

CONNECTORS

INDUSTRIAL, AUTOMOTIVE AND TRANSPORTATION APPLICATIONS



PRODUCT INTRODUCTION: About "FloXY"

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KYOCERA AVX Fine Pitch Connectors offers high-reliable signal and power connectors for today's challenging industrial, automotive and transportation design needs. Kyocera's product portfolio features a wide variety of FPC/FFC and Board to Board connectors, including a unique Floating Board to Board product line called FloXY & FloXY HS. FloXY is a Floating Board to Board Connector series that allows movement (float) in the X and Y axis to absorb misalignment (offset) during assembly and while in operation. FloXY & FloXY HS meet the high reliability requirements for automotive and industrial markets. The "HS" variant is a value-added product that supports high-speed transmission standards of 16Gbps or more.

FloXY is a registered trademark of Kyocera Corporation.




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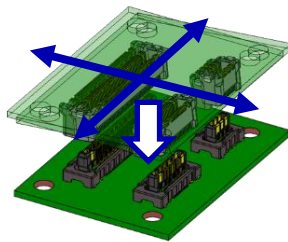
FloXY®

FloXY®

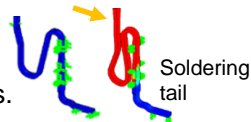
FloXY® HS

Top Selling Points / Features

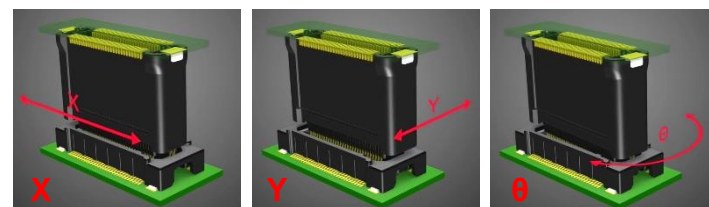
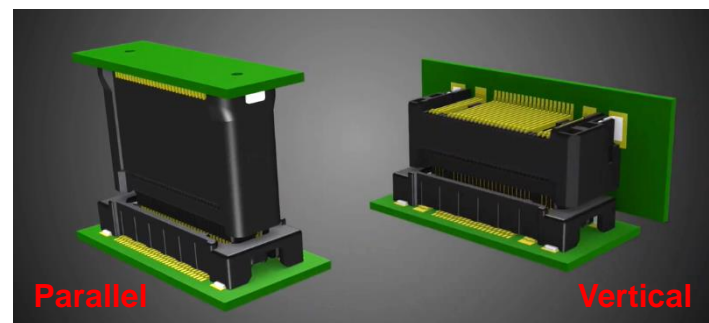
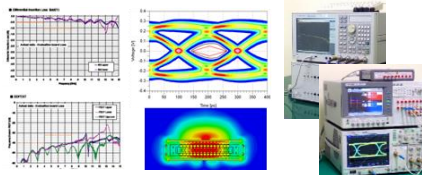
- Parallel and Vertical; available in multiple Stack Heights.
- High temperature  design.
- IATF 16949 certified.
- Floating structure enables the mating of multiple connectors on the same board. Automatic assembly by robotics is also possible.



- Reduces stress on solder joints and suppresses solder cracking problems.



- Add value design, such as High-speed transmission, EMI control with Shield, High-current, and Hybrid Power-line.



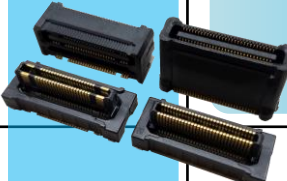



MAX ±1.0mm Floating Tolerance (Mating)









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KYOCERA's Floating Board to Board Connectors

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	FloXY			FloXY HS
High Speed	~ 1Gbps	~ 2.5Gbps	~ 8Gbps	~ 16Gbps
Stacking Height(mm)	~ 1Gbps	~ 2.5Gbps	~ 8Gbps	~ 16Gbps
30 25 20 15	5656 	5652 		
14 8				
7 6 5 4 3.5	5655 		8152 	

Series	5656	5655	8152	5652
Image				
Connection Style	Parallel / Vertical	Parallel	Parallel	Parallel
Pitch (mm)	0.50	0.50	0.40	0.50
Stack Height (mm)	17.0 / 18.0 (Parallel)	4.0 / 5.0 / 6.0 / 7.0	3.5	15.0 to 30.0
Width (mm)	9.0	8.8	4.3	12.4
Float Parameters	XY±1.0mm	XY±0.5mm	XY±0.4mm	XY±0.85mm
No. of Pos.	40 to 60	10 to 100	30	10 to 180
Current	0.5A	0.7A	0.3A	0.6A
Temperature Range	-40 ~ +125°C 	-40 ~ +125°C 	-40 ~ +105°C 	-40 ~ +125°C 
High-speed standard	-	MIPI D-PHY (2.5Gbps)	PCIe Gen.3(8GT/s) MIPI D-PHY(2.5Gbps)	PCIe Gen.4(16GT/s) USB3.1 Gen.2 etc.

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