

# Building It Up-Breaking It Down with iSuppli

Building It Up/Breaking It Down with [iSuppli](#) [1] provides a quick look inside the latest products, highlighting some of the components used. Today we take a look inside the Apple iMac Desktop Computer.

**Component Parts:** **ECN**

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## Apple iMac (MB950LL/A) Desktop Computer

**LTC3851EUD#PBF**  
Synchronous Step-Down Switching Regulator Controller with 1% Accuracy  
Features include a precision 0.8V reference compatible with a 4V to 38V input supply range and OPTI-LOOP compensation for transient response optimization over a wide range of output capacitance and ESR values.

**Linear Technology**

**XIO2213AZAY**  
1394 Interface AC PCI Express to 1394b OHCI Host Controller  
Highlights include three 1394b Cable Ports at 100M, 200M, 400M, and 800M B/s/s, active-state link power management, and eight 3.3-V, multifunction I/O terminals

**TEXAS INSTRUMENTS**

**NTH6543T1**  
-20V -4.0A, P-Channel ChipFET  
Well-suited for power management in portable and battery-powered products; i.e., cellular and cordless telephones and PCMCIA cards. Features include a low RDS(on) for higher efficiency and logic level gate drive.

**ON Semiconductor**

**MMBZ5234**  
Silicon Planar Power Zener Diodes - 8.2V ±0.05mV Standard Zener voltage tolerance is ±5% with a "B" suffix, i.e., MMBZ5225B-V, suffix "C" is ±2% tolerance. The diodes are also available in MiniMELF case with the designation TZMe22s.

**VISHAY**

All these component parts and more can be found at [www.DigiKey.com](http://www.DigiKey.com).

**Digi-Key**

Click here to [Get the Complete Teardown from iSuppli of the Apple iMac](#)

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### **Links:**

[1] <http://www.isuppli.com>

[2] [http://www.ecnmag.com/uploadedFiles/ECN/Articles/2010/04/EC104iSuppliBreakdown\\_Web.pdf](http://www.ecnmag.com/uploadedFiles/ECN/Articles/2010/04/EC104iSuppliBreakdown_Web.pdf)

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