



LGA 4677 SOCKET

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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TE Connectivity's (TE) next-generation server processor LGA 4677 socket provides more connections between main board and CPU. Designed for the needs of new 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.

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



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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