

FM4 S6E2G-SERIES PIONEER KIT

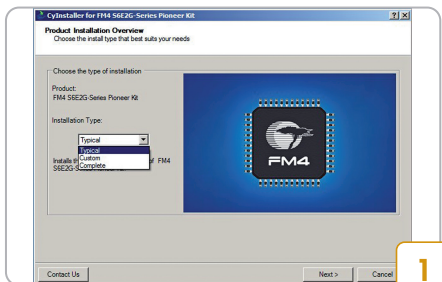


Kit Contents:

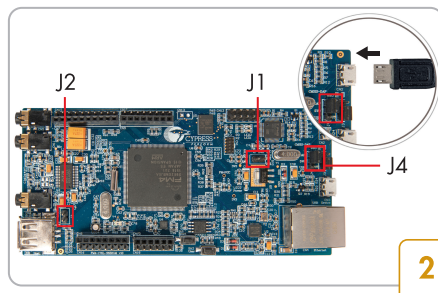
- 1 FM4 S6E2G-Series Pioneer board
- 2 USB Standard-A to Micro-B cable
- 3 Quick Start Guide (this document)



www.cypress.com/FM4-176L-S6E2GM

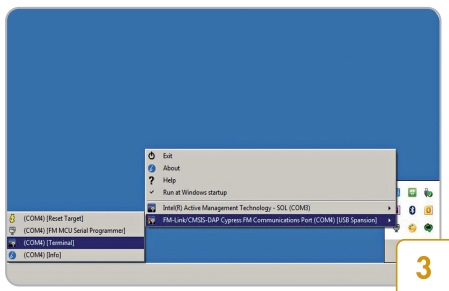


- Download and install the FM4 S6E2G-Series Pioneer Kit installer *FM4S6E2GMKitSetup.exe* from www.cypress.com/FM4-176L-S6E2GM

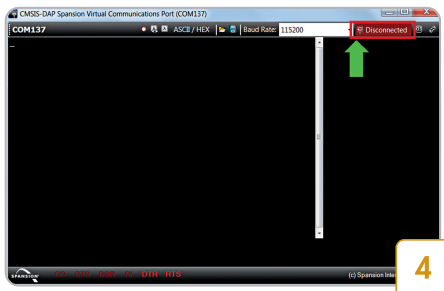


- Check jumpers J1 and J2 are open
- Check jumper J4 is loaded on pin1 and pin2
- Connect the board to a PC via CN2 using the USB cable

FM4-176L-S6E2GM QUICK START GUIDE



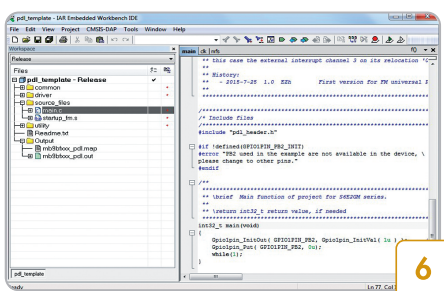
- Launch the **Serial Port Viewer Tool** from Start > All Programs > Cypress > Serial Port Viewer Tool
- Click on the Serial Port Viewer icon in the notification area of the taskbar and select **FM-Link/CMSIS-DAP Cypress FM Communications Port**



- Configure the baud rate as **115200**
- Click the **Disconnected** button to connect
- Press **Enter** on your PC keyboard to run the board test demo



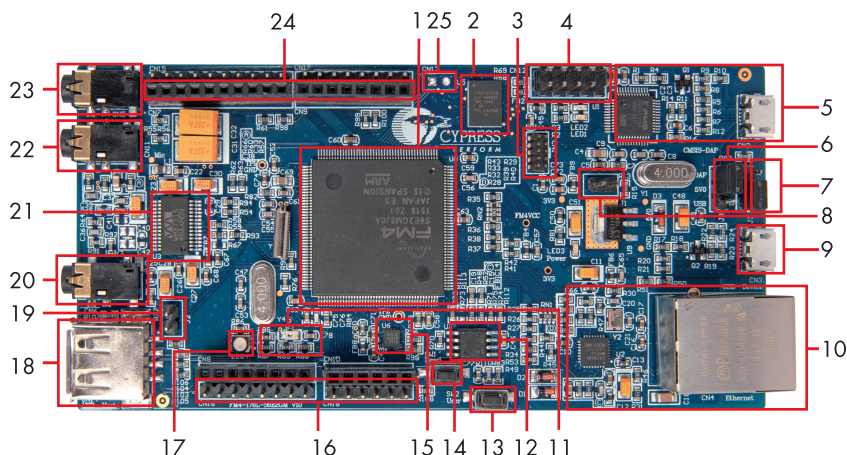
- Key in **5** and press **Enter** to change the RGB LED (LED4) color from Red to Green to Blue. For more information on the test procedures, refer to the kit user guide



- Use IAR Embedded Workbench or Keil uVision to develop code examples on this kit

FM4-176L-S6E2GM QUICK START GUIDE

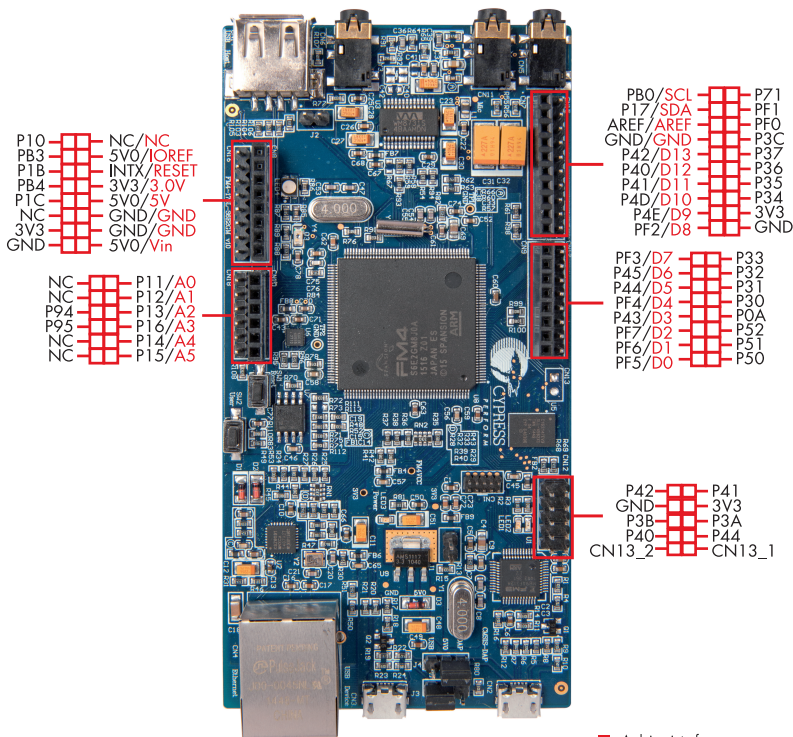
FM4 S6E2G-Series Pioneer Board Details



- | | |
|---|---|
| 1. Cypress FM4 S6E2GM8J0A MCU | 13. User button (SW2) |
| 2. 4-Mb SRAM | 14. Reset button (SW1) |
| 3. 10-pin JTAG connector (CN1) | 15. Accelerometer |
| 4. Multicon Interface connector (CN12) | 16. Additional GPIO headers (CN15-CN18) |
| 5. MB9F312K Programmer and Debugger (CMSIS-DAP) (CN2) | 17. RGB LED (LED4) |
| 6. Power supply source select (J4) | 18. USB host connector (CN14) |
| 7. Serial programming mode select (J3) | 19. Programming mode jumper of S6E2GM (J2) |
| 8. Programming mode jumper of MB9F312K (J1) | 20. Line-in jack (CN6) |
| 9. USB device connector (CN3) | 21. Stereo codec |
| 10. Ethernet PHY and RJ45 connector (CN4) | 22. Microphone jack (CN11) |
| 11. Phototransistor | 23. Headphone jack (CN5) |
| 12. 32-Mb Quad-SPI NOR Flash | 24. Arduino™ interface (CN7-CN10) |
| | 25. Additional-pins for Multicon Interface connector (CN13) |

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FM4 S6E2G-Series Pioneer Board Details



■ Arduino interface
■ FM4 S6E2G-Series Pioneer board
 NC - Not Connected

For the latest information about this kit, visit www.cypress.com/FM4-176L-S6E2GM