# WE CONNECT

# **THE NEW AX01 SERIES**

BtB HIGH SPEED TRANSMISSION FLOATING CONNECTORS

- Perfect alignment
- High speed data transmission
- High contact reliability
- Multiple mounting options



# THE BEST WAY TO STAY IN CONTACT: THE NEW AX01 FLOATING TYPE CONNECTORS

The use of connectors in electronic devices that are subject to motion, and especially in the automotive industry, is challenged by two major issues: the compensation of manufacturing and assembly tolerances and the allowance for board movements due to shocks, vibrations or temperature changes.

Floating connectivity systems have proven to be the best solution since they bring the cost advantages of board-to-board connectors. The new AX01 series offers a robust double contact point. In addition, the reliable flat contact surface prevents the challenges related to micro-vibration.

As one of the world's leading developers and suppliers of innovative connectors, JAE meets the growing demand for high-quality and high-performance floating board-to-board connectors for highly efficient and cost-effective automated PCB assembly.

# EASY APPLICATION. HIGH RELIABILITY. STRONG PERFORMANCE.

To offer our customers maximum application and design flexibility, JAE's new AX01 series covers a wide, market-leading range of floating board-to-board connectors with mating heights from 8 to 30 mm and a pin count from 30 to 140 pins for parallel or vertical orientation of the PCB.

Both the floating and the fixed connector side are mounted with a protective cap in order to prevent the ingress of foreign substances and facilitate automatic assembly. A pin height of 0.60 mm ensures good visibility of the solder connection, and mis-mating is prevented by a special guide construction.



# WIDE PORTFOLIO ...

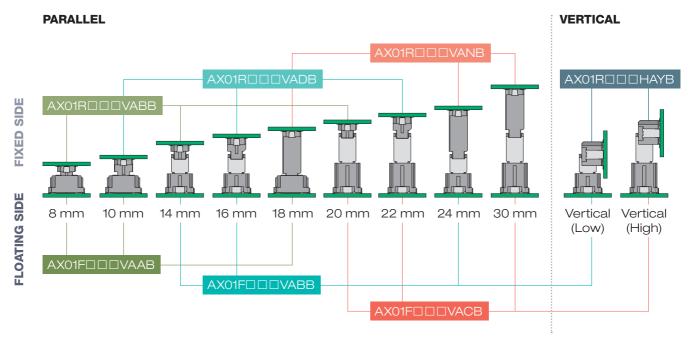
AX01 floating connectors are producible with eight different pin counts from 30 to 140 pins and in nine mating heights for stacking connections from 8 to 30 mm. All products marked in the table are already available, others will follow soon.

FLOATING SIDE	FIXED SIDE	Mating height (mm)	Number of pins							
			30	40	60	80	90	100	120	140
AX01F□□□VAAB	AX01R□□□VABB	8					•		0 0 0 0 0 0	
AX01FUUUVAAB	AX01R□□□VADB	10							0 0 0 0 0 0	
AX01F□□□VABB	AX01R□□□VABB	14								
AX01F□□□VABB	AX01R□□□VADB	16							8 8 8 8	
AX01F□□□VAAB	AX01R□□□VANB	18								
AX01F□□□VACB	AX01R□□□VABB	20								
AX01F□□□VACB	AX01R□□□VADB	22							8 8 8 8	
AX01F□□□VABB	AX01R□□□VANB	24								
AX01F□□□VACB	AX01R□□□VANB	30								•
AX01F□□□VABB	AX01R□□□HAYB	Vertical (L)								
AX01F□□□VACB	AX01R□□□HAYB	Vertical (H)								

Please contact us for product availability information.

# ... GREAT VARIABILITY

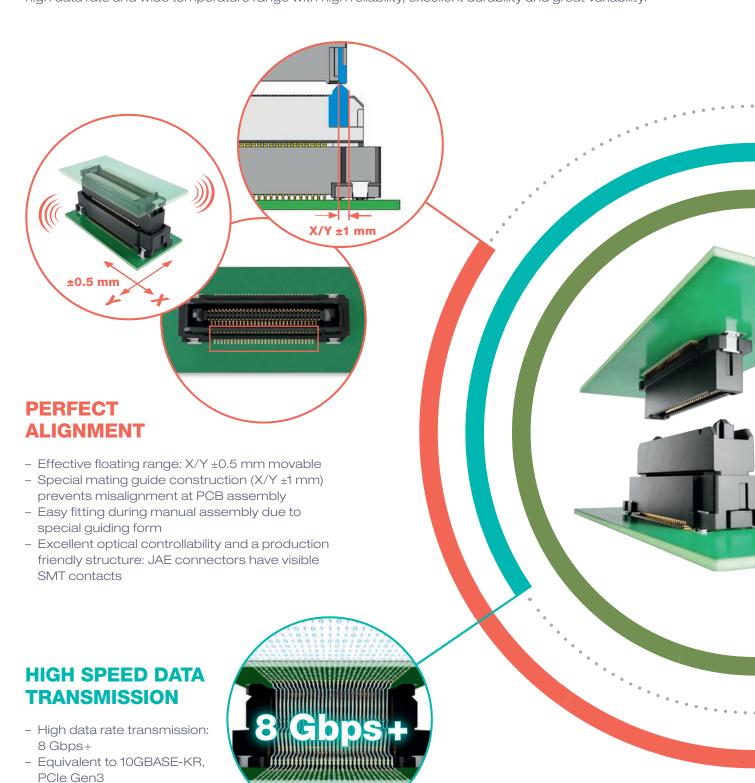
In addition, there are two versions for vertical connection – high or low. You are welcome to contact us if you have special requirements.



Tolerance in stacking height between PCBs: ±0.5 mm in Z axis

# AX01 CONNECTORS AT A GLANCE: GREAT FEATURES AND STRONG BENEFITS

JAE's cutting-edge AX01 BtB floating connectors combine perfect alignment, compact design, high data rate and wide temperature range with high reliability, excellent durability and great variability.

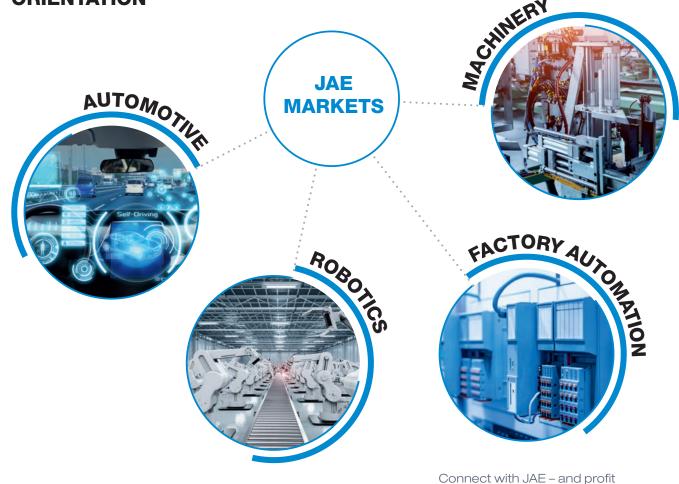




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# MARKET-LEADING TECHNOLOGY & UNCOMPROMISING CUSTOMER ORIENTATION

AX01 floating connectors are designed to meet the high and various needs of modern industrial and automotive applications. Ideal possibilities in the industry include factory automation, robotics and machinery, in the automotive sector components like navigation electronics and ECUs (electronic control units) devices. JAE connects requirements and solutions.



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from innovative manufacturing processes, outstanding

high-speed transmission and

production capacities,

unsurpassed reliability.