



* Detection pin of 3.9mm possible on standard positions H5
For other detection pin and options please consult FCI.

Partnumber \ Pinlayout	5.6mm Longpins (typ gnd)	3.9mm * Short pin (typ detect)	4.6mm Otherpins (typ sign)
10056100-1YZ0011(LF)	F1,F3,F5,F7,F9 G2,G4,G6,G8,G10	-	All other positions
10056100-1YZ0021(LF)	-	-	All positions
10056100-1YZ0031(LF)	F1,F3,F5,F7,F9 G2,G4,G6,G8,G10	H5	All other positions
10056100-1YZ0032(LF)	F1,F3,F5,F7,F9 G2,G4,G6,G8,G10	H5 (See Note 7)	All other positions

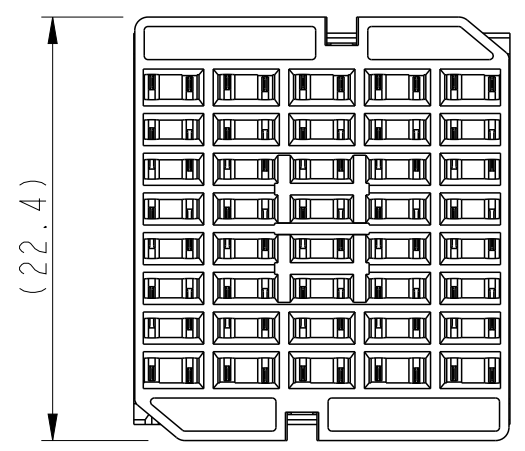


spec ref		RELEASE			dr		Matthew Cheong		2006/08/15		projection		mm		size		A3		scale		2:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		K R Mahoharan		2012/07/23						ecn no		ELX-S-012244-1						
ISO 406					chr		-		-														
ISO 1101					appr		Chen-Hong Tan		2012/10/12						product family		AirMax VS		rel level		Released		
surface				linear		0.X		±				title		AirMax VS VERTICAL HEADER		dwg no		10056100		rev		F	
				0.XX		±																	
ISO 1302				0.XXX		±																	
		angular		0°		±°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 2 of 5							

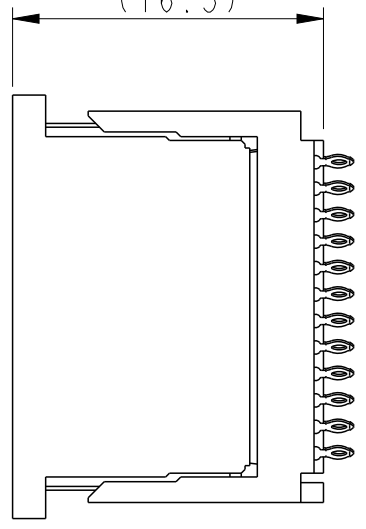


A

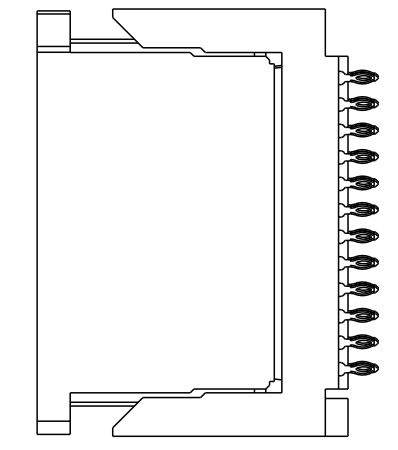
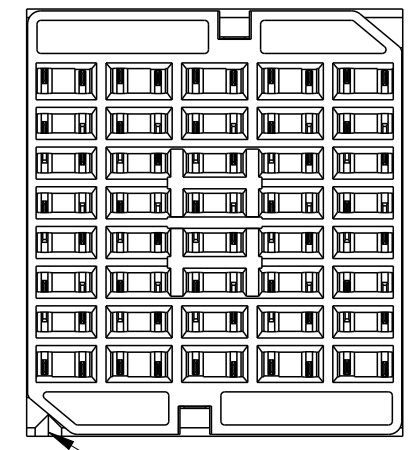
NARROW BODY



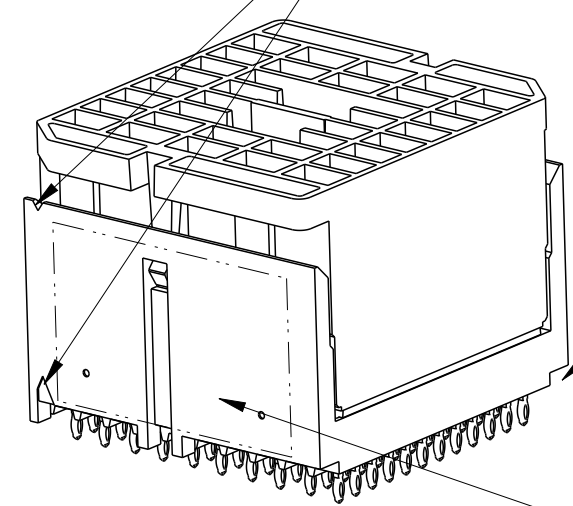
(16.5)



WIDE BODY



Triangle indicates position A1.
SEE NOTE 12.

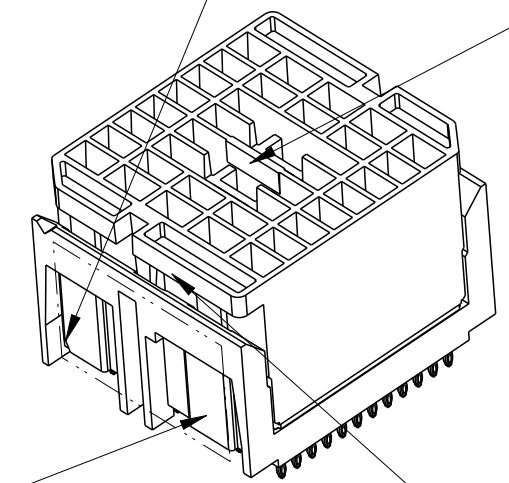


cut-out at opposite side
of A1 indicator.
SEE NOTE 12.





NOTE 5 & 12

Triangle indicates position A1.
SEE NOTE 12.

SEE NOTE 14.



SEE NOTE 13.

spec ref		RELEASE		dr	Matthew Cheong	2006/08/15	projection 	mm 	size	A3	scale	2:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	K R Mahoharan	2012/07/23			ecn no				ELX-S-012244-1
ISO 406 ISO 1101				chr	-	-			rel level				Released
				appr	Chen-Hong Tan	2012/10/12	product family		AirMax VS				
surface -  ISO 1302	linear	0.X	±		title	AirMax VS VERTICAL HEADER 4 pair, 120 pos, 2mm, 10 IMLA			dwg no	10056100		rev	F
		0.XX	±										
		0.XXX	±										
	angular		0°	±°	www.fci.com	cat. no.	-	Product - Customer Drw			sheet 3 of 5		

A

B

C

D

1

2

3

4

NARROW BODY

WIDE BODY

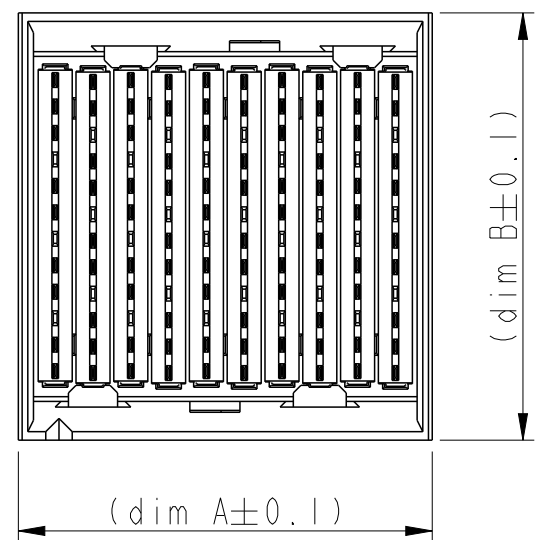
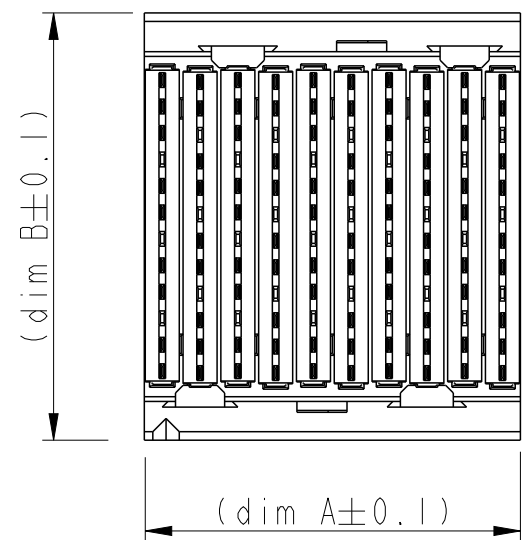
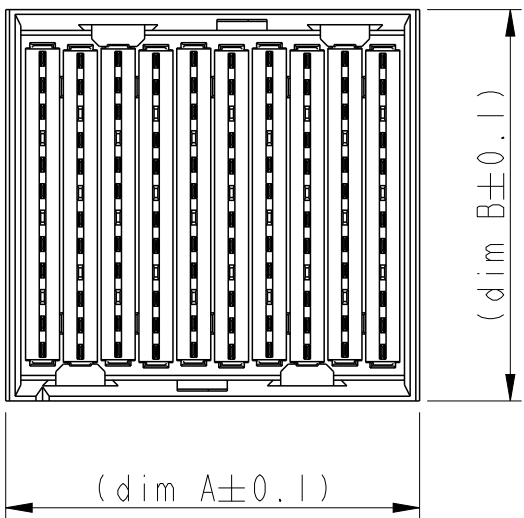
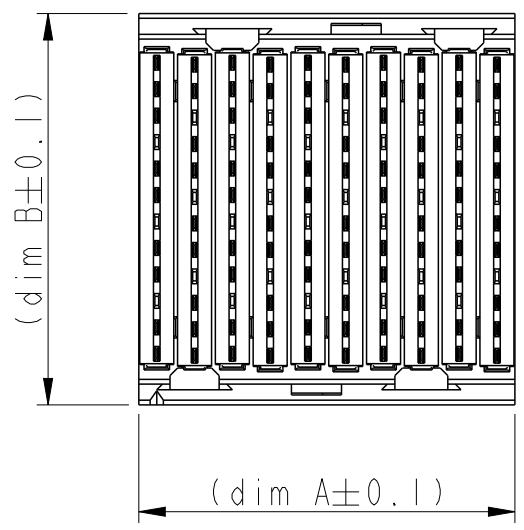
10056100 - 101ABCI

10056100 - 104ABCI

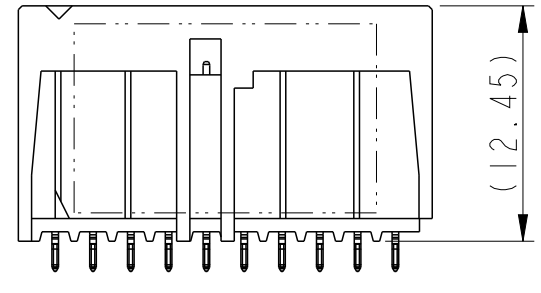
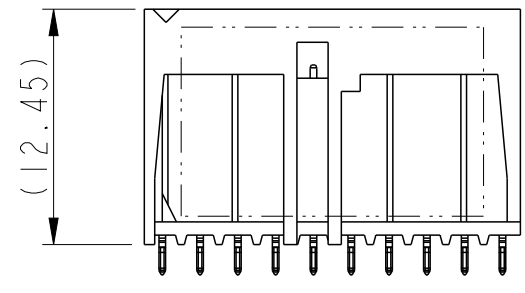
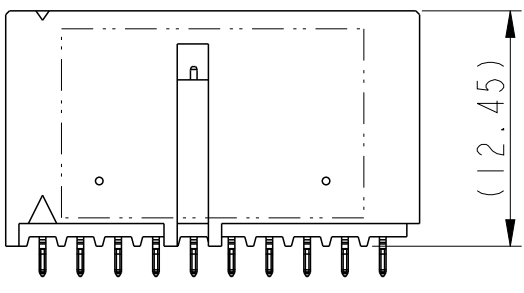
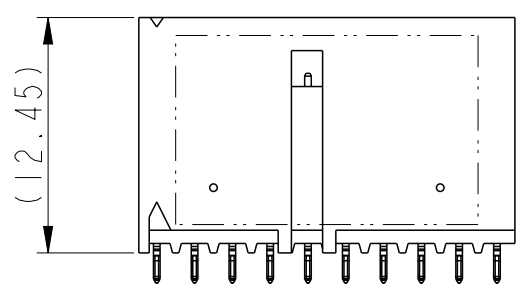
10056100 - 105ABCI

10056100 - 108ABCI

A



B



C

PN / dim	A	B
10056100-101ABCI(LF)	19.9	20.7
10056100-104ABCI(LF)	21.9	20.7
10056100-105ABCI(LF)	19.9	22.6
10056100-108ABCI(LF)	21.9	22.6

D

spec ref		RELEASE			dr		Matthew Cheong		2006/08/15		projection		mm		size		A3		scale		2:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		KR Mahoharan		2012/07/23						ecn no		ELX-S-012244-1					
ISO 406					chr		-		-						rel level		Released					
ISO 1101					appr		Chen-Hong Tan		2012/10/12										product family		AirMax VS	
surface		linear		0.X		±				title		AirMax VS VERTICAL HEADER		dwg no		10056100		rev		F		
				0.XX		±																
				0.XXX		±																
ISO 1302		angular		0°		±°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 4 of 5						

A

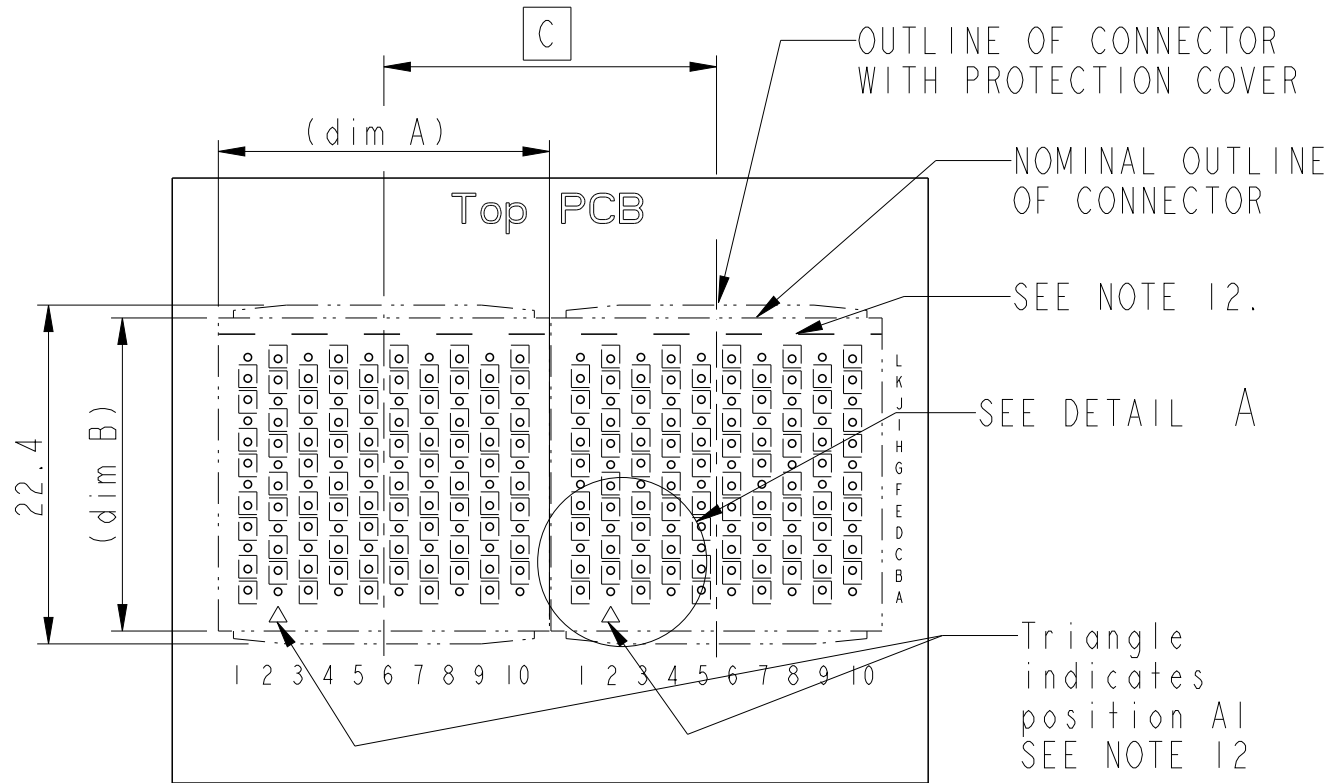
B

C

D

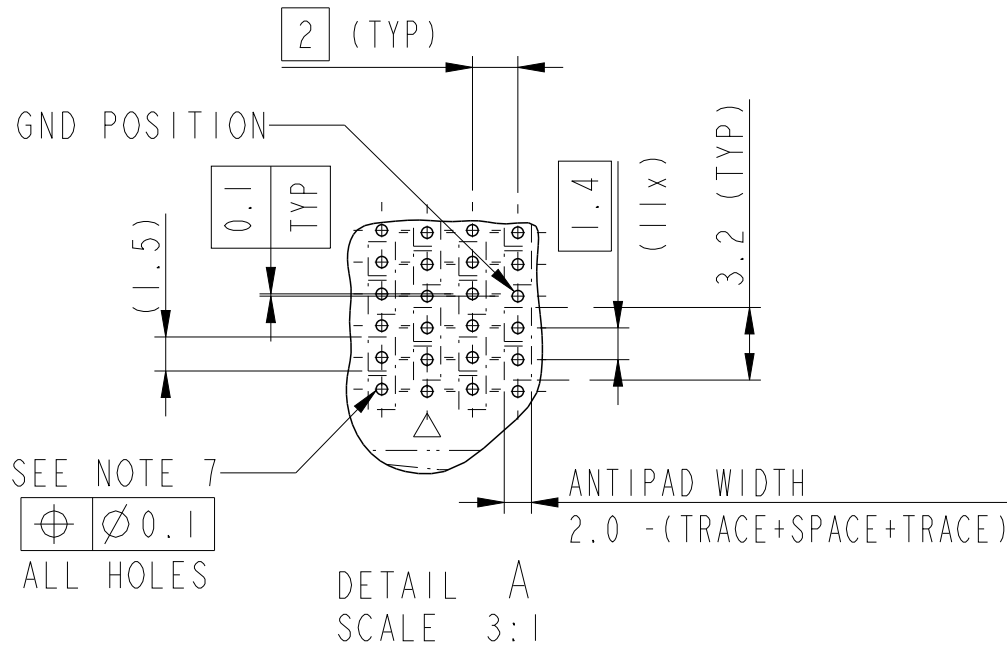


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RECOMMENDED PCB LAYOUT
FOR DIFFERENTIAL APPLICATIONS COMPONENT SIDE
(TWO ADJACENT FOOTPRINTS SHOWN)

PN \ dim	A	B	C
10056100-101ABCI(LF)	19.9	20.7	20
10056100-104ABCI(LF)	21.9	20.7	22
10056100-105ABCI(LF)	19.9	22.6	20
10056100-108ABCI(LF)	21.9	22.6	22



NOTES:

- CONNECTOR MATERIALS:
HOUSING : HIGH TEMP THERMOPLASTIC, NATURAL, UL94V-0
PROTECTION COVER : HIGH TEMP THERMOPLASTIC, BLACK, UL94V-0
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK UL94V-0
CONTACT: COPPER ALLOY
- CONTACT PLATING:
SEPARABLE INTERFACE: PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-239, INCLUDING TELCORDIA GR-1217-CORE (NOV 1995)
CENTRAL OFFICE TEST SEQUENCE.
PRESS-FIT TAILS: TIN-LEAD (NON LEAD FREE) OR TIN OVER NICKEL (LEAD FREE)
- PRODUCT SPECIFICATION: GS-12-239.
- APPLICATION SPECIFICATION: GS-20-035. FLATROCK INSERTION INTO PCB BY PUSHING ON TOP OF SURFACE PROTECTION COVER
- PRODUCT MARKING, (PARTNUMBER & LOTCODE).
- PROTECTION COVER MUST BE REMOVED BEFORE MATING WITH RECEPTACLE CONNECTOR
- SEE CUSTOMER DRAWING 10045979 FOR INFORMATION ON PCB HOLE DIAMETER AND PLATING OPTIONS.
- LEAD FREE PARTNUMBERS MEETS THE EUROPEAN UNION DIRECTIVE AS DESCRIBED IN GS-22-008, SUB CLAUSE 3.2
- THE HOUSING SHOULD WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 40 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- PACKAGE PER GS-14-1086 AND GS-14-920 LEAD FREE LABELING SPEC.
- THERE IS NO GROUND BUSSING WITHIN THE CONNECTOR SYSTEM.
- IT IS RECOMMENDED TO PUT THIS VISIBLE LINE AND THE A1 INDICATION (TRIANGLE) ON THE PCB TO INDICATE PROPER ORIENTATION. OTHER VISIBLE POLARIZATION MARKS ARE A1 INDICATOR AND PRINTING SIDE. (SEE SHEET 3)
- GRIPPING FEATURE TO REMOVE PROTECTION COVER BY FINGERS.
- GRIPPING FEATURE TO REMOVE PROTECTION COVER BY STANDARD PLIERS.
- A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.
- THIS IS A CUSTOMER SPECIAL HOUSING TO BE LAZER MARKED WITH A SINGLE STRIP (1).

spec ref	RELEASE	dr	Matthew Cheong	2006/08/15	projection	mm	size	A3	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	K R Mahoharan	2012/07/23			ecn no	ELX-S-012244-1		
ISO 406		chr	-	-			rel level	Released		
ISO 1101		appr	Chen-Hong Tan	2012/10/12	product family	AirMax VS				
surface	linear	0.X	±		www.fci.com	AirMax VS VERTICAL HEADER	cat. no.	-	Product - Customer Drw	sheet 5 of 5
	0.XX	±				4 pair, 120 pos, 2mm, 10 IMLA				
	0.XXX	±								
ISO 1302	angular	0°	±°							