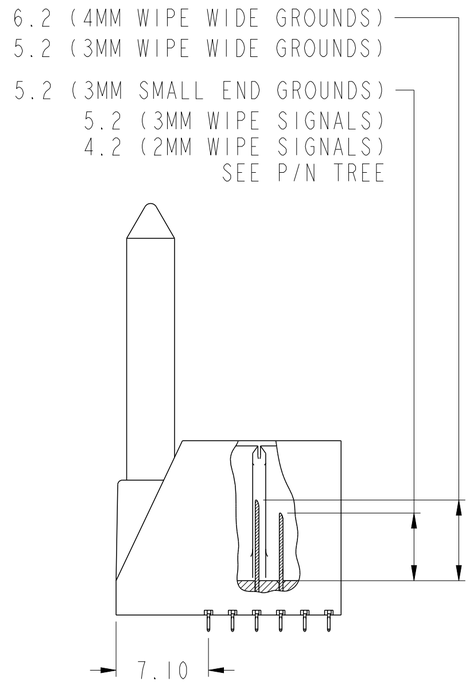
LEFT POLARIZING/GUIDE MODULE

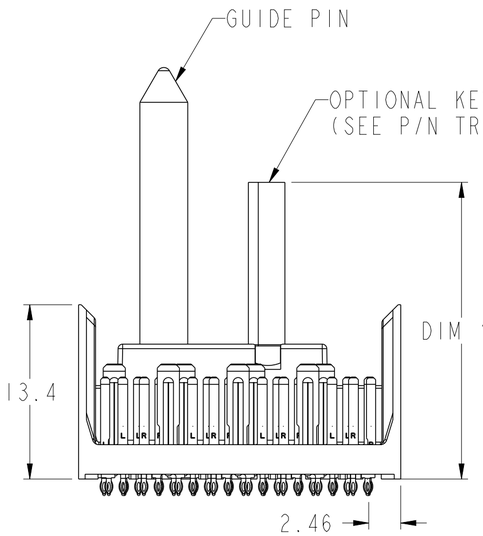


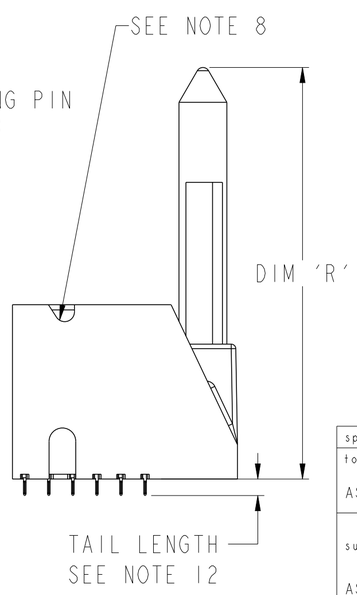




PCB HOLE PATTERN
COMPONENT SIDE
SCALE 6:1







ASSEMBLY BASE CONFIGURATION END DASH NO.	GUIDE PIN	POLARIZING KEY
	DIM 'R'	DIM 'S'
-X**0**X	31.6mm	22.8mm
-X**4**X	25.7mm	20.0mm

spec ref	SEE NOTES		dr	Jim Swain	2009/03/03	projection	MM	size A2 / scale 3:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Michael Song	2016/06/01			ecn no ELX-DG-24191-1
			chr	Heaven Cen	2016/06/08			
			appr	Pei-Ming Zheng	2016/06/15	product family XCede		rel level Released
surface - ASME Y14.5	linear	0.X ±0.2	Amphenol FCi	title: MODULE ASSEMBLY VERTICAL HEADER, 6-COLUMN, 4-PAIR			dwg no 10091767	rev G
		0.XX ±0.10						
		0.XXX ±0.050						
	angular	0° ±°		cat. no. SEE P/N TREE	Product - Customer Drw			sheet 3 of 8

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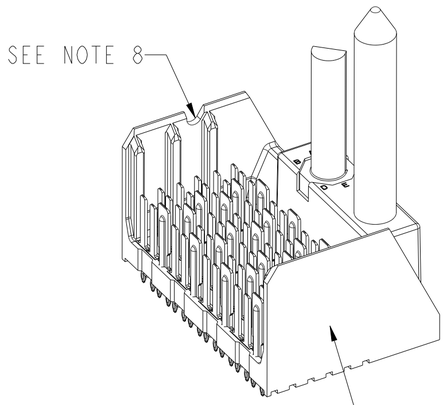
Creo File - REV E - 2016-02-12

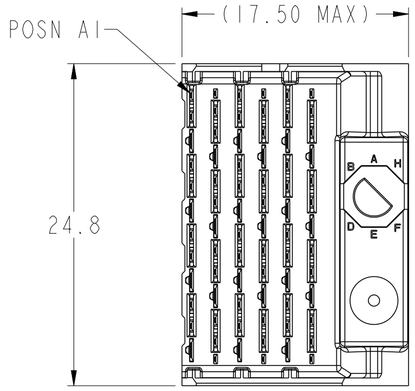
PDS: Rev :G

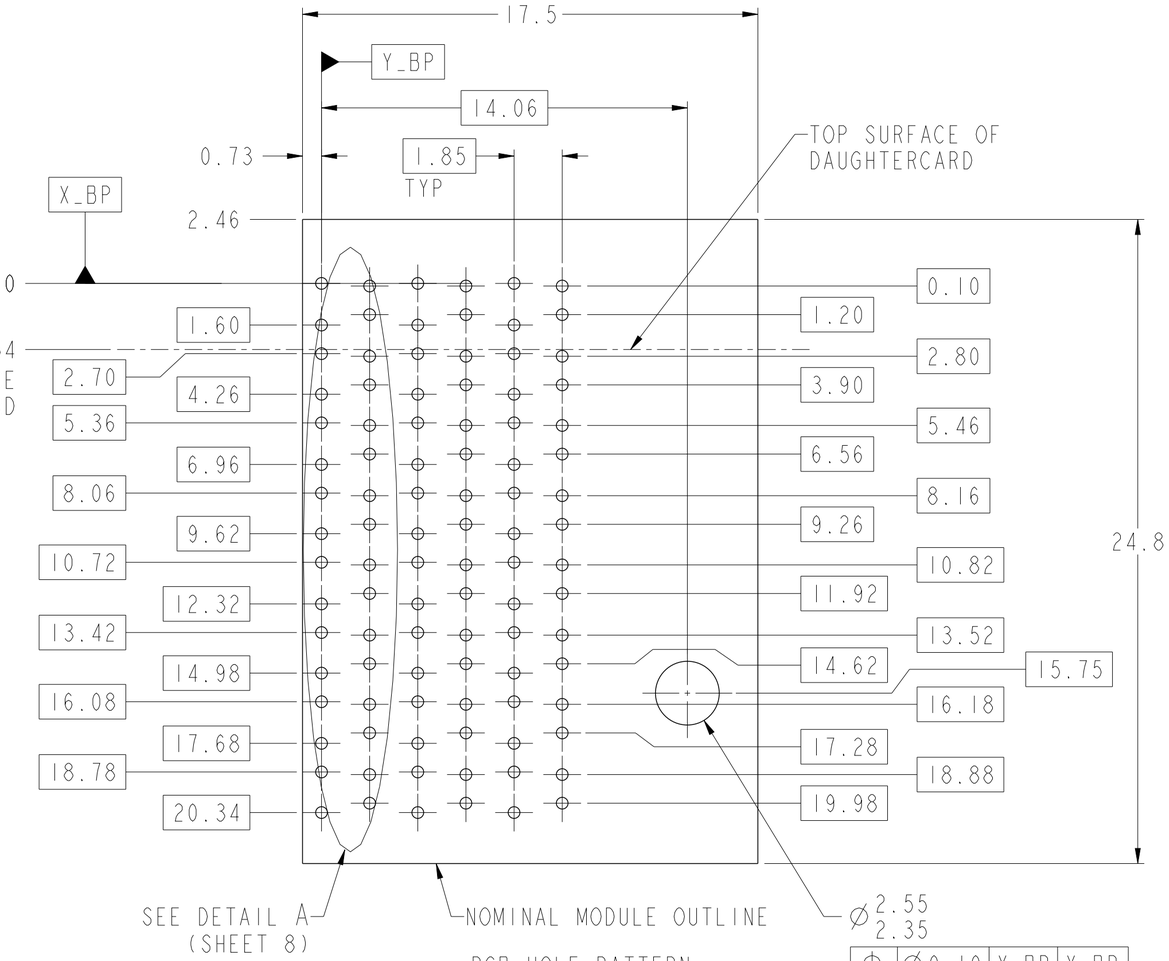
STATUS: Released

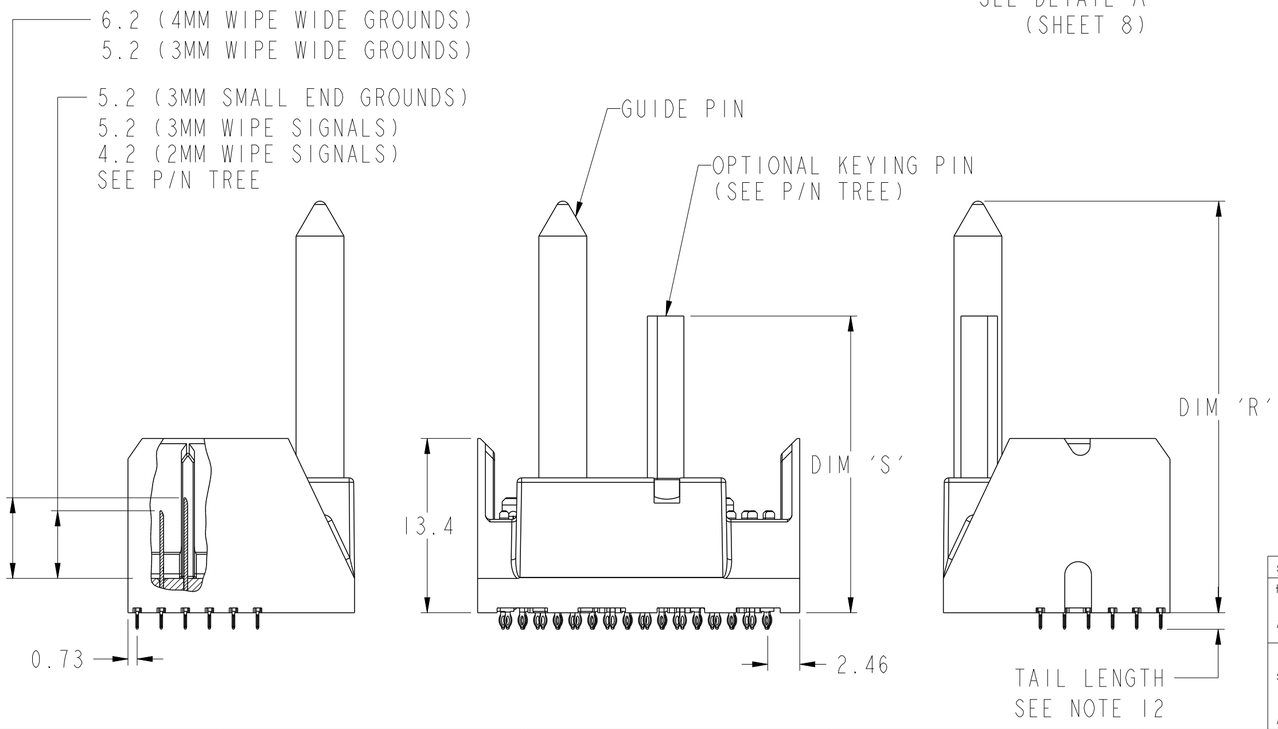
Printed: Jun 15, 2016

RIGHT POLARIZING/GUIDE MODULE









ASSEMBLY BASE CONFIGURATION END DASH NO.	GUIDE PIN	POLARIZING KEY
	DIM 'R'	DIM 'S'
-X**0**X	31.6mm	22.8mm
-X**4**X	25.7mm	20.0mm

spec ref	SEE NOTES			dr	Jim Swain	2009/03/03	projection	MM
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2016/06/01		
				chr	Heaven Cen	2016/06/08	size A2	scale 3:1
				appr	Pei-Ming Zheng	2016/06/15	ecn no ELX-DG-24191-1	
surface ASME Y14.5	linear	0.X	±0.2	Amphenol FCi	title: MODULE ASSEMBLY VERTICAL HEADER, 6-COLUMN, 4-PAIR		product family XCede	rel level Released
		0.XX	±0.10				dwg no 10091767	rev G
		0.XXX	±0.050					
	angular	0°	± °		cat. no. SEE P/N TREE	Product - Customer Drw		sheet 4 of 8

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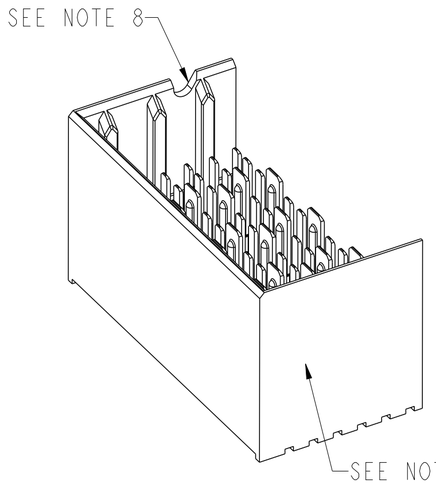
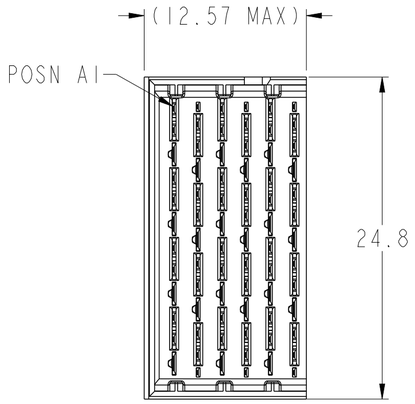
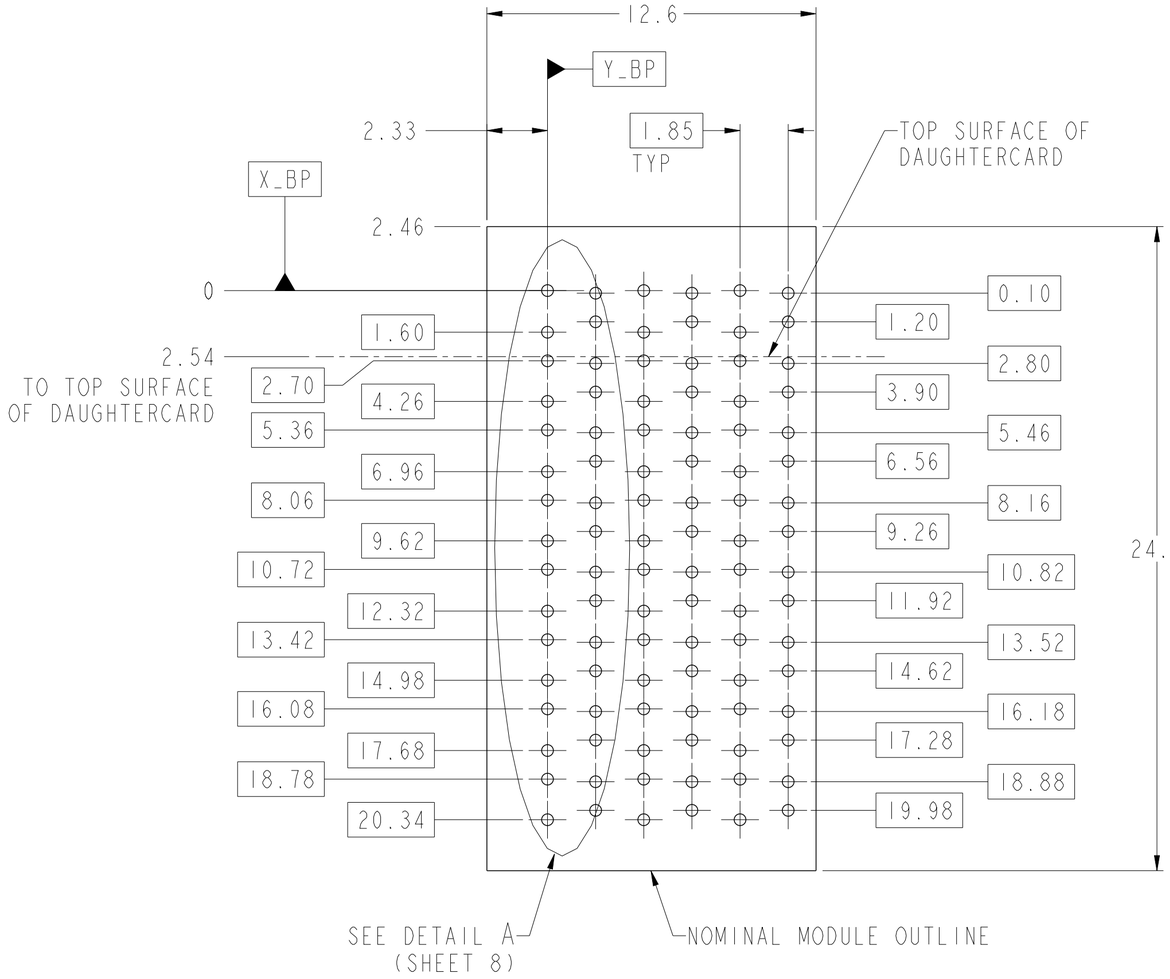
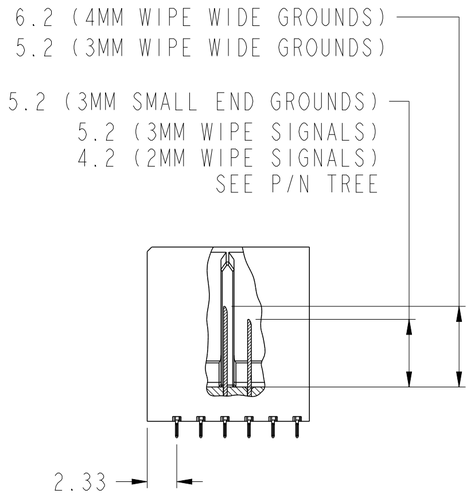
LEFT WALL MODULE

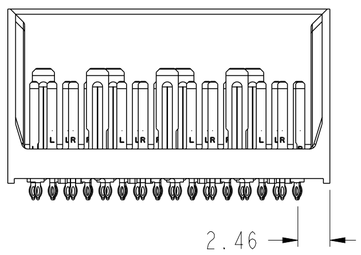


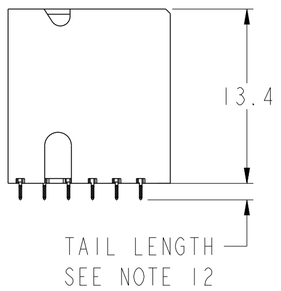




PCB HOLE PATTERN
COMPONENT SIDE
SCALE 6:1







spec ref	SEE NOTES			dr	Jim Swain	2009/03/03	projection	MM	size A2 / scale 3:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2016/06/01			ecn no ELX-DG-24191-1
				chr	Heaven Cen	2016/06/08			
				appr	Pei-Ming Zheng	2016/06/15	product family XCede		rel level Released
surface - ASME Y14.5	linear	0.X	±0.2	Amphenol FCi	title: MODULE ASSEMBLY VERTICAL HEADER, 6-COLUMN, 4-PAIR		dwg no 10091767		rev G
		0.XX	±0.10						
		0.XXX	±0.050						
	angular	0°	±°		cat. no. SEE P/N TREE	Product - Customer Drw			sheet 5 of 8

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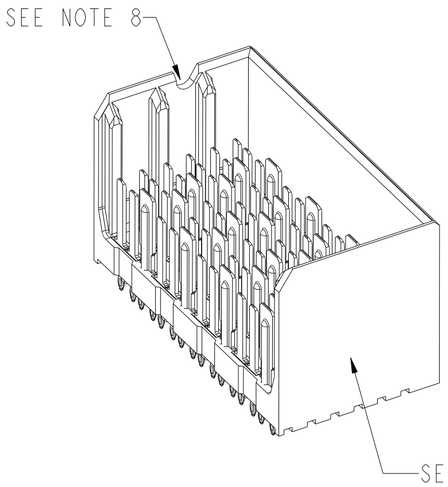
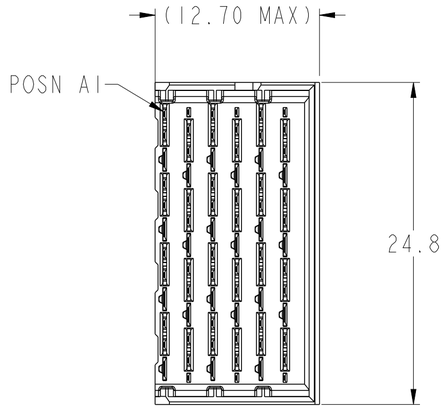
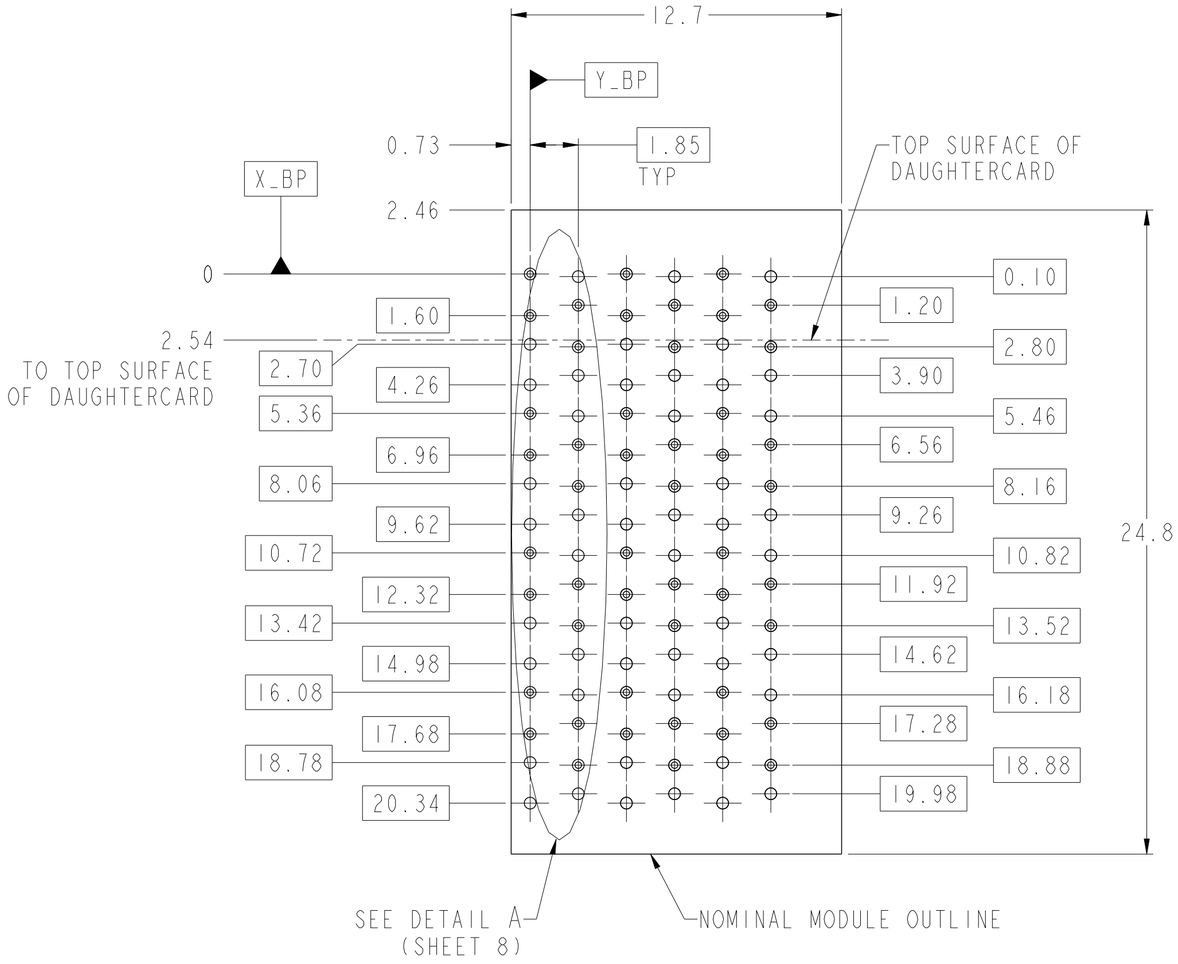
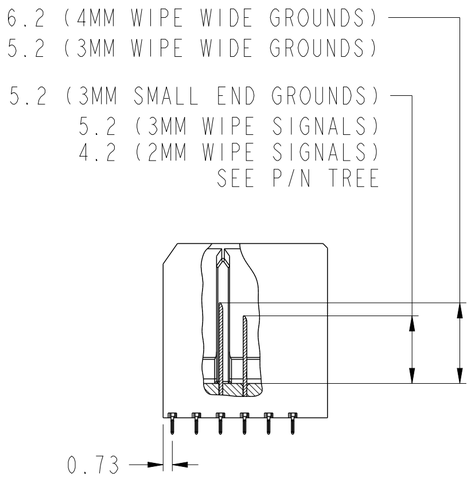
RIGHT WALL MODULE

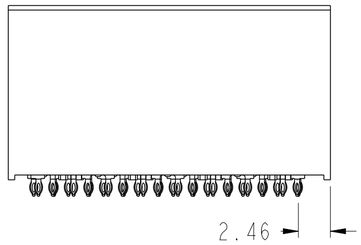


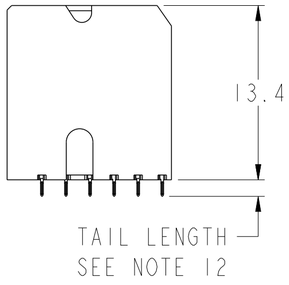




PCB HOLE PATTERN
COMPONENT SIDE
SCALE 6:1







spec ref	SEE NOTES			dr	Jim Swain	2009/03/03	projection: MM
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2016/06/01	size: A2
				chr	Heaven Cen	2016/06/08	scale: 3:1
				appr	Pei-Ming Zheng	2016/06/15	ecn no: ELX-DG-24191-1
							product family: XCede
							rel level: Released
surface ASME Y14.5	linear	0.X	±0.2	Amphenol FCi	title: MODULE ASSEMBLY		dwg no: 10091767
		0.XX	±0.10		VERTICAL HEADER, 6-COLUMN, 4-PAIR		rev: G
		0.XXX	±0.050				
	angular	0°	± °		cat. no. SEE P/N TREE	Product - Customer Drw	sheet 6 of 8

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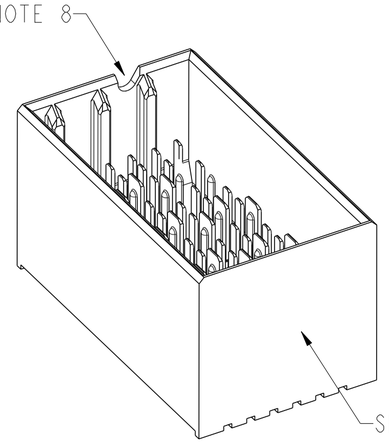
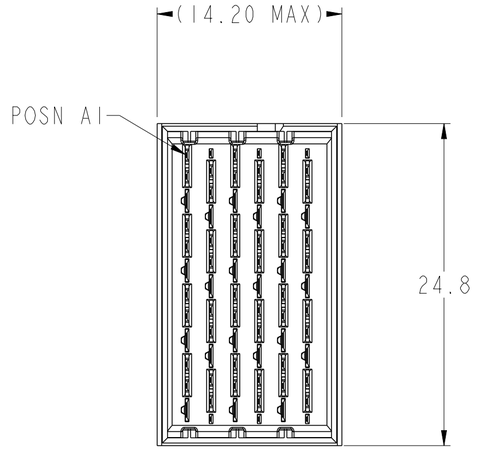
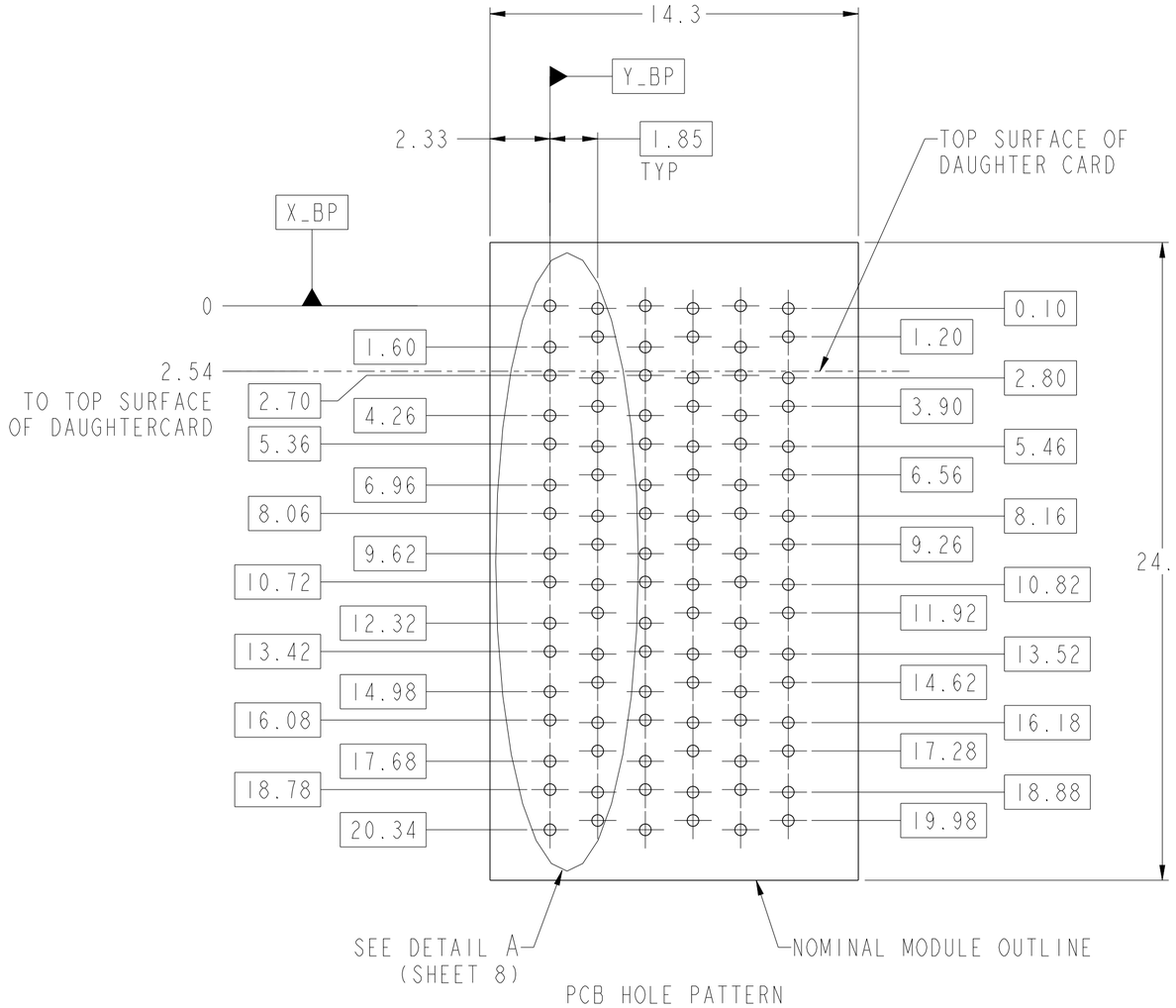
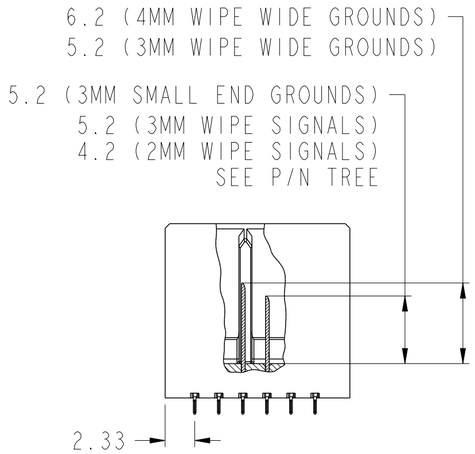
4-WALL MODULE

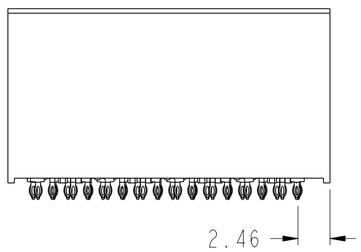


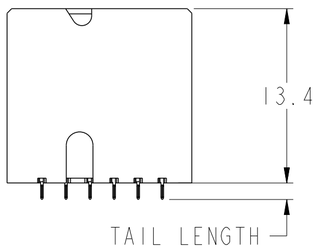




PCB HOLE PATTERN
COMPONENT SIDE
SCALE 6:1







spec ref	SEE NOTES			dr	Jim Swain	2009/03/03	projection	MM	size A2 / scale 4:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2016/06/01			
				chr	Heaven Cen	2016/06/08			ecn no ELX-DG-24191-1
				appr	Pei-Ming Zheng	2016/06/15	product family -		rel level Released
surface - ASME Y14.5	linear	0.X	±0.2	Amphenol FCi	title: MODULE ASSEMBLY, VERTICAL HEADER, 6-COLUMN, 4-PAIR		dwg no 10091767		rev G
		0.XX	±0.10						
		0.XXX	±0.050						
	angular	0°	±°		cat. no. -	Product - Customer Drw			sheet 7 of 8

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Amphenol FCi

Creo File - REV E - 2016-02-12

PDS: Rev :G | STATUS: Released | Printed: Jun 15, 2016

TABLE 3: PTH AND PAD SIZES WITH REFERENCE TO COMPLIANT PIN DRILL		
COMPLIANT PIN DRILL	PTH	PAD
∅0.55 [0.0217"]	∅0.45±0.05	∅0.85
∅0.45 [0.0177"]	∅0.36±0.05	∅0.75

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. APPLICATION SPECIFICATION: GS-20-121

(5.) PRODUCT MARKING (PART NUMBER AND LOT CODE) ON THESE SURFACES.

6. HOUSING MUST WITHSTAND 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.

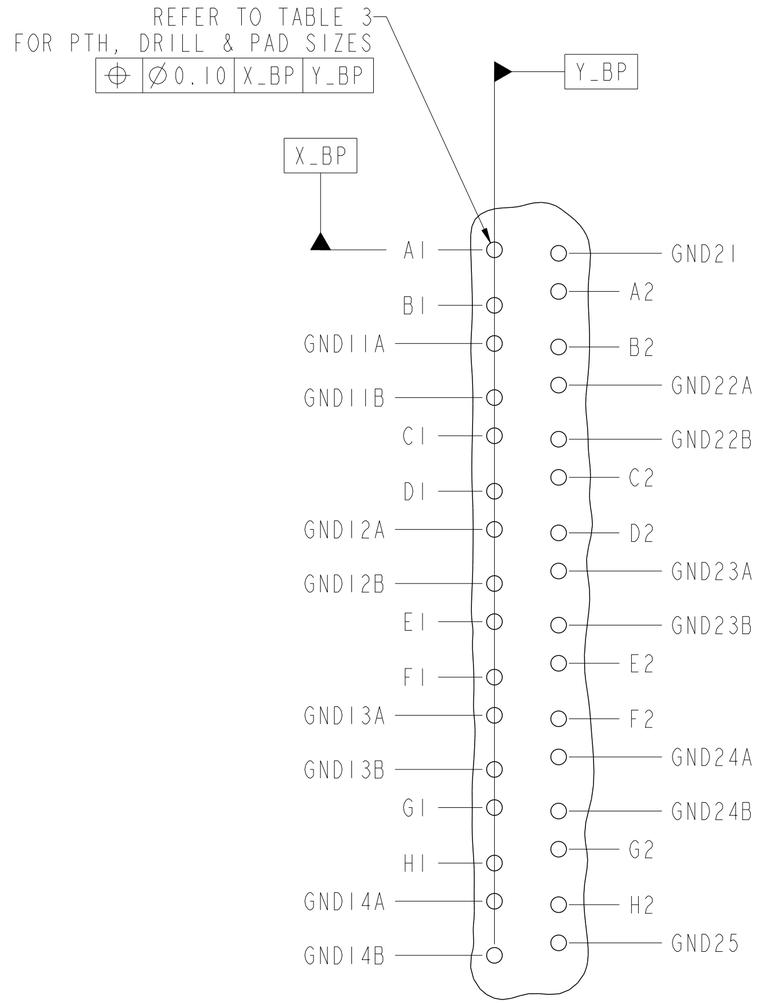
(8.) NOTCH INDICATES "ROW A" SIDE OF CONNECTOR.

(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.) OPTIONAL 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 ∅0.55[0.0217"]COMPLIANT PIN DRILL
TAIL LENGTH=1.5mm FOR ∅0.45[0.0177"]COMPLIANT PIN DRILL



DETAIL A
SCALE 8:1

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spec ref	SEE NOTES			dr	Jim Swain	2009/03/03	projection	MM	size A2 / scale 4:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2016/06/01			
				chr	Heaven Cen	2016/06/08			ecn no ELX-DG-24191-1
				appr	Pei-Ming Zheng	2016/06/15	product family -		rel level Released
surface -	linear	0.X	±0.2	Amphenol FCi	title	MODULE ASSEMBLY			dwg no 10091767 / rev G
		0.XX	±0.10			VERTICAL HEADER, 6-COLUMN, 4-PAIR			
ASME Y14.5		0.XXX	±0.050						
	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:

10091767-00C-20DLF 10091767-L0C-20DLF 10091767-M0C-20DLF 10091767-J0C-10DLF 10091767-Y0C-10DLF
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