



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

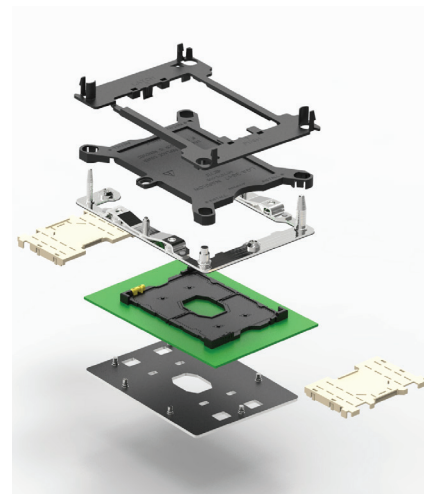
Socket

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

USA:	1.800.522.6752
Canada:	1.905.475.6222
Mexico:	52.0.55.1106.0800
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

TE Connectivity, TE, TE Connectivity (logo) and Every Connection Counts are trademarks.
All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

©2017 TE Connectivity Ltd. family of companies. All Rights Reserved.

1-1773883-1 03/17 DND