EMEVB8502 QUICK START GUIDE
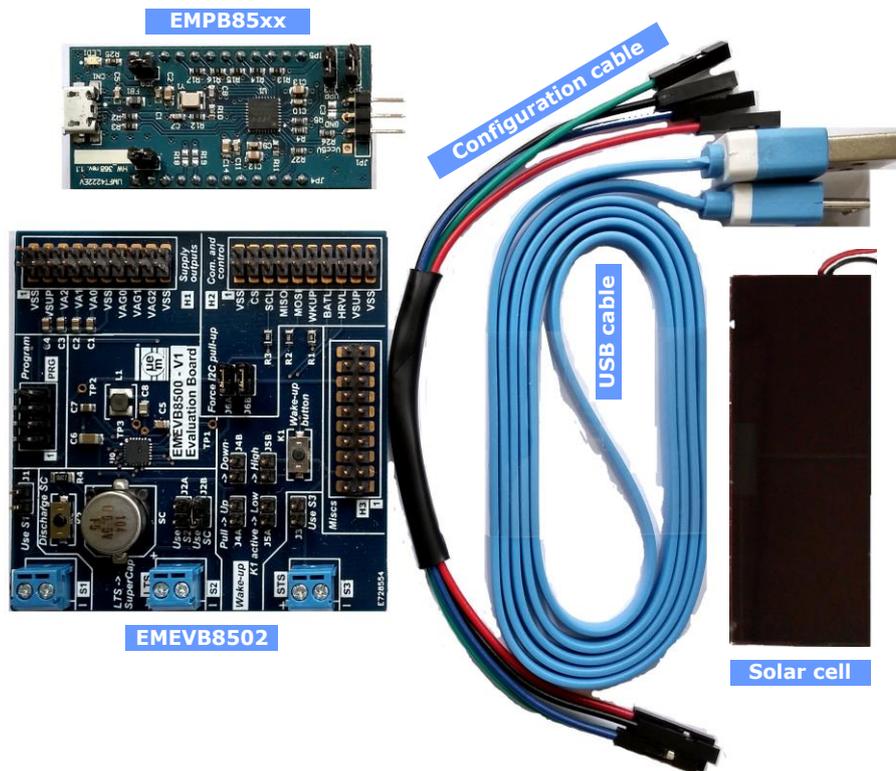

Your EMEVB8502 Evaluation Kit contains:

l   **EMEVB8500** Evaluation Board for EM8502
l   **EMPB85xx** Configuration tool
l   **USB Cable** - **Configuration cable**
l   **Solar cell**

Full documentation for **EMEVB8500** and **EMPB85xx** is available on EM's website

http://www.emmicroelectronic.com/emdownloads/EM8500/empb8500_user_guide.pdf
http://www.emmicroelectronic.com/emdownloads/EM8500/emevb8500_user_guide.pdf

To start evaluating EM8502 and developing your application this quick start document guides you through the set-up of your evaluation hardware kit and software.

1 SOFTWARE DOWNLOAD

l **Download** the EMPB85xx Configuration software tool from EM website

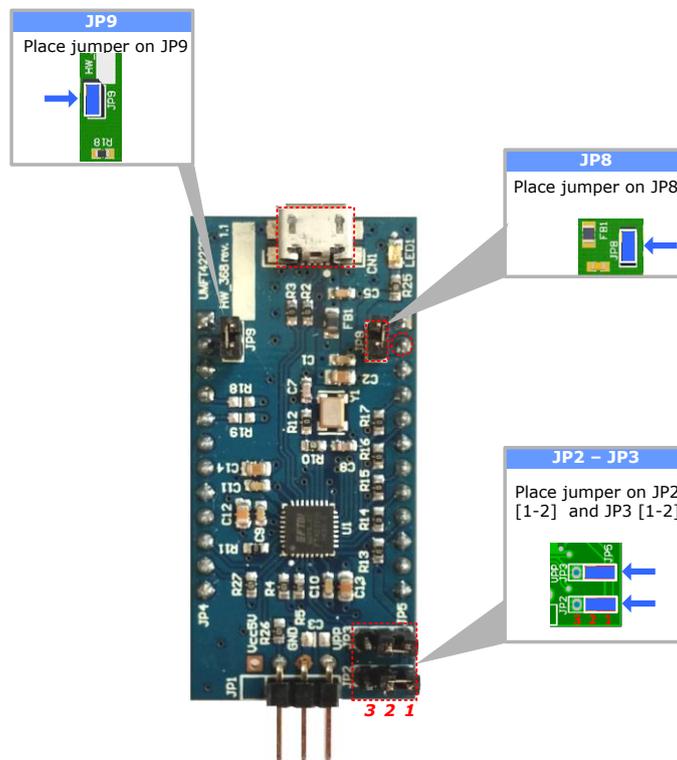http://www.emmicroelectronic.com/emdownloads/EM8500/SetupEMPB85xx.exe

2 INSTALL THE DOWNLOADED EMPB85XX CONFIGURATION TOOL SOFTWARE

For additional questions please refer to the EMPB85xx User Guide
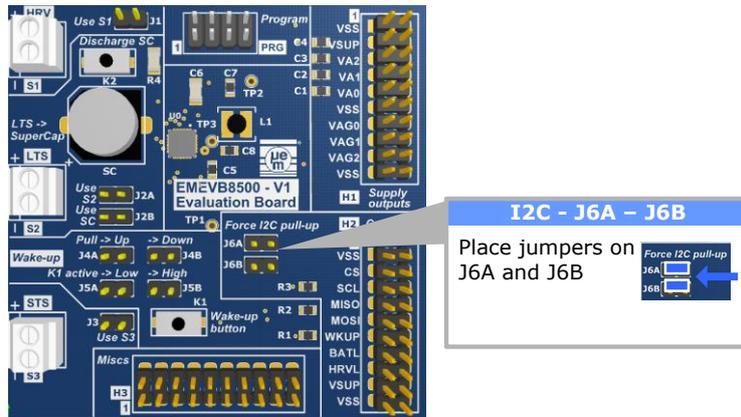
3 CONFIGURE THE EMPB85XX

l **Place the jumpers** as shown below

For additional questions please refer to the EMPB85xx User Guide

4   CONFIGURE THE EMEVB8500 FOR EM8502

l   **Place the jumper** as shown below

I2C - J6A – J6B

Place jumpers on J6A and J6B

5   CONNECT THE CONFIGURATION CABLE FROM THE EMPB85XX TO THE EMEVB8500

l   **Connect** cable from **JP4.3** to **PRG.1 (VSS)**
l   **Connect** cable from **JP5.3** to **PRG.2 (VSS-CS)**
l   **Connect** cable from **JP5.1** to **PRG.3 (VSUP)**
l   **Connect** cable from **JP4.4** to **PRG.4 (SCL)**
l   **Connect** cable from **JP5.2** to **PRG.5 (STS)**
l   **Connect** cable from **JP4.5** to **PRG.8 (SDA)**
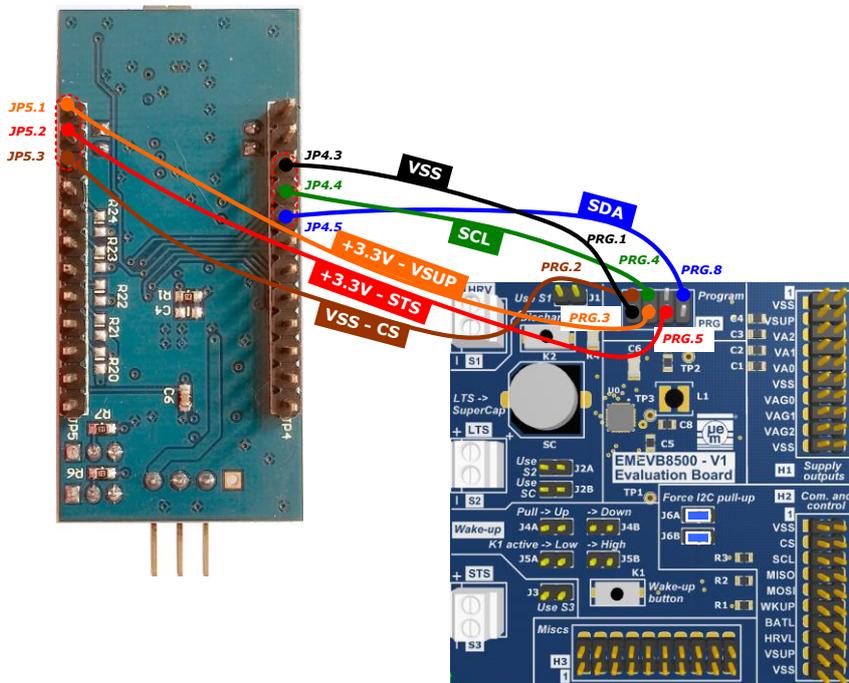
Complete step 5 first then 6 !

6   USB CABLE CONNECTION

- **Connect USB cable from the PC to the EMPB85xx.**
- **Verify** EMPB85xx USB detection (FT4222) in Device Manager / Universal Serial Bus controllers

➔ **FT4222H Mode 3 Device.**
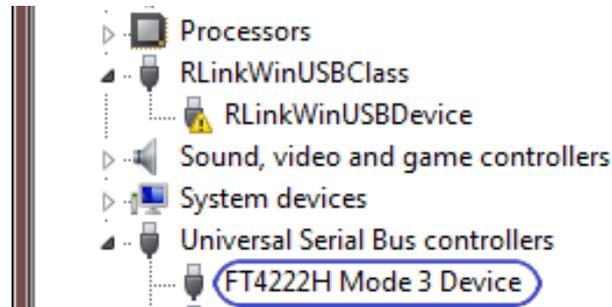
7   CHECK THE COMMUNICATION

- **Click** on the **shortcut** "EM Microelectronic" ➔ "EMPB85xx Command Line and console".
- **Type** the following **command**   empb85xx –test
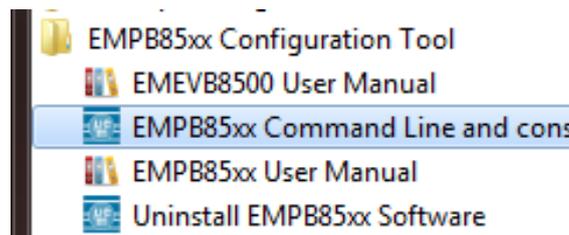
The message below indicates that communication to the programmer and to the EM8502 device is established.