

# LGA 4189 SOCKET AND HARDWARE

## NEXT-GENERATION LGA 4189 SOCKET AND HARDWARE PROVIDE INCREASED RELIABILITY FOR THE LATEST CPUs.

TE Connectivity's (TE) new LGA 4189 socket and hardware are qualified to support next generation CPUs. As one of a limited number of suppliers of this technology, TE is your dependable socket partner to support current and future CPU designs.

### APPLICATIONS

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

# LGA 4189 Socket and Hardware

## ELECTRICAL

- Current rating: 0.5 Amps
- Insulation resistance: 800 megohms min. @ 500 VDC

## MECHANICAL

- Durability: 30 cycles

## MATERIALS

- Housing: LCP
- Contact: Copper alloy, 15u" or 30u" gold plated
- Cap: Thermoplastic

## SPECIFICATIONS

- Product specification #108-115149

## PRODUCT OFFERING

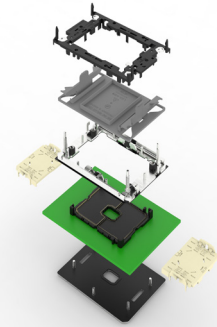
### Socket

LGA 4189 Socket Name	TE Part Number (individual package)	TE Part Number (Kit package)	Final Assembly	Plating
Socket P4		1-2332283-1	Right & Left	30u"
		1-2332283-2	Right & Left	15u"
		1-2332283-3	Right & Left	30u"
		1-2332283-4	Right & Left	15u"
	1-2324271-1		Right Segment	30u"
	1-2324271-2		Left Segment	30u"
	1-2324271-3		Right Segment	15u"
Socket P5	1-2324271-4		Left Segment	15u"
	1-2324271-5		Right Segment	30u"
	1-2324271-6		Left Segment	30u"
	1-2324271-7		Right Segment	15u"
	1-2324271-8		Left Segment	15u"

### Hardware

TE Part Number	Description
2-2330550-1	LGA 4189 Bolster plate w/o dust cover
2-2330550-2	LGA 4189 Bolster plate with dust cover
3-2330550-1	LGA 4189 Bolster plate w/o dust cover
3-2330550-2	LGA 4189 Bolster plate with dust cover
2-2330551-1	LGA 4189 Back plate (PCB: 1.42mm-2.79mm)
2-2330551-2	LGA 4189 Back plate (PCB: 2.79mm-3.94mm)
2-2330552-1	LGA 4189 Carrier
2-2330552-2	LGA 4189 Carrier
3-2330552-1	LGA 4189 Carrier
2-2330553-1	LGA 4189 Hardware Dust cover

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



## BENEFITS

- **Support next-generation processors supporting PCIe Gen 4:** The next generation processors support PCIe Gen 4 and four and eight multi-processor system architectures
- **Full solution provider:** TE has both socket and hardware parts available for a full solution
- **Dependable partner:** As new generations of chip platforms are developed, TE will offer the latest LGA sockets for your designs. Our flexible tooling provides fast turnaround time for prototypes so sockets can be in your hands at the earliest stages of your design process

## KEY FEATURES

- Pitch: 0.9906mm Hex
- SP height: 2.7mm
- Cont. NF: 25gf @ nominal def.
- Pin count: 4,189
- Housing: two-piece design

### TE Technical Support Center

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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

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