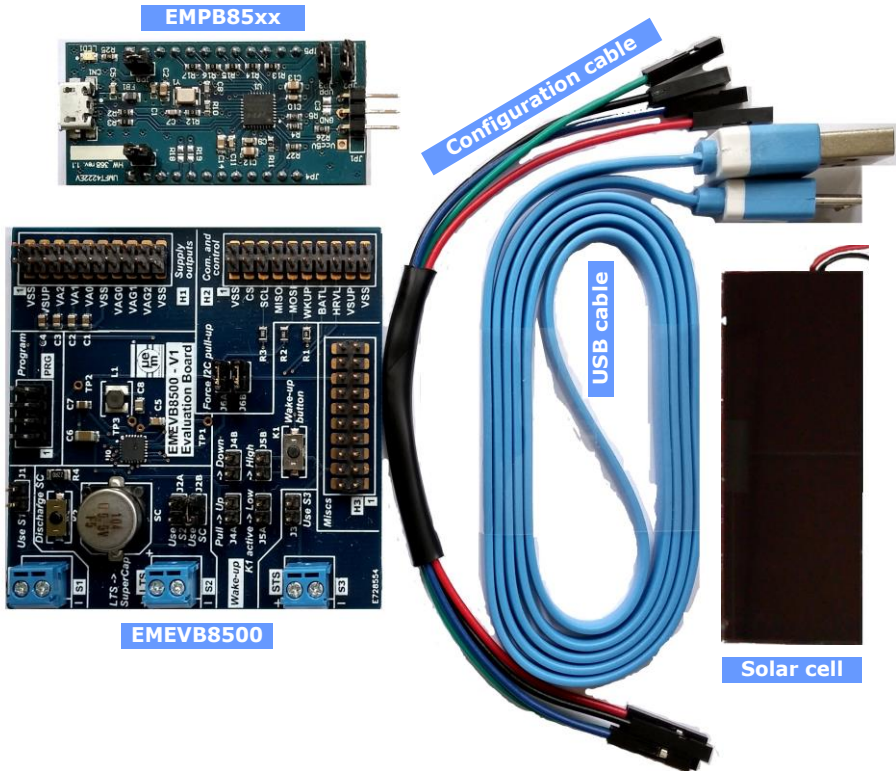


# EMEB8500 QUICK START GUIDE

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## Your EMEVB8500 Evaluation Kit contains:

- **EMEB8500** evaluation board
- **EMPB85xx** Configuration tool
- **USB Cable - Configuration cable**
- **Solar cell**

Full documentation for **EMEB8500** and **EMPB85xx** is available on EM's website

[http://www.emmicroelectronic.com/emdownloads/EM8500/doc/empb8500\\_user\\_guide.pdf](http://www.emmicroelectronic.com/emdownloads/EM8500/doc/empb8500_user_guide.pdf)

[http://www.emmicroelectronic.com/emdownloads/EM8500/doc/emevb8500\\_user\\_guide.pdf](http://www.emmicroelectronic.com/emdownloads/EM8500/doc/emevb8500_user_guide.pdf)

To start evaluating EM8500 and developing your application this quick start document guides you through the set-up of your evaluation hardware kit and software.

[Support.ips@emmicroelectronic.com](mailto:Support.ips@emmicroelectronic.com)

<http://www.emdeveloper.com>

<http://www.emmicroelectronic.com>



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## Software download

- **Download** the EMPB85xx Configuration software tool from EM website  
<http://www.emmicroelectronic.com/emdownloads/EM8500/SetupEMPB85xx.exe>

2

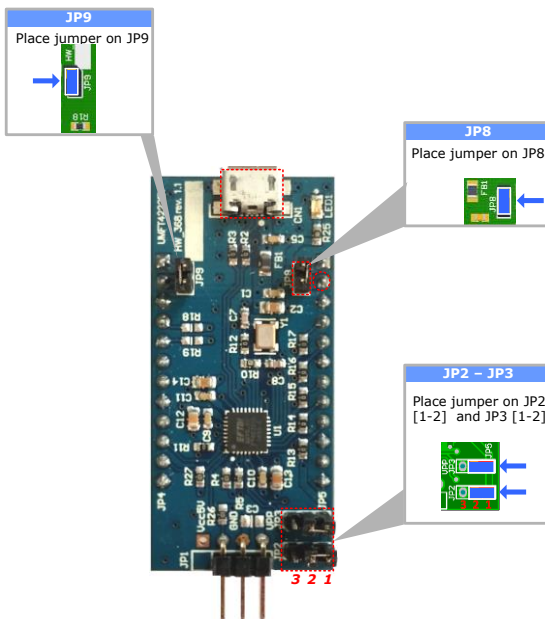
## Install the downloaded EMPB85xx Configuration tool software

For additional questions please refer to the EMPB85xx User Guide

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## Configure the EMPB85xx

- **Place the jumpers** as shown below



For additional questions please refer to the EMPB85xx User Guide

[Support.ips@emmicroelectronic.com](mailto:Support.ips@emmicroelectronic.com)  
<http://www.emdeveloper.com>  
<http://www.emmicroelectronic.com>



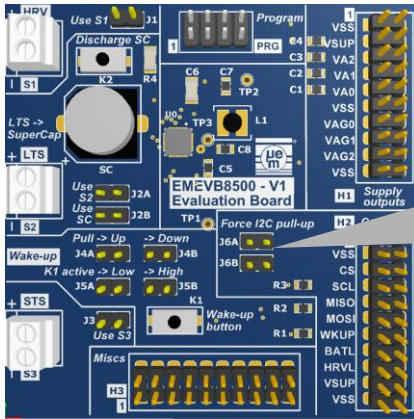
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## 4

### Configure the EMEVB85xx

- Place the jumper as shown below



#### I2C - J6A - J6B

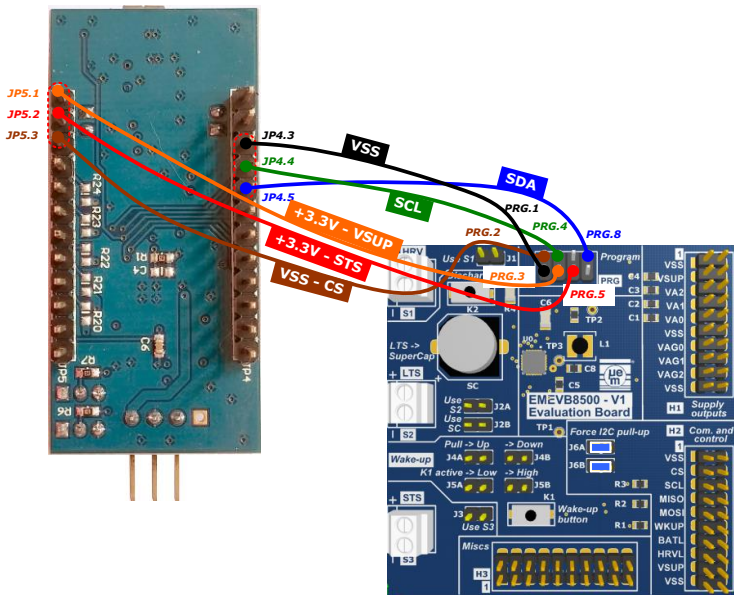
Place jumpers on J6A and J6B



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### Connect the configuration cable from the EMPB85xx to the EMEVB85xx

- **Connect** cable from **JP4.3** to **PRG.1 (VSS)**
- **Connect** cable from **JP5.3** to **PRG.2 (VSS-CS)**
- **Connect** cable from **JP5.1** to **PRG.3 (VSUP)**
- **Connect** cable from **JP4.4** to **PRG.4 (SCL)**
- **Connect** cable from **JP5.2** to **PRG.5 (STS)**
- **Connect** cable from **JP4.5** to **PRG.8 (SDA)**



**Complete step 5 first then 6 !**

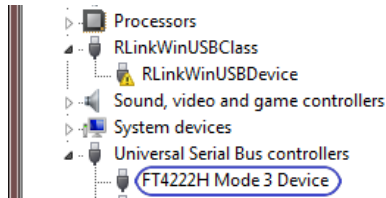
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## USB cable connection

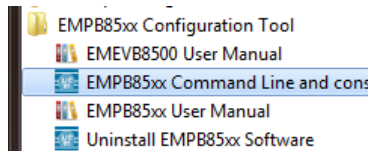
- **Connect USB cable from the PC to the EMPB85xx.**
  - **Verify** EMPB85xx USB detection (FT4222) in Device Manager / Universal Serial Bus controllers
- ➔ **FT4222H Mode 3 Device.**



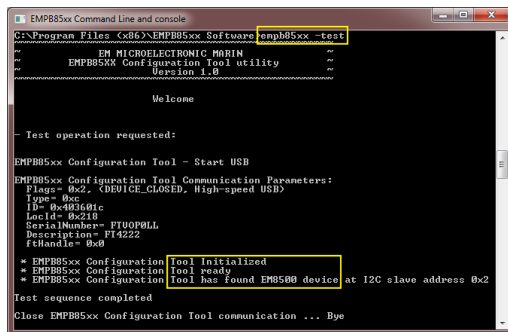
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## Check the communication

- 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 EM8500 device is established.



[Support.ips@emmicroelectronic.com](mailto:Support.ips@emmicroelectronic.com)  
<http://www.emdeveloper.com>  
<http://www.emmicroelectronic.com>



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