

1

2

3

4

A

B

C

D

A

B

C

D

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

Partnumber \ Pin layout	5.6mm Longpins (typ gnd)	3.9mm * Short pin (typ detect)	4.6mm Otherpins (typ sign)
10056103-IYZ0011(LF)	F1,F3,F5,F7,F9 G2,G4,G6,G8,G10	-	all other positions
10056103-IYZ0031(LF)	F1,F3,F5,F7,F9 G2,G4,G6,G8,G10	H5	all other positions
10056103-IYZ0032(LF)	F1,F3,F5,F7,F9 G2,G4,G6,G8,G10	H5 (See Note 7)	all other positions



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spec ref		CONCEPT			dr		Matthew Cheong		2006/11/16		<div>projection</div> <div></div>		<div>mm</div> <div></div>		size		A3		scale		2:1						
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		KR Mahoharan		2012/07/23						ecn no		ELX-S-012244-1										
					chr		-		-																		
ISO 406 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		10056103				rev		B	
				0.XX		±																					
				0.XXX		±																					
ISO 1302		angular		0°		±°		www.fci.com		cat. no.				Product - Customer Drw				sheet 2 of 5									

2

3

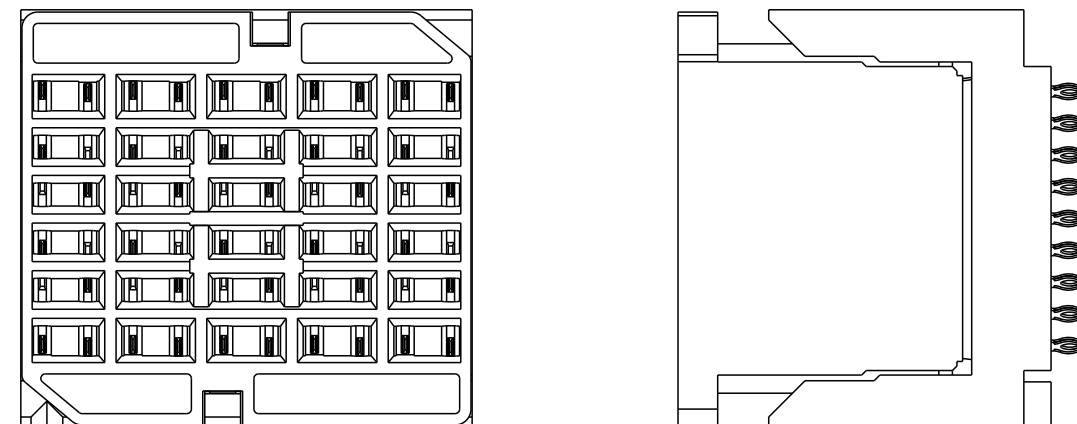
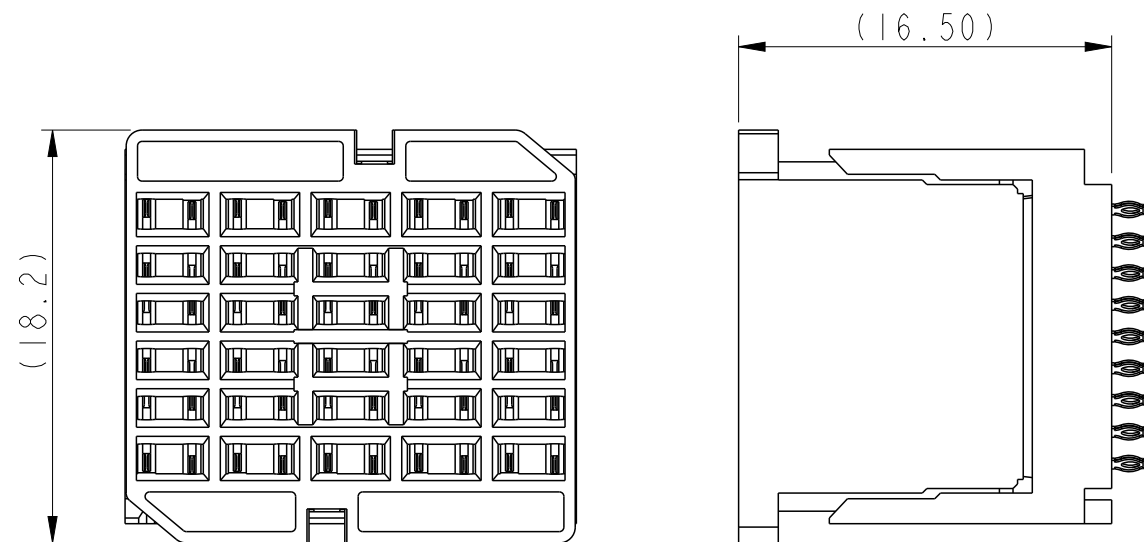
PDS: Rev :B

STATUS:Released

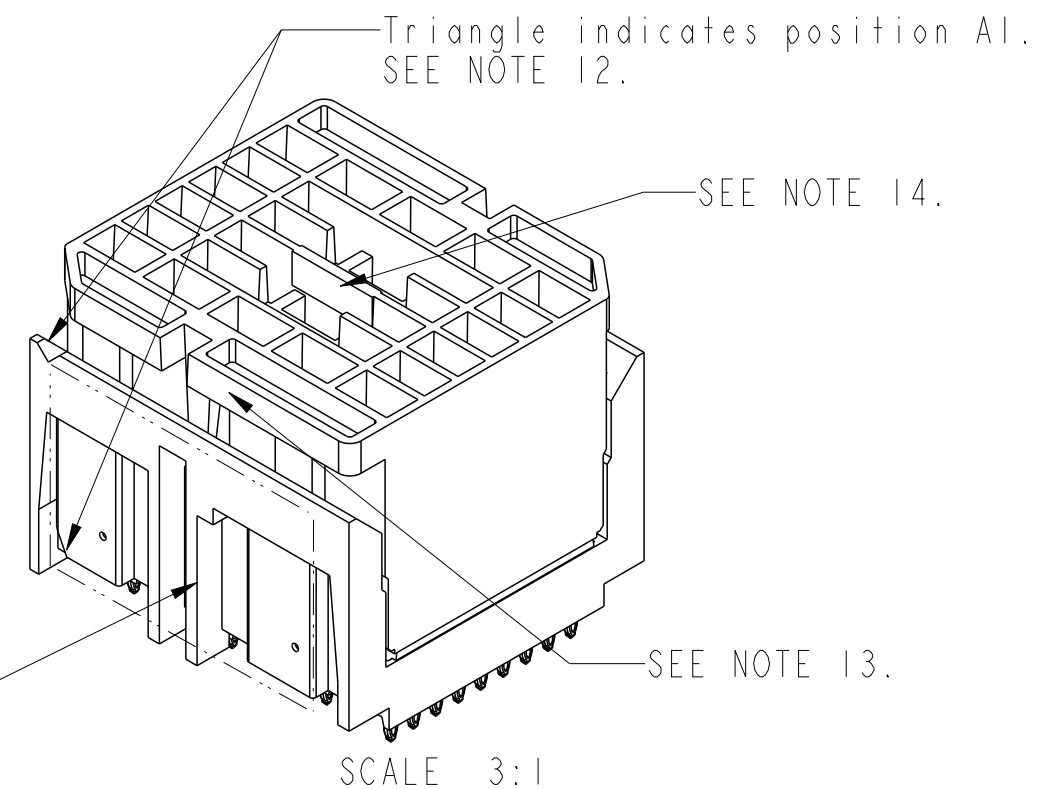
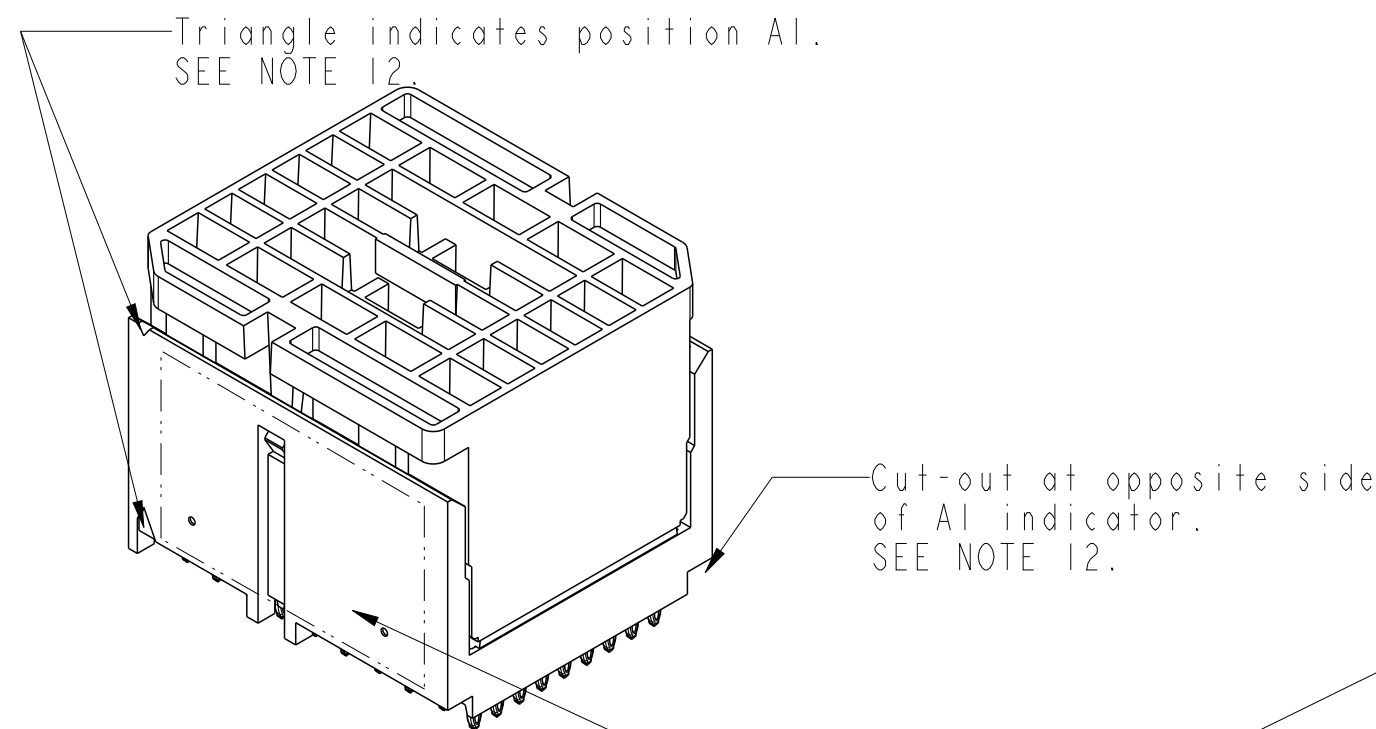
Printed: Oct 16, 2012

NARROW BODY

WIDE BODY



SCALE 3:1



spec ref		CONCEPT			dr		Matthew Cheong	2006/11/16	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		±				title					dwg no					10056103					rev		B	
			0.XX		±																						
			0.XXX		±																						
ISO 1302		angular	0°		±°		www.fci.com		cat. no.					Product - Customer Drw					sheet 3 of 5								

NARROW BODY

WIDE BODY

A

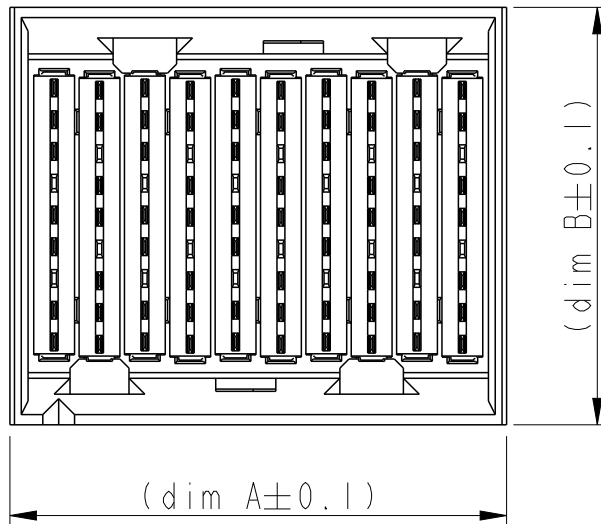
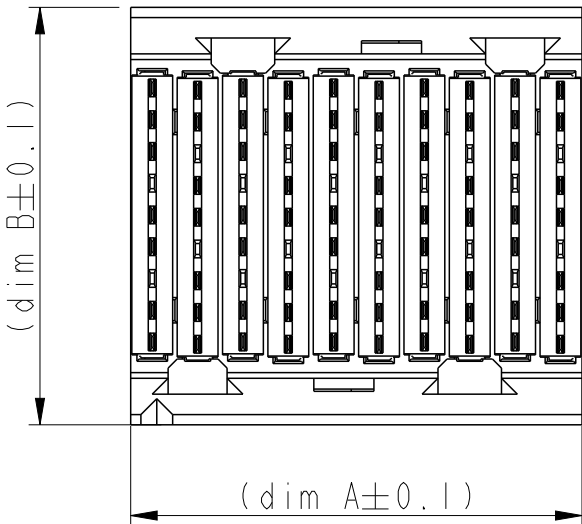
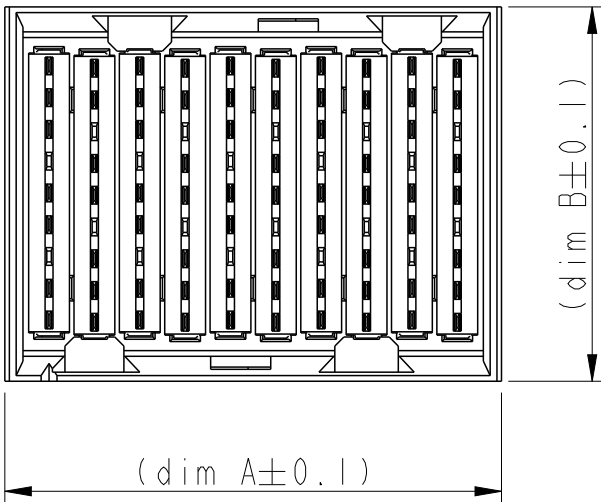
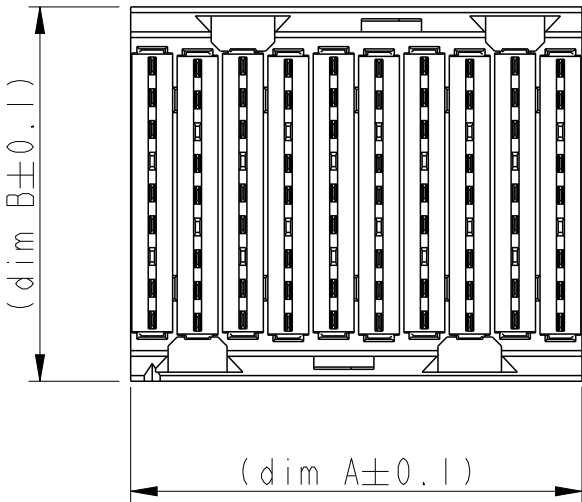
10056103 - 101ABCI

10056103 - 104ABCI

10056103 - 105ABCI

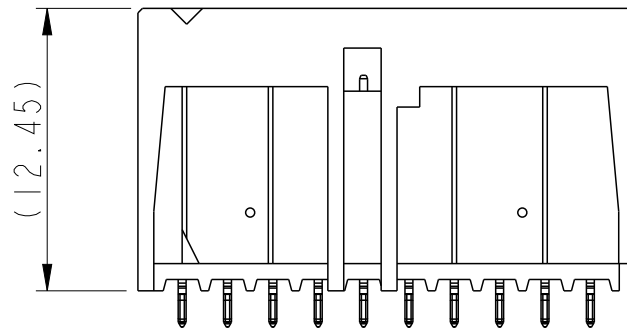
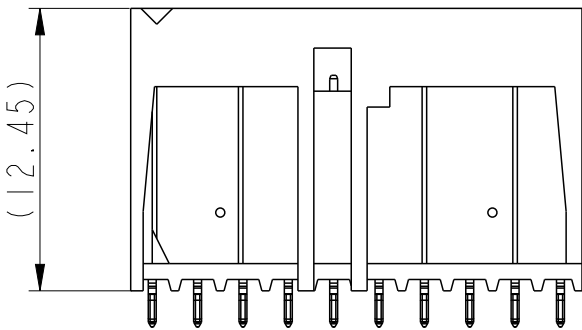
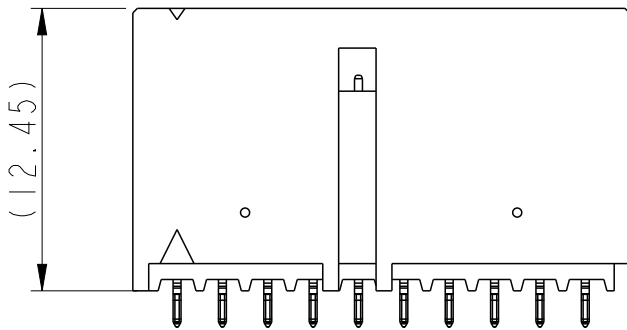
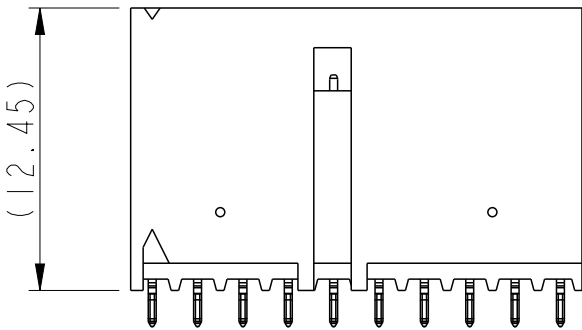
10056103 - 108ABCI

A



B

B



C

C

PN / dim	A	B
10056103-101ABCI (LF)	19.9	16.5
10056103-104ABCI (LF)	21.9	16.5
10056103-105ABCI (LF)	19.9	18.4
10056103-108ABCI (LF)	21.9	18.4

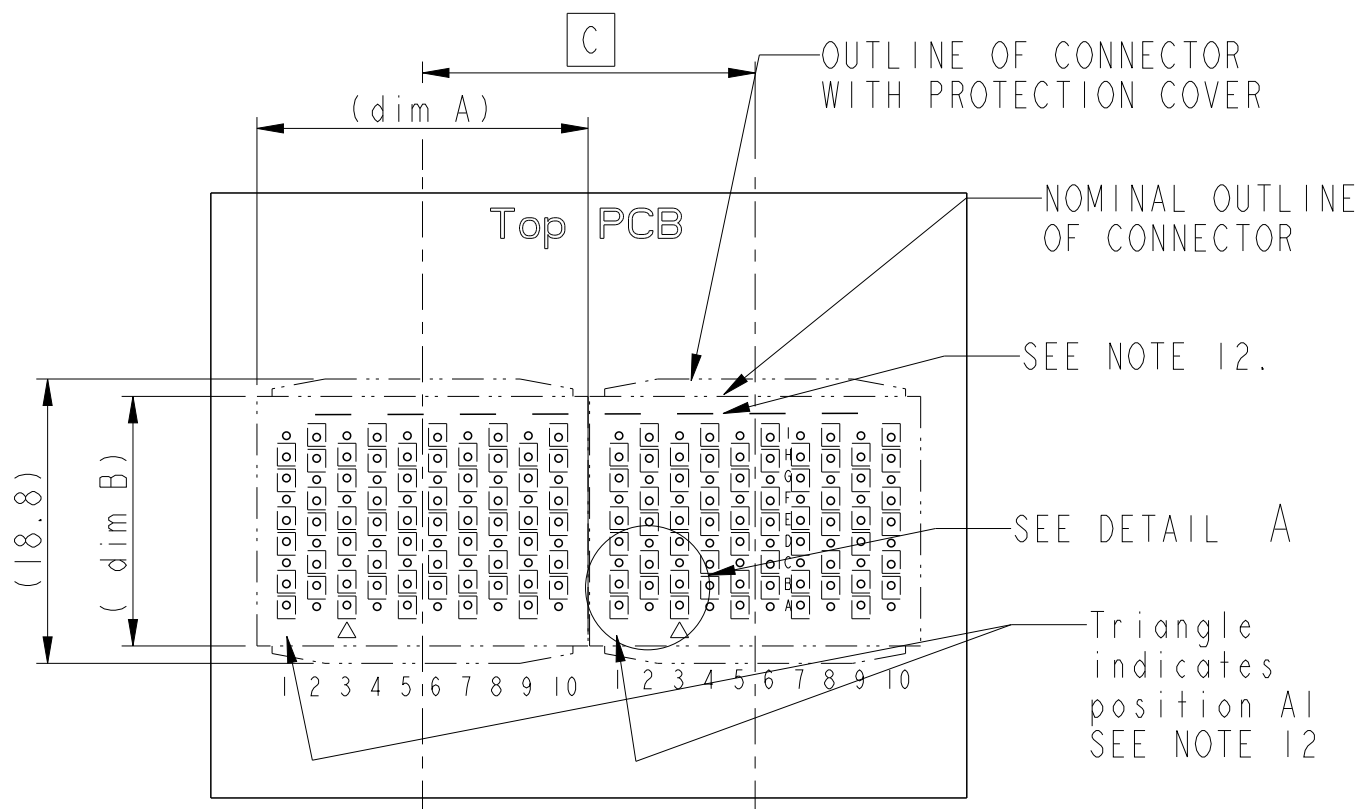
spec ref		CONCEPT			dr		Matthew Cheong		2006/11/16		projection		mm		size		A3		scale		2:1																
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		K R Mahoharan		2012/07/23						ecn no		ELX-S-012244-1																				
ISO 406					chr		-		-																												
ISO 1101					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		10056103										rev		B	
				0.XX		±																															
				0.XXX		±																															
ISO 1302		angular		0°		±°		www.fci.com		cat. no.		Product - Customer Drw										sheet 4 of 5															

D

D

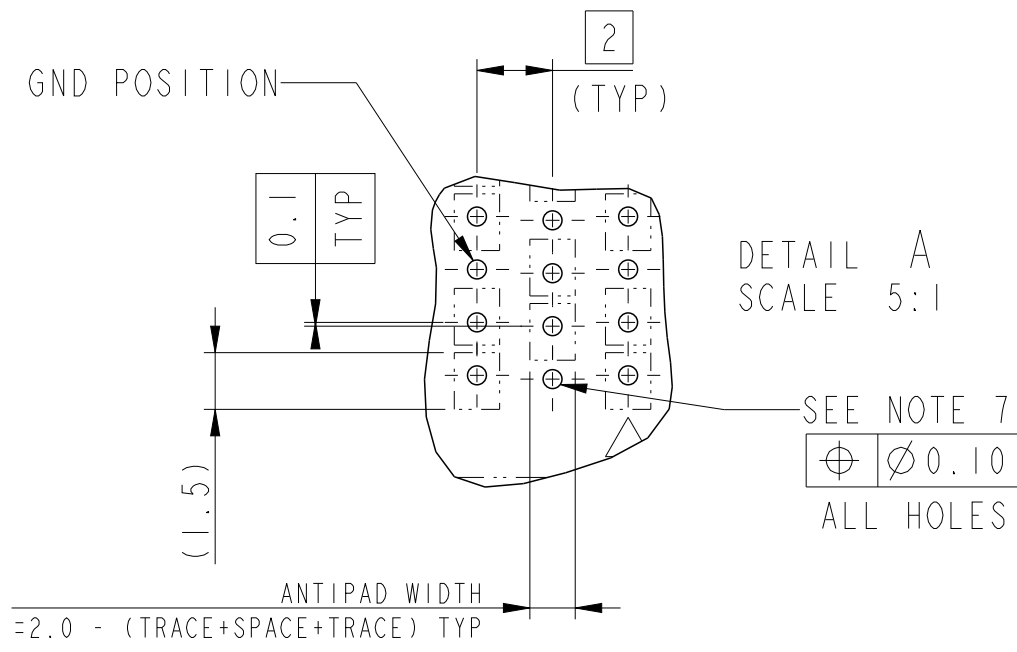


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RECOMMENDED PCB LAYOUT  
FOR DIFFERENTIAL APPLICATIONS COMPONENT SIDE  
(TWO ADJACENT FOOTPRINTS SHOWN)

PN / dim	A	B	C
10056103-101ABCI(LF)	19.9	16.5	20
10056103-104ABCI(LF)	21.9	16.5	22
10056103-105ABCI(LF)	19.9	18.4	20
10056103-108ABCI(LF)	21.9	18.4	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	CONCEPT	dr	Matthew Cheong	2006/11/16	projection	mm	size	A3	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	K R Mahoharan	2012/07/23	chr	-	ecn no	ELX-S-012244-1	rel level	Released
ISO 406		appr	Chen-Hong Tan	2012/10/12	product family	AirMax VS	rel level	Released		
ISO 1101										
surface	linear	0.X	±	FCI	AirMax VS VERTICAL HEADER	dwg no	10056103	rev	B	
ISO 1302	angular	0.XX	±	www.fci.com	3 pair, 90 pos, 2mm, 10 IMLA	cat. no.	Product - Customer Drw	sheet 5 of 5		
		0.XXX	±							
		0°	±°							