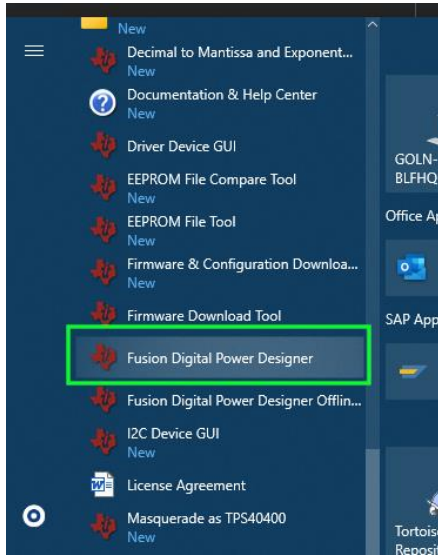
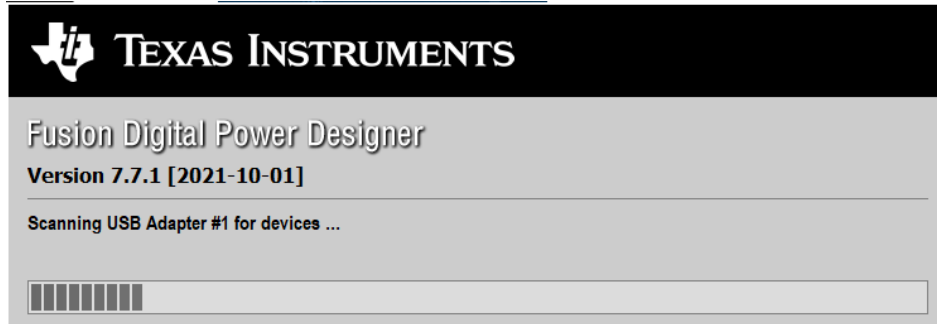


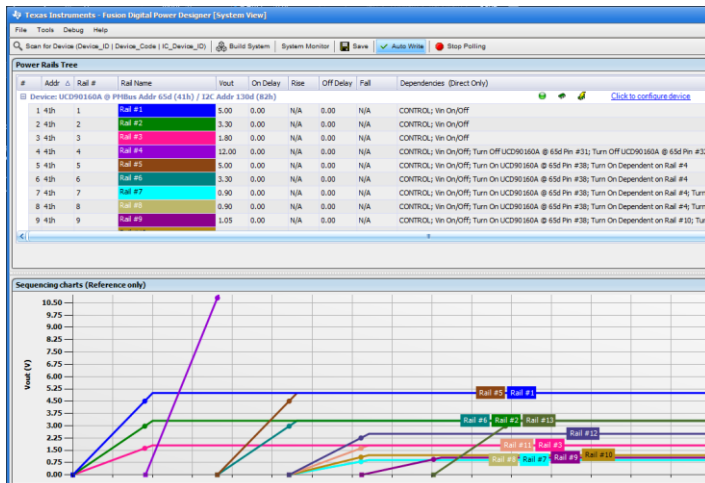
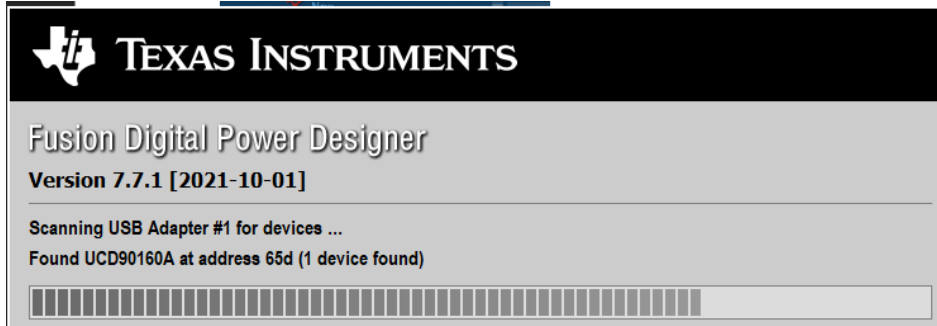
Here is status of the Digital Power Designer GUI, and what causes it to Crash:
 TI USB Interface Adapter is used to connect to the board, the target board is turned on at this point.
 Start the GUI:



SW version 7.7.1:

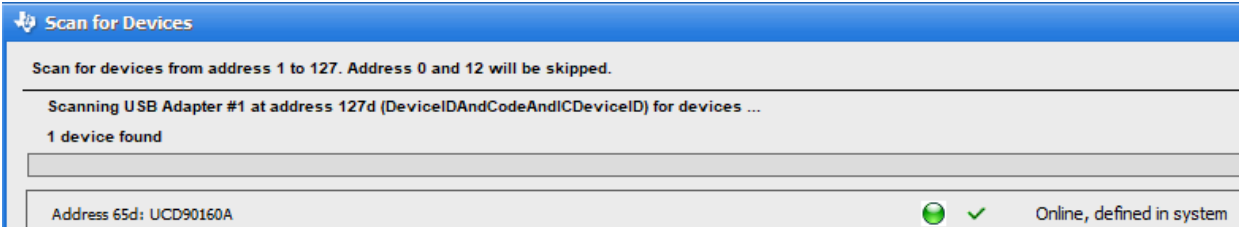
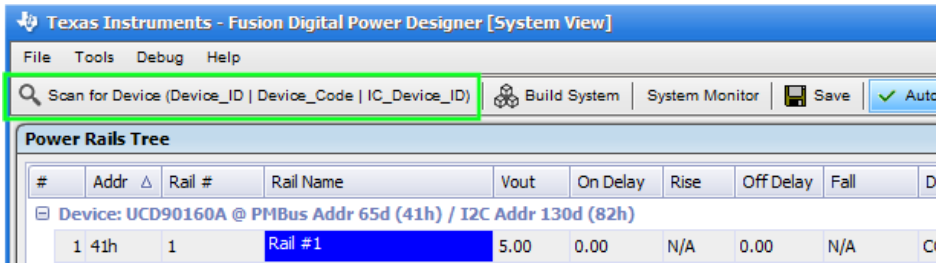


UCD90160A is found:



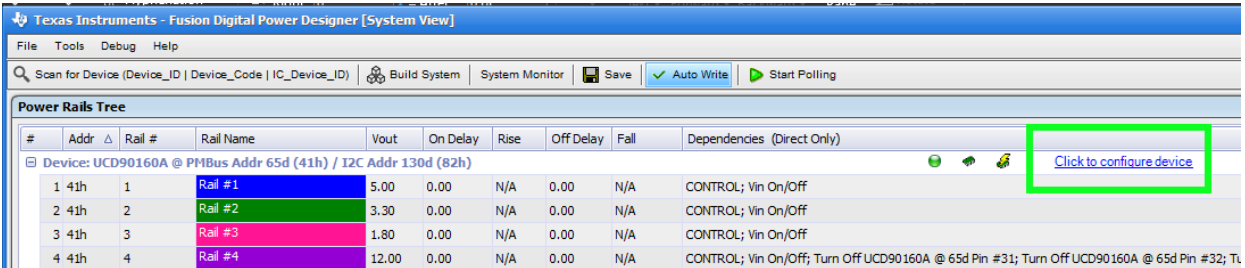
The GUI starts and displays rail voltages

If I do scan for devices, the chip is detected. Com to the chip is good:

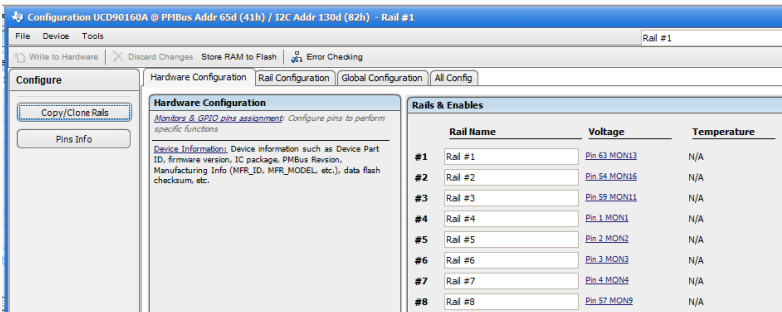


To program the chip, these are the steps taken:

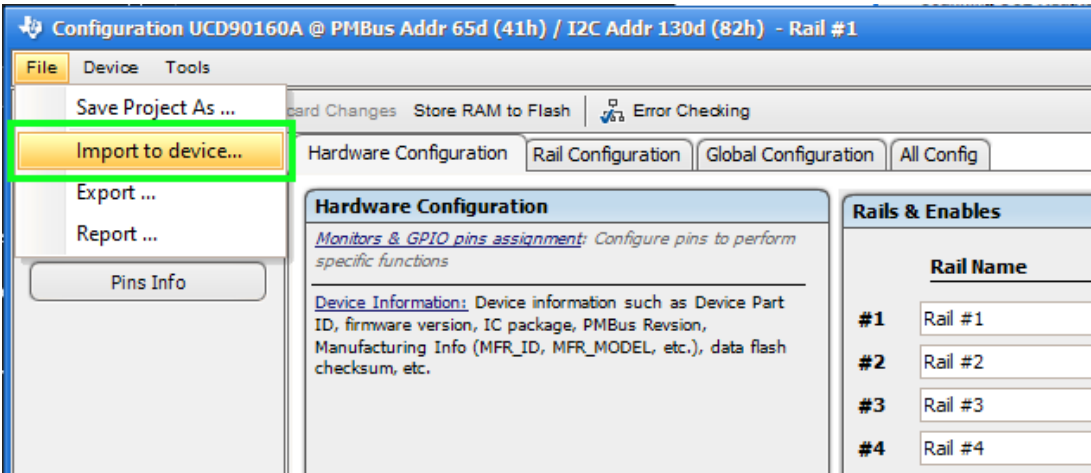
Click 'configure device'



Configuration Manager opens up:



Select File -> Import to Device



Hex File type is selected

Select Device Import Type ...

Select the type of file to import:

Project File (.xml)

A project file contains a device's PMBus configuration in XML format. It is the primary data file for a device's configuration and design in 'offline' mode: without a live connection to your device, you can export your design and sequencing that is not stored on the device. For example, a definition of the board.

In offline mode, project import is different than project open. Project import allows you to export the project you currently have open and are editing. This differs from when you open a project file you are editing and opens a new one.

Data Flash (.hex)

This is only available for devices that support direct programming of a device configuration. The configuration will be validated during this import. Note that data flash exports are generally only good for the device you try to import a data flash that was exported for a different firmware release than the one you are currently using.

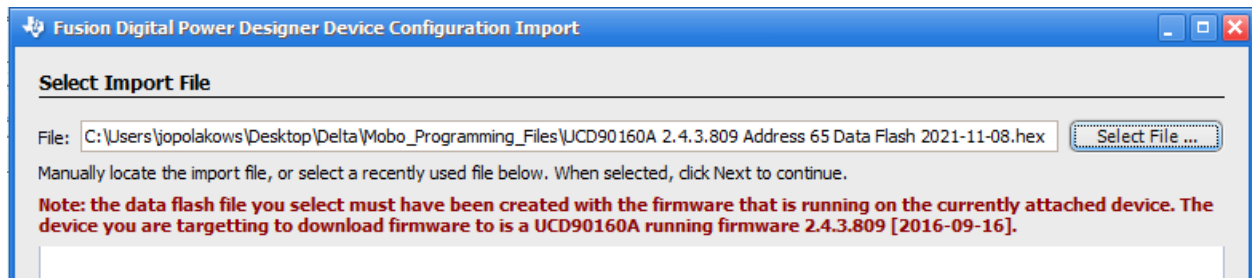
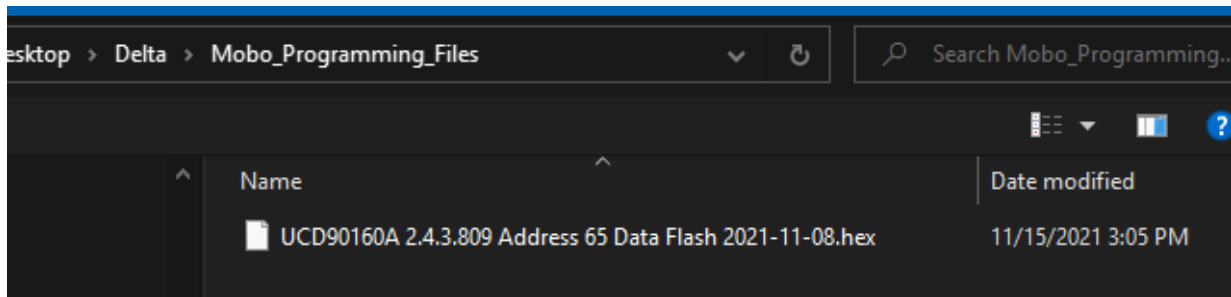
PMBus, SMBus, or I2C Script (.csv)

A full device configuration will be imported in terms of a series of SMBus or I2C writes to the device. You can use this to import/export your configuration through the Fusion GUI. This format is useful when you are in a development environment or to assist in the development of host controller software.

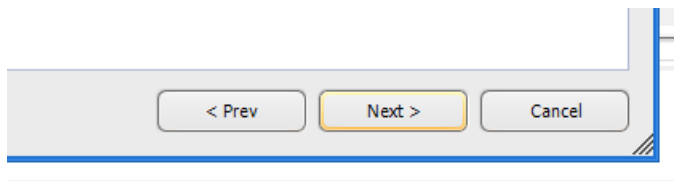
SMBus is a higher level command protocol that sits on top of I2C. SMBus scripts can be easily read because of how the device address and optional PEC byte gets encoded into the script.

Note: I2C import via GUI ignores address and PEC bytes in import file: current device address will be used.

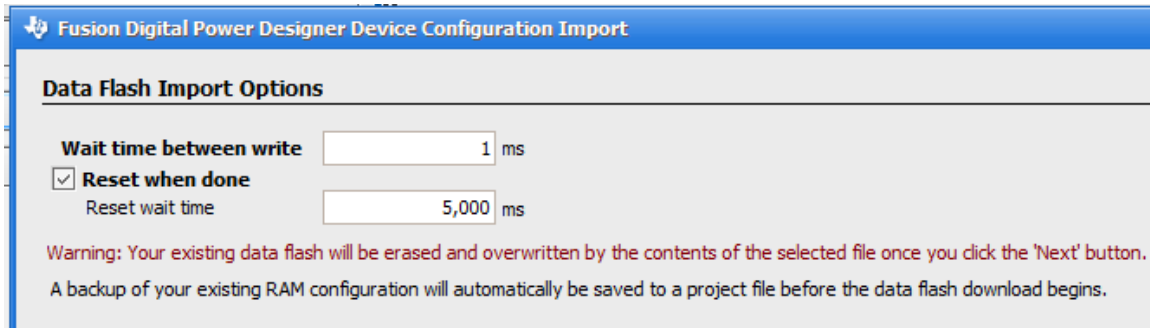
Hex File created on another workstation is selected:



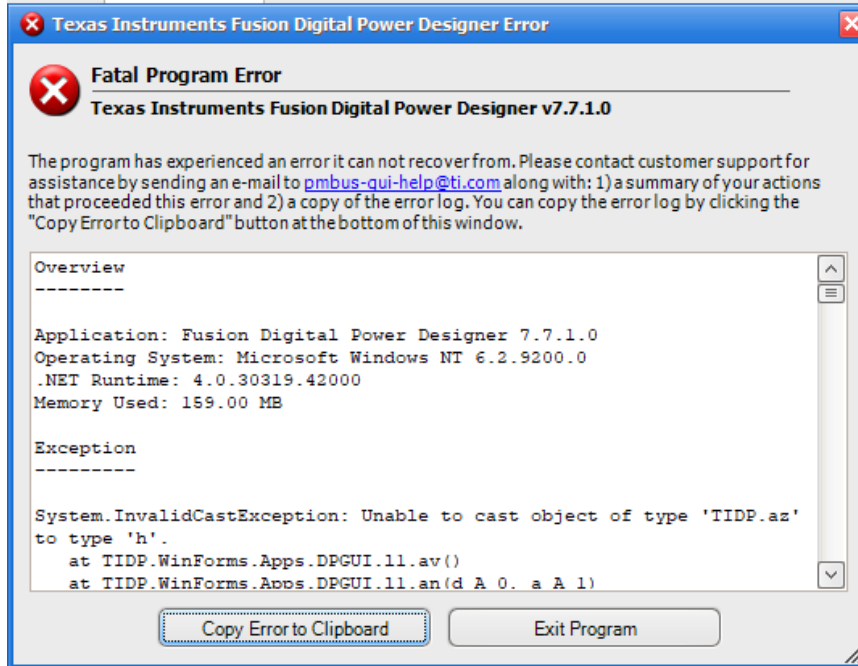
Click Next



Click Next again



GUI Immediately crashes after clicking next:



The error trace is below:

Overview

Application: Fusion Digital Power Designer 7.7.1.0
Operating System: Microsoft Windows NT 6.2.9200.0
.NET Runtime: 4.0.30319.42000
Memory Used: 159.00 MB

Exception

```
System.InvalidCastException: Unable to cast object of type 'TIDP.az' to type 'h'.  
   at TIDP.WinForms.Apps.DPGUI.I1.av()  
   at TIDP.WinForms.Apps.DPGUI.I1.an(d A_0, a A_1)  
   at TIDP.WinForms.Apps.DPGUI.Wizard.g.axe()  
   at TIDP.WinForms.Apps.DPGUI.I1.a5(Object A_0, EventArgs A_1)  
   at System.Windows.Forms.Control.OnClick(EventArgs e)  
   at DevExpress.XtraEditors.BaseButton.OnClick(EventArgs e)
```

at DevExpress.XtraEditors.BaseButton.OnMouseUp(MouseEventArgs e)
at System.Windows.Forms.Control.WmMouseUp(Message& m, MouseButtons button, Int32 clicks)
at System.Windows.Forms.Control.WndProc(Message& m)
at DevExpress.Utils.Controls.ControlBase.WndProc(Message& m)
at System.Windows.Forms.Control.ControlNativeWindow.OnMessage(Message& m)
at System.Windows.Forms.Control.ControlNativeWindow.WndProc(Message& m)
at System.Windows.Forms.NativeWindow.Callback(IntPtr hWnd, Int32 msg, IntPtr wparam, IntPtr lparam)

Loaded Assemblies

Com.Muegel.Misc

Version: 2.0.88.18709

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/Com.Muegel.Misc.DLL

Public Key Token:

Com.Muegel.WindowsApp.Win32API

Version: 7.0.0.18709

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/Com.Muegel.WindowsApp.Win32API.DLL

Public Key Token:

CrowdStrike.Sensor.ScriptControl

Version: 6.31.14505.0

Info Version:

<empty>

Location: file:///C:/WINDOWS/SysNative/CrowdStrike.Sensor.ScriptControl14505.dll

Public Key Token:

DevExpress.Data.v6.2

Version: 6.2.10.0

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/DevExpress.Data.v6.2.DLL

Public Key Token: 79868B8147B5EAE4

DevExpress.Utils.v6.2

Version: 6.2.10.0

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/DevExpress.Utils.v6.2.DLL

Public Key Token: 79868B8147B5EAE4

DevExpress.XtraBars.v6.2

Version: 6.2.10.0

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/DevExpress.XtraBars.v6.2.DLL

Public Key Token: 79868B8147B5EAE4

DevExpress.XtraEditors.v6.2

Version: 6.2.10.0

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/DevExpress.XtraEditors.v6.2.DLL

Public Key Token: 79868B8147B5EAE4

DevExpress.XtraGrid.v6.2

Version: 6.2.10.0

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/DevExpress.XtraGrid.v6.2.DLL

Public Key Token: 79868B8147B5EAE4

DevExpress.XtraNavBar.v6.2

Version: 6.2.10.0

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/DevExpress.XtraNavBar.v6.2.DLL

Public Key Token: 79868B8147B5EAE4

DevExpress.XtraPrinting.v6.2

Version: 6.2.10.0

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/DevExpress.XtraPrinting.v6.2.DLL

Public Key Token: 79868B8147B5EAE4

DundasWinChart

Version: 7.1.0.1810

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/DundasWinChart.DLL

Public Key Token: A4C03DCE5DB22406

Free.CommandLine

Version: 2.0.88.18709

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/Free.CommandLine.DLL

Public Key Token:

Free.Hid

Version: 2.0.88.18709

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/Free.Hid.DLL

Public Key Token:

Free.Misc

Version: 2.0.88.18709

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/Free.Misc.DLL

Public Key Token:

Free.WinForms.Misc

Version: 2.0.88.18709

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/Free.WinForms.Misc.DLL

Public Key Token:

Fusion Digital Power Designer

Version: 7.7.1.0

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/Fusion Digital Power Designer.exe

Public Key Token:

Microsoft.GeneratedCode

Version: 1.0.0.0

Info Version:

<empty>

Location:

file:///C:/WINDOWS/Microsoft.Net/assembly/GAC_MSIL/System.Xml/v4.0_4.0.0.0__b77a5c561934e089/System.Xml.dll

Public Key Token:

Microsoft.mshtml

Version: 7.0.3300.0

Info Version:

<empty>

Location:

file:///C:/WINDOWS/assembly/GAC/Microsoft.mshtml/7.0.3300.0__b03f5f7f11d50a3a/Microsoft.mshtml.dll

Public Key Token: B03F5F7F11D50A3A

Microsoft.VisualBasic

Version: 10.0.0.0

Info Version:

<empty>

Location:

file:///C:/WINDOWS/Microsoft.Net/assembly/GAC_MSIL/Microsoft.VisualBasic/v4.0_10.0.0.0__b03f5f7f11d50a3a/Microsoft.VisualBasic.dll

Public Key Token: B03F5F7F11D50A3A

mscorlib

Version: 4.0.0.0

Info Version:

4.8.4420.0

Location: file:///C:/Windows/Microsoft.NET/Framework/v4.0.30319/mscorlib.dll

Public Key Token: B77A5C561934E089

System

Version: 4.0.0.0

Info Version:

4.8.4360.0

Location:

file:///C:/WINDOWS/Microsoft.Net/assembly/GAC_MSIL/System/v4.0_4.0.0.0__b77a5c561934e089/System.dll

Public Key Token: B77A5C561934E089

System.Configuration

Version: 4.0.0.0

Info Version:

4.8.4190.0

Location:

file:///C:/WINDOWS/Microsoft.Net/assembly/GAC_MSIL/System.Configuration/v4.0_4.0.0.0__b03f5f7f11d50a3a/System.Configuration.dll

Public Key Token: B03F5F7F11D50A3A

System.Core

Version: 4.0.0.0

Info Version:

4.8.4390.0

Location:

file:///C:/WINDOWS/Microsoft.Net/assembly/GAC_MSIL/System.Core/v4.0_4.0.0.0__b77a5c561934e089/System.Core.dll

Public Key Token: B77A5C561934E089

System.Data

Version: 4.0.0.0

Info Version:

4.8.4270.0

Location:

file:///C:/WINDOWS/Microsoft.Net/assembly/GAC_32/System.Data/v4.0_4.0.0.0__b77a5c561934e089/System.Data.dll

Public Key Token: B77A5C561934E089

System.Data.DataSetExtensions

Version: 4.0.0.0

Info Version:

4.8.4084.0

Location:

file:///C:/WINDOWS/Microsoft.Net/assembly/GAC_MSIL/System.Data.DataSetExtensions/v4.0_4.0.0.0__b77a5c561934e089/System.Data.DataSetExtensions.dll

Public Key Token: B77A5C561934E089

System.Drawing

Version: 4.0.0.0

Info Version:

4.8.4390.0

Location:

file:///C:/WINDOWS/Microsoft.Net/assembly/GAC_MSIL/System.Drawing/v4.0_4.0.0.0__b03f5f7f11d50a3a/System.Drawing.dll

Public Key Token: B03F5F7F11D50A3A

System.Numerics

Version: 4.0.0.0

Info Version:

4.8.4084.0

Location:

file:///C:/WINDOWS/Microsoft.Net/assembly/GAC_MSIL/System.Numerics/v4.0_4.0.0.0__b77a5c561934e089/System.Numerics.dll

Public Key Token: B77A5C561934E089

System.Web

Version: 4.0.0.0

Info Version:

4.8.4330.0

Location:

file:///C:/WINDOWS/Microsoft.Net/assembly/GAC_32/System.Web/v4.0_4.0.0.0__b03f5f7f11d50a3a/System.Web.dll

Public Key Token: B03F5F7F11D50A3A

System.Windows.Forms

Version: 4.0.0.0

Info Version:

4.8.4400.0

Location:

file:///C:/WINDOWS/Microsoft.Net/assembly/GAC_MSIL/System.Windows.Forms/v4.0_4.0.0.0__b77a5c561934e089/System.Windows.Forms.dll

Public Key Token: B77A5C561934E089

System.Xml

Version: 4.0.0.0

Info Version:

4.8.4084.0

Location:

file:///C:/WINDOWS/Microsoft.Net/assembly/GAC_MSIL/System.Xml/v4.0_4.0.0.0__b77a5c561934e089/System.Xml.dll

Public Key Token: B77A5C561934E089

TIDP.DevEx.Skin1

Version: 1.0.0.0

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/TIDP.DevEx.Skin1.DLL

Public Key Token: 95FC6C5621878F0A

TIDP.I2C.DeviceGUI

Version: 1.0.0.0

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/TIDP.I2C.DeviceGUI.DLL

Public Key Token:

TIDP.Misc

Version: 7.0.0.18429

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/TIDP.Misc.DLL

Public Key Token:

TIDP.Net.ProxyPrefs

Version: 1.4.0.0

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/TIDP.Net.ProxyPrefs.DLL

Public Key Token:

TIDP.PMBus

Version: 7.0.0.18441

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/TIDP.PMBus.DLL

Public Key Token:

TIDP.PMBus.Design.TimeModel

Version: 2.0.88.18431

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/TIDP.PMBus.Design.TimeModel.DLL

Public Key Token:

TIDP.PMBus.DeviceGUI.UCD3000

Version: 7.0.0.18455

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/TIDP.PMBus.DeviceGUI.UCD3000.DLL

Public Key Token:

TIDP.PMBus.ParameterControls

Version: 7.0.0.18450

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/TIDP.PMBus.ParameterControls.DLL

Public Key Token:

TIDP.PMBus.WinForms

Version: 7.0.0.18453

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/TIDP.PMBus.WinForms.DLL

Public Key Token:

TIDP.SAA

Version: 2.0.88.18432

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/TIDP.SAA.DLL

Public Key Token:

TIDP.SAA.WinForms.Misc

Version: 2.0.88.18434

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/TIDP.SAA.WinForms.Misc.DLL

Public Key Token:

TIDP.WinForms.Apps.DPGUI

Version: 7.0.0.18460

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/TIDP.WinForms.Apps.DPGUI.DLL

Public Key Token:

TIDP.WinForms.Apps.DPGUI.DPGUI1

Version: 7.0.0.18465

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/TIDP.WinForms.Apps.DPGUI.DPGUI1.DLL

Public Key Token:

TIDP.WinForms.Apps.DPGUI.HelpCenter

Version: 7.0.0.18434

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/TIDP.WinForms.Apps.DPGUI.HelpCenter.DLL

Public Key Token:

TIDP.WinForms.Dundas

Version: 2.0.88.18432

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/TIDP.WinForms.Dundas.DLL

Public Key Token:

TIDP.WinForms.Misc

Version: 2.0.88.18434

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/TIDP.WinForms.Misc.DLL

Public Key Token:

TIDP.WinForms.Util

Version: 2.0.88.18431

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/TIDP.WinForms.Util.DLL

Public Key Token:

XtraDataTempAssembly

Version: 0.0.0.0

Info Version:

<empty>

Location: file:///C:/Program Files (x86)/Texas Instruments/Fusion Digital Power Designer/bin/DevExpress.Data.v6.2.dll

Public Key Token: