



## For Immediate Release:

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### **Austin Semiconductor, Inc. announces 512Mb SDRAM, 54-Pin TSOPII with Copper Lead Frame**

**Austin, Texas** - Austin Semiconductor, Inc. (ASI), a leading technology solutions provider for the high-reliability marketplace, has expanded their semiconductor assembly services by adding the only onshore TSOPII capability to their extensive line of products and services. The first product is a 512Mb, 54-Pin TSOPII SDRAM with copper lead frame.

The TSOPII features a Lead on Chip (LOC) design, which allows the size of the package to be approximately the chip size, which reduces the size to the minimum. The device is a 512Mb, 32Mb x 16, 3.3V, SDRAM, measuring 22.30mm x 11.76mm, with a height of 1.2mm. This product is currently available and Austin Semi is capable of providing 8,000 – 10,000 parts per month.

"Austin Semiconductor is pleased to be able to support the Hi-Rel community's need for thermal efficient and mechanically robust plastic packaging with our 54-pin TSOPII. In addition, we are offering our Hi-Rel customers more security and confidence by being the only domestic supplier with the TSOPII capability," says Frank Muscolino, President of Austin Semiconductor.

The TSOPII is ideally suited for High-Temp applications in the Automotive / Industrial / Military industries, cellular base stations, gas / oil explorations, Aerospace & Avionics, Engine Control, On-Board Flight Computers, Radar / Sonar, and much more.

#### **512Mb, 54-Pin TSOPII SDRAM FEATURES**

- Full Military temp (-55°C to 125°C) processing available
- Configuration: 32 Meg x 16 (8 Meg x 16 x 4 banks)
- Fully synchronous; all signals registered on positive edge of system clock
- Internal pipelined operation; column address can be changed every clock cycle
- Internal banks for hiding row access/precharge
- Programmable burst lengths: 1, 2, 4, 8 or full page
- Auto Precharge, includes CONCURRENT AUTO
- PRECHARGE and Auto Refresh Modes
- Self Refresh Mode (IT)
- 64ms, 8,192-cycle refresh (IT)
- <24ms 8,192 cycle refresh (XT)
- WRITE Recovery (tWR = "2 CLK")
- LVTTTL-compatible inputs and outputs
- Single +3.3V ±0.3V power supply

Austin Semiconductor, Inc. has been supplying technology solutions to the high reliability marketplace for over twenty years. Being fully QML certified and ISO 9001 / AS9100 registered, Austin Semiconductor meets and exceeds the demands of the Military, Aerospace, Transportation, Industrial-Embedded and Medical Diagnostic markets. Current product offerings include I/C components and Multi-Chip Modules, as well as, integrated product solutions to their customers through a broad line of HI-REL Ceramic products, Integrated Plastic Encapsulated Microcircuits (iPEM), Commercial-Off-The-Shelf (COTS) up-screened products and a Solid State Disk on Chip. Austin Semiconductor is located in Austin, Texas and works their sister company, TS2 Micro in Alton, England to provide optimum products and services for the world wide high-reliability marketplace.

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