LGA7529 SOCKET AND HARDWARE

TE Connectivity's (TE) LGA7529 socket for next-generation server processors provides more connections between the motherboard and the processor. With 7529 pins, the socket delivers increased performance and data bandwidth to support top processor next-generation multi-core architectures and high-throughput workloads, enabling the latest server architectures for data centers and artificial intelligence (AI).

APPLICATIONS

- Hyperscale / Datacenter
- Networking Equipment
- AI / Machine Learning
- Edge Computing
- HPC
- Cloud Service
- Servers
- Switches

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FEATURES & BENEFITS

High Performance

- Great number of pin counts enhances connectivity between the CPU and other components
- Good scalability for next generation processors
- Better thermal management for high-performance operations

Next Generation Hardware

- Supports PCIe 5.0 technology – providing faster speeds and greater efficiency, ensuring compatibility with advanced GPUs, network cards, and storage devices
- Supports 12-channel DDR5 DRAM memory that allowing processors to connect with multiple memory channels for high bandwidth

Reliable and Easy Installation

- Qualified and tested durability, environmental resistance, shock and vibration
- Supports auto-assembly processes to facilitate ease of installation and limit possibility of rework
- Continuing cost optimization

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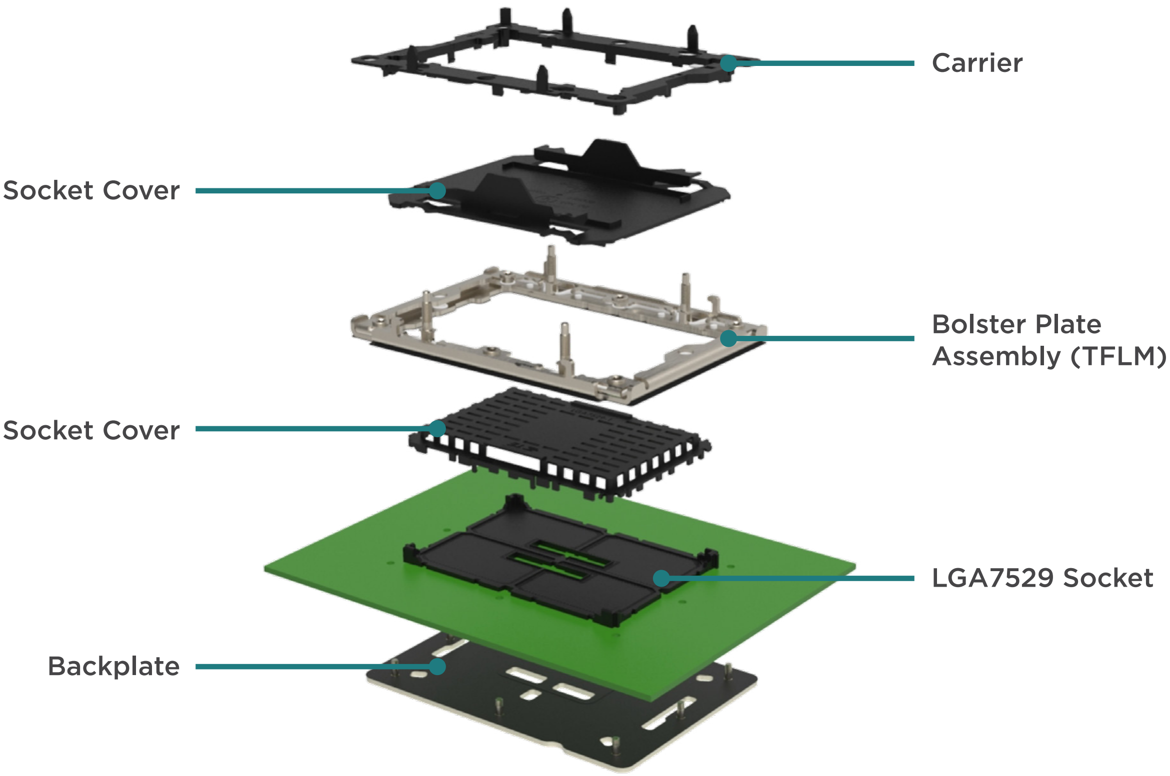

	Part Number	Part Description
LGA7529 Socket	2375157-1	LGA7529 Socket, 30u" Gold Plating
LGA7529 Hardware	1-2376820-1	LGA7529 Bolster Plate Without Dust Cover
	1-2376820-2	LGA7529 Bolster Plate With Dust Cover
	2376821-1	Back Plate (PCB: 2.36mm~2.74mm) (PCB: 0.093"~0.108")
	2376821-2	Back plate (PCB: 2.77mm~3.15mm) (PCB: 0.109"~0.124")
	2376821-3	Back plate (PCB: 3.175mm~3.556mm) (PCB: 0.125"~0.140")
	1-2376822-1	LGA7529 Carrier BR1A
	2376823-1	LGA7529 Carrier BR1B
	2376822-2	LGA7529 Socket Cover

FAQ

- **Q:** What is the Au plating thickness, 15u" or 30u"?
  A: 30u"
- **Q:** Can we use another supplier's Hardware along with TE's LGA7529 Socket?
  A: We recommend use TE CPU Socket & Hardware with better service support
- **Q:** What's the CPU platform support?
  A: TE's LGA7529 Socket supports to the next-generation server processors: Birch Stream; CPU code name: Granite Rapids-AP/Sierra Forest-AP/Clearwater Forest-AP
- **Q:** What is dimension of LGA7529 Socket housing?
  A: 112.5mm x 75.5mm
- **Q:** Can TE's LGA7529 Socket support DDR & PCIe technologies?
  A: TE's LGA7529 Socket supports DDR5 & PCIe Gen5

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