



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

LEARN MORE

[Landing page](#)

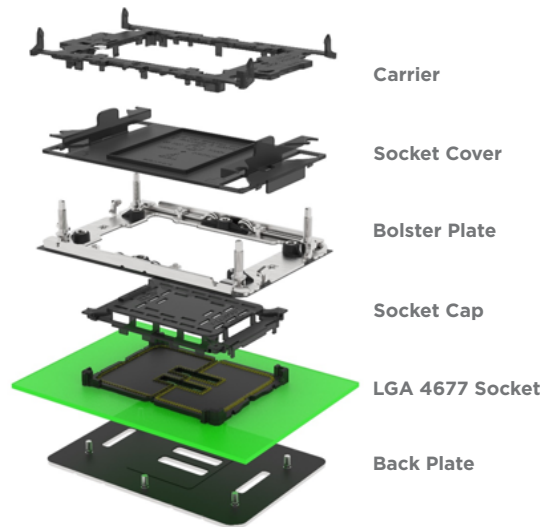
TE Connectivity's (TE) next-generation server processor LGA 4677 socket provides more connections between main board and CPU. Designed for the needs of new generation processors, these sockets support bandwidth intensive operations and contain a greater number of memory channels – greatly expanding input/output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

te.com

TE Connectivity, TE connectivity (logo) and EVERY CONNECTION COUNTS are trademarks owned or licensed by the TE Connectivity Ltd. family of companies. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

© 2023 TE Connectivity. All Rights Reserved.

01/23