The firmware for this product now utilizes the open source version created by pgo. You can find detailed documentation under the USBDM JM version sections.

1) Install Freescale's CodeWarrior for HCS08, CodeWarrior HCS12, CodeWarrior for ColdFire, Codewarrior for DSC or the Eclipse version of Codewarrior on the host computer. Free versions can be found at http://www.freescale.com/codewarrior/downloads.

2) After CodeWarrior installation, insert the **WTUSBDM_CF_JM_CLD** cd and run the USBDM_4_12_x_Win.msi installation file. This will auto detect your Codewarrior installation and install the necessary files, device programmers and documentation.

3) From the CD, install the USB drivers by running one of the following files:

- **USBDM_Drivers_x_x_x_WinXP_x32.msi** - Windows XP 32-bit
- **USBDM_Drivers_x_x_x_WinXP_x64.msi** - Windows XP 64-bit
- **USBDM_Drivers_x_x_x_Win_x32.msi** - Windows 7 or newer 32-bit
- **USBDM_Drivers_x_x_x_Win_x64.msi** - Windows 7 or newer 64-bit

4) If required, carefully open the plastic enclosure and attach the required ribbon cable.
The option highlighted in red is the default configuration.

Header	Target
P2	Coldfire V2, V3, V4
P3	HCS08/12, CF1 (default)
P4	ARM JTAG
P6	DSC / ONCE
P9	Serial interface

Note: The WTUSBDM_CF_JM_CLD is an electrostatic sensitive device and handling precautions should be observed.

5) After a few minutes, the drivers should be installed and then select "finish".

6) Connect the **WTUSBDM_CF_JM_CLD** to the BDM program/debug header on the target PCB.

7) Create or open a project using Freescale's CodeWarrior tools.

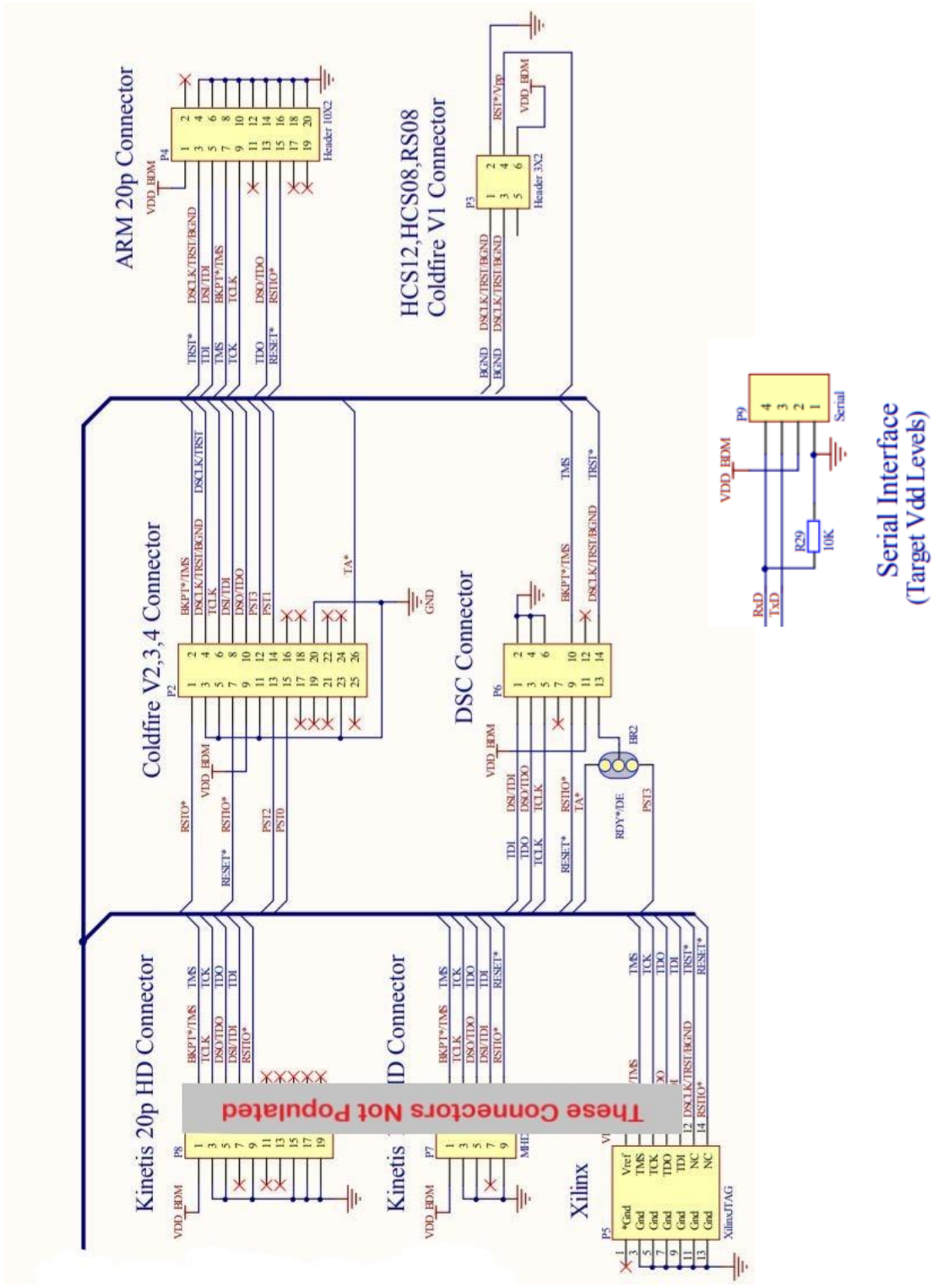
8) Select the appropriate target as "TBDML", "HCS08 Open Source BDM", "Cfv1 Open Source BDM", "CFV234", "USBDM_Coldfire", "USBDM ARM interface" or "USBDM_DSC" for a S12, S08, CF v1, CF v234, CF v7, Kinetis or DSC devices respectively. This can also be changed in the project manager window of most IDEs.

9) Create and compile the target firmware.

10) Launch the Debugger

11) When starting the debugger you will be presented with a dialog box dependent upon the device being used. After making your selections and closing this dialog box, debugging will proceed.

For additional detailed information: http://usbdm.sourceforge.net/USBDM_V4.12/USBDM_CF_JMxx/html/index.html


ARM 20p Connector
HCS12,HCS08,RS08
Coldfire V1 Connector
Coldfire V2,3,4 Connector
DSC Connector
Kinetis 20p HD Connector
Xilinx
Serial Interface
(Target Vdd Levels)
These Connectors Not Populated