

**FEATURES AND SPECIFICATIONS**

[查询"47296-6111"供应商](#)

**Molex offers the Socket S1 for AMD Turion™ 64 and Athlon™ 64 Mobile Processor in 638 pin µPGA Package**

The Socket S1 socket is designed for Advanced Micro Devices (AMD) Turion 64 and Athlon 64 mobile processors. The 638-pin micro pin grid array (µPGA) is packaged for the notebook PC industry. This socket will replace existing Socket 754 for notebooks. It will support dual-channel DDR2 SDRAM, dual-core mobile CPUs and virtualisation technology.

Our high density PGA sockets feature low profile and proven Ball Grid Array BGA soldering technology for stable PCB processing.

**47296  
Socket S1**



Features	Benefits
• High-temperature thermoplastic housing/cover	• Withstands lead-free processing
• PGA contact/BGA solder	• Prevents CPU misalignment
• Lead free BGA solder balls	• Compliant with environmental needs
• Actuation Cam	• Easy CPU insertion/removal during high volume production and tool less operation for end customer
• Zero Insertion Force Socket	• Prevent contact from being damage
• Dual Beam Contact Design	• Reliable electrical and mechanical performance

**SPECIFICATIONS**

**Reference Information**

**Packaging:** Embossed Tape on Reel

**UL File No.:** TBD

**Mates With:** AMD Turion Processor and AMD Athlon 64 Processor

**Designed In:** mm

**Electrical**

**Voltage:** 100V DC

**Current:** 1.5A

**Contact Resistance:** 17 milliohms max.

**Dielectric Withstanding Voltage:** 650V AC

**Insulation Resistance:** 1000 Megohms min.

**Mechanical**

**Insertion Force to Socket:** Zero Insertion Force

**Cam Actuation/De-Actuation Force:** 2.5 in-lbf

**Durability:** 30 cycles

**Physical**

**Housing:** LCP, UL 94-0

**Contact:** Copper Alloy

**Plating:**

**Contact Area** — 0.25 µm (10 µ") Gold

**Underplating** — 1.27 µm (50µ") Nickel overall

**MARKETS AND APPLICATIONS**

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- **Notebook Industry**

**molex**<sup>®</sup> **1.27mm (.050") Pitch  
CPU Socket**

**47296  
Socket S1**



**ORDERING INFORMATION**

<b>Lead-Free Order No.</b>	<b>Description</b>
<b>47296-6111</b>	<b>1.27mm (0.050") Pitch Socket S1, 638 Circuits, 0.25<math>\mu</math>m (10<math>\mu</math>" ) Gold, Vertical, Surface Mount</b>



*Bringing People & Technology Together, Worldwide<sup>SM</sup>*

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