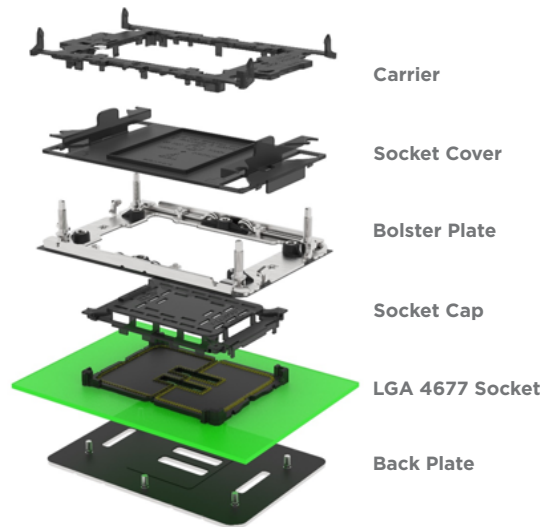# LGA 4677 SOCKET

TE Connectivity's (TE) next-generation server processor LGA 4677 socket provides more connections between main board and CPU. Designed for the needs ofnew generation processors, these sockets support bandwidth intensive operations and contain a greater number of memory channels – greatly expanding input/output capabilities.

LGA 4677 socket is optimized for 8-Channel DDR5 and PCIe Generation 5 (Gen 5) technologies, enabling the latest server architectures for data centers and artificial intelligence (AI) applications.

INDUSTRIES

- Hyperscale
- Next-Gen Servers
- Artificial Intelligence/Machine Learning
- Edge Computing

KEY BENEFITS

- PCIe Generation 5 Support
- DDR5 8-Channel Capable
- Greater Number of Memory Channels (4677 Pins)
- Competitive Pricing Available with World-Class Customer and FAE Support

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PRODUCT FEATURES

- Delivers an aggregate link bandwidth of 128 Gigabits per second in x16 configuration. Supports higher speed networking protocols and higher speed interconnections between system devices

- With DDR5 8-Channel support, LGA 4677 socket provides increased performance and reduced overall power consumption that leads to cost savings

- Greater number of memory channels enable speed intensive applications such as artificial intelligence and machine learning

- When partnered with TE Connectivity (TE) DDR5 DIMM Socket solutions and PCIe Generation 5 (Gen 5), LGA 4677 socket provides a total solution for supporting the data rates required by next generation system architectures

- Supports auto-assembly processes to facilitate ease of installation and limit possibility of rework

SOCKET E1

Carrier

Socket Cover

Bolster Plate

Socket Cap

LGA 4677 Socket

Back Plate

PART NUMBERS

Part Number	Part Description
2-2347090-1	LGA 4677 socket, 30u" gold plating
2-2351050-4	LGA 4677 Bolster plate without socket cover
2-2351050-5	LGA 4677 Bolster plate with socket cover
2351051-1	Back plate (PCB: 0.062mm~0.106mm)
2351051-2	Back plate (PCB: 0.107mm~0.141mm)
1-2351052-5	LGA 4677 Carrier - E1A (no shim, SP XCC)
1-2351052-2	LGA 4677 Carrier - E1B (with shim, SP MCC)
1-2351052-6	LGA4677 Carrier - E1C (no shim, with TIM breaker, +HBM)
1-2351053-2	LGA4677-1 socket cover

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