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Stocking Distributor

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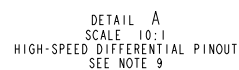
[FCI](#)
[10091844-102LF](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



Spec. ref. tolerance size		SEE NOTES		dr ASME Y14.5	dr ASME Y14.5	projection mm	size A2	scale 2:1
TOLERANCES UNLESS OTHERWISE SPECIFIED		TOLERANCES UNLESS OTHERWISE SPECIFIED		dr ASME Y14.5	dr ASME Y14.5	projection mm	size A2	scale 2:1
surface		linear	0.012	0.012	0.012	0.012	0.012	0.012
ASME Y14.5		angular	0°	0°	0°	0°	0°	0°
5		PDS: Rev. FALCOM		STATUS: Released		Printed: 06/07/2011		sheet 1 of 6



spec ref	SEE NOTES	dr	300 Series	2000000002	projection	mm	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	mat	Aluminum Cladding	2000000007			ech no			
ASME Y14.5		app1	2000000000	2000000007	product family	XCode	rel rev	A	Released	
surface	linear	FCI	RECEIPT MODULE, RIGHT ANGLE	4 COLUMN, 4 PAIR	NEW	10091844				
ASME Y14.5	angular	www.fcimag.com	cat 1	SEE PART NUMBER TABLE	Product	Customer	Design	sheet 2 of 2		

ASSEMBLY PART NUMBER		LEAD-FREE	MODULE DESCRIPTION AND USAGE NOTES	VERSION	IMPEDANCE	COMPLIANT TAIL STYLE AND PCB DRILL DIAMETER	DIM "K" (TAIL LENGTH)	REMARKS
A	10091844-101	NO	SEE NOTES 6 & 14	HSD	100Ω	STANDARD 0.57 (.0225")	2.0	TELECORDIA CO
	10091844-101LF	YES						
	10091844-111	NO	SEE NOTES 6 & 15					TELECORDIA UE
	10091844-111LF	YES						
10091844-501	NO	SEE NOTES 6 & 14						
10091844-501LF	YES							
10091844-511	NO	SEE NOTES 6 & 15						
10091844-511LF	YES							
B	10091844-102	NO	SEE NOTES 6 & 14	HSD	100Ω	MICRO 0.45 (.0177")	1.3	TELECORDIA CO
	10091844-102LF	YES						
	10091844-112	NO	SEE NOTES 6 & 15					TELECORDIA UE
	10091844-112LF	YES						
10091844-502	NO	SEE NOTES 6 & 14						
10091844-502LF	YES							
10091844-512	NO	SEE NOTES 6 & 15						
10091844-512LF	YES							
C	10091844-103	NO	SEE NOTES 6 & 14	LC	100Ω	STANDARD 0.57 (.0225")	2.0	TELECORDIA CO
	10091844-103LF	YES						
	10091844-113	NO	SEE NOTES 6 & 15					TELECORDIA UE
	10091844-113LF	YES						
10091844-503	NO	SEE NOTES 6 & 14						
10091844-503LF	YES							
10091844-513	NO	SEE NOTES 6 & 15						
10091844-513LF	YES							
D	10091844-104	NO	SEE NOTES 6 & 14	LC	100Ω	MICRO 0.45 (.0177")	1.3	TELECORDIA CO
	10091844-104LF	YES						
	10091844-114	NO	SEE NOTES 6 & 15					TELECORDIA UE
	10091844-114LF	YES						
10091844-504	NO	SEE NOTES 6 & 14						
10091844-504LF	YES							
10091844-514	NO	SEE NOTES 6 & 15						
10091844-514LF	YES							

spec ref	SEE NOTES		dr	John Smith	00000002	projection	mm	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Shashini Chetty	00000007		mm	pcn no	4-column, 4-pair		
ASME Y14.5			chr		00000007			product family	XCede	rel rev	Released
surface	linear	0.1 ±	0.1X ±	0.0XX ±		RECEIPT MODULE, RIGHT ANGLE		deg no	10091844		rev
ASME Y14.5	seeger	0 ±	0 ±	0 ±		4 COLUMN, 4 PAIR					B
			www.fci.com		cat. no. SEE PART NUMBER TABLE	Product - Customer Dwg		sheet 3 of 6			

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spec ref	SEE NOTES	dr	00000000	projection	mm	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	ang	00000000	product family	XCode	rel rev	0	Released	
ASME Y14.5		chr	00000000						
		appr	00000000						
surface	linear	0.X	±	 RECEPT MODULE, RIGHT ANGLE 4 COLUMN, 4 PAIR 10091844					
		0.XX	±						
		0.XXX	±						
ASME Y14.5	angular	0°	±	www.fci.com col. no. SEE PART NUMBER TABLE Product - Customer Drw sheet 3 of 6					

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STATUS: Released

Printed: Oct 07, 2011

ASSEMBLY PART NUMBER		LEAD-FREE	MODULE DESCRIPTION AND USAGE NOTES	VERSION	IMPEDANCE	COMPLIANT TAIL STYLE AND PCB DRILL DIAMETER	DIM "K" (TAIL LENGTH)	REMARKS
A	10091844-105	NO	SEE NOTES 6 & 14	HSD	85Ω	STANDARD 0.57 (.0225")	2.0	TELECORDIA CO
	10091844-105LF	YES						
	10091844-115	NO	SEE NOTES 6 & 15					TELECORDIA UE
	10091844-115LF	YES						
	10091844-505	NO	SEE NOTES 6 & 14					
	10091844-505LF	YES						
10091844-515	NO	SEE NOTES 6 & 15						
10091844-515LF	YES							
B	10091844-106	NO	SEE NOTES 6 & 14	HSD	85Ω	MICRO 0.45 (.0177")	1.3	TELECORDIA CO
	10091844-106LF	YES						
	10091844-116	NO	SEE NOTES 6 & 15					TELECORDIA UE
	10091844-116LF	YES						
	10091844-506	NO	SEE NOTES 6 & 14					
	10091844-506LF	YES						
10091844-516	NO	SEE NOTES 6 & 15						
10091844-516LF	YES							
C	10091844-107	NO	SEE NOTES 6 & 14	LC	85Ω	STANDARD 0.57 (.0225")	2.0	TELECORDIA CO
	10091844-107LF	YES						
	10091844-117	NO	SEE NOTES 6 & 15					TELECORDIA UE
	10091844-117LF	YES						
	10091844-507	NO	SEE NOTES 6 & 14					
	10091844-507LF	YES						
10091844-517	NO	SEE NOTES 6 & 15						
10091844-517LF	YES							
D	10091844-108	NO	SEE NOTES 6 & 14	LC	85Ω	MICRO 0.45 (.0177")	1.3	TELECORDIA CO
	10091844-108LF	YES						
	10091844-118	NO	SEE NOTES 6 & 15					TELECORDIA UE
	10091844-118LF	YES						
	10091844-508	NO	SEE NOTES 6 & 14					
	10091844-508LF	YES						
10091844-518	NO	SEE NOTES 6 & 15						
10091844-518LF	YES							

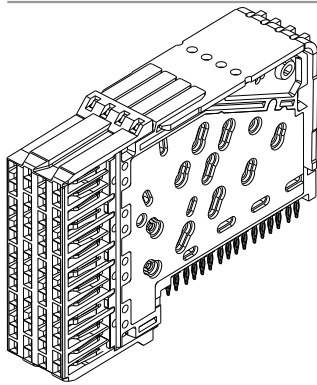
PCB REQUIREMENTS (SEE NOTE 11)		
ATTRIBUTE	STANDARD TAIL	MICRO TAIL
DRILL SIZE	Ø0.57 (.0225")	Ø0.45 (.0177")
PTH	Ø0.46±0.05	Ø0.36±0.05
PAD SEE NOTE 8	Ø0.88	Ø0.75
MIN PCB THICKNESS	1.60	1.10

spec ref	SEE NOTES	dr	dr	projection	mm	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	ang	ang			acc no			
ASME Y14.5		chr	chr	product family	XCode	rel rev	Q	Released	
surface	linear	0.X	±	FCI	RECEPT MODULE, RIGHT ANGLE 4 COLUMN, 4 PAIR	10091844	B		
	linear	0.XX	±						
	angular	0.XXX	±						
ASME Y14.5	angular	Ø	±	www.fci.com	col. no. SEE PART NUMBER TABLE	Product - Customer Drw	sheet 4 of 6		

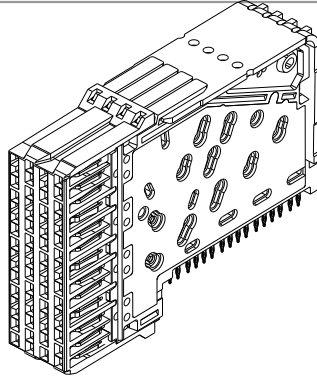
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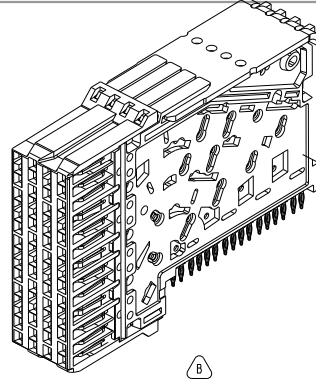
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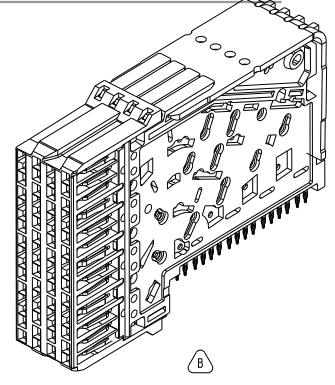
10091844-X01 & -X05
HSD / 100Ω & 85Ω / STD EON
SEE NOTE 14



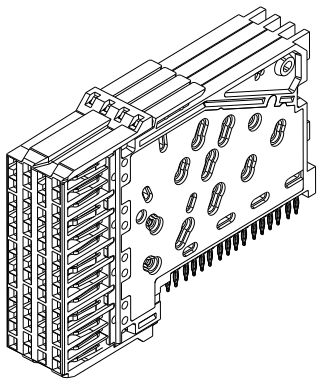
10091844-X02 & X06
HSD / 100Ω & 85Ω / MICRO EON
SEE NOTE 14



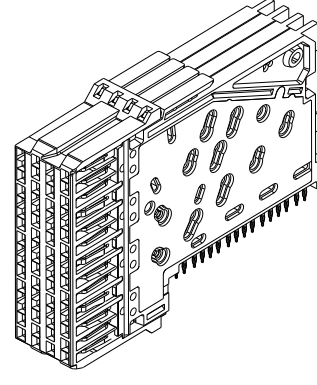
10091844-X03 & -X07
LC / 100Ω & 85Ω / STD EON
SEE NOTE 14



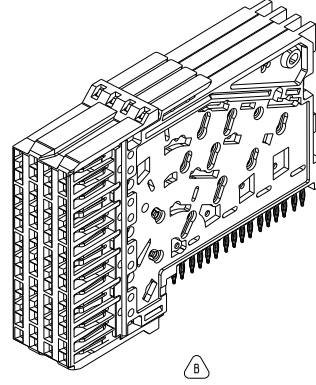
10091844-X04 & -X08
LC / 100Ω & 85Ω / MICRO EON
SEE NOTE 14



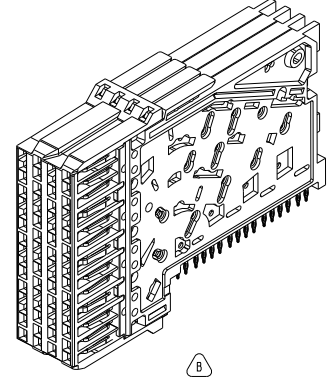
10091844-X11 & -X15
HSD / 100Ω & 85Ω / STD EON
SEE NOTE 15



10091844-X12 & X16
HSD / 100Ω & 85Ω / MICRO EON
SEE NOTE 15



10091844-X13 & -X17
LC / 100Ω & 85Ω / STD EON
SEE NOTE 15



10091844-X14 & -X18
LC / 100Ω & 85Ω / MICRO EON
SEE NOTE 15

spec ref	SEE NOTES	dr	chg	appr	projection	mm	size	scale
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	www.fci.com	www.fci.com	www.fci.com	product family	XCode	rel. rev	Released
ASME Y14.5								
surface	linear	0.1	±	0.1X	±	0.1XX	±	0.1XX
ASME Y14.5	angular	0°	±	0°	±	0°	±	0°
FCI RECEPT MODULE, RIGHT ANGLE 4 COLUMN, 4 PAIR col. no. SEE PART NUMBER TABLE Product - Customer Drw sheet 5 of 6								

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Printed: Oct 07, 2011

NOTES:

1. CONNECTOR MATERIALS:

HOUSING: THERMOPLASTIC, GRAY, UL 94V-0
WAFERS: 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 (ISSUE 2, DEC 2008) 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. XCode® 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 APPLICATION 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. REQUIREMENTS APPLY TO THE MAJORITY OF PCB FINISHES. SEE APPLICATION SPECIFICATION GS-20-121 FOR ADDITIONAL DETAILS AND EXCEPTIONS FOR LEAD-FREE HASL AND IMMERSION SILVER FINISHES.

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	date	projection	mm	size	scale
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	10/20/2011	1st angle	mm	A2	2:1
ASME Y14.5		chr	10/20/2011	product family	XCode	rel rev	Released
surface	linear	FCI	RECEPT MODULE, RIGHT ANGLE	deg	10091844	rev	B
ASME Y14.5	angular	www.fci.com	4 COLUMN, 4 PAIR	col. no. SEE PART NUMBER TABLE	Product - Customer Drw	sheet 6 of 6	

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