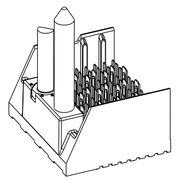
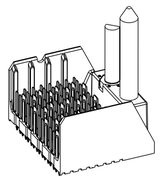
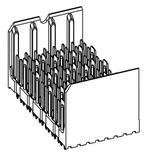
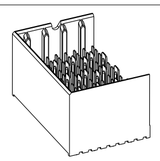
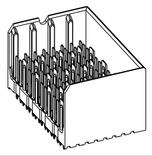
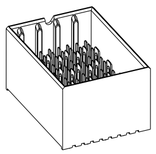
10091777- X 0 E - X 0 X L F

- X: MODULE DESCRIPTION (see table below)
- 0: 8-COLUMN DIFFERENTIAL SIGNAL
- E: LEAD-FREE DESIGNATION ONLY WITH APPLICABLE PLATING CODES
- X: LETTER DESIGNATION REPRESENTED IN DASH NUMBER
- 0: (ZERO)
- X: PERFORMANCE-BASED PLATING (SEE NOTE 2)
- LF: LEAD-FREE

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

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

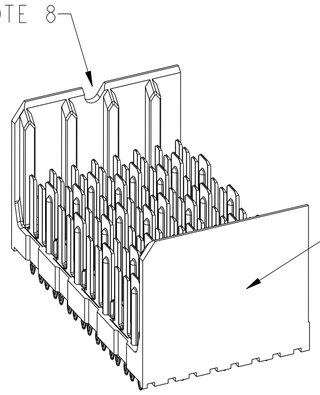
TABLE 2: OPTIONAL SCREW TYPE (SEE NOTE 10)

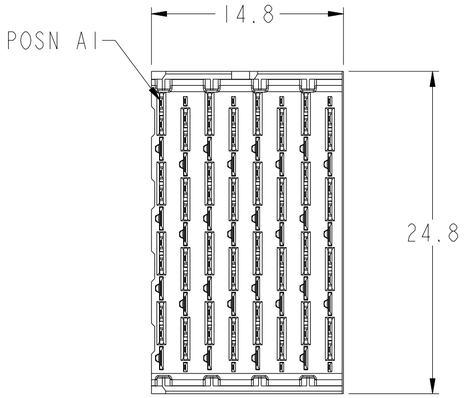
SCREW P/N	DESCRIPTION	BOARD THICKNESS
10091790-002LF	#2-56 X .375" PHILLIPS PANHEAD W/SQ CONICAL WASHER	1.60 - 5.00
10091790-003LF	#2-56 X .500" PHILLIPS PANHEAD W/SQ CONICAL WASHER	5.00 - 10.00

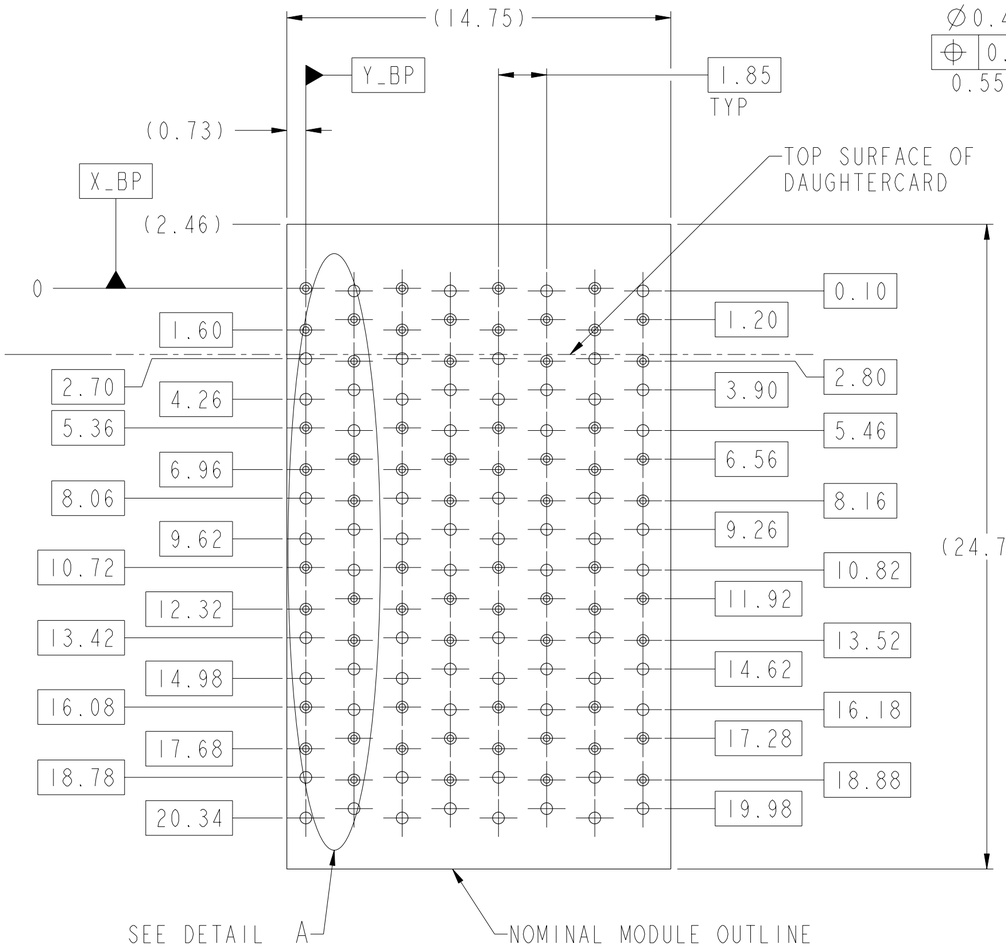
PRELIMINARY

spec ref	SEE NOTES		dr	P.S KUMAR	2009-07-04	projection	MM
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	W.J.SWAIN	2009-07-04	size A2	scale 4:1
			chr	W.J.SWAIN	2009-07-04	ecn no	
			appr			product family XCede	rel level In Work
surface ASME Y14.5	linear	0.X ±0.2	FCI	title	MODULE ASSEMBLY VERTICAL HEADER, 8-COLUMN, 4-PAIR	dwg no 10091777	rev 3
		0.XX ±0.10					
		0.XXX ±0.050					
	angular	0° ±-°	www.fci.com	cat. no.	SEE P/N TREE	Product - Customer Drw	sheet 1 of 8

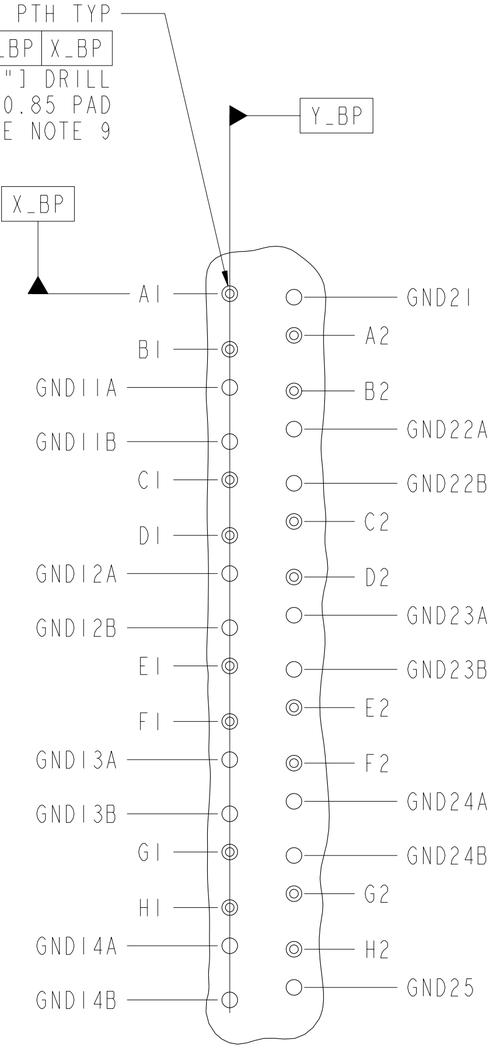
OPEN (2-WALL) MODULE



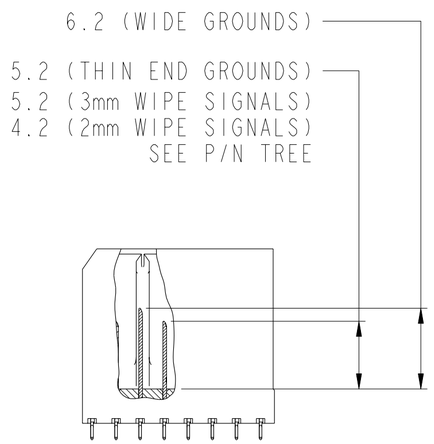


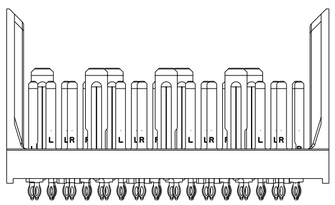


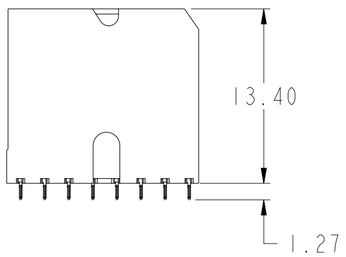
PCB HOLE PATTERN
COMPONENT SIDE
SCALE 6:1



DETAIL A
SCALE 8:1



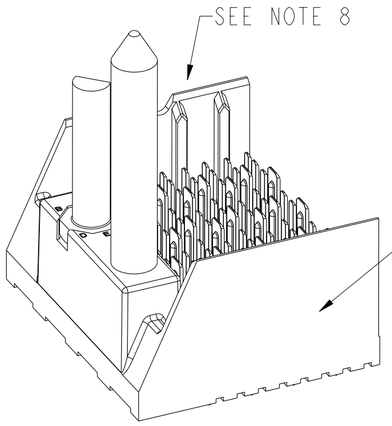


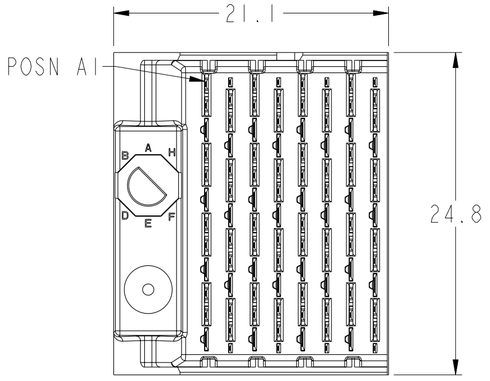


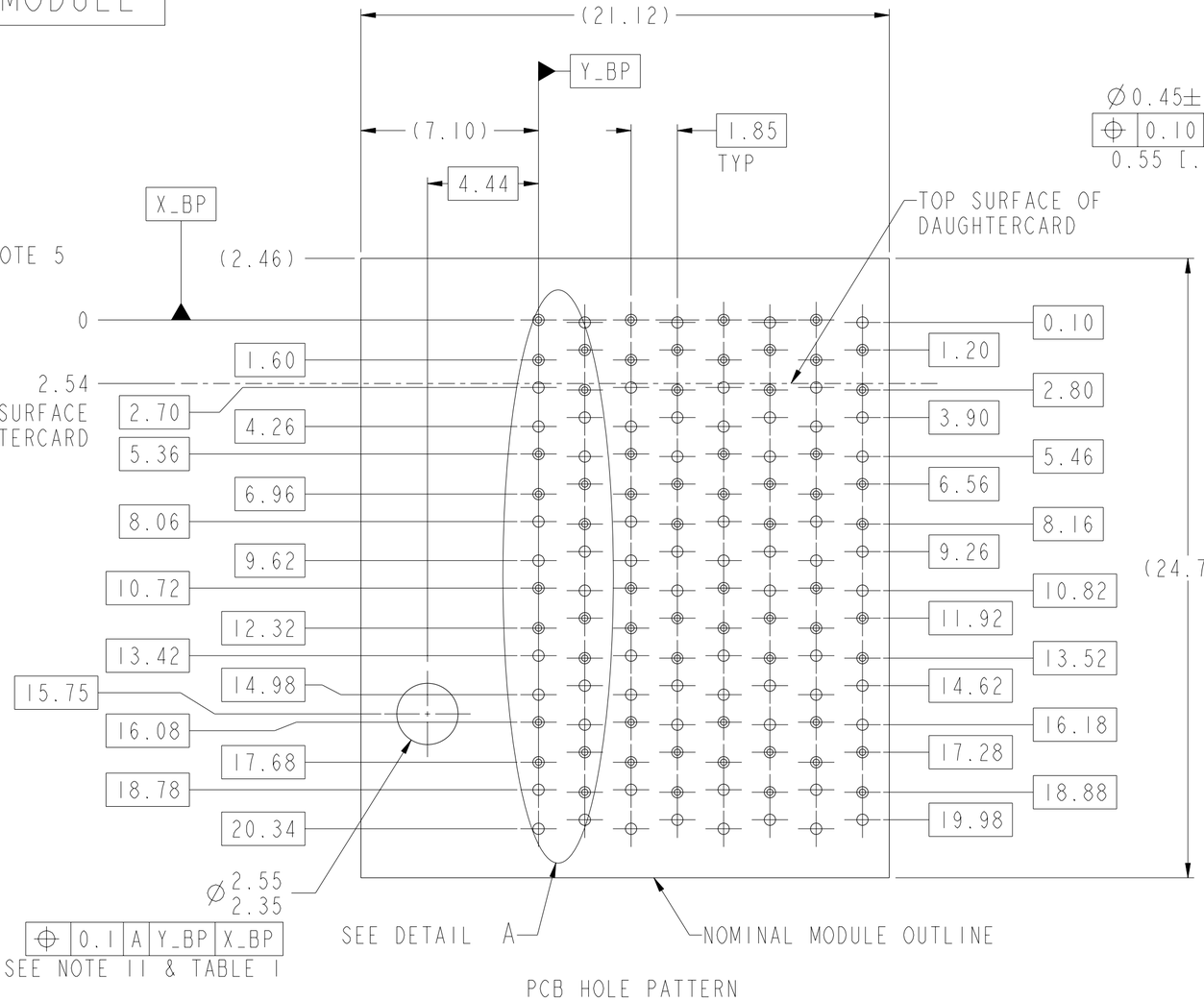
PRELIMINARY

spec ref	SEE NOTES		dr	P S KUMAR	2009-07-04	projection	MM	size A2 / scale 4:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	W.J.SWAIN	2009-07-04			ecn no
			chr	W.J.SWAIN	2009-07-04			
			appr			product family	XCede	rel level: In Work
surface ASME Y14.5	linear	0.X ±0.2	FCI	title: MODULE ASSEMBLY		dwg no: 10091777		rev: 3
		0.XX ±0.10		VERTICAL HEADER, 8-COLUMN, 4-PAIR				
		0.XXX ±0.050						
	angular	0° ±-°	www.fci.com	cat. no. SEE P/N TREE	Product - Customer Drw			sheet 2 of 8

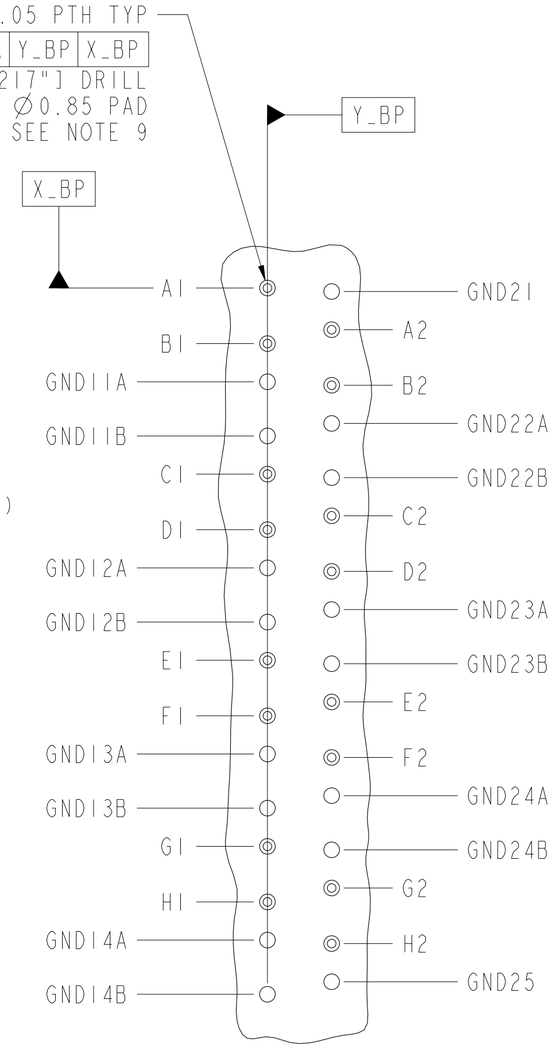
LEFT POLARIZING/GUIDE MODULE



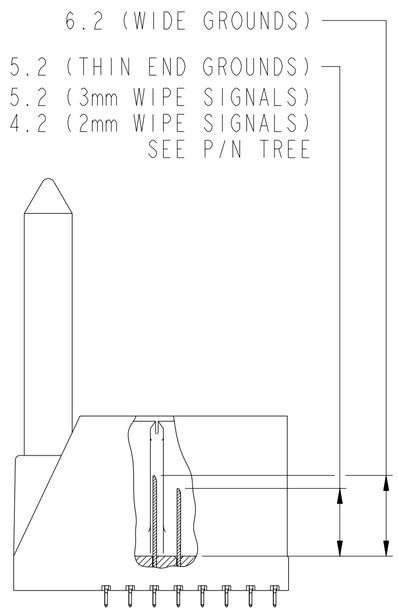


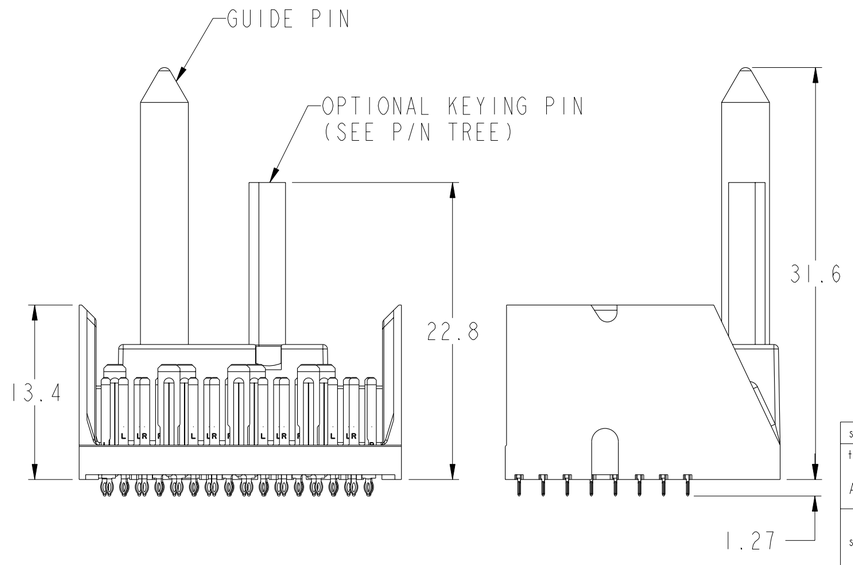


PCB HOLE PATTERN
COMPONENT SIDE
SCALE 6:1



DETAIL A
SCALE 8:1

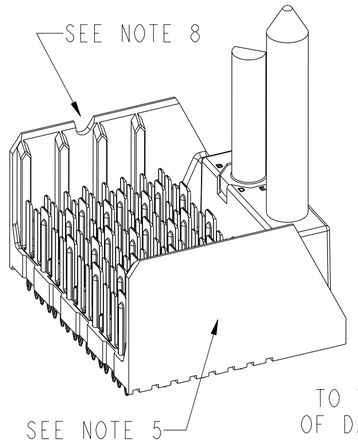


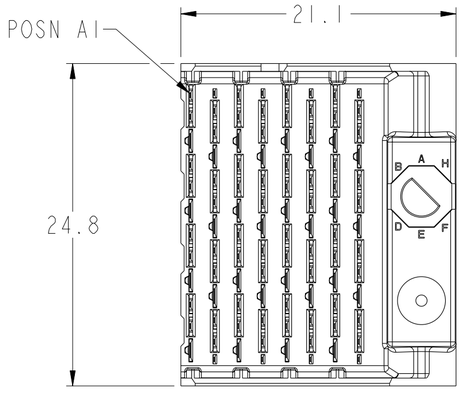


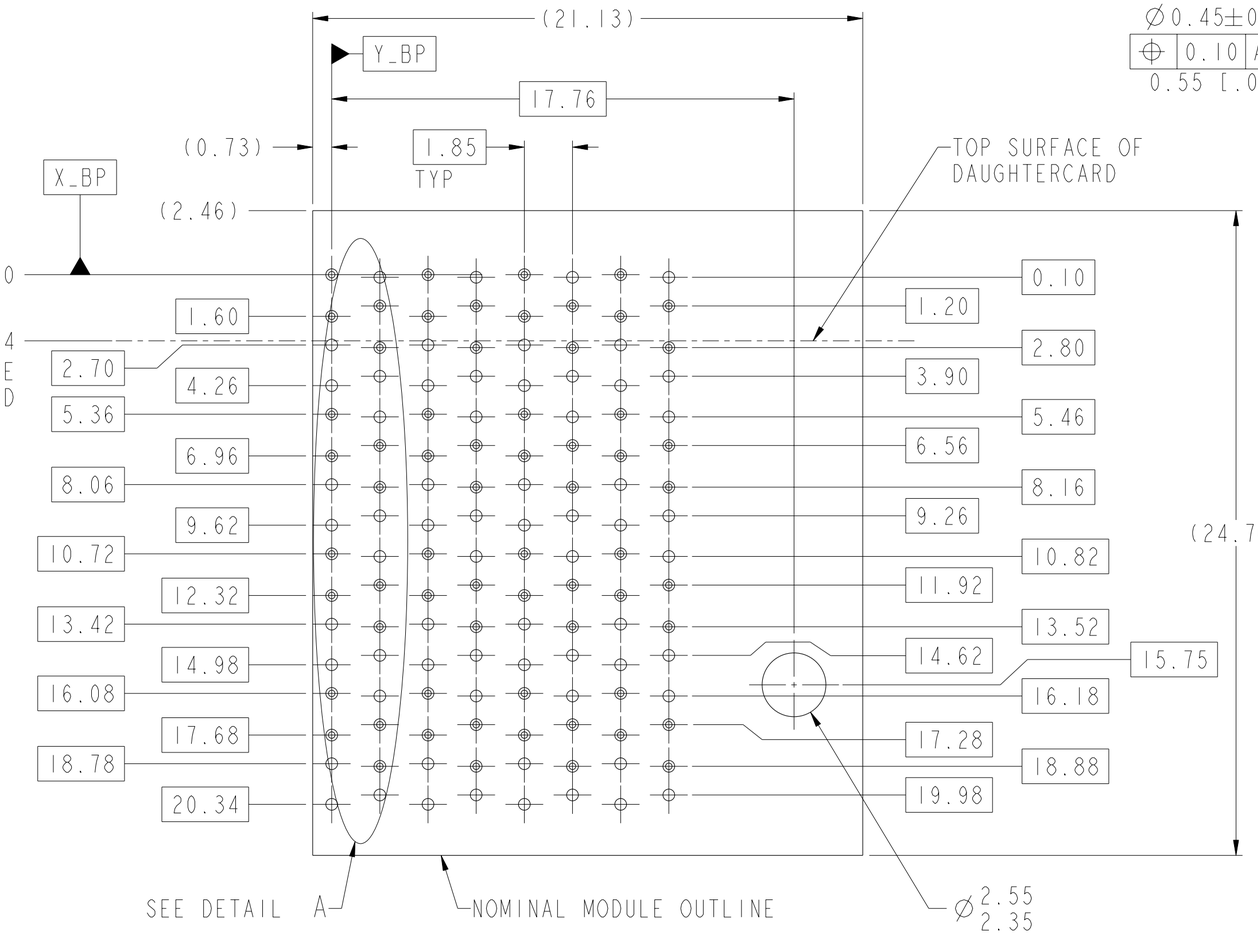
PRELIMINARY

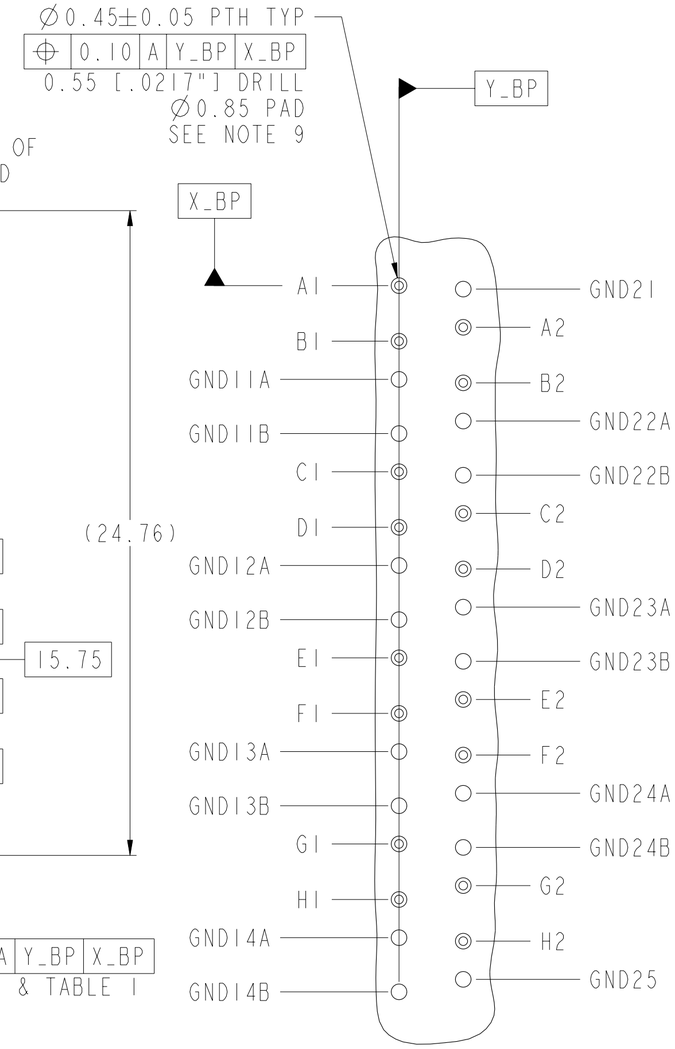
spec ref	SEE NOTES			dr	P S KUMAR	2009-07-04	projection	MM	size A2	scale 4:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	W.J.SWAIN	2009-07-04			ecn no	
				chr	W.J.SWAIN	2009-07-04				
				appr			product family	XCede	rel level	In Work
surface ASME Y14.5	linear	0.X	±0.2	FCI	title	MODULE ASSEMBLY			dwg no 10091777	rev 3
		0.XX	±0.10			VERTICAL HEADER, 8-COLUMN, 4-PAIR				
		0.XXX	±0.050							
	angular	0°	±-°	www.fci.com	cat. no.	SEE P/N TREE	Product - Customer Drw			sheet 3 of 8

RIGHT POLARIZING/GUIDE MODULE

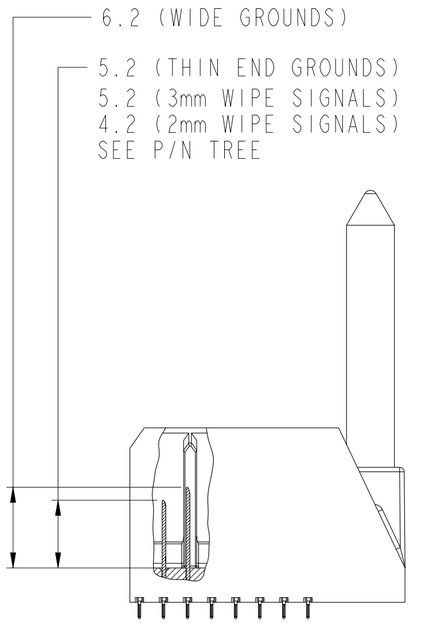


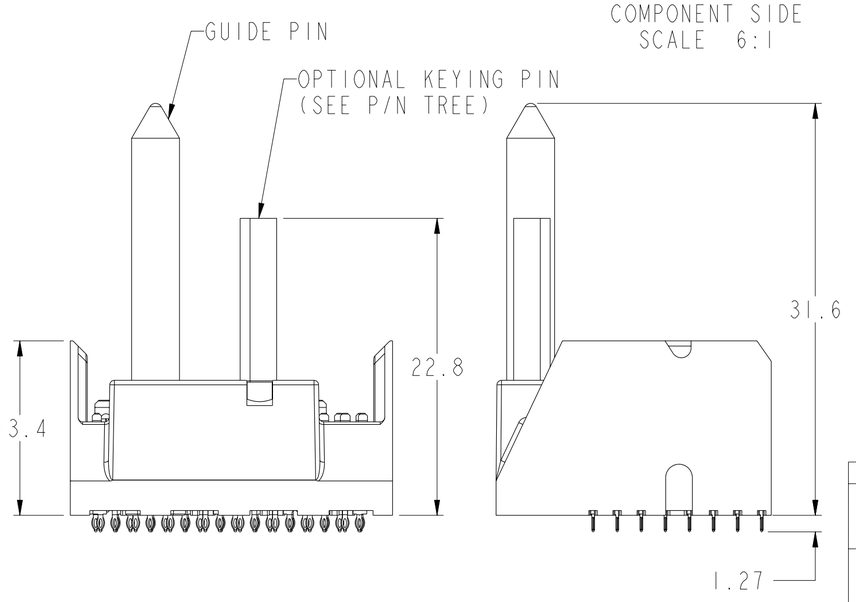






DETAIL A
SCALE 8:1





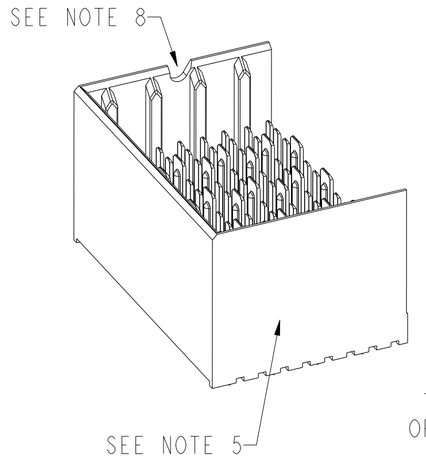
PCB HOLE PATTERN
COMPONENT SIDE
SCALE 6:1

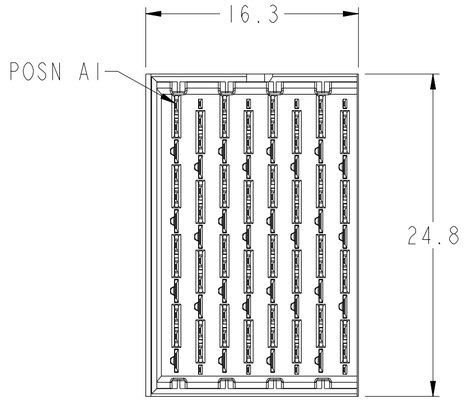
∅2.55
2.35
⌖ ∅0.10 A Y_BP X_BP
SEE NOTE 11 & TABLE 1

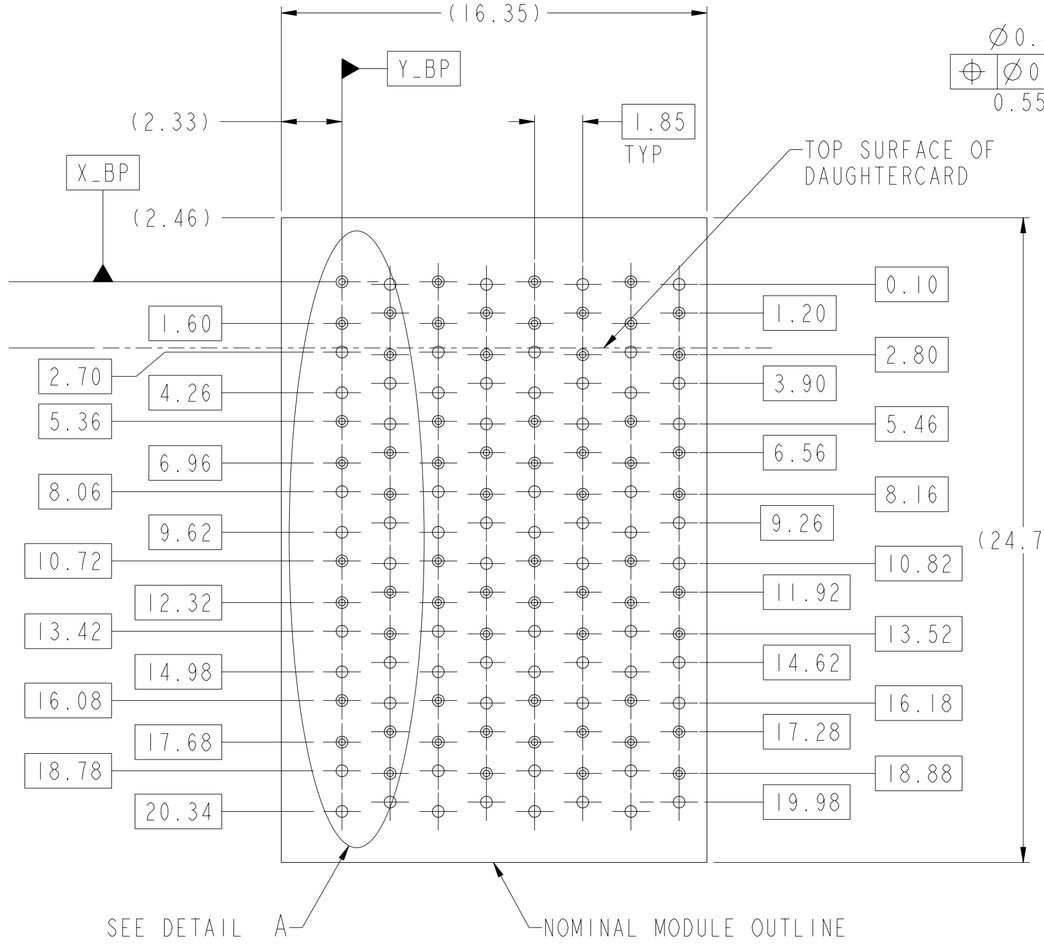
PRELIMINARY

spec ref	SEE NOTES			dr	P S KUMAR	2009-07-04	projection	MM	size A2 / scale 4:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	W.J.SWAIN	2009-07-04			ecn no
				chr	W.J.SWAIN	2009-07-04			
				appr			product family	XCede	rel level: In Work
surface - ASME Y14.5	linear	0.X	±0.2	FCI	title: MODULE ASSEMBLY VERTICAL HEADER, 8-COLUMN, 4-PAIR		dwg no	10091777	rev 3
		0.XX	±0.10						
		0.XXX	±0.050						
	angular	0°	±-°	www.fci.com	cat. no. SEE P/N TREE	Product - Customer Drw			sheet 4 of 8

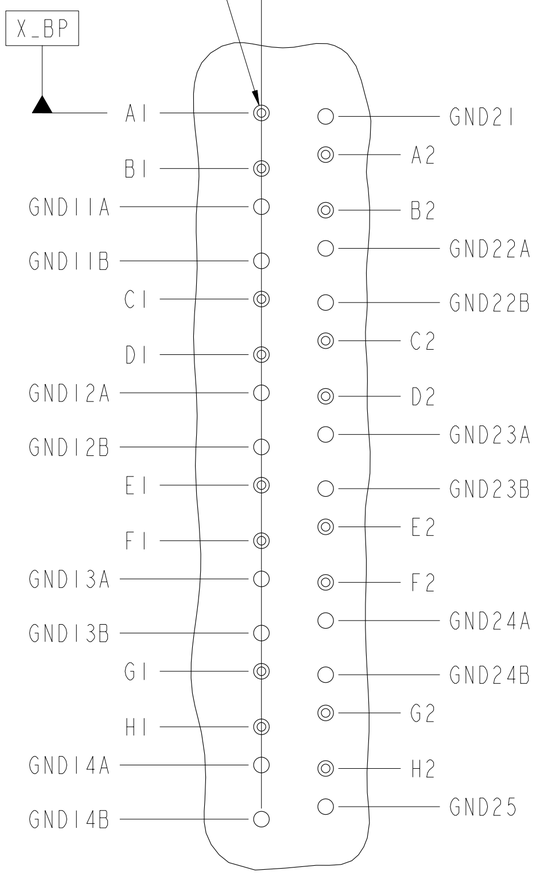
LEFT WALL MODULE



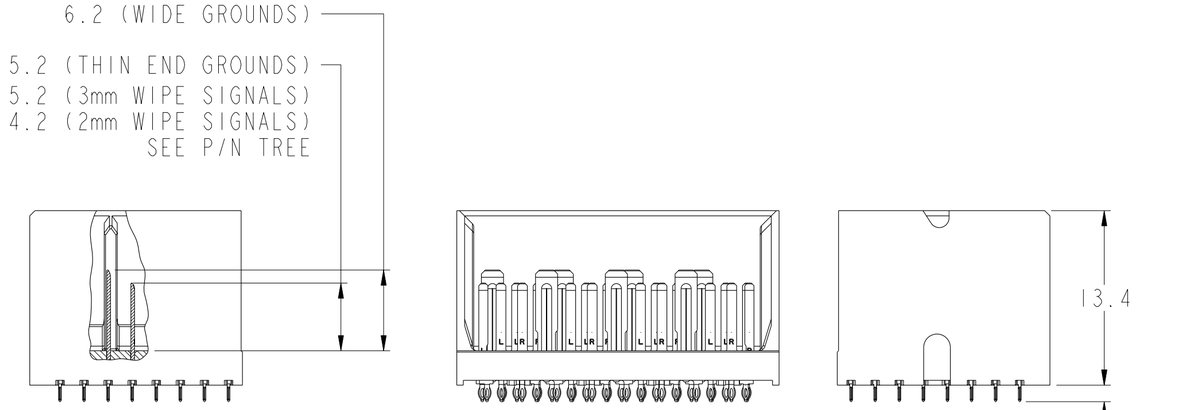




PCB HOLE PATTERN
COMPONENT SIDE
SCALE 6:1



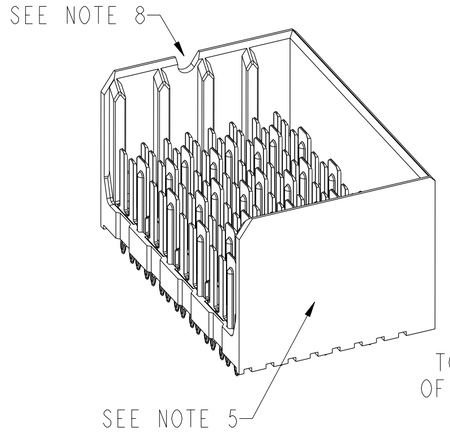
DETAIL A
SCALE 8:1

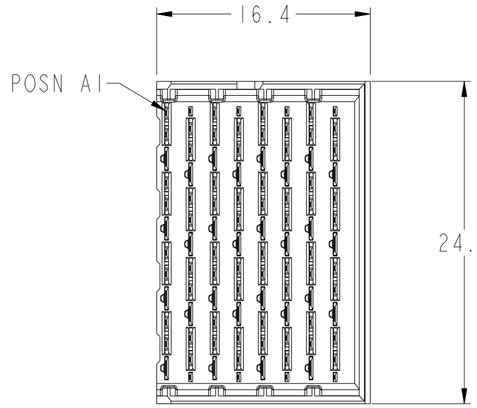


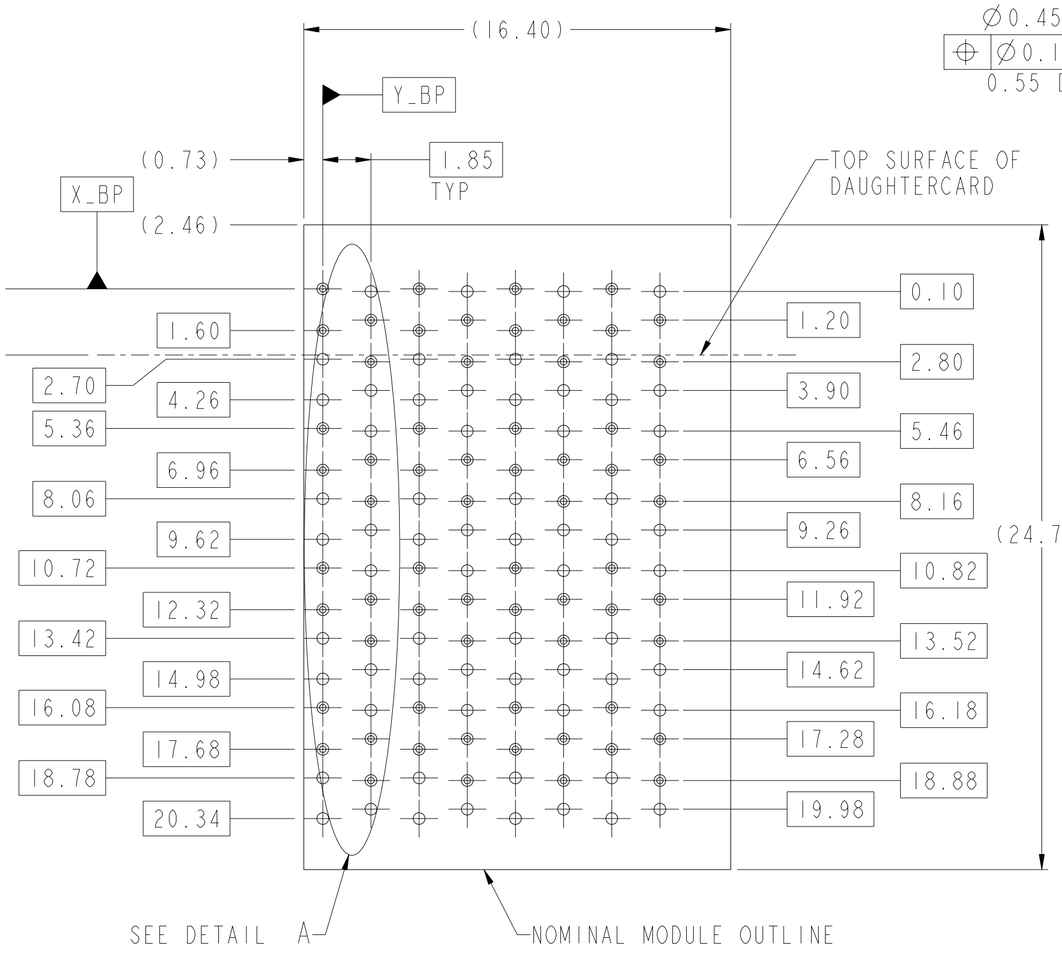
PRELIMINARY

spec ref	SEE NOTES		dr	P S KUMAR	2009-07-04	projection	MM	size A2	scale 4:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	W.J.SWAIN	2009-07-04			ecn no	
			chr	W.J.SWAIN	2009-07-04				
			appr			product family	XCede	rel level	In Work
surface ASME Y14.5	linear	0.X ±0.2	FCI www.fci.com	title	MODULE ASSEMBLY			dwg no 10091777	rev 3
		0.XX ±0.10			VERTICAL HEADER, 8-COLUMN, 4-PAIR				
		0.XXX ±0.050		cat. no.	SEE P/N TREE	Product - Customer Drw		sheet 5 of 8	
	angular	0° ±-°							

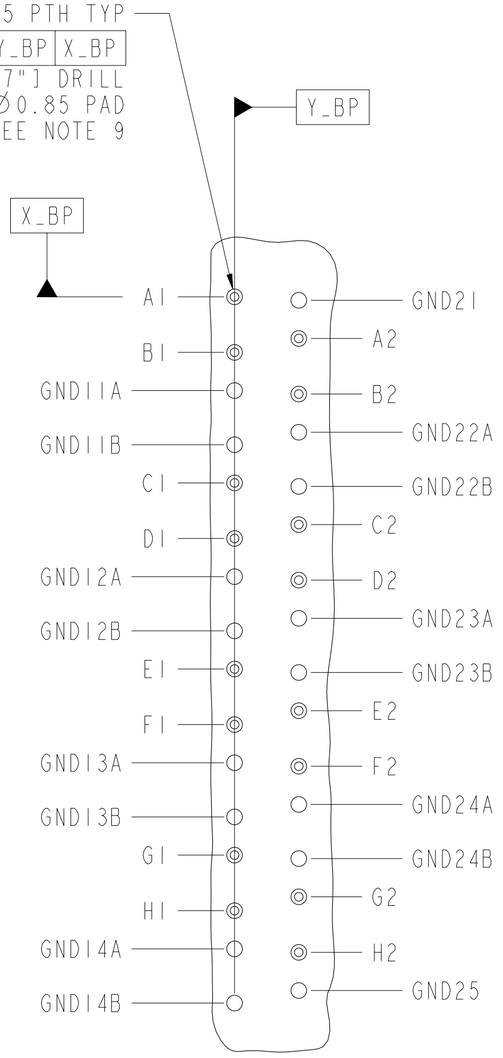
RIGHT WALL MODULE



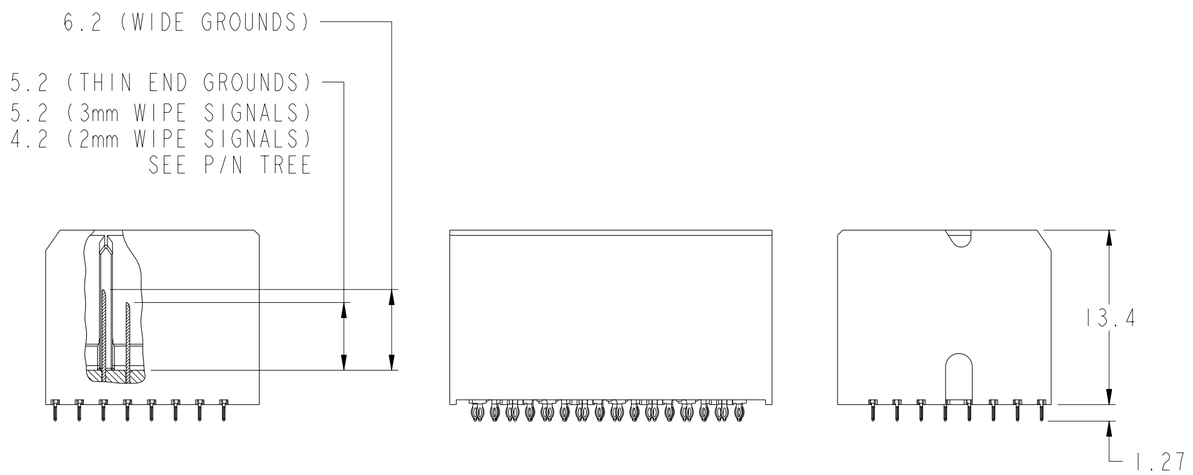




PCB HOLE PATTERN
COMPONENT SIDE
SCALE 6:1



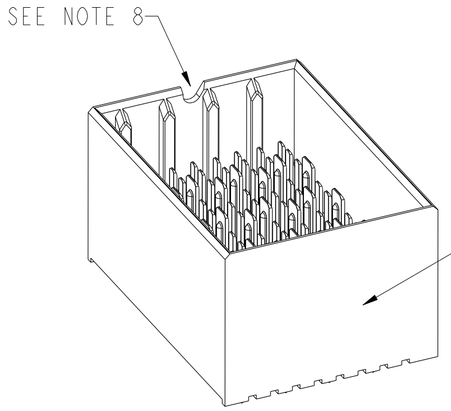
DETAIL A
SCALE 8:1

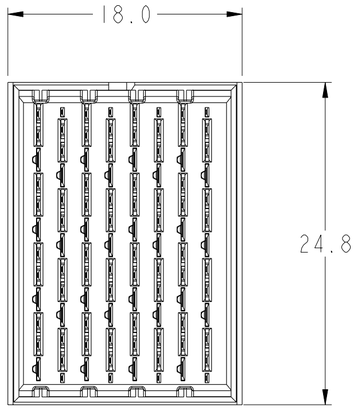


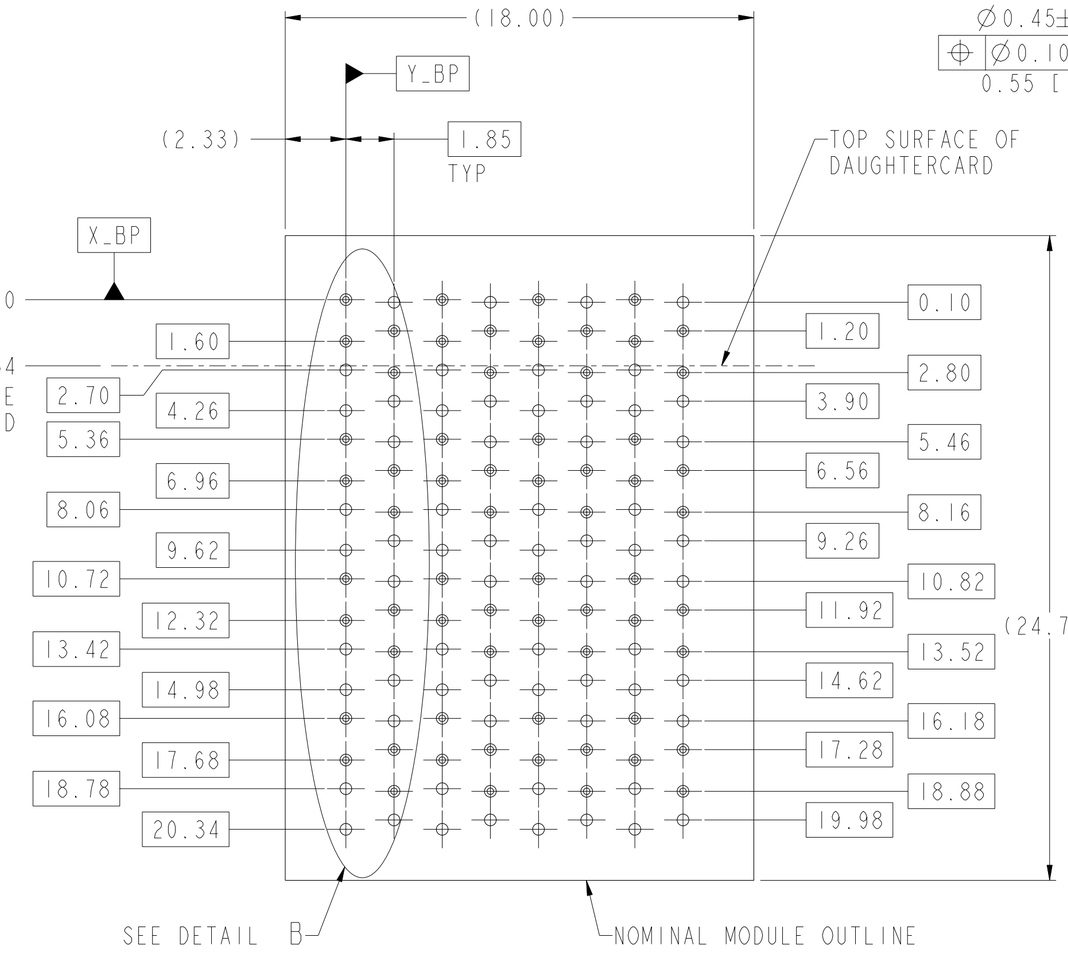
PRELIMINARY

spec ref	SEE NOTES		dr	P S KUMAR	2009-07-04	projection	MM	size A2	scale 4:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	W.J.SWAIN	2009-07-04			ecn no	
			chr	W.J.SWAIN	2009-07-04				
			appr			product family	XCede	rel level	In Work
surface ASME Y14.5	linear	0.X ±0.2	FCI	title	MODULE ASSEMBLY			dwg no 10091777	rev 3
		0.XX ±0.10			VERTICAL HEADER, 8-COLUMN, 4-PAIR				
		0.XXX ±0.050	www.fci.com	cat. no.	SEE P/N TREE	Product - Customer Drw		sheet 6 of 8	
	angular	0° ±-°							

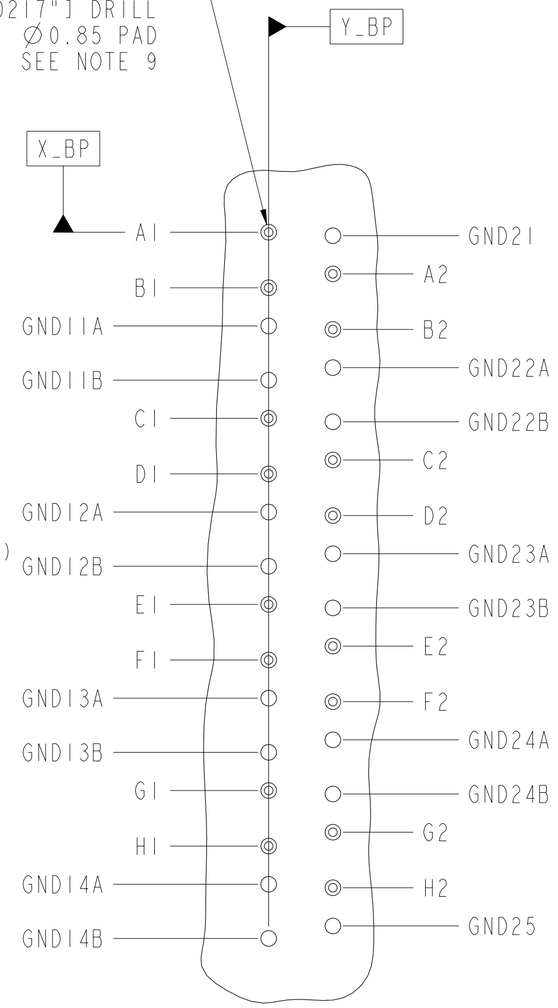
FOUR WALL MODULE



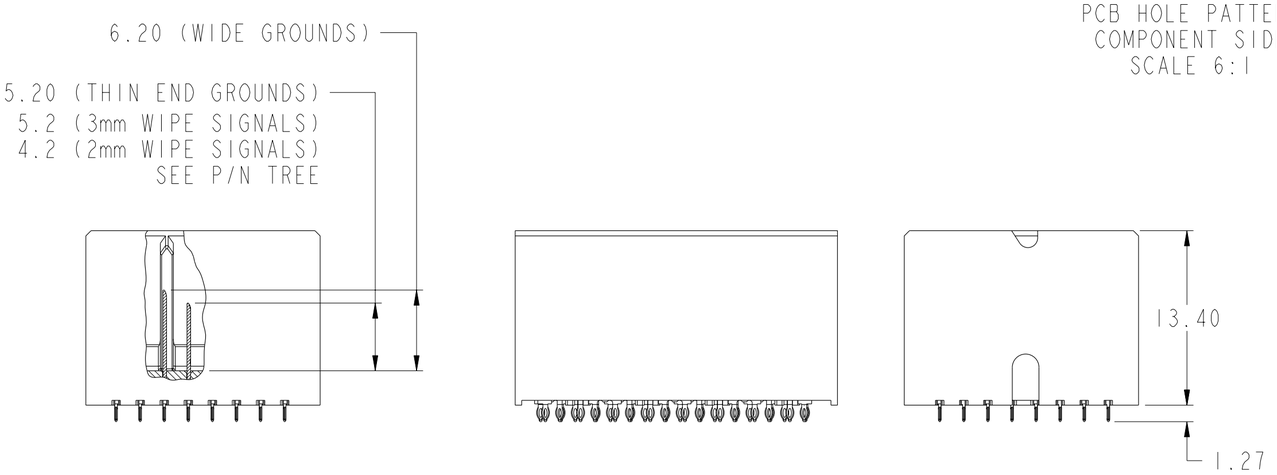




PCB HOLE PATTERN
COMPONENT SIDE
SCALE 6:1



DETAIL B
SCALE 8:1



PRELIMINARY

spec ref	SEE NOTES			dr	P.S KUMAR	2009-07-04	projection	MM	size A2 / scale 3:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	W.J.SWAIN	2009-07-04			
				chr	W.J.SWAIN	2009-07-04			ecn no
				appr			product family	XCede	rel level: In Work
surface - ASME Y14.5	linear	0.X	±0.2	FCI	title: MODULE ASSEMBLY VERTICAL HEADER, 8-COLUMN, 4-PAIR		dwg no	10091777	rev 3
		0.XX	±0.10						
		0.XXX	±0.050						
	angular	0°	±-°	www.fci.com	cat. no. SEE P/N TREE		Product - Customer Drw		sheet 7 of 8

NOTES:

1. CONNECTOR MATERIALS
   SHROUD: HIGH-TEMP THERMOPLASTIC, 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 (PRELIMINARY)

4. APPLICATION SPECIFICATION: GS-20-121 (PRELIMINARY)

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.

PRELIMINARY

spec ref	SEE NOTES			dr	P S KUMAR	2009-07-04	projection	MM	size A2 / scale 4:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	W.J.SWAIN	2009-07-04			ecn no
				chr	W.J.SWAIN	2009-07-04			
				appr			product family	XCede	rel level In Work
surface ASME Y14.5	linear	0.X	±0.2	FCI	title	MODULE ASSEMBLY	dwg no	10091777	rev 3
		0.XX	±0.10			VERTICAL HEADER, 8-COLUMN, 4-PAIR			
		0.XXX	±0.050						
	angular	0°	±-°	www.fci.com	cat. no.	SEE P/N TREE	Product - Customer Drw		sheet 8 of 8