

DDR4 SO-DIMM Connectors

HIGH SPEED HIGH DENSITY SO-DIMM SOCKETS

DDR4 SO-DIMM connectors deliver high-speed and bandwidth. Being half the size of regular DIMMs, they lower power consumption and promote better thermal management. Different key positions aid alignment and prevent mismatching. 260 position SO-DIMM connectors are available in 4.00mm, 5.20mm, 8.00mm, 9.20mm height, in standard or reverse options.

- High density design of 0.50mm pitch saves board space
- High speed DDR4 digital validation
- Different key positions aid alignment
- SMT mechanical hold-downs
- Provides both right angle and vertical orientation to support different customer preference



TARGET MARKETS



FEATURES

- 4.00mm, 5.20mm, 8.00mm, 9.20mm height offerings
- High density design of 0.50mm pitch
- LCP, Halogen-free, resin housing material
- Different key positions
- SMT mechanical hold-downs

BENEFITS

- Accommodates different customer applications
- Saves board space
- Allows more transition channel for signal
- Withstands high temperature IR flow
- Helps to align connector and prevent mismatching
- Ensures co-planarity adjustment during mounting

TECHNICAL INFORMATION

MATERIAL

- LCP

ELECTRICAL PERFORMANCE

- Data Rate (Mb/s):
1600/1866/2133/2667/3200

MECHANICAL PERFORMANCE

- Current Per Contact: 0.5A max.
- Voltage Rating: 1.2V max.

ENVIRONMENTAL

- RoHS compliant
- Halogen-free

SPECIFICATIONS

- Product Specification: GS-12-1397

PACKAGING

- Tape & Reel

TARGET MARKETS/APPLICATIONS



Servers
Workstations



Desktop PCs
Notebook PCs



Routers
Switches
Base Stations



Embedded Systems

PART NUMBERS

Description	Pitch (mm)	Height (mm)	Orientation	Part Numbers
DDR4 SO-DIMM Right Angle	0.50	4.00	Standard	10159014*
DDR4 SO-DIMM Right Angle	0.50	4.00	Reverse	10159190*
DDR4 SO-DIMM Right Angle	0.50	4.00	Standard	10141997*
DDR4 SO-DIMM Right Angle	0.50	4.00	Reverse	10141998*
DDR4 SO-DIMM Right Angle	0.50	5.20	Standard	10141730*
DDR4 SO-DIMM Right Angle	0.50	5.20	Reverse	10141731*
DDR4 SO-DIMM Right Angle	0.50	8.00	Standard	10141995*
DDR4 SO-DIMM Right Angle	0.50	8.00	Reverse	10141996*
DDR4 SO-DIMM Right Angle	0.50	9.20	Standard	10141732*
DDR4 SO-DIMM Right Angle	0.50	9.20	Reverse	10141733*
DDR4 SO-DIMM Vertical	0.50	-	-	10153311*

*denotes base part number. Please contact Amphenol for complete part numbers.

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