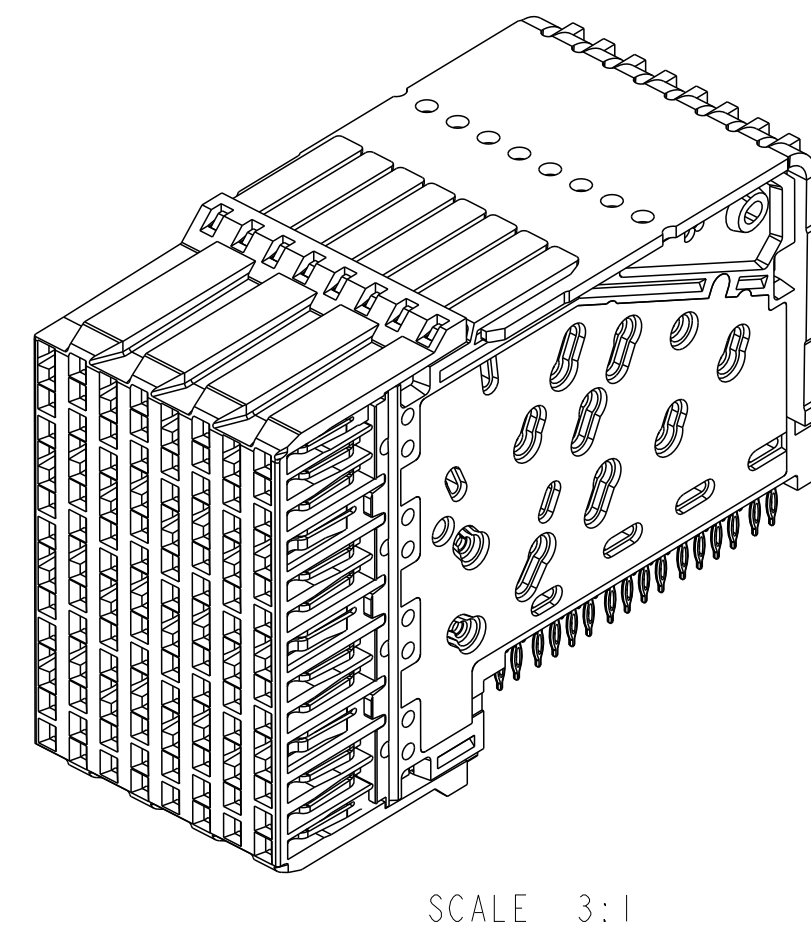
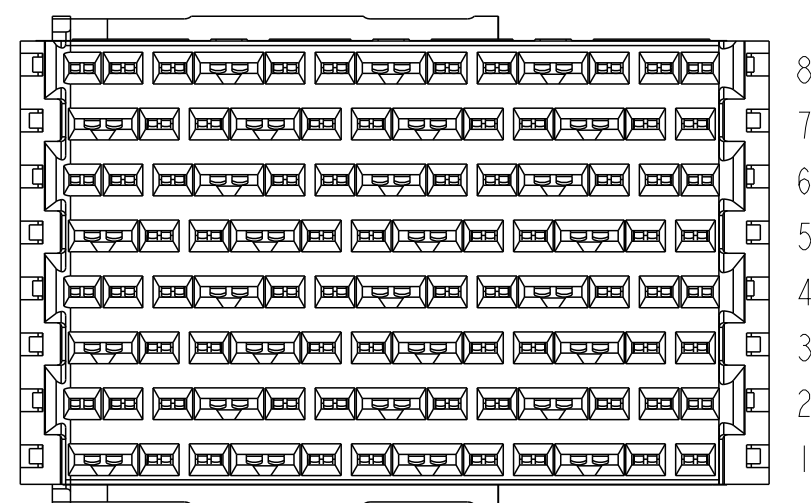
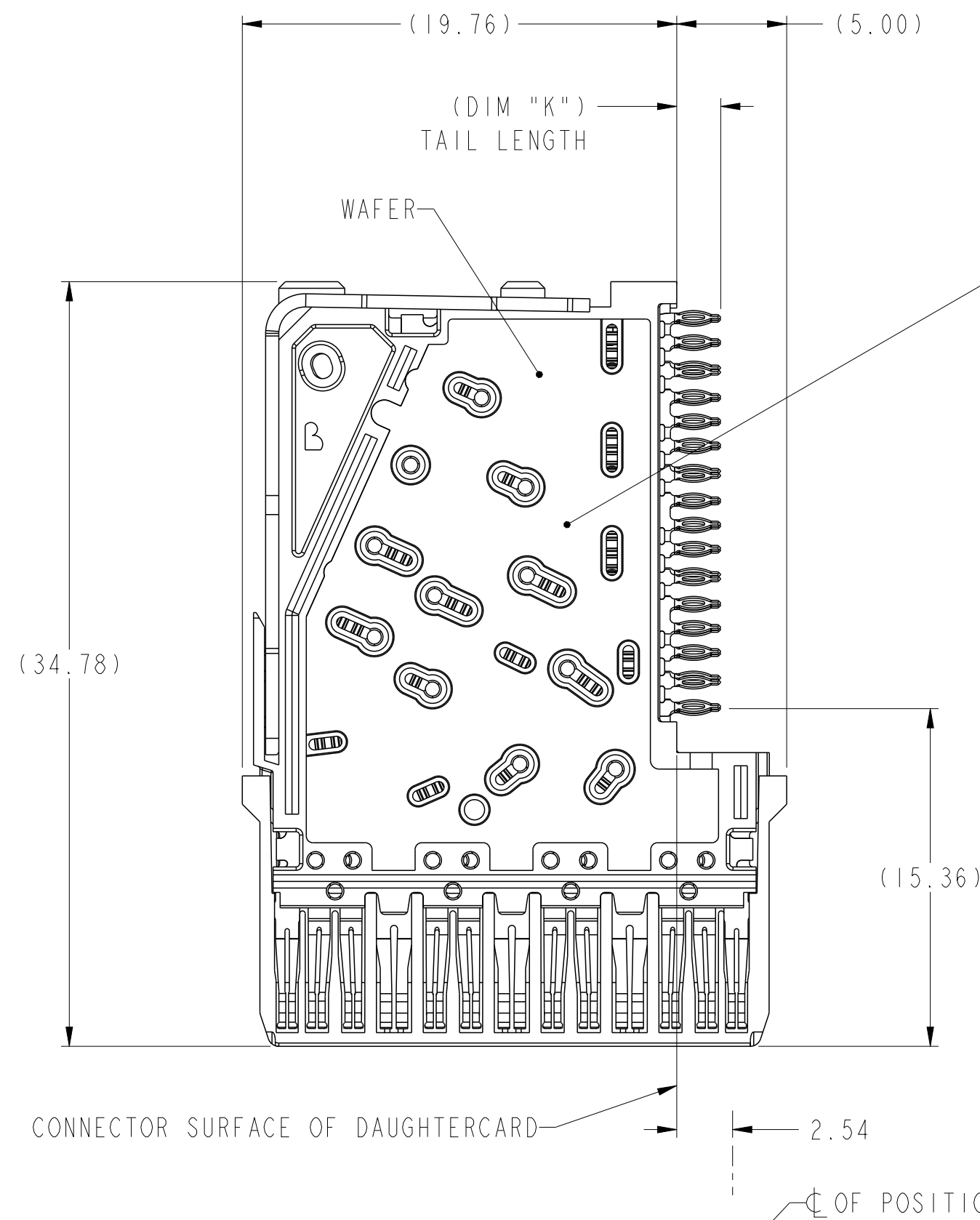
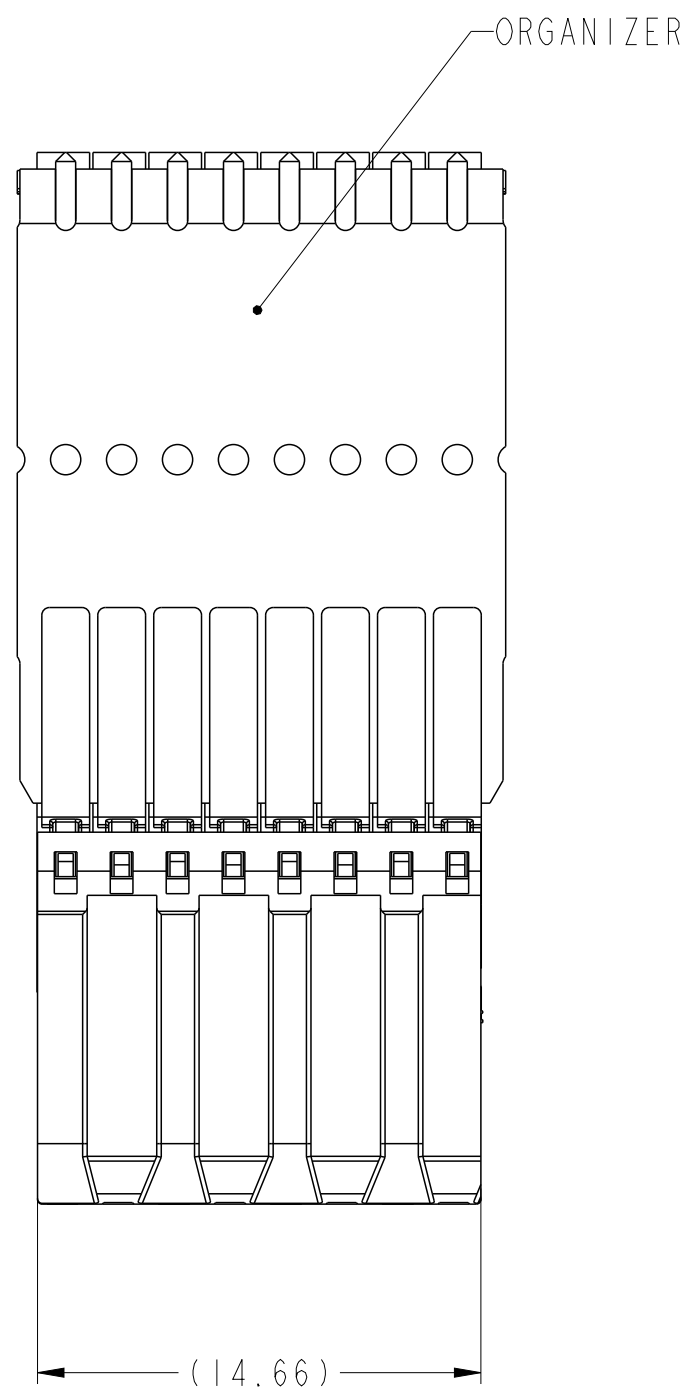
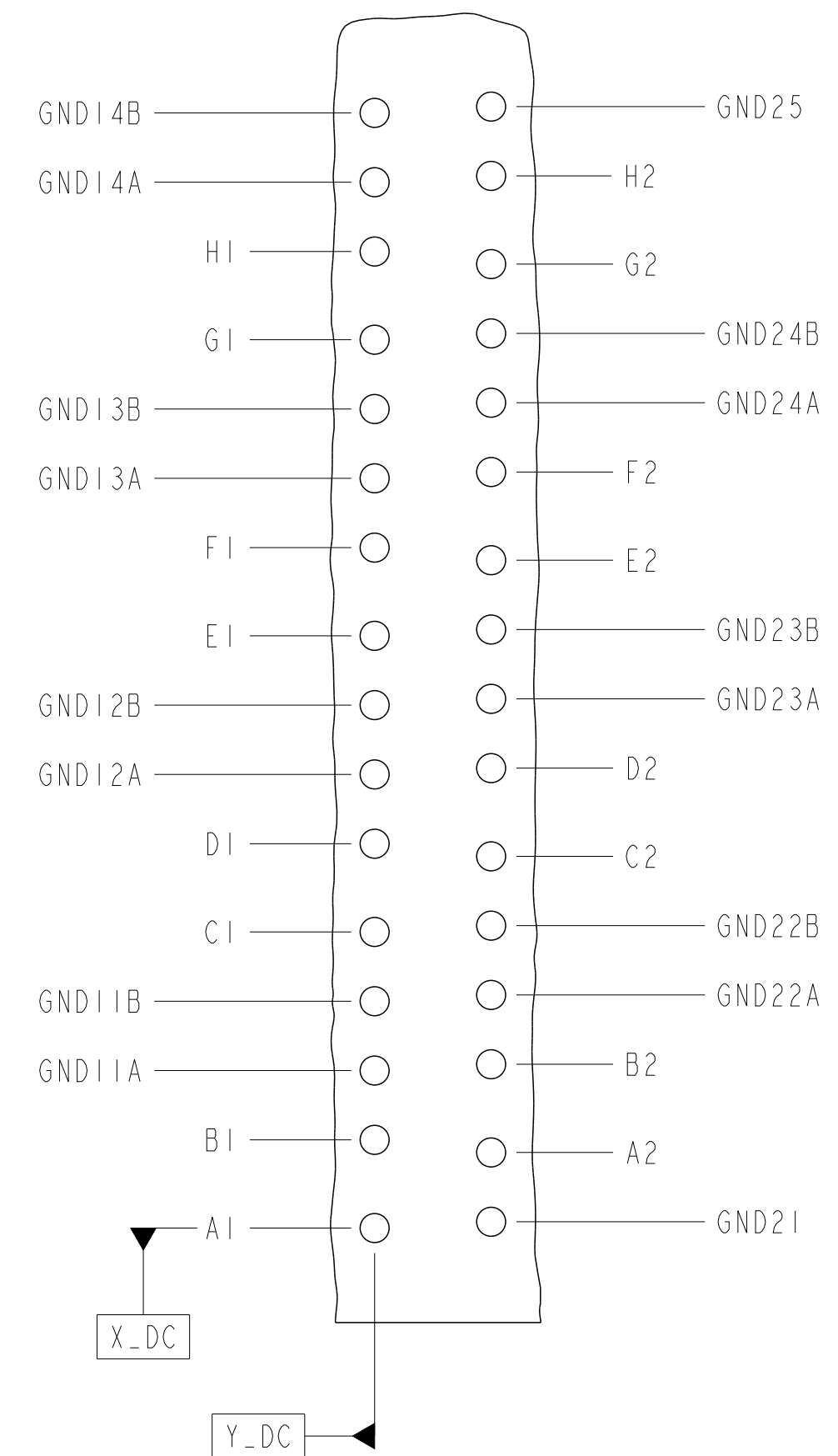
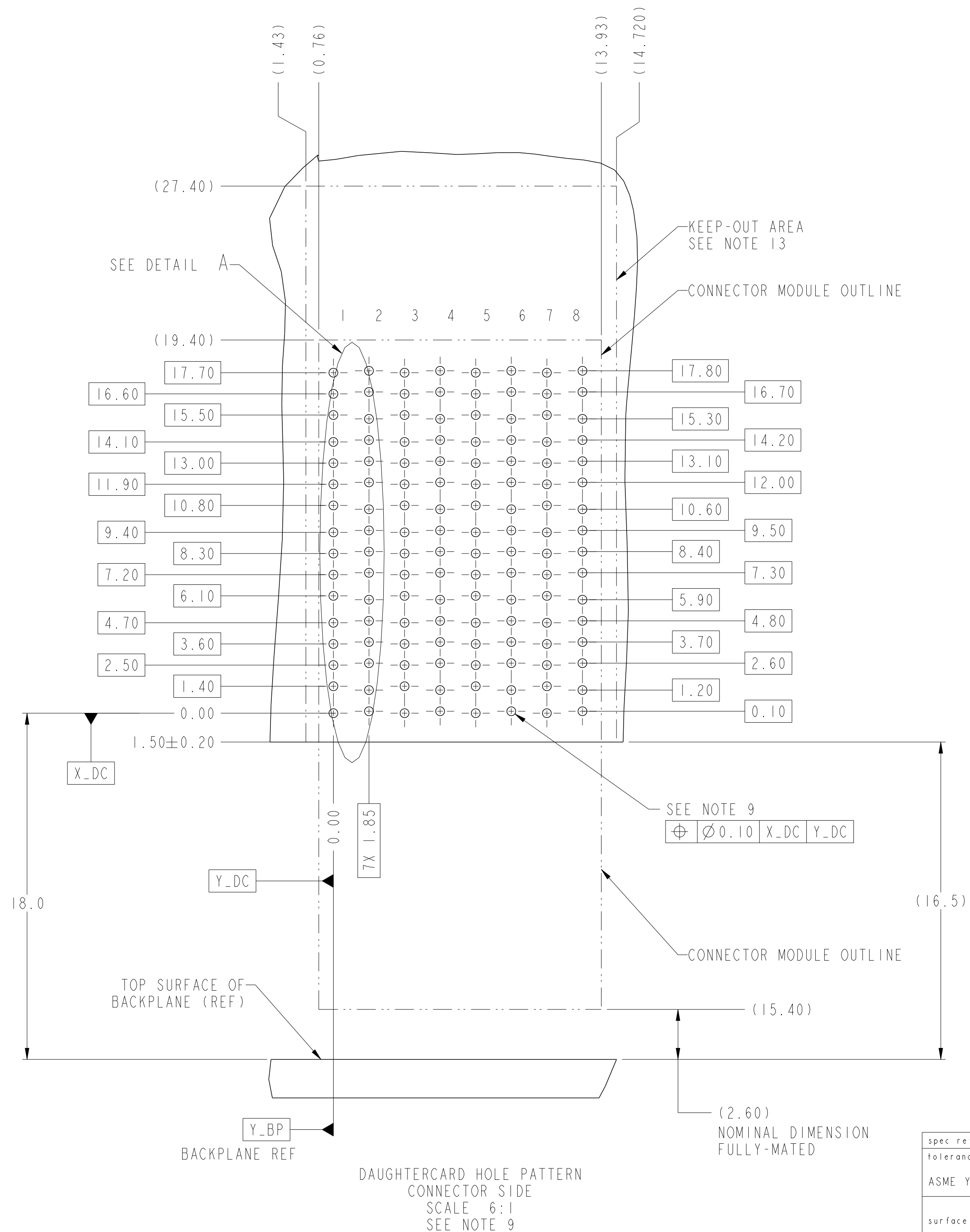
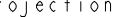




spec ref	SEE NOTES	dr	Jim Swain	2010/02/22	projection	mm	size	A2	scale	3:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Matthew Cheong	2012/04/30			ecn no	ELX-S-011499-1		
ASME Y14.5		chr	-	-			rel level	Released		
		appr	Chen-Hong Tan	2012/04/30	product family	XCede	rel level	Released		
surface	linear	0.X	±	-	FCI	title	RECEPT MODULE, RIGHT ANGLE	dwg no	10091812	rev
ASME Y14.5	angular	0.XX	±	-	www.fci.com	cat. no.	SEE P/N TABLES	Product - Customer Drw	sheet 1 of 6	B
		0.XXX	±	-						
		0°	±	-						



DETAIL A
SCALE 10:1
HIGH-SPEED DIFFERENTIAL PINOUT
SEE NOTE 9

spec ref		SEE NOTES		dr Jim Swain 2010/01/22		projection		size A2		scale 3:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Matthew Cheong 2012/04/30				mm		ecn no ELX-5-011499-1	
ASME Y14.5				chr - 2012/04/30							
						product family		XCede		rel lev ct Released	
surface 		linear				title RECEPT MODULE, RIGHT ANGLE 8 COLUMN, 4 PAIR		dwg no 10091812		rev B	
		0.X ±									
		0.XX ±									
ASME Y14.5		angular 0° ±°		www.fci.com		cat. no. SEE P/N TABLES		Product- Customer Drw		sheet 2 of 6	

1		2		3		4		5		6		7		8	
ASSEMBLY PART NUMBER		LEAD-FREE		MODULE DESCRIPTION AND USAGE NOTES		VERSION		IMPEDANCE		COMPLIANT TAIL STYLE AND PCB DRILL DIAMETER		DIM "K" (TAIL LENGTH)		REMARKS	
10091812-101		NO		SEE NOTES 6 & 14		HSD		100Ω		STANDARD 0.57 (.0225")		2.0		TELCORDIA CO	
10091812-101LF		YES													
10091812-111		NO		SEE NOTES 6 & 15											
10091812-111LF		YES													
10091812-501		NO		SEE NOTES 6 & 14										TELCORDIA UE	
10091812-501LF		YES													
10091812-511		NO		SEE NOTES 6 & 15											
10091812-511LF		YES													
10091812-102		NO		SEE NOTES 6 & 14		TELCORDIA CO									
10091812-102LF		YES													
10091812-112		NO		SEE NOTES 6 & 15				TELCORDIA UE							
10091812-112LF		YES													
10091812-502		NO		SEE NOTES 6 & 14											
10091812-502LF		YES													
10091812-512		NO		SEE NOTES 6 & 15											
10091812-512LF		YES													
10091812-103		NO		SEE NOTES 6 & 14		LC		100Ω		STANDARD 0.57 (.0225")		TELCORDIA CO			
10091812-103LF		YES													
10091812-113		NO		SEE NOTES 6 & 15											
10091812-113LF		YES													
10091812-503		NO		SEE NOTES 6 & 14								TELCORDIA UE			
10091812-503LF		YES													
10091812-513		NO		SEE NOTES 6 & 15											
10091812-513LF		YES													
10091812-104		NO		SEE NOTES 6 & 14		LC		100Ω		MICRO 0.45 (.0177")		TELCORDIA CO			
10091812-104LF		YES													
10091812-114		NO		SEE NOTES 6 & 15											
10091812-114LF		YES													
10091812-504		NO		SEE NOTES 6 & 14								TELCORDIA UE			
10091812-504LF		YES													
10091812-514		NO		SEE NOTES 6 & 15											
10091812-514LF		YES													

Pro/E File - REV C - 2009-06-09

1

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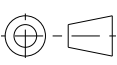
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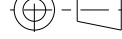
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PDS: Rev :B

STATUS:Released

Printed: May 02, 2012

spec ref		SEE NOTES		dr	Jim Swain	2010/01/22	projection		mm		size	A2	scale		2:1			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Matthew Cheong	2012/04/30					ecn no		ELX-S-011499-1					
ASME Y14.5																		
surface		linear	0.X	±-			title		RECEPT MODULE, RIGHT ANGLE		dwg no		10091812		rev		B	
		0.XX	±-															
		0.XXX	±-															
ASME Y14.5		angular	0°	±-0	www.fci.com		cat. no.		SEE PART NUMBER TABLE		Product - Customer Drw		sheet 3 of 6					

spec ref	SEE NOTES			dr	Jim Swain	2010/01/22	projection  mm	size	A2	scale	2:1					
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Matthew Cheong	2012/04/30		ecn no ELX-S-011499-1								
ASME Y14.5				chr	-	-										
				appr	Chen-Hong Tan	2012/04/30			product family		XCode	rel lev	Ct	Released		
surface	✓	linear	0.X	±-	FCi www.fci.com	title			RECEPT MODULE, RIGHT ANGLE		dwg no	10091812		rev	B	
ASME Y14.5		0.XX	±-	8 COLUMN, 4 PAIR												
		0.XXX	±-													
		angular	0°	±-°	cat. no. SEE PART NUMBER TABLE		Product - Customer Drw				sheet 3 of 6					

1		2		3		4		5		6		7		8	
ASSEMBLY PART NUMBER	LEAD-FREE	MODULE DESCRIPTION AND USAGE NOTES	VERSION	IMPEDANCE	COMPLIANT TAIL STYLE AND PCB DRILL DIAMETER	DIM "K" (TAIL LENGTH)	REMARKS		PCB REQUIREMENTS						
									ATTRIBUTE	STANDARD TAIL	MICRO TAIL				
10091812-105	NO	SEE NOTES 6 & 14	HSD	85Ω	STANDARD 0.57 (.0225")	2.0	TELCORDIA CO		DRILL	Ø0.57 (.0225")	Ø0.45 (.0177")				
10091812-105LF	YES								PTH	Ø0.46±0.05	Ø0.36±0.05				
10091812-115	NO	PAD SEE NOTE 8							Ø0.88	Ø0.75					
10091812-115LF	YES														
10091812-505	NO	SEE NOTES 6 & 14					TELCORDIA UE								
10091812-505LF	YES														
10091812-515	NO	SEE NOTES 6 & 15													
10091812-515LF	YES														
10091812-106	NO	SEE NOTES 6 & 14	HSD	85Ω	MICRO 0.45 (.0177")	1.3		TELCORDIA CO							
10091812-106LF	YES														
10091812-116	NO	SEE NOTES 6 & 15							TELCORDIA UE						
10091812-116LF	YES														
10091812-506	NO	SEE NOTES 6 & 14													
10091812-506LF	YES														
10091812-516	NO	SEE NOTES 6 & 15													
10091812-516LF	YES														
10091812-107 	NO	SEE NOTES 6 & 14	LC	85Ω	STANDARD 0.57 (.0225")	2.0	TELCORDIA CO								
10091812-107LF 	YES														
10091812-117 	NO	SEE NOTES 6 & 15						TELCORDIA UE							
10091812-117LF 	YES														
10091812-507 	NO	SEE NOTES 6 & 14													
10091812-507LF 	YES														
10091812-517 	NO	SEE NOTES 6 & 15													
10091812-517LF 	YES														
10091812-108 	NO	SEE NOTES 6 & 14	LC	85Ω	MICRO 0.45 (.0177")	1.3	TELCORDIA CO								
10091812-108LF 	YES														
10091812-118 	NO	SEE NOTES 6 & 15						TELCORDIA UE							
10091812-118LF 	YES														
10091812-508 	NO	SEE NOTES 6 & 14													
10091812-508LF 	YES														
10091812-518 	NO	SEE NOTES 6 & 15													
10091812-518LF 	YES														

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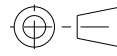
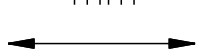
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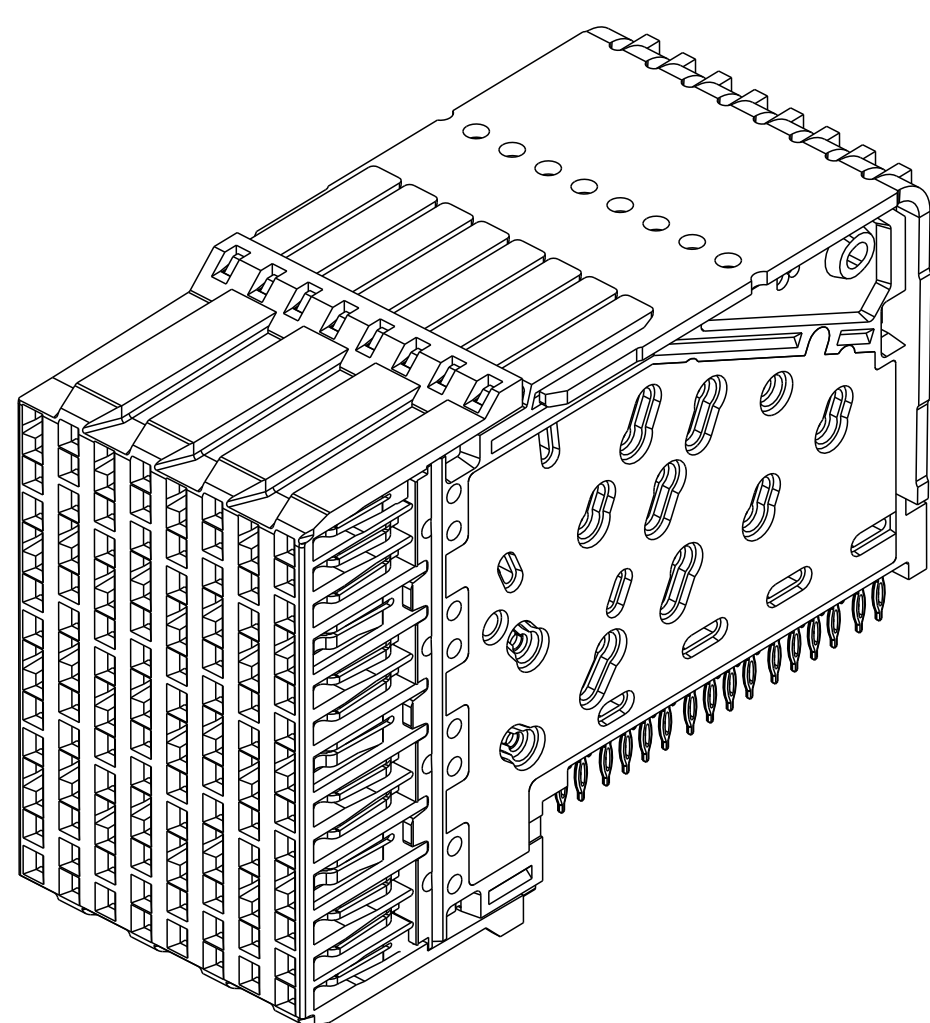
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PDS: Rev :B

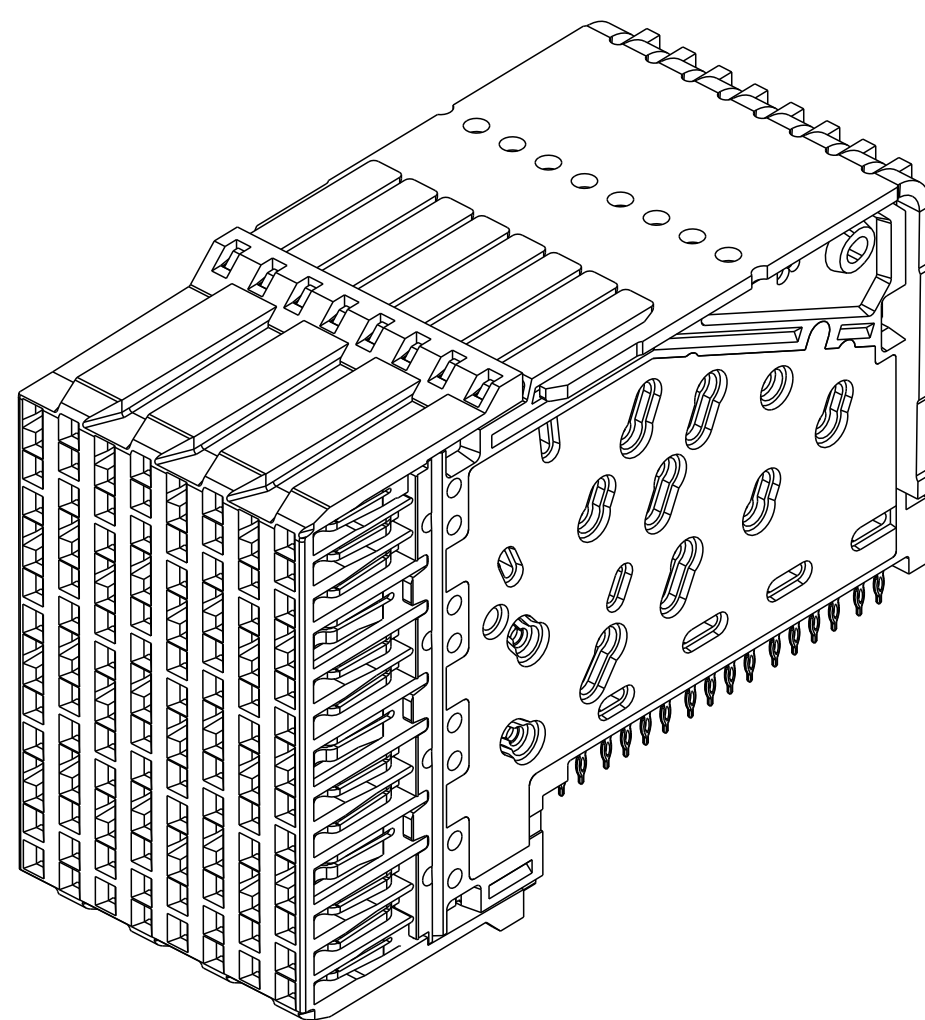
STATUS:Released

Printed: May 02, 2012

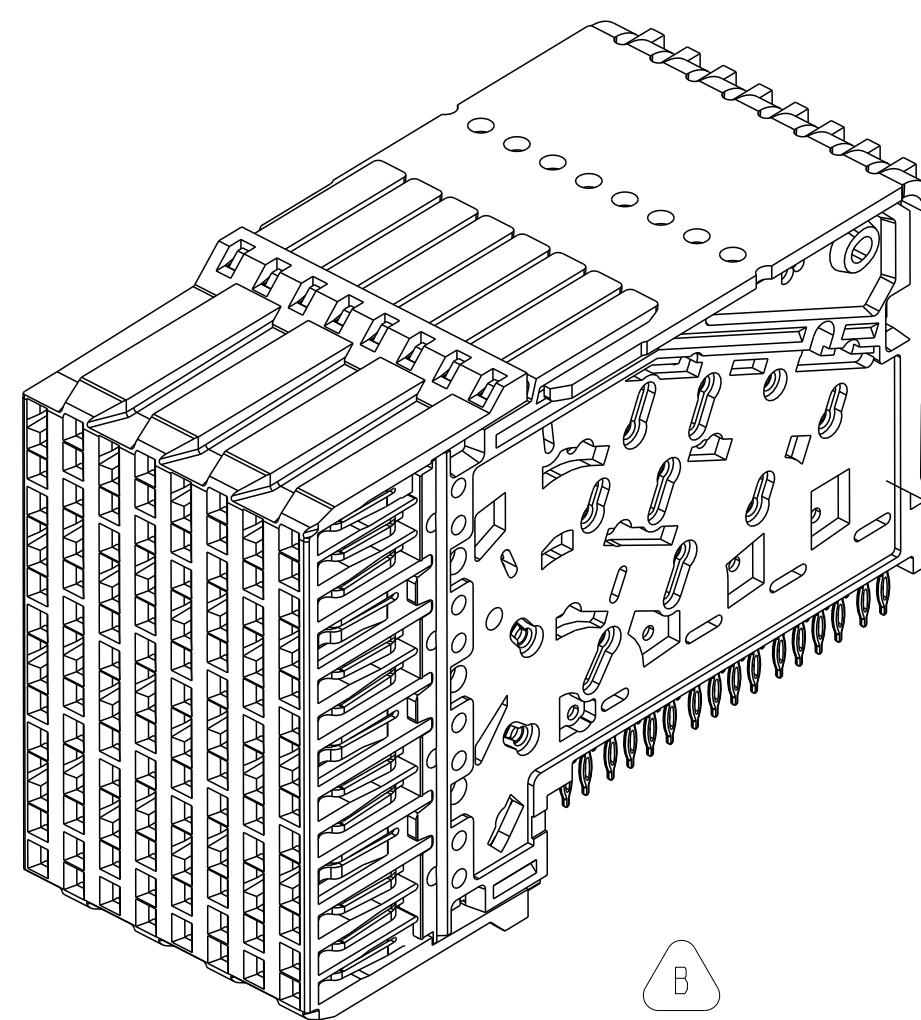
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tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Matthew Cheong	2012/04/30			ecn no	ELX-S-011489-1			
ASME Y14.5				chr	-	-				product family	XCede	rel lev	Released
				appr	Chen-Hong Tan	2012/04/30							
surface		linear	0.X	±-		RECEIPT MODULE, RIGHT ANGLE	diag no	10091812	rev	B			
			0.XX	±-									
			0.XXX	±-									
ASME Y14.5	angular	0°	±-°	www.fci.com	cat. no.	SEE PART NUMBER TABLE	Product - Customer Drw		sheet 4 of 6				



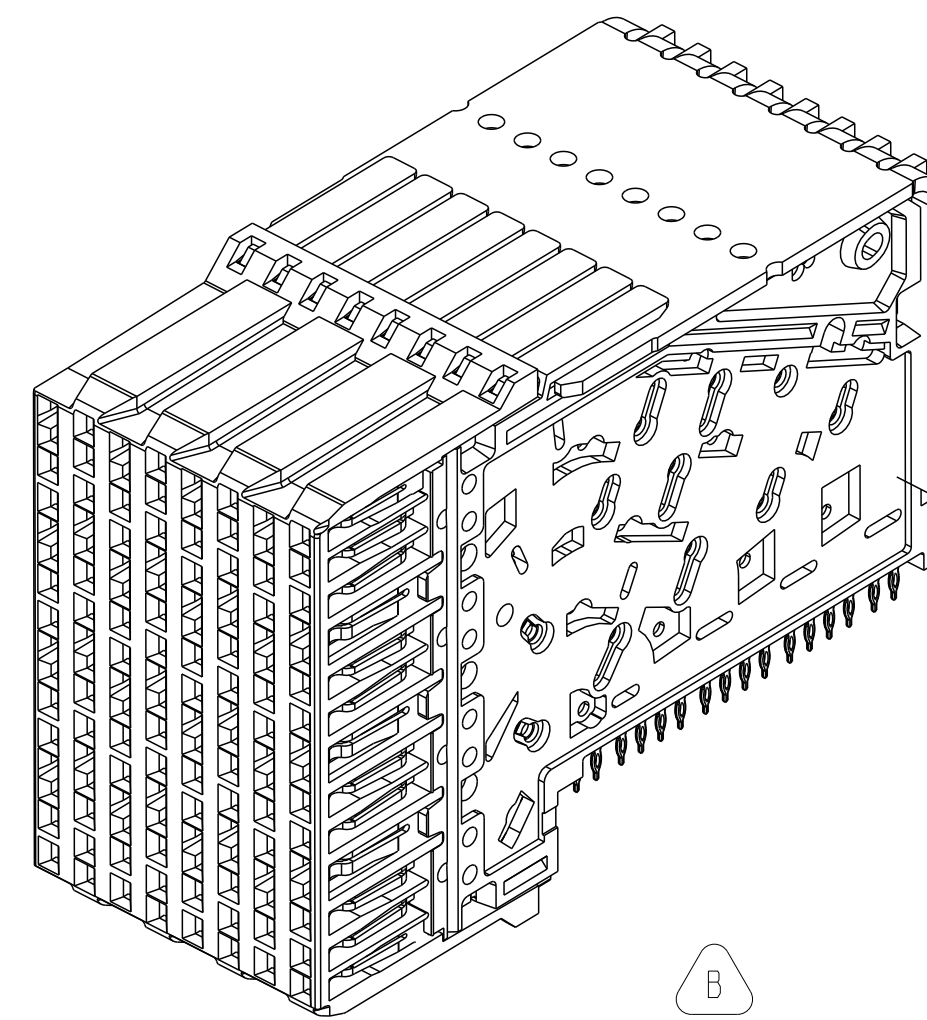
10091812-X01 & -X05
HSD / 100Ω & 85Ω / STD EON
SEE NOTE 14



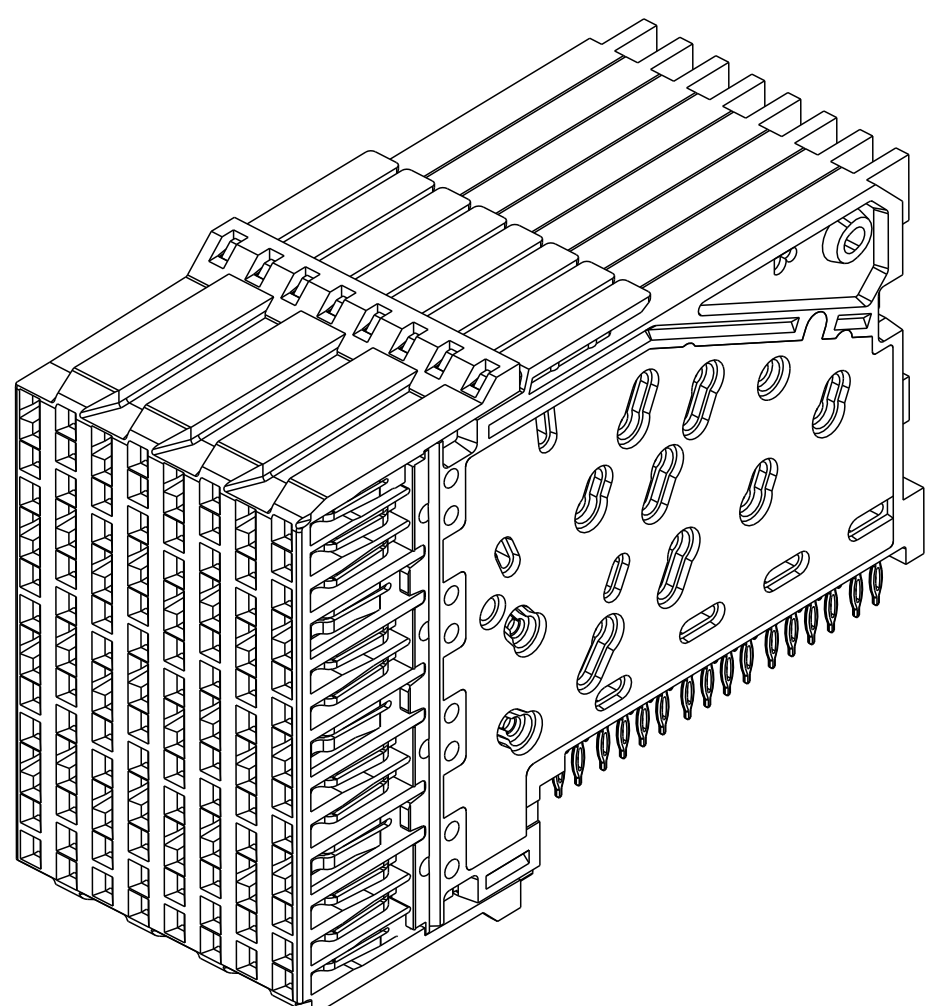
10091812-X02 & X06
HSD / 100Ω & 85Ω / MICRO EON
SEE NOTE 14



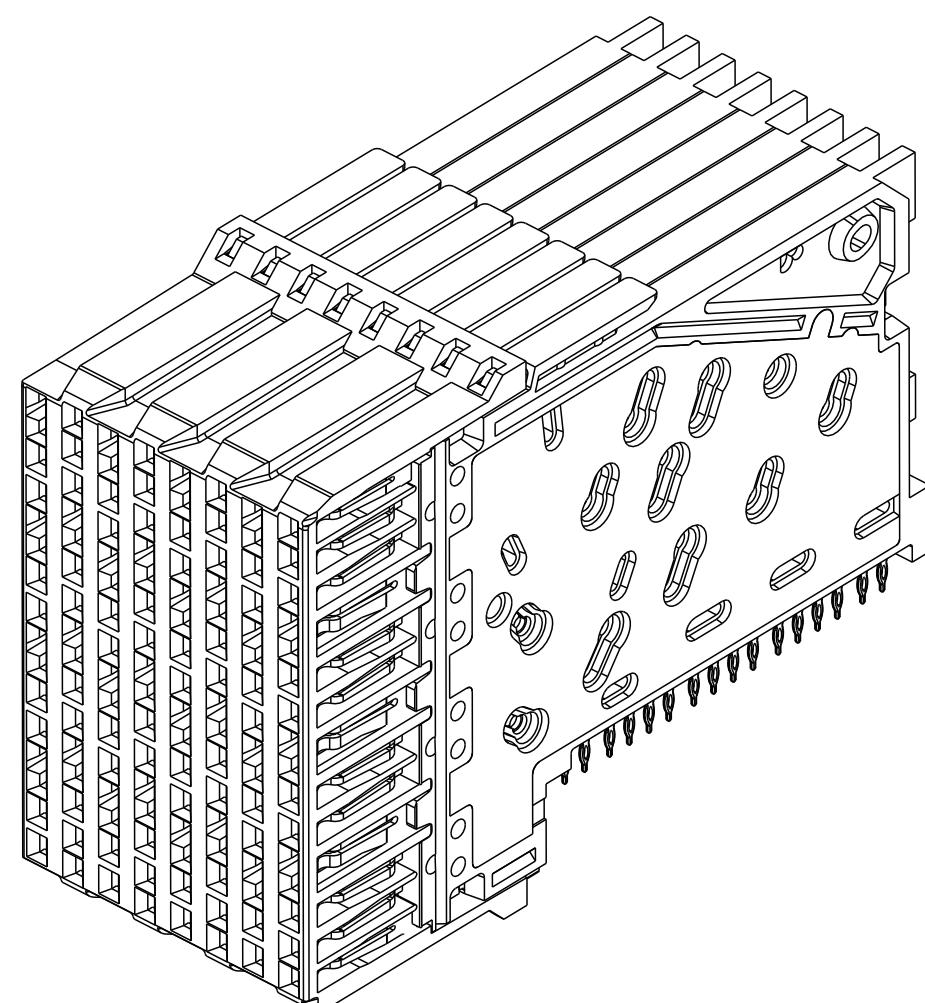
10091812-X03 & X07
LC / 100Ω & 85Ω / STD EON
SEE NOTE 14



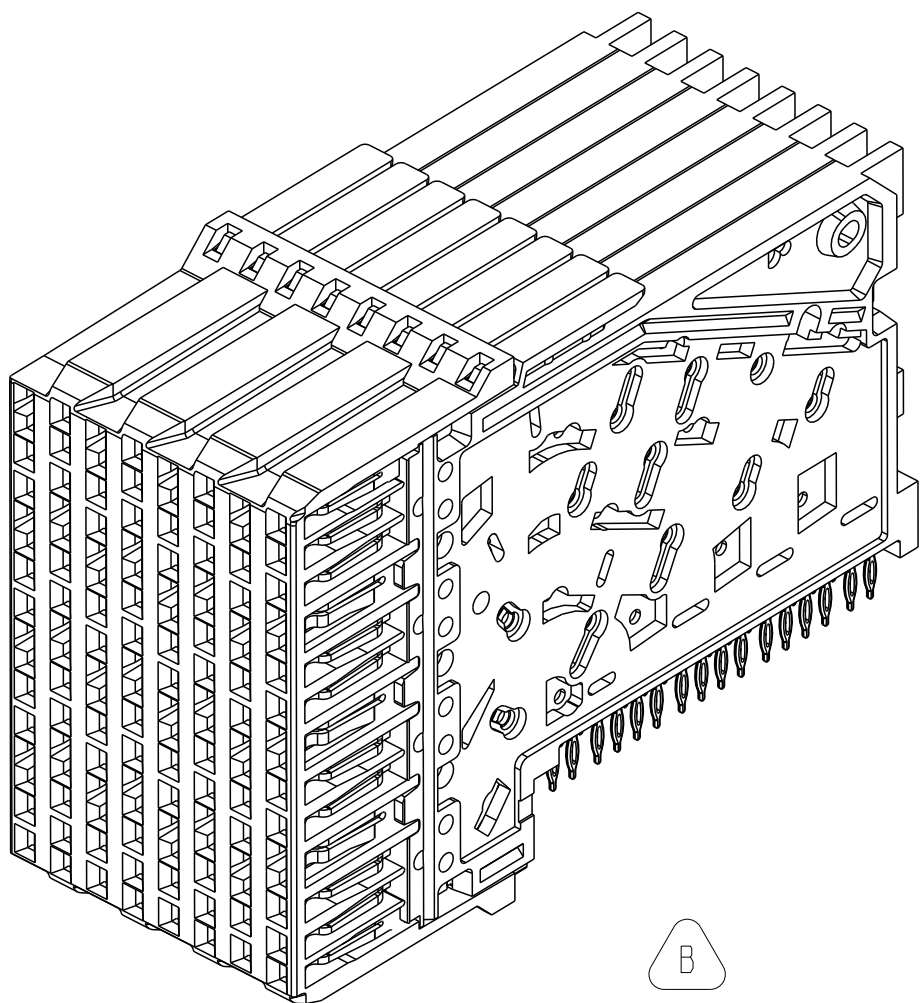
10091812-X04 & X08
LC / 100Ω & 85Ω / MICRO EON
SEE NOTE 14



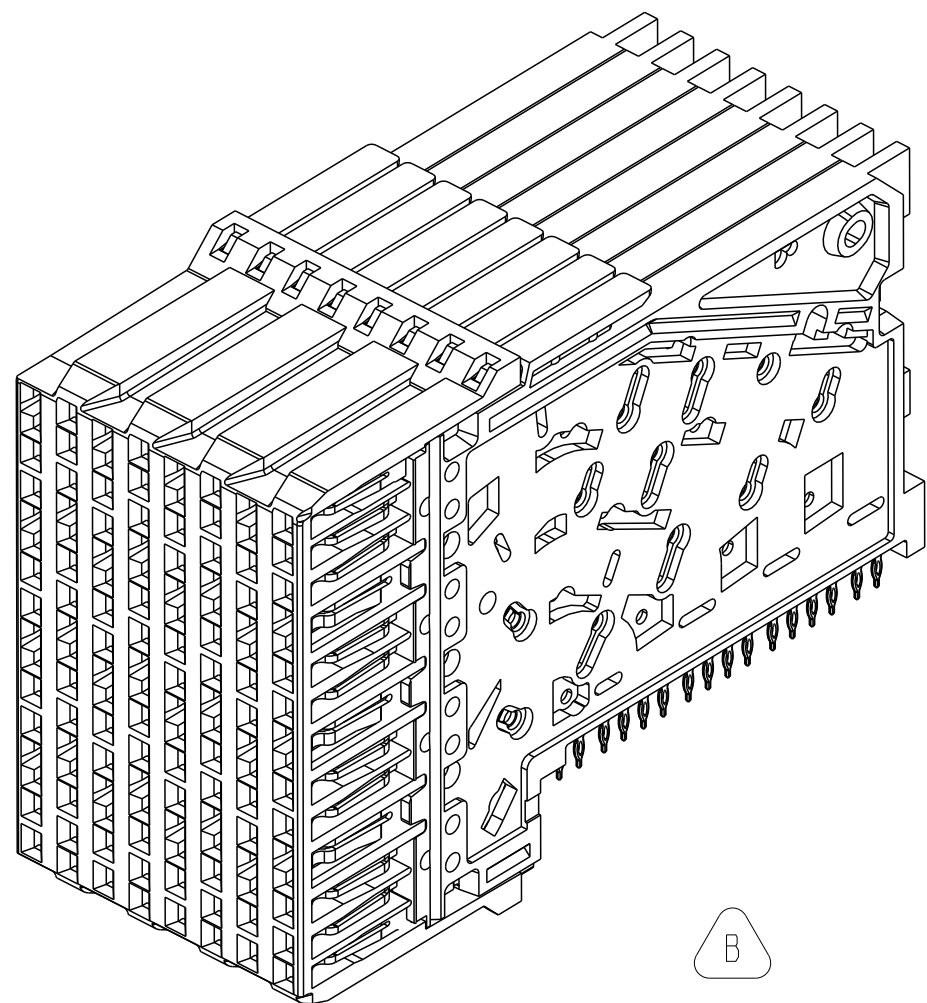
10091812-X11 & -X15
HSD / 100Ω & 85Ω / STD EON
SEE NOTE 15



10091812-X12 & X16
HSD / 100Ω & 85Ω / MICRO EON
SEE NOTE 15



10091812-X13 & X17
LC / 100Ω & 85Ω / STD EON
SEE NOTE 15



10091812-X14 & X18
LC / 100Ω & 85Ω / MICRO EON
SEE NOTE 15

spec ref	SEE NOTES			dr	Jim Swain	2010/01/22	projection	mm	size	A2	scale	3:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Matthew Cheong	2012/04/30			ecn no	ELX-S-011499-1	rel lev	Released	
ASME Y14.5				chr	-	-							
				appr	Chen-Hong Tan	2012/04/30	product family	XCede					
surface	linear	0.X	±		title	RECEPT MODULE, RIGHT ANGLE 8 COLUMN, 4 PAIR			dwg no	10091812			rev
		0.XX	±										
		0.XXX	±										
ASME Y14.5	angular	0°	±	www.fci.com	cat. no.	SEE P/N TABLES	Product - Customer Drw			sheet 5 of 6			

PDS: Rev :B

STATUS:Released

Printed: May 02, 2012



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NOTES:

1. CONNECTOR MATERIALS:

HOUSING: HIGH-TEMPERATURE THERMOPLASTIC, GRAY, UL 94V-0
WAFERS: HIGH-TEMPERATURE THERMOPLASTIC, GRAY, UL 94V-0
CONTACTS: HIGH-PERFORMANCE COPPER ALLOY
ORGANIZER: STAINLESS STEEL

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 TEST SEQUENCE.

PRESS-FIT TAILS: TIN-LEAD ALLOY OVER NICKEL OR TIN OVER NICKEL (LEAD FREE) AS NOTED. SEE "LEAD-FREE" COLUMN IN P/N TABLE.

3. PRODUCT SPECIFICATION: GS-12-588

4. APPLICATION SPECIFICATION: GS-20-121

5. PRODUCT MARKING: APPLIED TO CUSTOM MONOBLOCK ASSEMBLY

6. XCede® MODULES ARE DESIGNED TO BE STACKED INTO A MONOBLOCK ASSEMBLY, JOINED TOGETHER BY A COMMON STAMPED METAL ORGANIZER. INDIVIDUALLY ASSEMBLED MODULES ARE OFFERED FOR PURPOSES OF SAMPLING AND INITIAL DESIGN-IN EVALUATION AS IDENTIFIED IN THE PART NUMBER TABLE.

7. DRAWING IS INTENDED FOR LAYOUT PURPOSES ONLY.

8. STATED PAD SIZE MAY REQUIRE FILLETING. REFER TO FCI APPLCATION SPECIFICATION FOR ROUTING GUIDELINES.

9. SEE PCB REQUIREMENTS TABLE AND FCI APPLICATION SPECIFICATION GS-20-121 FOR PCB HOLE SPECIFICATIONS AND ROUTING GUIDELINES.

10. LEAD-FREE PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN FCI SPECIFICATION GS-22-008.

11. THE PLASTIC MATERIALS IN THIS PRODUCT WILL WITHSTAND EXPOSURE TO 260° PEAK TEMP FOR 40 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.

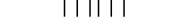
12. PACKAGING MEETS FCI SPECIFICATION GS-14-920 FOR LEAD-FREE LABELING.

13. THE SPECIFIED KEEP-OUT AREA IS REQUIRED FOR CONNECTOR REPAIRABILITY.

14. INDIVIDUAL MODULE ASSEMBLIES INCLUDING ASSEMBLED METAL ORGANIZER. THESE MODULES ARE TO BE USED FOR SAMPLING AND INITIAL EVALUATION ONLY. REF NOTE 6.

15. INDIVIDUAL MODULES TO BE SPECIFIED AND USED IN CUSTOM MONOBLOCK CONFIGURATIONS. REFERENCE NOTE 6 AND FCI APPLICATION SPECIFICATION FOR ADDITIONAL CONFIGURATION GUIDELINES AND INFORMATION.

16. A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTES WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

spec ref		SEE NOTES		dr		Jim Swain		2010/01/22		projection		size		scale						
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Matthew Cheong		2012/04/30						A2 3:1						
ASME Y14.5				chr		-														
				appr		Chen-Hong Tan		2012/04/30												
										product family		XCede		ecn no		ELX-S-011499-1				
														rel lev		Released				
surface			linear				title		RECEPT MODULE, RIGHT ANGLE 8 COLUMN, 4 PAIR		dwg no		10091812		rev					
																	0.X		±	
																	0.XX		±	
ASME Y14.5		angular		0°		±		0°								B				
						www.fci.com		cat. no.		SEE P/N TABLES		Product - Customer Drw		sheet 6 of 6						

Mouser Electronics

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[10091812-102LF](#)