



# Z-PACK HIGH SPEED BACKPLANE SOLUTIONS

TE Connectivity's Z-PACK HM-ZD connector portfolio provides data rates of up to 56 Gbps while retaining backwards compatibility with previous versions of the HM-ZD family to allow for easier upgrades in the field. Relevant for Advanced Telecommunications Computing Architecture (ATCA) next-generation applications including options for traditional and co-planar architectures, the Z-PACK HM-ZD product family is well suited for data center applications including servers and routers, as well as test & measurement, medical imaging devices and industrial automation.

## APPLICATIONS

- Server Solutions
- Switching and Routing
- Data Centers
- Test and Measurement
- Industrial Automation
- Medical Imaging

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- [Landing Page](#)

## KEY BENEFITS

- Backwards compatibility allows for field data rate upgrades using Z-PACK HM-eZD++ receptacles plugged into existing Z-PACK HM-ZD headers
- Multiple data rate options available with Z-PACK HM-ZD (12.5 Gbps), HM-ZD+ (15 Gbps), HM-eZD+ (20-25 Gbps), and HM-eZD++ (56 Gbps (PAM4) and 32 Gbps (NRZ))
- Relevant for Advanced Telecommunications Computing Architecture (ATCA) and provides a variety of traditional and co-planar options
- Global design and engineering support allows TE to provide a variety of products with customer options available

## KEY FEATURES

- Z-PACK HM-eZD++ connectors support data rates of up to 56 Gbps with density up to 40DP/inch, and better electrical performance
- Headers and receptacles of different data rate versions are compatible with each other
- Smaller plated through-hole size (minimum 0.31mm for signal pin, 0.36mm for ground pin), allows for better design flexibility, and better high frequency performance
- Integrated pre-alignment features and polarization built into a robust mating design, with robust ground shields promoting mechanical durability
- Durability up to 200 mating cycles (max) with 50G mechanical shock resistance
- Operating temperature: -55°C to 105°C

## Z-PACK HIGH SPEED BACKPLANE SOLUTIONS

### HM-ZD PART NUMBERS

Pair	Column	Rectacle		Header	
		PN	Orientation	PN	Orientation
2	4	<a href="#">2274679-1</a>	Right Angle	<a href="#">2274678-1</a>	Vertical
	10	<a href="#">6469028-1</a>	Right Angle	<a href="#">6469025-1</a>	Vertical
		<a href="#">6469169-1</a>		Right Angle	
3	10	<a href="#">6469077-1</a>	Right Angle	<a href="#">6469078-1</a>	Vertical
		<a href="#">6469083-1</a>	Right Angle	<a href="#">6469083-1</a>	Vertical
	15	<a href="#">6469179-1</a>	Right Angle	<a href="#">6469152-1</a>	Vertical
4	5	<a href="#">6469251-1</a>	Right Angle	<a href="#">6469252-1</a>	Vertical
	10	<a href="#">6469001-1</a>	Right Angle	<a href="#">6469002-1</a>	Vertical
		<a href="#">1469362-1</a>		<a href="#">6469048-1</a>	Vertical
	12	<a href="#">6469286-1</a>	Right Angle	<a href="#">6469287-1</a>	Vertical
15	<a href="#">6469294-1</a>	Right Angle	<a href="#">6469296-1</a>	Vertical	

### HM-ZD+ PART NUMBERS

Pair	Column	Rectacle		Header	
		PN	Orientation	PN	Orientation
2	10	<a href="#">2065769-1</a>	Right Angle	<a href="#">2170328-1</a>	Vertical
3	10	<a href="#">2065883-1</a>	Right Angle	<a href="#">2170245-1</a>	Vertical
4	10	<a href="#">2065657-1</a>	Right Angle	<a href="#">2170330-1</a>	Vertical

### HM-eZD PART NUMBERS

Pair	Column	Rectacle		Header	
		PN	Orientation	PN	Orientation
4	10	-	Right Angle	<a href="#">2170901-1</a>	Vertical

### HM-eZD+ PART NUMBERS

Pair	Column	Rectacle		Header	
		PN	Orientation	PN	Orientation
2	10	<a href="#">2329397-1</a>	Right Angle	<a href="#">2329186-1</a>	Vertical
4	10	<a href="#">2170903-1</a>	Right Angle	<a href="#">2170902-1</a>	Vertical

### HM-eZD++ PART NUMBERS

Pair	Column	Rectacle		Header	
		PN	Orientation	PN	Orientation
3	10	<a href="#">2472336-1</a>	Right Angle	<a href="#">2472335-1</a>	Vertical

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