

# Quick Start Guide for MSC8156ADS

## STEP 1 Verify Kit Contents

Verify that all kit contents are included.



- a.) MSC8156ADS with attached plastic spacers and screws
- b.) CodeWarrior Development Suite with license, Suite Quick Start and memory stick with software
- c.) Documentation CD for MSC8156ADS
- d.) AC/DC 12V/5.5A universal power supply kit (1)
- e.) RS-232 standard serial cable with two 9-pin connectors (1)
- f.) Ethernet cables (2)
- g.) USB cable Type A to Type B (1)
- h.) Allen key (1)

**Note:** A UTAP connector, used for system debugging, is not supplied in the kit; it can be ordered separately.

## STEP 2 Default Settings

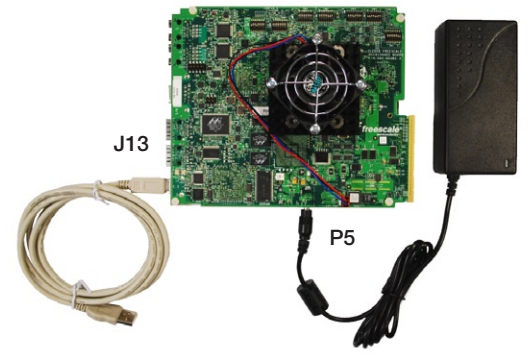
The board is shipped with default settings.

For detailed settings information, access the Hardware Getting Started Guide on the documentation CD. Use this guide to verify switch (Section 5) and jumper (Section 6) default settings.

## STEP 3 Assemble the Power Supply

For standalone mode, assemble and connect the 12V power supply by following these steps:

- a.) Ensure that all power is turned off.
- b.) Assemble the AC/DC power supply kit as follows:
  - Connect the power cable to the suitable country-specific wall plug option.
  - Connect the assembled power cable to the power supply.
- c.) Connect the AC/DC power supply cable to the 12V (P5) board jack.
- d.) Plug the power cable into the wall outlet.
- e.) Insert one end of the USB cable into the board USB socket (J13).

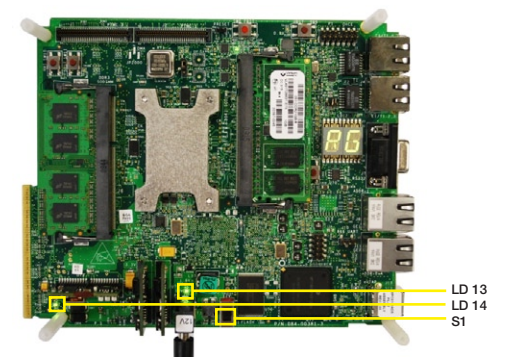


**Note:** In AMC mode, power comes from a connecting board (not shown in photo).

## STEP 4 Power Up and Power Off

Perform the initial power up and system check:

- Move the power switch (S1) to the ON position. After completion of the PRESET sequence, LDs 13 and 14 display a constant green light.
- Move the power switch (S1) to the OFF position to power off the system.



**Note:** Steps 1 to 4 describe the mechanical setup and basic ADS contents for a standalone system. Refer to the *Hardware Getting Started Guide* and *MSC8156ADS Reference Manual* for other configuration details.

**STEP 5** Load the Software

Load the software after confirming board connections and operation.

- Remove the memory stick from the CodeWarrior Development Suite package.
- Insert the memory stick into the USB port connection of the designated PC.
- Follow the displayed instructions.



**!** Memory Stick

The memory stick included in the CodeWarrior Development Suite package holds the software.

The CodeWarrior Development Suite Quick Start included with the software package explains how to register and activate the software, repair existing software and purchase additional products.

**!** Documentation CD

The documentation CD includes the Hardware Getting Started Guide, the MSC8156 Application Development System (MSC8156ADS) Reference Manual and other product documentation.

Refer to [www.freescale.com/dsp](http://www.freescale.com/dsp) for current documentation relating to MSC8156 and MSC8256 DSP family products supported by this board.

Supported products include the following devices:

- MSC8154
- MSC8156
- MSC8251
- MSC8252
- MSC8254
- MSC8256

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