



Z-PACK HIGH-SPEED BACKPLANE SOLUTIONS

TE Connectivity's (TE) 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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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 connectors (12.5 Gbps), HM-ZD+ connectors (15 Gbps), HM-eZD+ connectors (20-25 Gbps), and HM-eZD++ connectors (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

- Headers and receptacles of different data rate versions are compatible with each other
- 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
- Density up to 40DP/inch
- Z-PACK HM-eZD++ connectors support data rates of up to 56 Gbps with better electrical performance
- EZD++ connectors have 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

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HM-ZD PART NUMBERS

Pair	Column	Rectacle		Header	
		PN	Orientation	PN	Orientation
2	4	2274679-1	Right Angle	2274678-1	Vertical
	10	6469028-1	Right Angle	6469025-1	Vertical
	20	6469077-1	Right Angle	6469169-1	Right Angle
3	10	6469081-1	Right Angle	6469078-1	Vertical
				6469083-1	Vertical
				6469183-1	Right Angle
4	15	6469179-1	Right Angle	6469152-1	Vertical
	5	6469251-1	Right Angle	6469252-1	Vertical
	10	6469001-1	Right Angle	6469002-1	Vertical
		1469362-1		6469048-1	Vertical
	12	6469286-1	Right Angle	6469287-1	Vertical
	15	6469294-1	Right Angle	6469296-1	Vertical

HM-ZD+ PART NUMBERS

Pair	Column	Rectacle		Header	
		PN	Orientation	PN	Orientation
2	10	2065769-1	Right Angle	2170328-1	Vertical
3	10	2065883-1	Right Angle	2170245-1	Vertical
4	10	2065657-1	Right Angle	2170330-1	Vertical

HM-eZD PART NUMBERS

Pair	Column	Rectacle		Header	
		PN	Orientation	PN	Orientation
4	10	-	Right Angle	2170901-1	Vertical

HM-eZD+ PART NUMBERS

Pair	Column	Rectacle		Header	
		PN	Orientation	PN	Orientation
2	10	2329397-1	Right Angle	2329186-1	Vertical
4	10	2170903-1	Right Angle	2170902-1	Vertical

HM-eZD++ PART NUMBERS

Pair	Column	Rectacle		Header	
		PN	Orientation	PN	Orientation
3	10	2472336-1	Right Angle	2472335-1	Vertical

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