

DDR5 SO-DIMM Connectors

HIGH SPEED HIGH DENSITY SO-DIMM SOCKETS

DDR5 SO-DIMM connectors deliver high-speed and bandwidth. Being half the size of regular DIMMs, they lower power consumption and promote better thermal management. 262 positions SO-DIMM connector are available in various height options.

- High density design of 0.50mm pitch saves board space
- High speed DDR5 digital validation
- Will provide different key positions that aid alignment
- SMT mechanical hold-downs
- Right angle orientation and vertical orientation for different customer preferences



TARGET MARKETS



FEATURES

- 4.00mm, 8.00mm, 5.20mm, 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): 3200/6400

MECHANICAL PERFORMANCE

- Current Per Contact: 0.5A max.
- Voltage Rating: 1.1V max.

ENVIRONMENTAL

- RoHS compliant
- Halogen-Free

SPECIFICATIONS

- Product Specification: GS-12-1667

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
DDR5 SO-DIMM Right Angle	0.5	4	Standard	10162416*
DDR5 SO-DIMM Right Angle	0.5	4	Reverse	10157422*
DDR5 SO-DIMM Right Angle	0.5	5.2	Standard	10161033*
DDR5 SO-DIMM Right Angle	0.5	5.2	Reverse	10161036*
DDR5 SO-DIMM Right Angle	0.5	8	Standard	10157591*
DDR5 SO-DIMM Right Angle	0.5	8	Reverse	10162981*
DDR5 SO-DIMM Right Angle	0.5	9.2	Standard	10162866*
DDR5 SO-DIMM Right Angle	0.5	9.2	Reverse	10162991*
DDR5 SO-DIMM Vertical	0.5	NA	NA	10160554*

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