SK-S12XDP512-A Quickstart Tutorial





Install Additional Components

The Soffec Microsystems Additional Components install all of the other required components to your hard drive. These components include the Starte Kit USB driver, the software plug-in for CodeWarrior, examples and documenta

tall the Soffee Microsystems Additional Components, insert the Soffee Microsystems "System Software" CA-ROM into your computer's CA-ROM drive. A startup window will automatically appear. Choose "Install Instrument Software" from the main merus. Alt of a dealable. Software CA-ROM (Software CA) STEXOPS 12-A Starter KIT Addition. al Components" spoint follow the on-screen instructions.

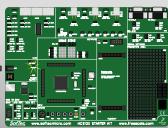
Note: to install the SK-S12XDP512-A Starter Kit Additional Components on Windows 2000 or Windows XP, you must log in as Administrator. 3

Power up the Board

The power connector accepts a 12 V DC, wall plug-in power supply with a 2. mm pin and sleeve plug with positive in the center and sleeve as ground. Make sure the "VDD ENA" jumper is inserted. The voltage is internally regulated to 5.0 V DC.

The green "POWER" LED on the board should turn on.





to the new version.

to the PC

Connect the Board

CodeWarrior



Found New Hardware Wizard

SofTec

The first time the Starter Kit is connected to the PC, Windows recognizes the instrument and starts the "Found New Hardware Wizard" procedure, asking you to specify the driver to use for the instrument.

The procedure is slightly different on each version of Windows. On Windows X select the "Install the software automatically" option and click on the "Next button.

Be sure not to specify any drive or optional location where to look for the driv since it has already been installed on your hard disk by the SK-S12XDPS12-A Starter Kit Additional Components setup.



Note: both Windows 2000 and Windows XY may issue a warning during the Tound When I fail and the Windows Procedure. This is work of the Windows of the Windows of the Windows on the Window

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Run CodeWarrior and Open the Example



rom the main menu, choose "File > Open"

Select the "Demo.mcp" workspace file that is located under the "Program Files (Metrowerks) CW for HCS12X (CodeWarrior_Examples) HCS12X (Soffec Microsystems (SK-S12XDP512-A \Demo" directory.



Click "Open".

The C code of this example is contained in the "main.c" file Double click on it to open it.

Start a Debugging Session

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From the main menu, choose "Project > Debug". This will compile the so code, generate an executable file and will download it to the demo board.

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Run the Example

From the main menu choose "Run > Start/Continue". Th

executed in real-time.

Press the "PB4" push-button. The output of the light sensor will be displayed on the two dot-matrix displays, in a graphic way. The light sensor is placed on the right of the "PB4" push-button. Cover the sensor with a finger and see the



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Congratulations!





You have successfully completed this tutorial! You can continue to experiment with the CodeWarrior user interface and discover by yourself its potentialities.

For an in-depth guide of all of the user interface features.

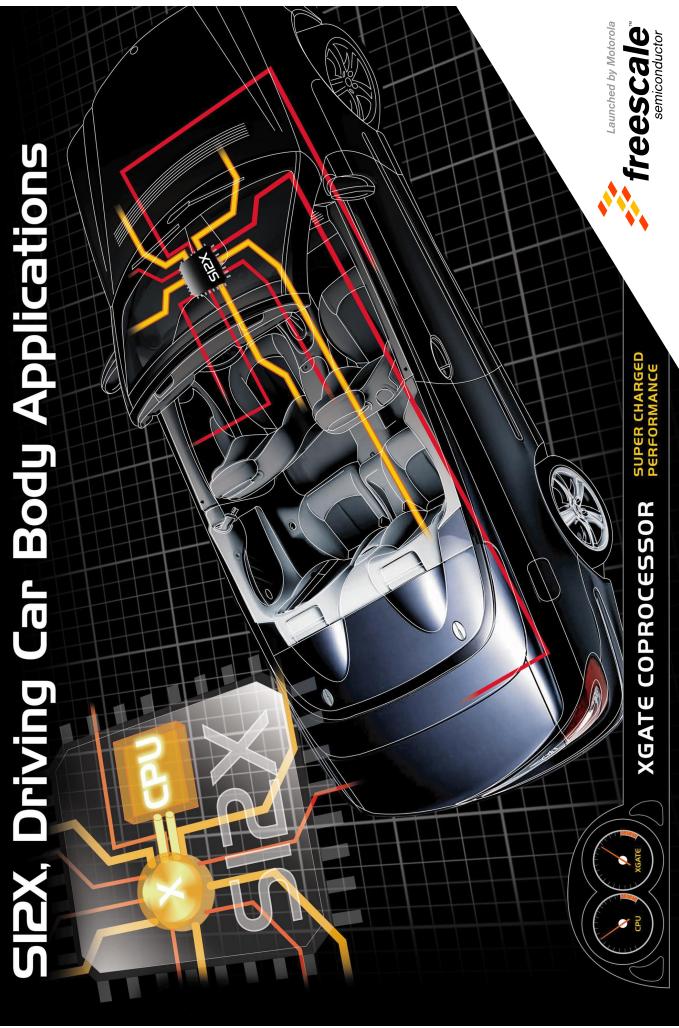
For an in-depth guide of all of the user interface features, select **Help > CodeWarrior Help** from the CodeWarrior IDE main menu.

For the latest software releases, new products, new supported devices, discussion forums and FAQs, log on to

http://www.softecmicro.com/



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