



COMMUNICATIONS, DATA, CONSUMER DIVISION

AirMax VS[®]

High Speed Connector System

FCI: SETTING THE STANDARD FOR CONNECTORS

With operations in 30 countries, FCI is a leading manufacturer of connectors. Our 13,500 employees are committed to providing customers with high-quality, innovative products for a wide range of consumer and industrial applications.

AIRMAX VS®

HIGH SPEED CONNECTOR SYSTEM

SHIELDLESS CONNECTORS

- The AirMax VS® connector is a revolutionary connector system that offers scalability, flexibility, high density and headroom in performance. "VS" stands for Virtual Shield as this technology requires no interleaving shields.
- The elimination of these shields results in lower cost, lower weight and offers greater flexibility.

The main target markets & applications for AirMax VS® connectors are:

DATA

- High end servers
- Mid range servers
- Entry servers
- Storage devices



COMMUNICATIONS

- IP routers
- IP Switches & gateways
- ATM switches
- IP PBX's
- High speed enterprise routers
- 3G Base stations
- ATCA™ Zone 3

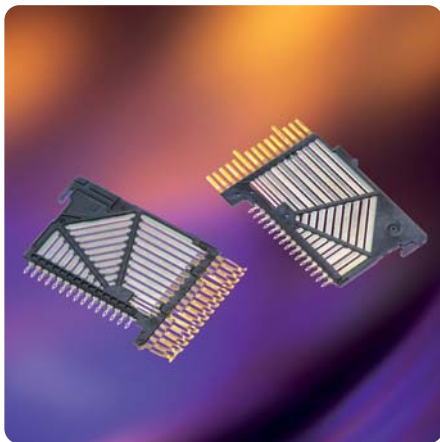
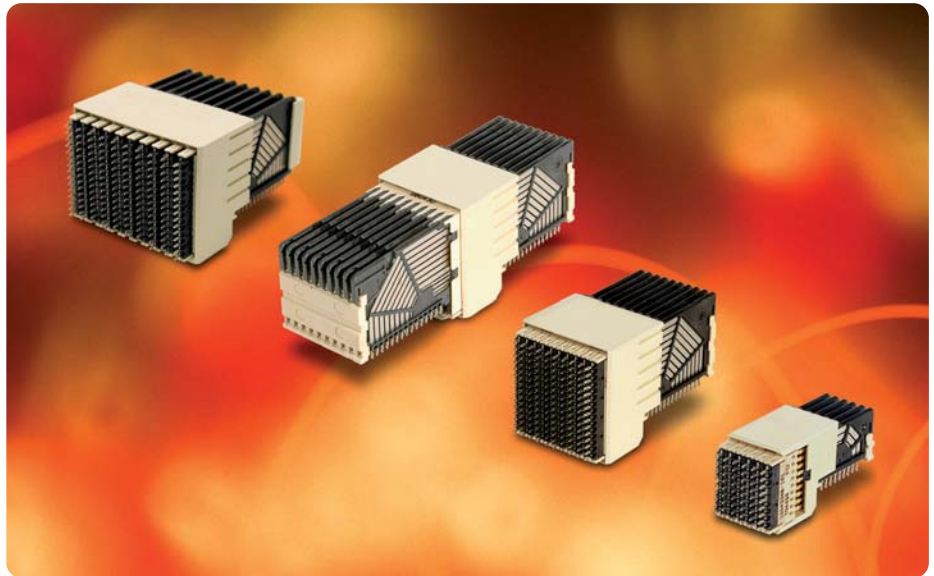


INDUSTRIAL

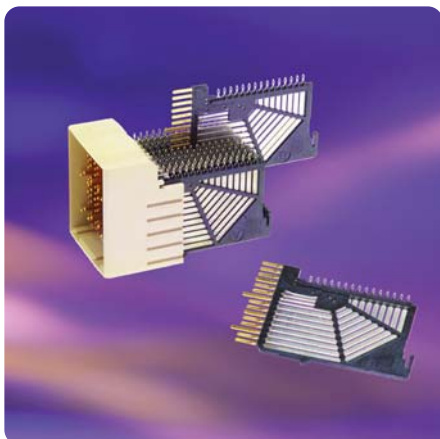
- Medical
- Test & measurement

SCALEABILITY

- The basic building block of an airmax connector is an IMLA (Insert Molded Leadframe Assembly) and modules can consist of a number of these IMLA's. AirMax VS® connectors are scalable to the number of columns (or IMLA's). By developing housings dedicated to certain IMLA-counts, various module sizes can be offered. Even IMLA counts per module are recommended in order to enjoy the very low cross talk performance, even when multiple modules are stacked.
- FCI has IMLA's available in 15 position, 12 position and 9 position.



AirMax VS® 5 pair IMLA



FLEXIBILITY

- The IMLA design offers maximum flexibility by its “open pin field” structure. Each of the pins in an IMLA can be assigned as per what the application dictates. In some applications, both single ended & differential pair signals are combined with power within the same AirMax VS® module. A 15 position IMLA accommodates 5 differential pairs, whereas a 12 position IMLA supports 4 differential pairs and a 9 position IMLA 3 differential pairs.

count of a PCB by providing the possibility to route multiple traces onto a single layer.

LOW COST

- In some applications, opening the IMLA spacing up from 2 mm to 3 mm by using a dedicated housing, resulted in a significant layer count reduction of the PCB because multiple differential pairs can be routed onto the same layer. The fact that AirMax VS® does not contain shields (VS = Virtual Shield) generally speaking results in less (ground) vias in a back plane, which offers another opportunity for cost reduction.

HIGH DENSITY

- When compared to other high speed connector offerings, AirMax VS® connectors offer the highest pin density, at a given plug in unit pitch in a system. For example, within a 25 mm card pitch, a 5 pair 2 mm AirMax VS® module provides 75 pins (or 25 differential pairs) per linear centimeter. If routing density is more important than pin density, modules with IMLA's on a 3 mm spacing are available to help reducing the layer

AIRMAX VS® QUICK SELECTOR GUIDE

	# Contacts per module	# Differential pairs per module	Nominal Plug In Unit pitch [mm]	Contact pitch (columns)	Header Drawing Number	Receptacle Drawing Number
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APPLICATION: BACK PANEL, GENDER: RIGHT ANGLE HEADER, VERTICAL RECEPTACLE

AirMax VS® "5 pair"	150	50	25	2 mm	10025613 / 10016527	10016537
	150	50	25	3 mm	10037324 / 10037323	10035146
	120	40	25	2 mm	10041460 / 10041746	10040993
AirMax VS® "4 pair"	120	40	20	2 mm	10028436 / 10029391	10028264
	120	40	20	3 mm	10035515 / 10035514	10035465
	96	32	20	2 mm	10052838 / 10052837	10052842
	72	24	20	2 mm	10052825 / 10052824	10052829
AirMax VS® "3 pair"	90	30	17	2 mm	10034249 / 10034264	10034251
	72	24	17	2 mm	10045267 / 10045266	10045271
	54	18	17	2 mm	10039851 / 10040862	10043546

APPLICATION: BACK PANEL, GENDER: RIGHT ANGLE RECEPTACLE, VERTICAL HEADER

AirMax VS® "5 pair"	150	50	25	2 mm	10056098	10034475
AirMax VS® "4 pair"	120	40	20	2 mm	10056100	10035754
	120	40	20	3 mm	10056430	10045722
AirMax VS® "3 pair"	90	30	17	2 mm	10056103	10056335
	54	18	17	2 mm	10056101	10053656

APPLICATION: COPLANAR, RIGHT ANGLE RECEPTACLE TO RIGHT ANGLE HEADER

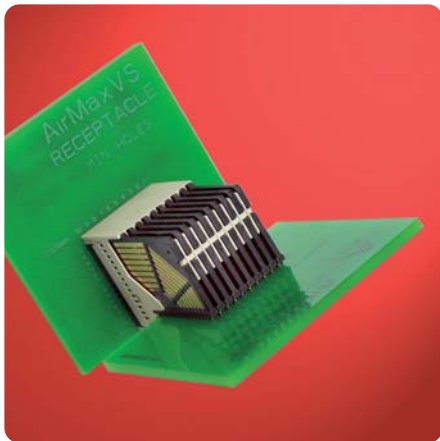
AirMax VS® "5 pair"	150	50	25	2 mm	10025613/10016527	10034475
	150	50	25	3 mm	10037324 / 10037323	10057041
AirMax VS® "4 pair"	120	40	20	2 mm	10028436 / 10029391	10035754
	120	40	20	3 mm	10035515 / 10035514	10045722
AirMax VS® "3 pair"	90	30	17	2 mm	10034249 / 10034264	10056335
	54	18	17	2 mm	10039851 / 10040862	10053656

APPLICATION: MEZZANINE, VERTICAL RECEPTACLE TO VERTICAL HEADER

AirMax VS® "5 pair"	150	50	12,5	2 mm	10056098	10016537
	150	50	26	2 mm	10056246	10016537
AirMax VS® "4 pair"	120	40	12,5	2 mm	10056100	10028264
	120	40	12,5	3 mm	10056430	10035465
AirMax VS® "3 pair"	90	30	12,5	2 mm	10056103	10034251
	54	18	12,5	2 mm	10056101	10043546

APPLICATION: FRONT IO AND REAR PLUG UP

AirMax VS® "4 pair"	120	40	25	2 mm	10041268 vertical	na
	96	32	25	2 mm	10061399 right angle	na
	72	24	25	3 mm	10062319 right angle	na



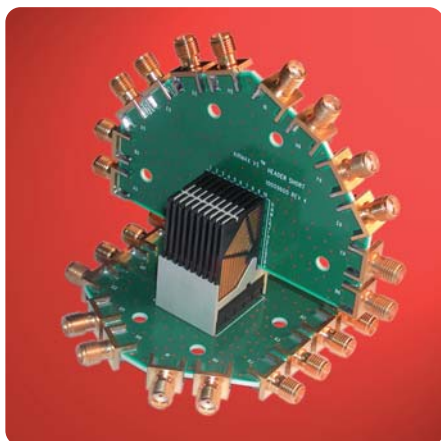
AirMax VS® 2 mm pitch



AirMax VS® 3 mm pitch

AIRMAX VS® FACT SHEET

2003-10-01	FCI Delivers Industry's First Shieldless High-Speed Connector, Operating at 2.5 Gb/s to Greater than 12 Gb/s (AirMax VS® Connector System)
2004-01-01	FCI and TFT demonstrate passive equalization applied in AirMax VS® connectors
2004-01-19	FCI licenses AirMax VS® technology to GORE
2004-01-29	FCI to Showcase the AirMax VS® Connector System at DesignCon 2004
2004-05-01	FCI and Accelerant demonstrate a 40 Gb back plane design with AirMax VS® connectors FCI and EIT demonstrate optimized routing on next generation back planes with AirMax VS® connectors FCI and Marvell demonstrate 2.5 Gb/s transmission links using AirMax VS® and MEG Array® connectors FCI and MAXIM demonstrate 10 Gb/s transmission links using AirMax VS® connectors FCI and Mitsubishi Electric demonstrate 10 Gb/s back plane with AirMax VS® connectors
2004-05-04	FCI adds 3 mm pitch AirMax VS® modules to its offering
2004-07-13	FCI Signs Amphenol as Second Source for AirMax VS® Connector System
2005-01-01	FCI and Xilinx demonstrate 10 Gb/s NRZ transmission links using AirMax VS® connectors Lucent Technologies' BELL LABS and FCI demonstrate 25Gb/s data transmission over electrical back plane connectors (AirMax VS® Back Panel Connectors)
2005-01-31	FCI demonstrates BGA technology used with AirMax VS® connectors FCI adds coplanar capability to AirMax VS® product portfolio
2005-02-01	FCI's AirMax VS® connector system honored at DesignCon 2005 and wins Design Vision Award 2005
2005-05-03	FCI adds low profile (3 pair) AirMax VS® Back Panel Connectors to its offering
2005-05-27	FCI announces the availability of AirMax VS® power modules
2005-08-24	AirMax VS® vertical headers added to the product offering
2005-08-25	FCI announces RoHS qualification of its AirMax VS® signal modules
2005-10-24	FCI AirMax VS® product offering expanded with dedicated mezzanine offering FCI's AirMax VS® Connector System and Northrop Grumman ATCA™ topology design reaches 10Gb/s
2005-11-08	FCI's AirMax VS® power modules now include coplanar capability
2005-12-15	Huawei and FCI announce 12.5Gb/s ATCA® Reference Design that exhibits very low crosstalk
2005-12-31	FCI's AirMax VS® coplanar system awarded Product of the Year (Electronic Products)



WORST-CASE NEAR-END CROSSTALK AIRMAX VS® HIGH SPEED CONNECTOR SYSTEMS WIRED FOR DIFFERENTIAL (*Signal injected into HEADER Side*)

	55ps (20-80%) 80ps (10-90%)	105ps (20-80%) 150 ps (10-90%)	150ps (20-80%) 220 ps (10-90%)
AB	1.5%	1.1%	0.9%
BC	2.0%	1.5%	1.2%
DE	1.8%	1.4%	1.2%
EF	1.9%	1.5%	1.3%
GH	2.0%	1.5%	1.2%
HI	1.8%	1.6%	1.3%
JK	2.1%	1.9%	1.6%
KL	1.8%	1.6%	1.5%
MN	1.9%	1.6%	1.4%
NO	1.1%	0.9%	0.8%

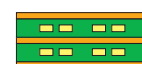
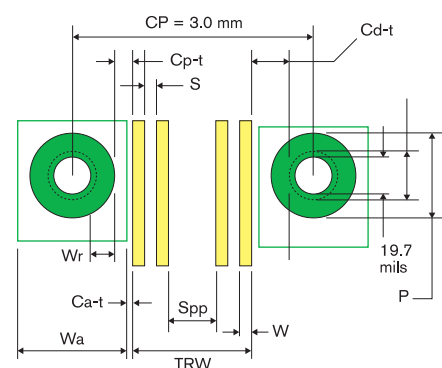
HEADROOM IN PERFORMANCE

- Today's high end communication equipment that is commercially available, operates at line speeds in the back plane ranging from 1.25 Gb/s up to 6.25 Gb/s. With AirMax VS® connectors, a complete platform redesign is not required when a system gets upgraded to higher line speeds, as AirMax VS® connectors have been demonstrated in transmission links of 1.25 Gb/s up to 25 Gb/s.

TRACE ROUTING EXAMPLE

		LAYOUT	
		mil	um
Column pitch	CP	118,0	2997
Trace	W	8,0	203
Space	S	8,0	203
Pair-Pair spacing	Spp	18,0	457
Pad	P	36,0	914
Antipad	Wa	48,0	1219
Total Routing Width	TRW	66,0	1676
Annular Ring	Wr	8,2	207
Clearance Drill -Trace	Cd-t	14,2	361
Clearance Pad-Trace	Cp-t	8,0	203
Clearance Antipad-Trace	Ca-t	2,0	51

Design Flexibility reduces applied cost

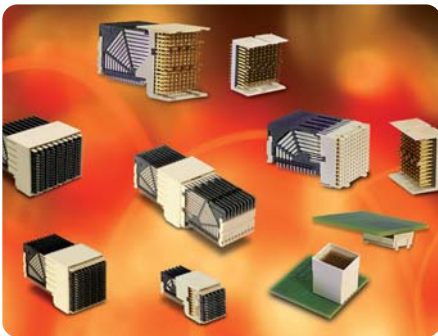


Two differential pairs per routing channel
(only 2 high speed signal layers required
to route 4 differential pairs)

AIRMAX VS® HIGH SPEED CONNECTOR SYSTEM

A FULL SET OF BUILDING BLOCKS

The AirMax VS® technology can be applied in a variety of connector modules, including right-angle & vertical receptacles as well as the mating headers (right-angle & vertical). Combining these modules allows for a variety of applications, including back panel, co-planar, mezzanine and cable to board.



FEATURES

- ▶ Shield less connector system
- ▶ High pin density per module
- ▶ Designed to fit HM (hard metric) building practice
- ▶ No pre-assigned ground pins
- ▶ Full product family support
- ▶ Various module sizes available
- ▶ Excellent electrical performance
- ▶ Versatile IMLA design (Insert Molded Lead frame Assembly)
- ▶ Low weight and low mating forces
- ▶ Opposed dual team contact system

BENEFITS

- ▶ Allows for improved pcb routing density, so less layers required in the pcb
- ▶ Allows for multiple IMLA-counts and - spacings for optimized board real estate consumption and trace routing
- ▶ Allows for custom pin assignment (signal, power, differential or single ended)
- ▶ Head room in electrical performance (25 Gb/s demonstrated)
- ▶ No redesign of basic platform required: saves time to market
- ▶ Less ground vias required when compared to connectors with shields
- ▶ Provides high reliability
- ▶ Vertical & horizontal routing within same slot possible

BACK PANEL RECEPTACLE

KEY FEATURES

- ▶ Right-angle header and vertical receptacle
- ▶ No pins on back panel
- ▶ Future extension with BGA receptacle
- ▶ Same right-angle header can be used in co-planar application

BACK PANEL HEADER

KEY FEATURES

- ▶ Right-angle receptacle and vertical header
- ▶ Pins on back panel
- ▶ Robust receptacle design
- ▶ Protective cap on header also serves as press in block

CO-PLANAR

KEY FEATURES

- ▶ Same right-angle header and right-angle receptacle as used in back panel application
- ▶ Robust receptacle design

MEZZANINE

KEY FEATURES

- ▶ Vertical header and vertical receptacle
- ▶ Header supports various stack heights (12.5-30 mm)
- ▶ Protective cap on header also serves as press in block
- ▶ Same receptacle can be used in back plane application

CABLE TO BOARD

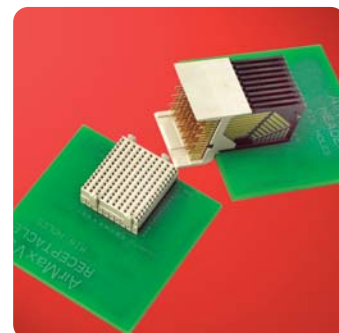
KEY FEATURES

- ▶ Vertical header and terminal block
- ▶ Passive latch with active latch option
- ▶ Custom cable assemblies
- ▶ Right-angle header for front I/O applications are planned

AIRMAX VS® BACK PANEL - RECEPTACLE

FEATURES

- For back panel applications the AirMax VS® product family offers both genders. Vertical receptacles eliminating the risk of having bend pins on the back plane can be combined with the right-angle headers on the daughter boards. At very high pin counts a reduction of weight of the back panel assembly can become significant.



MAIN PRODUCTS

PART REFERENCES

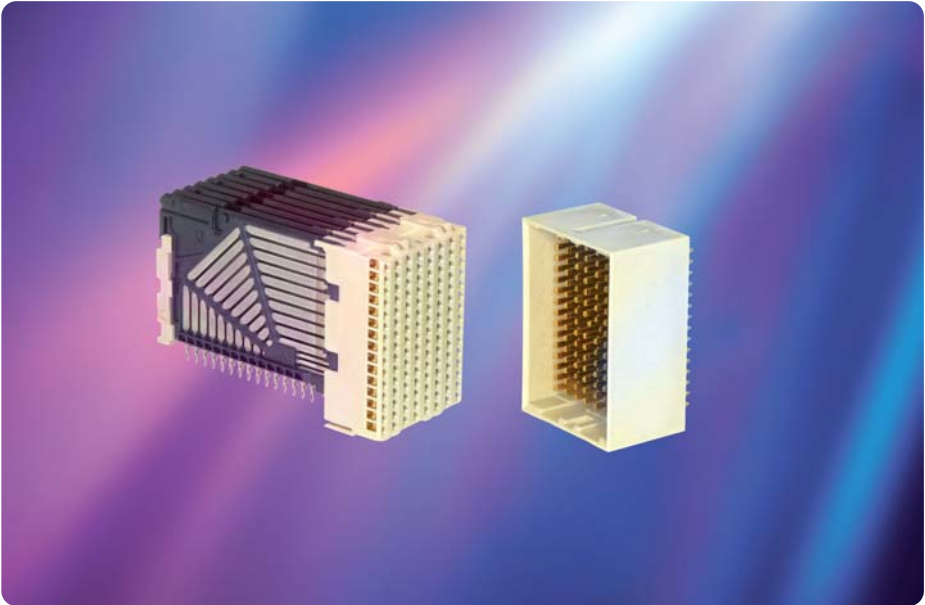
Right-angle headers 5 pair	150 pos 2 mm	10 IMLA with end walls	10025613
	150 pos 2 mm	10 IMLA	10016527
	150 pos 3 mm	10 IMLA with end walls	10037324
	150 pos 3 mm	10 IMLA	10037323
	120 pos 2 mm	8 IMLA with end walls	10041460
	120 pos 2 mm	8 IMLA	10041746
Vertical receptacle 5 pair	150 pos 2 mm	10 IMLA	10016537
	150 pos 3 mm	10 IMLA	10035146
	120 pos 2 mm	8 IMLA	10040993
Right-angle headers 4 pair	120 pos 3 mm	10 IMLA with end walls	10035515
	120 pos 3 mm	10 IMLA	10035514
	120 pos 2 mm	10 IMLA with end walls	10028436
	120 pos 2 mm	10 IMLA	10029391
	96 pos 2 mm	8 IMLA with end walls	10052838
	96 pos 2 mm	8 IMLA	10052837
	72 pos 2 mm	6 IMLA with end walls	10052825
	72 pos 2 mm	6 IMLA	10052824
Vertical receptacle 4 pair	120 pos 3 mm	10 IMLA	10035465
	120 pos 2 mm	10 IMLA	10028264
	96 pos 2 mm	8 IMLA	10052842
	72 pos 2 mm	6 IMLA	10052829
Right-angle headers 3 pair	90 pos 2 mm	10 IMLA with end walls	10034249
	90 pos 2 mm	10 IMLA	10034264
	72 pos 2 mm	8 IMLA with end walls	10045267
	72 pos 2 mm	8 IMLA	10045266
	54 pos 2 mm	6 IMLA with end walls	10039851
	54 pos 2 mm	6 IMLA	10040862
Vertical receptacle 3 pair	90 pos 2 mm	10 IMLA	10034251
	72 pos 2 mm	8 IMLA	10045271
	54 pos 2 mm	6 IMLA	10043546

AIRMAX VS®

BACK PANEL - HEADER

FEATURES

For applications where risks of damaging connectors on daughter cards is more apparent, FCI offers right-angle receptacles that mate with vertical headers dedicated to back panel application. The protective cover on these vertical headers also serves as press in block and provides maximum protection from shipment to installation.



MAIN PRODUCTS			PART REFERENCES
Vertical header 3 pair	54 pos 2 mm	6 IMLA	10056101
Right-angle receptacle 3 pair	54 pos 2 mm	6 IMLA	10053656
Vertical header 4 pair	120 pos 2 mm	10 IMLA	10056100
	120 pos 3 mm	10 IMLA	10056430
Right-angle receptacle 4 pair	120 pos 2 mm	10 IMLA	10035754
	120 pos 3 mm	10 IMLA	10045722
Vertical header 5 pair	150 pos 2 mm	10 IMLA	10056098
Right-angle receptacle 5 pair	120 pos 2 mm	8 IMLA	10045548
	150 pos 2 mm	10 IMLA	10034475

AIRMAX VS® CO-PLANAR

FEATURES

- An increasing number of applications require co-planar type interconnects (examples are extender cards and ATCA™ zone 3 interconnects). The right-angle receptacle/ right-angle header combination of the AirMax VS® family allows for this type of interconnect. The same right-angle header as used in back panel applications can be mated with a co-planar dedicated right-angle receptacle.

AIRMAX VS® ADVANCED TCA® Solutions for “zone 3”

FEATURES

- Advanced Telecom Computing Architecture, or AdvancedTCA is a series of industry standard specifications (PICMG 3.x) for the next generation of carrier grade communications equipment.
- AdvancedTCA incorporates the latest trends in high speed interconnect technologies, next generation processors, and improved reliability, manageability and serviceability, resulting in a new blade (board) and chassis (shelf) form factor optimized for communications.



MAIN PRODUCTS

PART REFERENCES

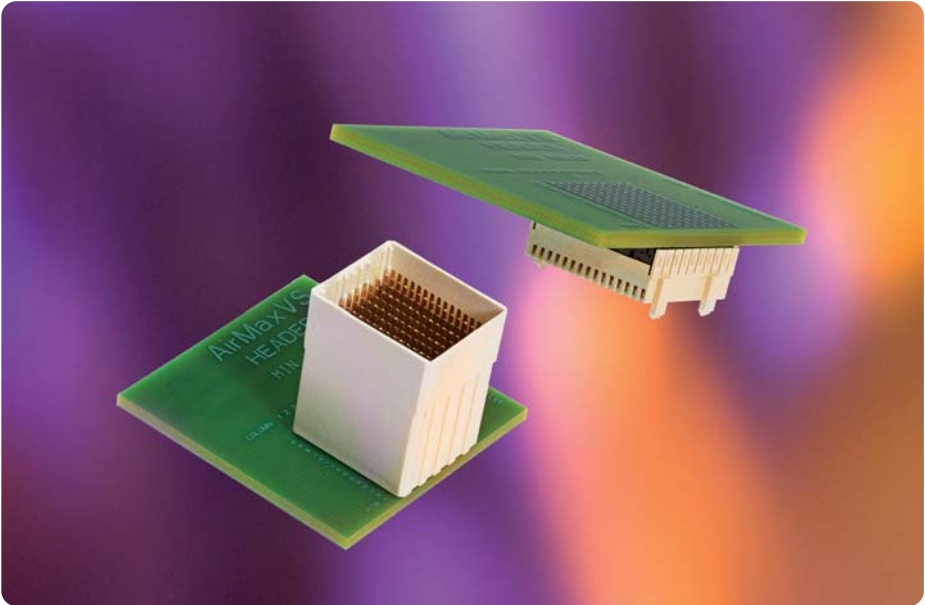
Right-angle receptacle 3 pair	54 pos 2 mm	6 IMLA	10053656
	90 pos 2 mm	10 IMLA	10056335
Right-angle headers 3 pair	54 pos 2 mm	6 IMLA with end walls	10039851
	54 pos 2 mm	6 IMLA	10040862
	90 pos 2 mm	10 IMLA with end walls	10034249
	90 pos 2 mm	10 IMLA	10034264
	120 pos 2 mm	10 IMLA	10035754
Right-angle receptacle 4 pair	120 pos 3 mm	10 IMLA	10045722
	120 pos 2 mm	10 IMLA with end walls	10028436
Right-angle headers 4 pair	120 pos 2 mm	10 IMLA	10029391
	120 pos 3 mm	10 IMLA with end walls	10035515
	120 pos 3 mm	10 IMLA	10035514
	120 pos 2 mm	8 IMLA	10045548
Right-angle receptacle 5 pair	150 pos 2 mm	10 IMLA	10034475
	120 pos 2 mm	8 IMLA with end walls	10041460
Right-angle headers 5 pair	120 pos 2 mm	8 IMLA	10041746
	150 pos 2 mm	10 IMLA with end walls	10025613
	150 pos 2 mm	10 IMLA	10016527
	150 pos 2 mm	10 IMLA	10016527

AIRMAX VS®

MEZZANINE

FEATURES

- Mezzanine type interconnects can be built when combining vertical headers with vertical receptacles. Within the AirMax VS® family the same vertical receptacle as used in back panel applications can be mated with mezzanine dedicated vertical headers. These vertical headers will determine the total mated stack height and are provided with a protective cover that also serves as press in block.
- Mezzanine headers allow for stack heights of 12.5 mm up to 30 mm in a variety of IMLA-counts and -spacings.



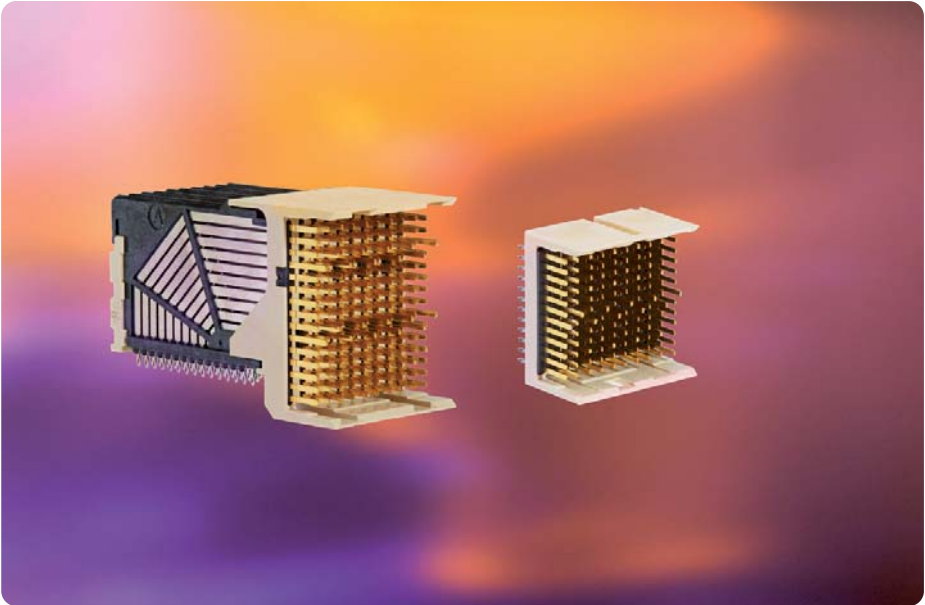
MAIN PRODUCTS		STACK HEIGHT		PART REFERENCES
Vertical header 3 pair	54 pos 2 mm	12.5 mm	6 IMLA	10056101
	90 pos 2 mm	12,5 mm	10 IMLA	10056103
Vertical receptacle 3 pair	54 pos 2 mm		6 IMLA	10043546
	90 pos 2 mm		10 IMLA	10034251
Vertical header 4 pair	120 pos 2 mm	12.5 mm	10 IMLA	10056100
Vertical receptacle 4 pair	120 pos 2 mm		10 IMLA	10028264
Vertical header 5 pair	150 pos 2 mm	26 mm	10 IMLA	10056246
	150 pos 2 mm	12.5 mm	10 IMLA	10056098
Vertical receptacle 5 pair	150 pos 2 mm		10 IMLA	10016537

AIRMAX VS®

I/O HEADERS

DESCRIPTION

- AirMax VS® I/O headers mate with AirMax VS® Cable Assemblies in internal or external I/O type applications. Vertical headers allow for cabling off a back panel (Rear Plug Up) whereas right angle headers accommodate front panel I/O applications and both headers will accept cable plugs with or without active latches.
- AirMax VS® headers are designed to support the shortest possible cable exits down to 22 mm in back panel applications (excluding cable bend radius).
- The AirMax VS® headers are scalable to the number of columns (6, 8 or 10 columns) and are end to end stackable. The standard product consists of 10 columns and accommodates 4 pairs per column providing a density of 100 differential pairs per 50 mm of linear board length. The column differential pairs demonstrate low insertion loss and low cross talk performance at data rates greater than 12.5 Gb/s. Consistent with the complete AirMax VS® family of products, pins can be assigned to either signal or ground so that the same product can be used for differential or single ended (coaxial) cable configurations.



FEATURES

Use of AirMax VS® technology:

- Air as dielectric;
- NO interleaving shields;
- Plug compatible with all license suppliers of AirMax VS®

12 contacts per column:

- 120 contacts per module;
- 40 differential pairs per module;

Open pin field structure:

- Allows for single ended and differential application;

Dual beam, dual sided contact structure:

- Improves reliability and durability;

Right angle and vertical headers:

- Front panel IO;
- Back panel IO;

TARGET MARKETS & APPLICATIONS

Data Com

- Servers;
- Storage devices
- Computing platforms

Telecom

- Switches
- Routers
- 3G Base stations

Industrial

- Test & measurement equipment
- Industrial controller units

MAIN PRODUCTS		PART REFERENCES
Vertical header 4 pair	2 mm 10 column - I/O	10041268
Right angle header 4 pair	2 mm 8 column - I/O	10061399
	3 mm 6 column - I/O	10062319

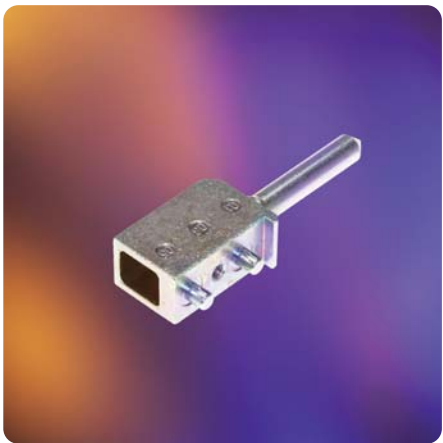
Please contact FCI to find the right parter for customised cable assembly solutions.

AIRMAX VS®

ACCESSORIES

FEATURES

■ The AirMax VS® product family is complemented with power headers & receptacles as well as a variety of guide pins & modules. Since the AirMax VS® connector is designed for application in Hard Metric environments, the modules can be combined with FCI's Millipacs modules on the same card without the need to provide special cut outs on the card edges. The guide pin & guide module combination provides additional coding options as well as an ESD contact. The smaller guide blade & guide module combination is designed for minimum board real estate consumption.



MAIN PRODUCTS

AirMax VS® Guides

7.2 mm Guide Blade - External Thread, Long	10037908
7.2 mm Guide Blade - External Thread, Short	10037915
7.2 mm Guide Module Receptacle	10037909
10.7 mm Guide Pin - Internal Thread	10037911
10.7 mm Guide Pin - External Thread	10037910
10.7 mm Guide Module Receptacle	10037912
7.2 mm Guide Blade Co-Planar	10044314
10.7 mm Guide Pin Co-Planar	10044366

AirMax VS® Power Modules

4 Contact receptacle	10028916
2x2 Contacts right-angle header	10028917
1x2 Contacts right-angle header	10028918
Co-planar power receptacle	10052620

PART REFERENCES

DRAWING NUMBERS INDEX

DRAWING NUMBER	PAGE	DESCRIPTION	
10016527	8-10	Right-angle header 5 pair	150 pos 2 mm
10016537	8-11	Vertical receptacle 5 pair	150 pos 2 mm
10025613	8-10	Right-angle header 5 pair	150 pos 2 mm
10028264	8-11	Vertical receptacle 4 pair	120 pos 2 mm
10028436	8-10	Right-angle header 4 pair	120 pos 2 mm
10028916	13	AirMax VS® Power Module	4 Contact receptacle
10028917	13	AirMax VS® Power Module	2x2 Contacts right-angle header
10028918	13	AirMax VS® Power Module	1x2 Contacts right-angle header
10029391	8-10	Right-angle header 4 pair	120 pos 2 mm
10034249	8-10	Right-angle header 3 pair	90 pos 2 mm
10034251	8-10	Vertical receptacle 3 pair	90 pos 2 mm
10034264	8-10	Right-angle header 3 pair	90 pos 2 mm
10034475	9-10	Right-angle receptacle 5 pair	150 pos 2 mm
10035146	8	Vertical receptacle 5 pair	150 pos 3 mm
10035465	8	Vertical receptacle 4 pair	120 pos 3 mm
10035514	8-10	Right-angle header 4 pair	120 pos 3 mm
10035515	8-10	Right-angle header 4 pair	120 pos 3 mm
10035754	9-10	Right-angle receptacle 4 pair	120 pos 2 mm
10037323	8	Right-angle header 5 pair	150 pos 3 mm
10037324	8	Right-angle header 5 pair	150 pos 3 mm
10037908	13	AirMax VS® Guide	7.2 mm Guide Blade - External Thread, Long
10037909	13	AirMax VS® Guide	7.2 mm Guide Module Receptacle
10037910	13	AirMax VS® Guide	10.7 mm Guide Pin - External Thread
10037911	13	AirMax VS® Guide	10.7 mm Guide Pin - Internal Thread
10037912	13	AirMax VS® Guide	10.7 mm Guide Module Receptacle
10037915	13	AirMax VS® Guide	7.2 mm Guide Blade - External Thread, Short
10039851	8-10	Right-angle header 3 pair	54 pos 2 mm
10040993	8	Vertical receptacle 5 pair	120 pos 2 mm
10040862	8-10	Right-angle header 3 pair	54 pos 2 mm
10041268	12	Vertical header 4 pair	2 mm 10 column - I/O
10041460	8-10	Right-angle header 5 pair	120 pos 2 mm
10041746	8-10	Right-angle header 5 pair	120 pos 2 mm
10043546	8-11	Vertical receptacle 3 pair	54 pos 2 mm
10044314	13	AirMax VS® Guide	7.2 mm Guide Blade Co-Planar
10044366	13	AirMax VS® Guide	10.7 mm Guide Pin Co-Planar
10045266	8	Right-angle header 3 pair	72 pos 2 mm
10045267	8	Right-angle header 3 pair	72 pos 2 mm

DRAWING NUMBER	PAGE	DESCRIPTION	
10045271	8	Vertical receptacle 3 pair	72 pos 2 mm
10045548	9-10	Right-angle receptacle 5 pair	120 pos 2 mm
10045722	9-10	Right-angle receptacle 4 pair	120 pos 3 mm
10052620	13	AirMax VS® Power Module	Co-planar power receptacle
10052824	8	Right-angle header 4 pair	72 pos 2 mm
10052825	8	Right-angle header 4 pair	72 pos 2 mm
10052829	8	Vertical receptacle 4 pair	72 pos 2 mm
10052837	8	Right-angle header 4 pair	96 pos 2 mm
10052838	8	Right-angle header 5 pair	96 pos 2 mm
10052842	8	Vertical receptacle 4 pair	96 pos 2 mm
10053656	9-10	Right-angle receptacle 3 pair	54 pos 2 mm
10056098	9-11	Vertical header 5 pair	150 pos 2 mm
10056100	9-11	Vertical header 4 pair	120 pos 2 mm
10056101	9-11	Vertical header 3 pair	54 pos 2 mm
10056103	11	Vertical header 3 pair	90 pos 2 mm
10056246	9-11	Vertical header 5 pair	150 pos 2 mm
10056335	10	Vertical receptacle 3 pair	90 pos 2 mm
10056430	9	Vertical header 4 pair	120 pos 2 mm
10061319	12	Right-angle receptacle 4 pair	2 mm 8 column - I/O
10061399	12	Right-angle receptacle 4 pair	2 mm 8 column - I/O
10062319	12	Right-angle header 4 pair	3 mm 6 column - I/O

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