



**THE DATASHEET OF
10141730-004RLF**



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.

SS10DDR4SODIMMT12ZE44

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View 10141730-004RLF on WIN SOURCE](#)
-  [Amphenol FCI Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management