

DDR5 288pin SMT Connector



OVERVIEW

Luxshare-TECH's vertical DDR5 DIMM sockets provide 288 contacts on 0.85mm pitch. The DDR5 connector interface could be mated with the DDR5 memory modules that conform to JEDEC MO-329. The DDR5 family support SMT solder types. Luxshare-TECH DDR5 connectors could support multi-form of DDR5 modules including UDIMM, RDIMM and LRDIMM. Based on excellent performance and diverse options, Luxshare DDR5 product family are widely adopted in PCs, servers, workstations, storage, and embedded applications in communications and industrial equipment.

FEATURES & BENEFITS

- Supporting channels with transfer rates up to 6.4 GT/S
- Different color for housing and ejector can meet various need
- Lower insertion force, easier for module insertion and enough retention force for better reliability
- Narrow housing solutions, Saves board space and benefits air-flow

PRODUCT APPLICATIONS

Data center & Networking Equipment
Servers/Storage Devices
High Performance Computing (HPC)
Switches/Routers

INDUSTRY STANDARDS

SMT: JEDEC Socket Outlines: SO-023

TECHNICAL INFORMATION

MATERIAL

Terminal: Copper Alloy
Contact Area Finish: Gold over Nickel
Solder Area Finish: Tin over Nickel
Board lock: Stainless steel, plated tin over nickel
Housing: High temperature thermoplastic(UL 94V-0)
Latch: High temperature thermoplastic(UL 94V-0)

ELECTRICAL PERFORMANCE

Voltage: 30V AC(RMS)/DC
Current: 1A MAX per contact
Reference impedance = 50ohm

ENVIRONMENTAL

Operating temperature : -55°C TO +85°C
Storage temperature : +15°C TO +35°C
Relative humidity: 20% to 80%
Atmospheric pressure: 650mm to 800mm of Hg (86 ~106Kpa)

MECHANICAL PERFORMANCE

Rated Durability Cycles: 25
Mating Force: 0.37N /pin MAX
Unmating Force: 0.07N /pin MIN
Retention force- Terminal: 300gf/pin MIN
Retention force- Board lock: 13.3N /pin MIN
Insertion force - Connector to board: 7.65kgf MAX
Preheat: +150° to +180°C / 60~120 seconds
Reflow: +230° to +260°C / 30~60 seconds

PACKAGING

Tray

SPECIFICATION

ES-11-00-0003

Partial PN Table

Product Numbers	Product Description
PD5288-351T-BBN-3H	DDR5 SMT OPEN157,HSG:BK,Latch:BK,3TAB
PD5288-350H-BB2-3H	DDR5 SMT OPEN157,HSG:BK,Latch:BK,3HOOK