



## Introducing LGA 1944 SOCKET

TE Connectivity's surface mount LGA 1944 socket is designed to comply to AMD's new high-performance Opteron 6000 series server processor. The contacts have 0.6 mm diameter solder balls for surface mount onto the PCB, while the top side provides a cantilever beam interface to the package. The socket actuation mechanism (SAM) generates the Z-axis compression load.

### KEY FEATURES

- 1944 contacts with a 1.0mm x 1.0mm grid.
- Contacts have 30u" gold plating.
- Socket housing facilitates efficient soldering to the PCB board.
- Socket is supplied with a cap to facilitate vacuum pick and place. Spare caps can be ordered separately.
- Back plate is not supplied by TE Connectivity. Socket and SAM are designed for use with AMD bolster plate part number 49Z0000042.
- SAM and socket must be ordered separately.

### APPLICATIONS

- Servers

### ELECTRICAL

- Current rating: 1.17 amps
- Insulation resistance: 1000 megohms min. @ 100 VDC

### MECHANICAL

- Durability: 50 cycles
- Mating and unmating force of lever: 4kgf max

### MATERIALS

- Housing: LCP
- Contact: Copper alloy, Gold 30 plated
- Cap: Thermoplastic
- SAM: Stainless steel with thermoplastic standoffs

### APPLICATIONS AND SPECIFICATION

- Application specification #114-5455
- Instruction sheet #411-78334
- Product specification #108-78631

### PRODUCT OFFERING

#### SOCKET G34

Part Number	Description	Contact Plating	Solder Ball
2069189-1	LGA 1944 Socket	Gold (30)	Lead Free
2069189-2	LGA 1944 Socket	Gold (30)	Leaded
2069190-1	Socket Actuation Mechanism (SAM)		-
2069192-1	Spare socket cap		-
2134355-1	External Cover of SAM		



[te.com/products/LGA-Sockets](http://te.com/products/LGA-Sockets)