



20138 Sockets and Hardware for LGA 1156 Processors

General Description:

Tyco Electronics' surface mount LGA socket was designed for use with Intel's® Core™ i7 LGA 1156 processor. The contacts have solder balls for surface mount onto the PCB, while the top side provides a cantilever beam interface to the package. The integrated lever mechanism (ILM) generates the Z-axis compression load. A robust bolster plate eliminates PCB bowing during compression. The sockets have been validated to Intel Design Guides.



Key Features:

- 1156 contacts with a 0.914mm x 0.914mm grid.
- Available with 15 Gold or Gold flash contact plating.
- Socket housing facilitates efficient soldering to the PCB board.
- Socket is supplied with a cap to facilitate vacuum pick and place.
- Backplates are available in zinc or nickel plating.
- ILM, screws and backplate must be ordered separately. Kits are also available for ease in ordering.
- Each ILM assembly requires two ILM screws and one ILM shoulder screw.

Applications:

- Desktop computers
- Low end servers

Related Products Information:

Mfr Part #	Farnell #	Newark #	Description
2013882-1	1783986	58R2935	ILM Assembly
2013882-2	1783987	58R2936	ILM Assembly with ILM screws
2013883-1	1783988	58R2937	Back plate assembly with zinc plating
2013883-2	1783989	58R2938	Back plate assembly with Nickel plating
2013884-1	1783990	58R2939	Shoulder Screw

2040540-1	1783991	58R2940	LGA 1156 Socket with Gold Flash plating
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