FM4 S6E2H-SERIES STARTER KIT



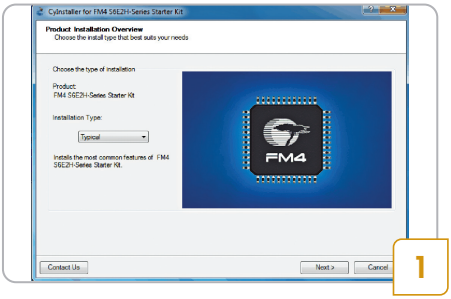
Kit Contents:

1 FM4 S6E2H-Series Starter board

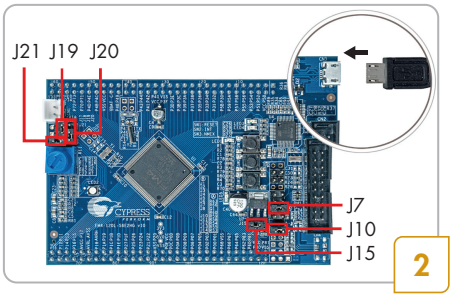
2 USB Standard-A to Micro-B cable

3 Quick Start Guide (this document)

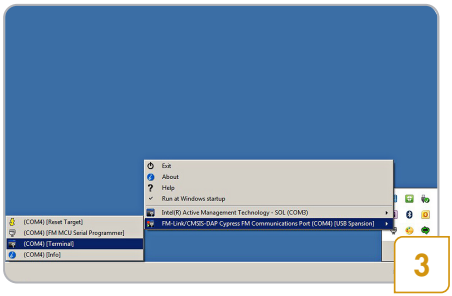
www.cypress.com/FM4-120L-S6E2HG



- Download and install the *FM4 S6E2H-Series Starter Kit installer FM4S6E2HGKitSetup.exe* from www.cypress.com/FM4-120L-S6E2HG



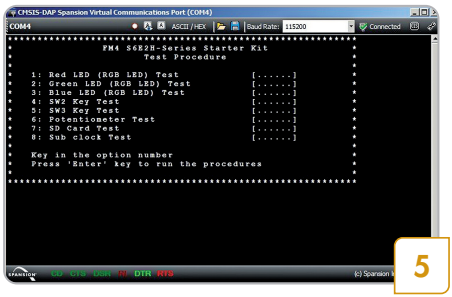
- Ensure jumpers J7, J10 and J19 are loaded
- Ensure jumpers J15, J20 are loaded on pin1 and pin2
- Ensure jumper J21is loaded on pin2 and pin3
- Connect the board to a PC via CN3 using the provided USB cable



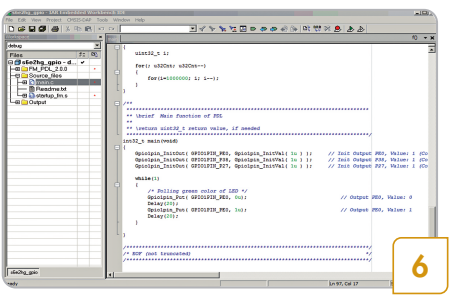
- Launch the **Serial Port Viewer Tool** from Start > All Programs > Cypress > Serial Port Viewer Tool
- Click on the Serial Port Viewer icon in the notification area of the taskbar and select **FM-Link/CMSIS-DAP Cypress FM Communications Port**



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

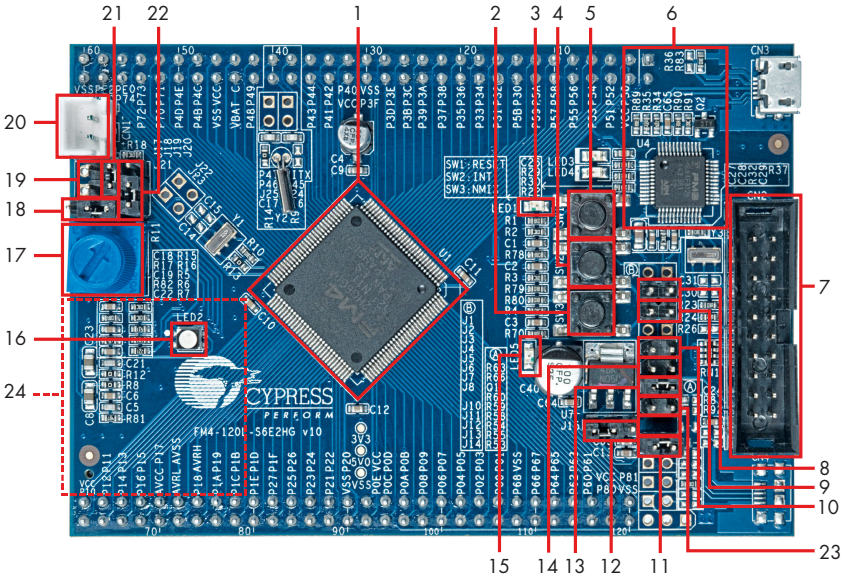


- Key in **1** and press **Enter** on your keyboard. The RGB LED will blink with Red color. For more information on the test procedures, refer to the kit user guide



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

FM4 S6E2H-Series Starter Board Details



1. Cypress FM4 MCU S6E2HG6A0J
2. Non-maskable interrupt (NMIX) Switch (SW3)
3. Reset LED (LED1)
4. User button (SW2)
5. Reset button (SW1)
6. MB9AF312K Programmer and Debugger (CMSIS-DAP)
7. 20-pin JTAG interface (CN2)
8. VBUS Selection Jumper for CMSIS-DAP (J2)
9. Programmer and Debugger Jumper (J3)
10. Programming mode jumper of MB9AF312K (J5)
11. Jumper to connect SW3 (J10)
12. On-board voltage select (J15)
13. Select power from CMSIS-DAP (J7)
14. Select power from peripheral (J6)
15. Power supply LED (LED5)
16. RGB LED (LED2)
17. Potentiometer (R11)
18. Jumper for Pin56 multifunction select (J21)
19. Programming mode jumper of S6E2HG (J18)
20. Battery connector (CN1)
21. Jumper to connect S6E2HG SIN0 (J19)
22. Jumper to connect S6E2HG SOT0 (J20)
23. Select Power by 20-pin JTAG interface (J8)
24. SD card slot (CN5) (bottom side)

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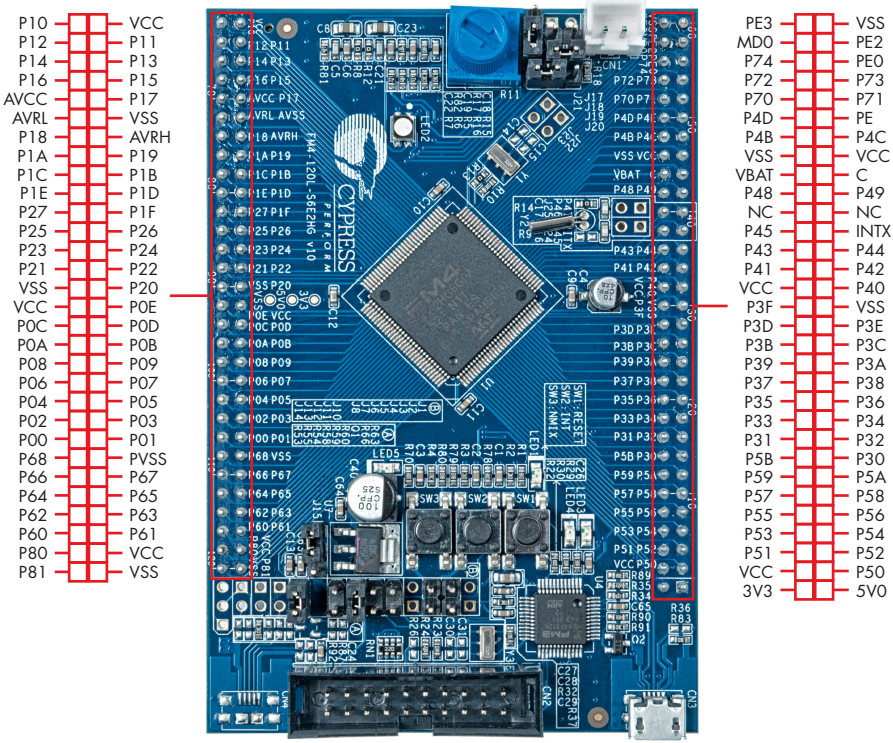

For the latest information about this kit, visit www.cypress.com/FM4-120L-S6E2HG

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