**Revision History**

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| --- | --- | --- | --- | --- |
| **Doc #** | **Date** | **Author** | **Description** | **Rev.** |
| PRD-0105 | 2/4/16 | S. TRANI | Initial Release | A |
|  | 8/10/17 | J. TRAUD | Revised to show Cypress Console method and added screenshots to reduce confusion | B |

1. **Applicability**
   1. This procedure applies to the following unprogrammed board assemblies:

*USB BOARD Assembly, p/n 110008, Rev. 6 and newer*

* 1. This procedure applies to the following programmed board assemblies:

*STROKER STANDARD USB BOARD Assembly, p/n 180006,*

*Rev. 1 and newer*

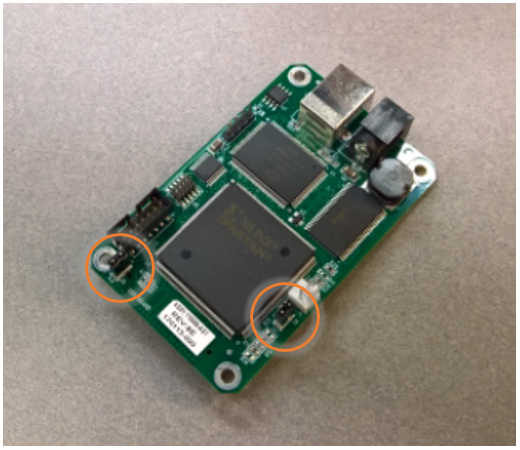
*STROKER USB BOARD Assembly with External Laser Control, p/n 180007,*

*Rev. 1 and newer*

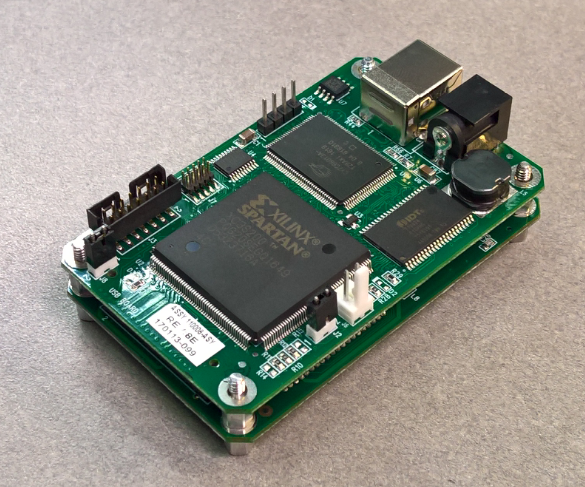
*HAMAMATSU INGAAS USB BOARD Assembly, p/n 180017,*

*Rev. 1 and newer*

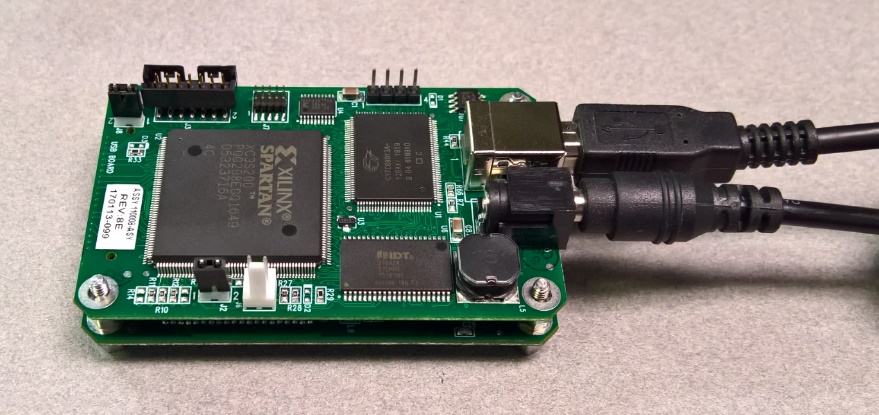
1. **Required Tools**
   1. Cypress Semiconductor SuiteUSB 3.4 Tools  
      <http://www.cypress.com/documentation/software-and-drivers/suiteusb-34-usb-development-tools-visual-studio>   
        
      This general install will load the Cypress USB Console (“CyConsole”)
2. **Instructions**
   1. Install jumpers on headers J2 and J8 of the FX2 USB Board, if this has not already been done by the supplier.



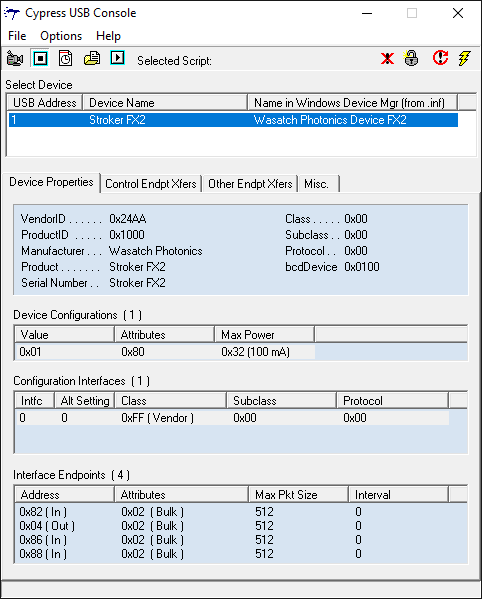
* 1. Connect the 110008 USB Board assembly to a Stroker Power Board Assembly (110012).



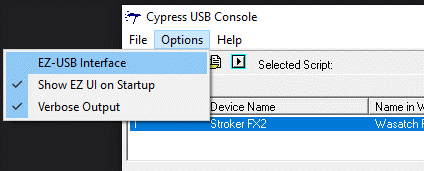
* 1. Plug the power supply into J5 of the USB Board Assembly. Connect a USB cable from the USB Board to the PC.



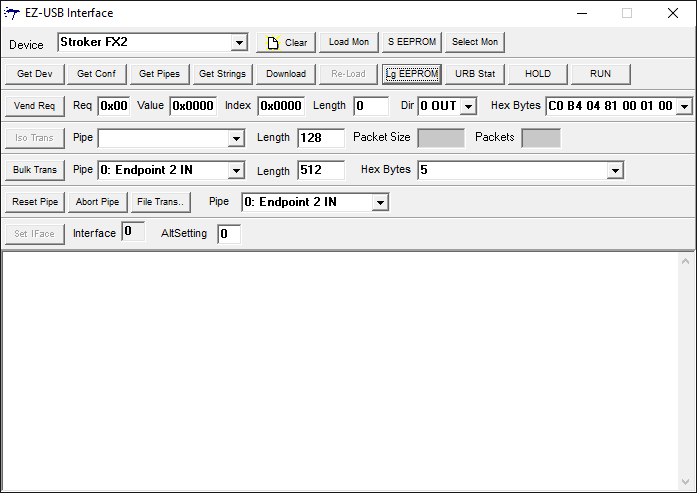
* 1. Start the Cypress USB Console program installed with the Cypress USB Suite. This can be easily found using the Windows Search and typing “CyConsole”.   
       
     **NOTE: If the USB board is powered and connected to your computer, but the Cypress Console does NOT display any information like in the screenshot below, then the wrong drivers are being used. Your computer is likely using the LibUSB drivers that the ENLIGHTEN software package uses. You will need to switch to the Cypress drivers.**



* 1. If it does not load by default, you will need to load the **EZ-USB Interface** window by selecting the option from the **Options** menu.



* 1. You will program the device in this window by selecting it using the **Lg Firmware** button.



* 1. When programmed successfully, the window should look like the following:

