

## Release Note

Thank you for purchasing the **EZ-Board™** product.

### **Software Requirements for BF526 EZ-Board use:**

- **VisualDSP++ 5.0 Update 4**

**Manual:** Please read the manual and familiarize yourself with the board before applying power.

The manual can be found:

- [http://www.analog.com/static/imported-files/eval\\_kit\\_manuals/ADSP\\_BF526\\_EZ\\_BRD\\_manual\\_Rev.1.0\\_Aug08.pdf](http://www.analog.com/static/imported-files/eval_kit_manuals/ADSP_BF526_EZ_BRD_manual_Rev.1.0_Aug08.pdf)

### **Signal Termination:**

Signal termination, series or parallel, is recommended for EBIU signals in custom board designs. The BF526 EZ-Board was designed for operation only at 25°C and 1.8V. IBIS data and simulations were used to determine that no termination was needed on this design with the exception of the SCLK (CLKOUT) signal, which should always be terminated.

### **Boost Regulator for Expansion Interface:**

When using the lithium ion battery to power the BF526 EZ-Board (JP9 OFF, JP25 ON, JP8 5&6, 7&8), SW22 must remain ON when charging the battery from USB (P8) or the wall (P14).

### **Rework:**

The following parts have been reworked onto the BF526 EZ-Board. The first is a replacement for U39, which is now NXP Semiconductors GTL2002DC, with pin 7 lifted and soldered to pin 8. The second is an ON Semiconductor schottky diode MBR120VLSFT1G with the cathode (banded) soldered to 3.3V and the anode soldered to 1.8V. A schottky diode is soldered in series with pin 8 of ZP1, so that the anode is connected to the lifted pin and cathode to the pad of ZP1.

### **BOM Deviations:**

The following parts have been changed for BOM revision 0.6

- R15, R16 are 430 Ohms
- R304 200K
- JP19 removed
- U39 GTL2002DC from NXP Semiconductor
- Schottky diode MBR120VLSFT1G
- R301, R302 680 Ohms
- R244 0 Ohms
- R299 removed