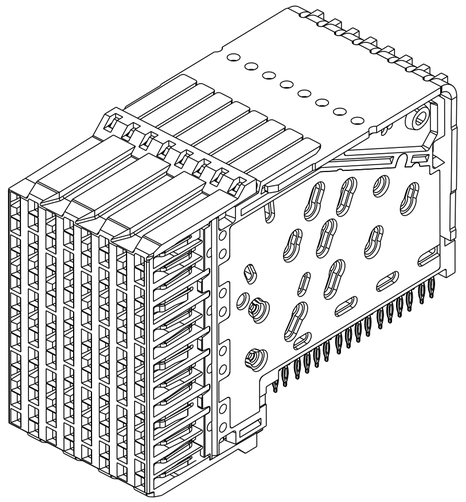
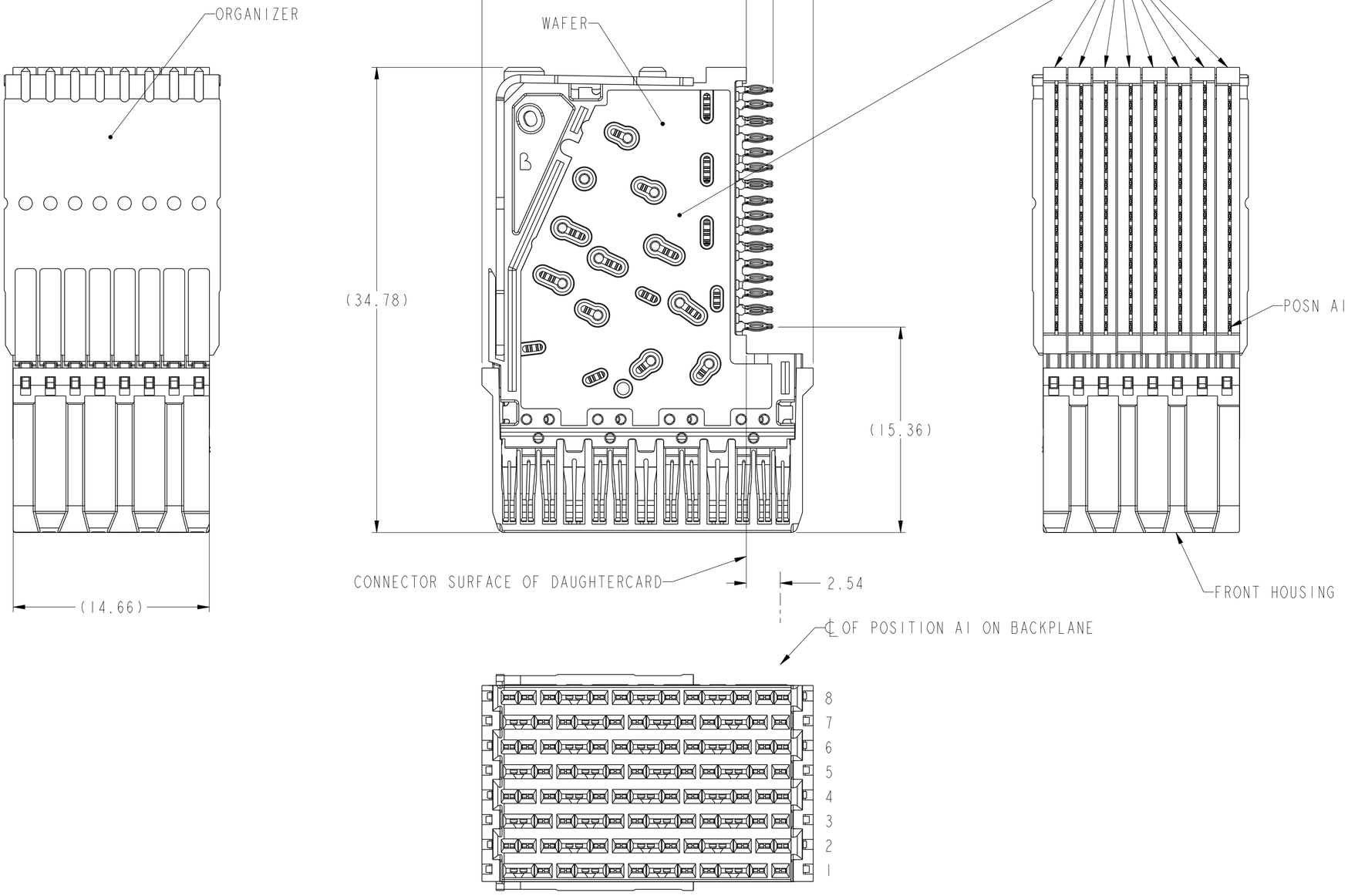
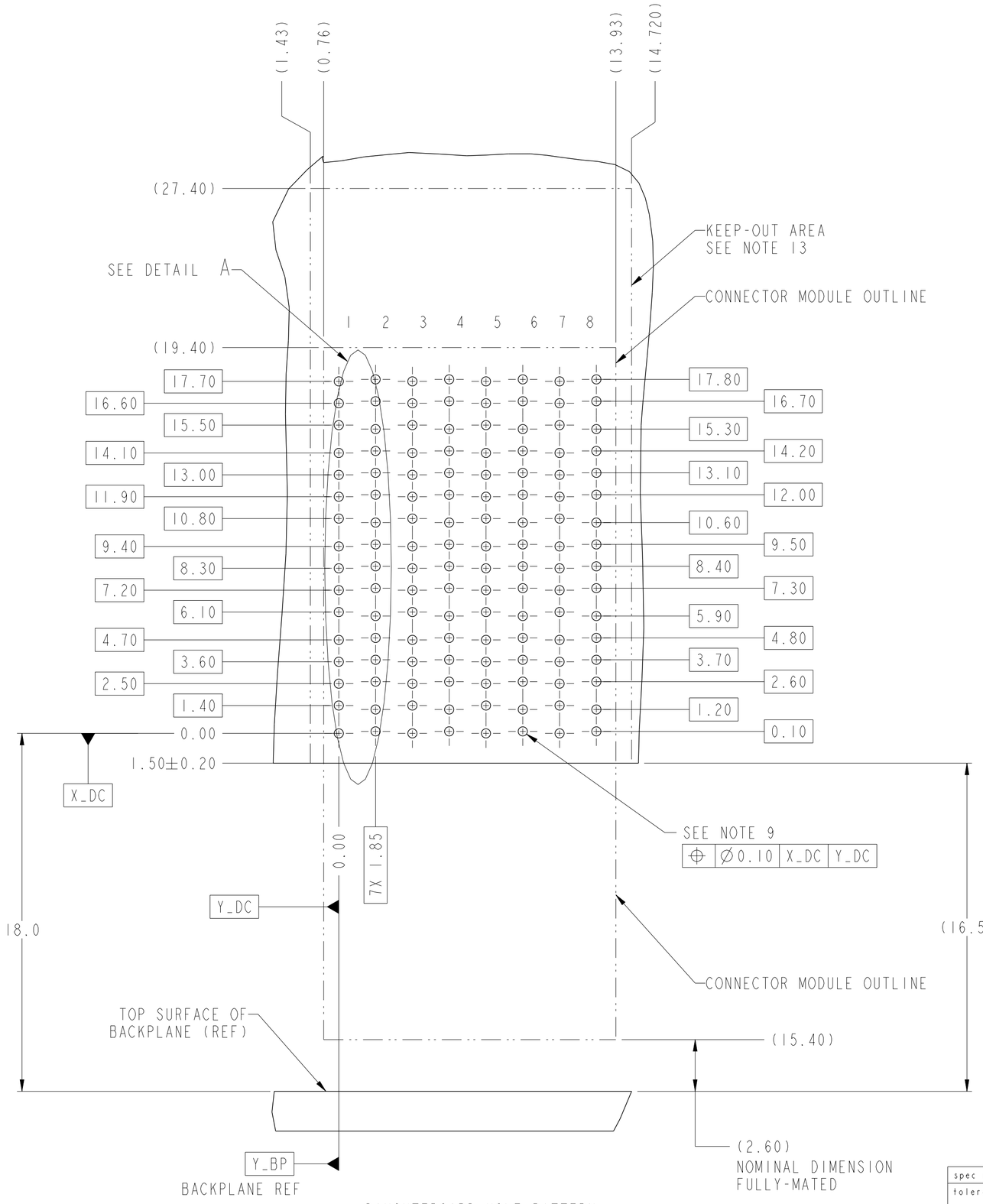


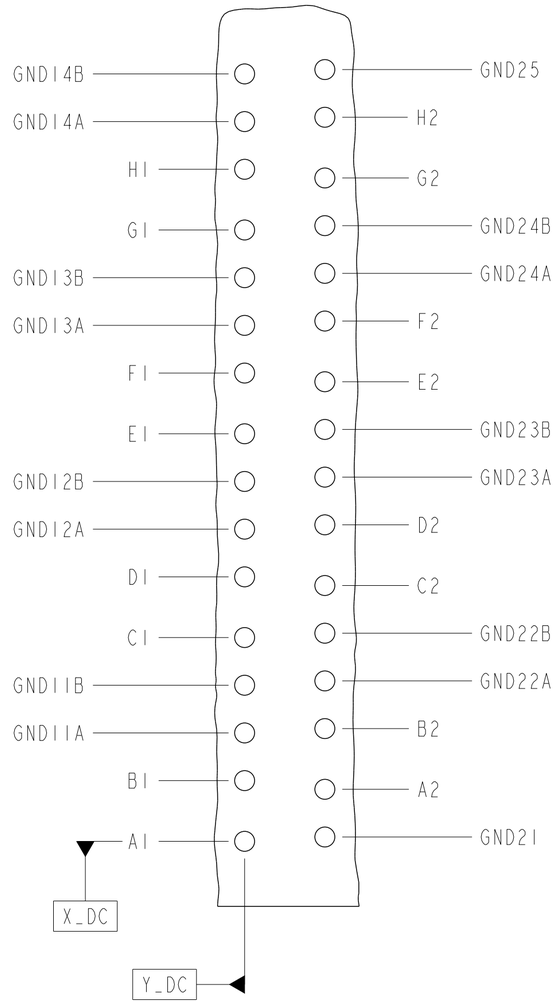
SCALE 3:1



spec ref	SEE NOTES			dr	Jim Swain	2010/01/22	projection
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Matthew Cheong	2012/04/30	mm
				chr	-	-	size A2 / scale 3:1
				appr	Chen-Hong Tan	2012/04/30	ecn no ELX-S-011499-1
				product family	XCede		rel lev C1 Released
surface - ASME Y14.5	linear	0.X	± -	FCI www.fci.com	title: RECEPT MODULE, RIGHT ANGLE 8 COLUMN, 4 PAIR		dwg no 10091812 / rev B
		0.XX	± -				
		0.XXX	± -				
	angular	0°	± - °	cat. no.	SEE P/N TABLES	Product - Customer Drw	sheet 1 of 6



DAUGHTERCARD HOLE PATTERN
CONNECTOR SIDE
SCALE 6:1
SEE NOTE 9



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

spec ref	SEE NOTES		dr	Jim Swain	2010/01/22	projection	mm
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Matthew Cheong	2012/04/30		
			chr	-	-	size A2	scale 3:1
			appr	Chen-Hong Tan	2012/04/30	ecn no ELX-S-011499-1	
surface - ASME Y14.5	linear	0.X ±-				product family XCede	rel lev Released
		0.XX ±-					
		0.XXX ±-					
	angular	0° ±-°					

www.fci.com	cat. no. SEE P/N TABLES	Product - Customer Drw	sheet 2 of 6

title: RECEPT MODULE, RIGHT ANGLE
8 COLUMN, 4 PAIR

dwg no 10091812 rev B

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	HSD	100Ω	MICRO 0.45 (.0177")	1.3	TELCORDIA CO
10091812-102LF	YES						
10091812-112	NO	SEE NOTES 6 & 15					
10091812-112LF	YES						
10091812-502	NO	SEE NOTES 6 & 14					TELCORDIA UE
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")	2.0	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")	1.3	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						

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

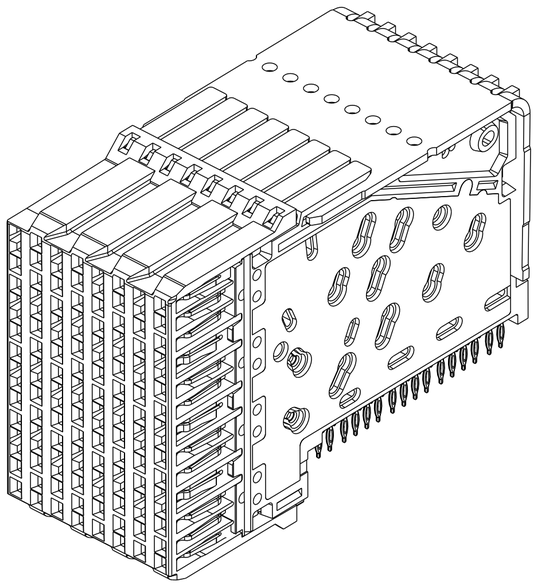
ASSEMBLY PART NUMBER	LEAD-FREE	MODULE DESCRIPTION AND USAGE NOTES	VERSION	IMPEDANCE	COMPLIANT TAIL STYLE AND PCB DRILL DIAMETER	DIM "K" (TAIL LENGTH)	REMARKS
10091812-105	NO	SEE NOTES 6 & 14	HSD	85Ω	STANDARD 0.57 (.0225")	2.0	TELCORDIA CO
10091812-105LF	YES						
10091812-115	NO	SEE NOTES 6 & 15					
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					
10091812-116LF	YES						
10091812-506	NO	SEE NOTES 6 & 14					TELCORDIA UE
10091812-506LF	YES						
10091812-516	NO	SEE NOTES 6 & 15					
10091812-516LF	YES						
10091812-107 (B)	NO	SEE NOTES 6 & 14	LC	85Ω	STANDARD 0.57 (.0225")	2.0	TELCORDIA CO
10091812-107LF (B)	YES						
10091812-117 (B)	NO	SEE NOTES 6 & 15					
10091812-117LF (B)	YES						
10091812-507 (B)	NO	SEE NOTES 6 & 14					TELCORDIA UE
10091812-507LF (B)	YES						
10091812-517 (B)	NO	SEE NOTES 6 & 15					
10091812-517LF (B)	YES						
10091812-108 (B)	NO	SEE NOTES 6 & 14	LC	85Ω	MICRO 0.45 (.0177")	1.3	TELCORDIA CO
10091812-108LF (B)	YES						
10091812-118 (B)	NO	SEE NOTES 6 & 15					
10091812-118LF (B)	YES						
10091812-508 (B)	NO	SEE NOTES 6 & 14					TELCORDIA UE
10091812-508LF (B)	YES						
10091812-518 (B)	NO	SEE NOTES 6 & 15					
10091812-518LF (B)	YES						

PCB REQUIREMENTS		
ATTRIBUTE	STANDARD TAIL	MICRO TAIL
DRILL	∅0.57 (.0225")	∅0.45 (.0177")
PTH	∅0.46±0.05	∅0.36±0.05
PAD SEE NOTE 8	∅0.88	∅0.75
MIN PCB THICKNESS	1.60	1.10

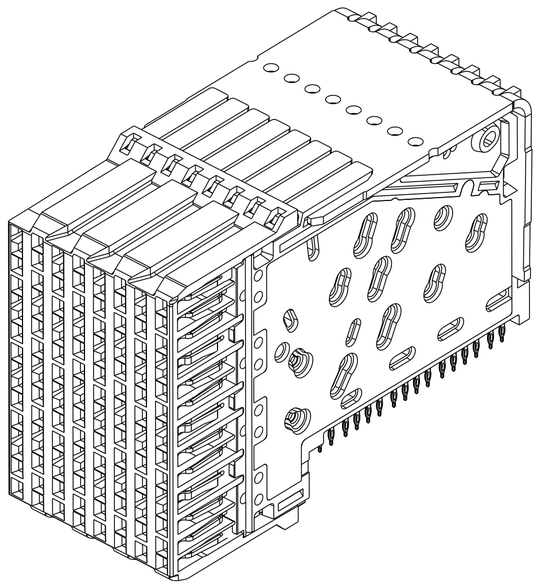
spec ref	SEE NOTES	dr	Jim Swain	2010/01/22	projection: mm
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Matthew Cheong	2012/04/30	size: A2
		chr	-	-	scale: 2:1
		appr	Chen-Hong Tan	2012/04/30	ecn no: ELX-S-011499-1
					product family: XCede
					rel level: Released
surface ASME Y14.5	linear: 0.X ±-; 0.XX ±-; 0.XXX ±-	angular: 0° ±-°			

title	RECEPT MODULE, RIGHT ANGLE 8 COLUMN, 4 PAIR	dwg no	10091812
www.fci.com	cat. no. SEE PART NUMBER TABLE	Product - Customer Drw	sheet 4 of 6

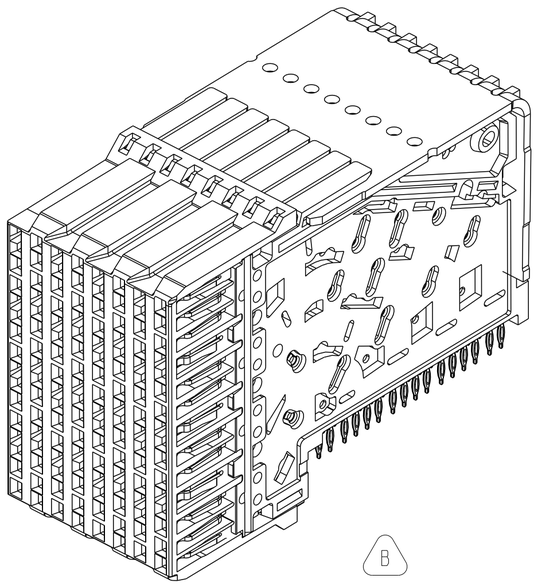
rev B



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

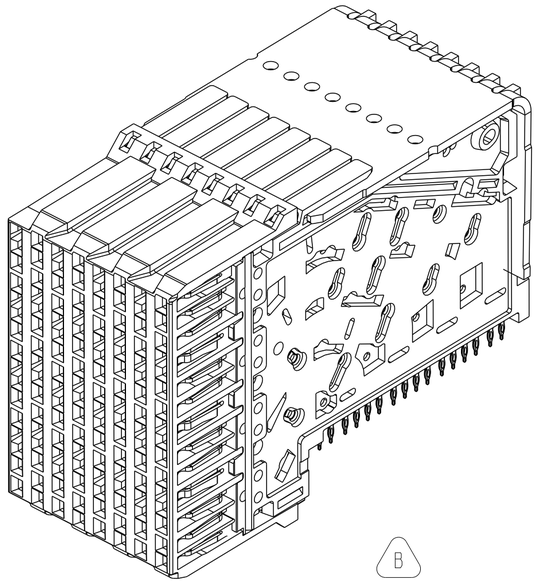


10091812-X02 & X06
HSD / 100Ω & 85Ω / MICRO EON
SEE NOTE 14



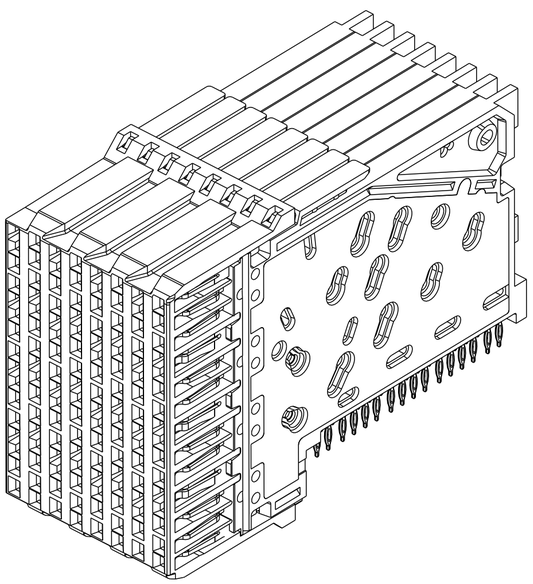
B

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

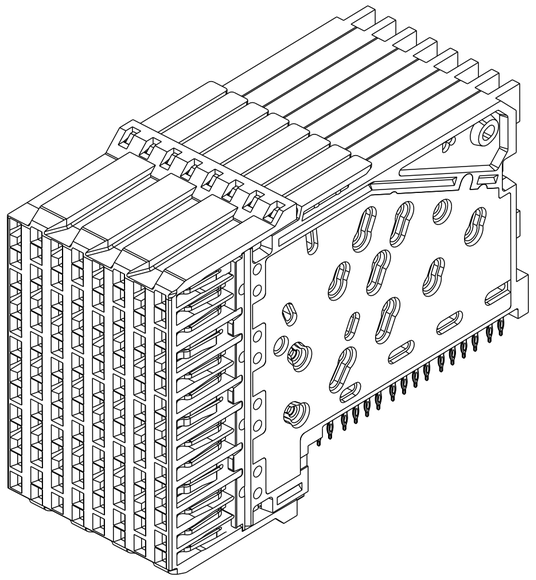


B

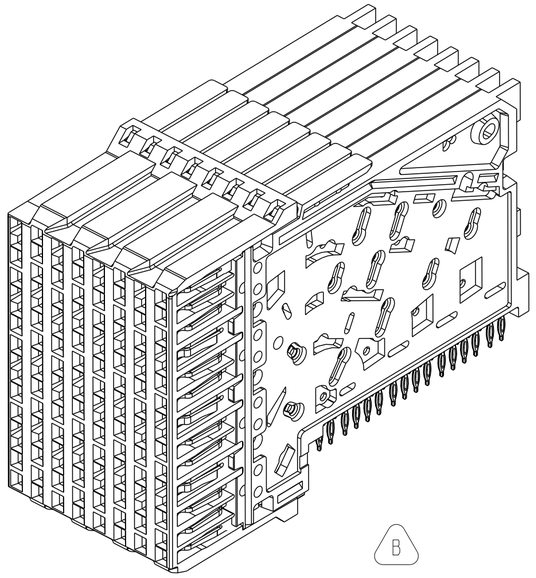
10091812-X04 & X08
LC / 100Ω & 85Ω / MICRO EON
SEE NOTE 14



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

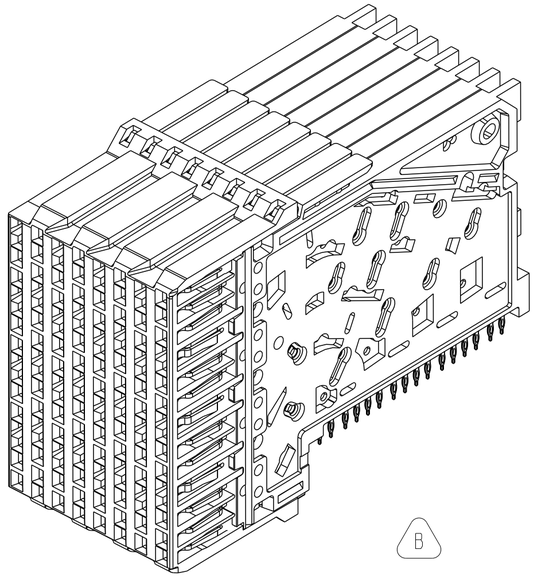


10091812-X12 & X16
HSD / 100Ω & 85Ω / MICRO EON
SEE NOTE 15



B

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



B

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 ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Matthew Cheong	2012/04/30			ecn no	ELX-S-011499-1
				chr	-	-				
				appr	Chen-Hong Tan	2012/04/30	product family	XCede	rel level	Released
surface ASME Y14.5	linear	0.X	± -	FCI	title	RECEPT MODULE, RIGHT ANGLE	dwg no	10091812	rev B
		0.XX	± -			8 COLUMN, 4 PAIR			
		0.XXX	± -						
	angular	0°	± - °	www.fci.com	cat. no.	SEE P/N TABLES	Product - Customer Drw		sheet 5 of 6

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.

(B) 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	mm	size A2 / scale 3:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Matthew Cheong	2012/04/30			ecn no ELX-S-011499-1
				chr	-	-			
				appr	Chen-Hong Tan	2012/04/30	product family XCede		rel level C1 Released
surface - ASME Y14.5	linear	0.X	± -	FCI	title RECEPT MODULE, RIGHT ANGLE 8 COLUMN, 4 PAIR			dwg no 10091812	rev B
		0.XX	± -						
		0.XXX	± -						
	angular	0°	± - °	www.fci.com	cat. no. SEE P/N TABLES		Product - Customer Drw		sheet 6 of 6

Mouser Electronics

Authorized Distributor

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FCI / Amphenol:

10091812-104LF 10091812-107LF 10091812-105LF 10091812-108LF 10091812-106LF 10091812-102LF