



LGA 3647 SOCKET AND HARDWARE

NEXT-GENERATION LGA 3647 SOCKET SOLUTION PROVIDES INCREASED RELIABILITY FOR THE LATEST INTEL CPU PROCESSORS.

TE Connectivity's (TE) new LGA 3647 socket solution meets the next-generation designs of Intel's new CPU processors for higher performance and better system scaling. As one of a limited number of suppliers of this technology, TE is your dependable socket partner to support current and future Intel CPU processor designs.

APPLICATIONS

- Servers
- Data Centers
- High Performance Computing (HPC)

LGA 3647 Socket and Hardware

ELECTRICAL

- Current rating: 0.5 Amps
- Insulation resistance: 500 megohms min. @ 500 VDC

MECHANICAL

- Durability: 30 cycles

MATERIALS

- Housing: LCP
- Contact: Copper alloy, 30μ" gold plated
- Cap: Thermoplastic

SPECIFICATIONS

- Product specification #108-115115

PRODUCT OFFERING

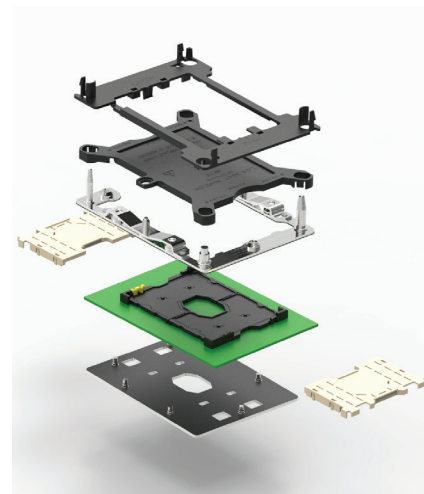
Socket

LGA 3647 Socket Name	TE Part Number (Individual Package)	TE Part Number (Kit Package)	Final Assembly	Key Color	Plating
Socket P0		2-2822979-3	Right & Left	Yellow & Black	30μ" Au
Socket P1		2-2822979-4	Right & Left	Natural & Black	30μ" Au
Socket P0	2-2129710-6		Right Segment	Yellow	30μ" Au
	2-2129710-5		Left Segment	Black	30μ" Au
Socket P1	2-2129710-8		Right Segment	Natural	30μ" Au
	2-2129710-7		Left Segment	Black	30μ" Au

Hardware

TE Part Number	Description
2299804-1	Non-fabric bolster assembly w/cover
2299805-1	Narrow back plate assembly, standard stud length
2299806-1	Non-fabric carrier
2299804-3	Non-fabric bolster assembly w/o cover
2305234-1	Dust cover
2299805-3	Narrow back plate assembly, longer stud length
2310924-1	Fabric bolster assembly w/ cover
2310924-3	Fabric bolster assembly w/o cover
2310927-1	Fabric carrier

For information on product availability, please contact your TE representative.



BENEFITS

- **Two-piece design for increased reliability:** First LGA socket to feature a two-piece design that improves issues with warpage and offers better coplanarity and reliability
- **Dependable partner:** As new generations of chip platforms are developed, TE will offer the latest LGA sockets for your designs

SOCKET KEY FEATURES

- Pitch: 0.9906mm Hex
- SP height: 2.7mm
- Cont. NF: 25gf @ nominal def.
- Pin count: 3,647
- Pin array: 49 x 74
- Housing: 2-piece design

TE Technical Support Center

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Latin/S. America:	54.0.11.4733.2200
Germany:	49.0.6251.133.1999
UK:	44.0.800.267666
France:	33.0.1.3420.8686
Netherlands:	31.0.73.6246.999
China:	86.0.400.820.6015

te.com/products/LGA-Sockets

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