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VXI-USB

QUICK REFERENCE GUIDE

Measurement Studio™ .NET Class Hierarchy Chart

Measurement Studio is an integrated suite of measurement and automation tools and class libraries for Microsoft Visual Studio .NET 2003, Microsoft Visual Studio 2005, and Microsoft Visual Studio 2008. Measurement Studio dramatically reduces application development time with wizards, simplified data networking, and .NET user interface controls. Code designers interactively define reusable acquisition tasks and automatically generate code. Advanced analysis libraries and rich object-oriented hardware APIs—for performing tasks such as data acquisition and instrument control—enable the development of sophisticated measurement applications. The highly extensible .NET class libraries in Measurement Studio deliver unparalleled flexibility to scientists and engineers.

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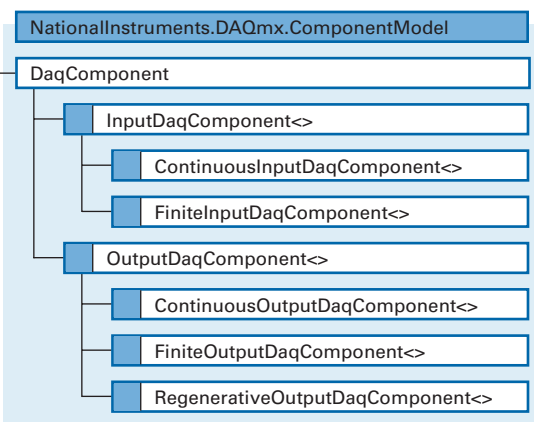
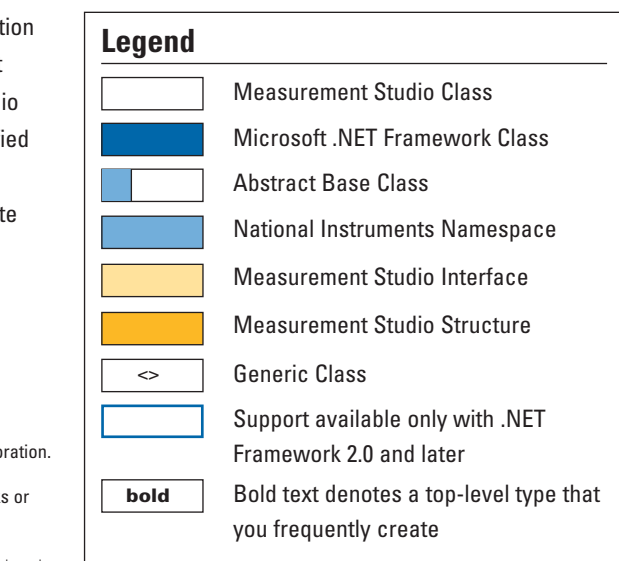
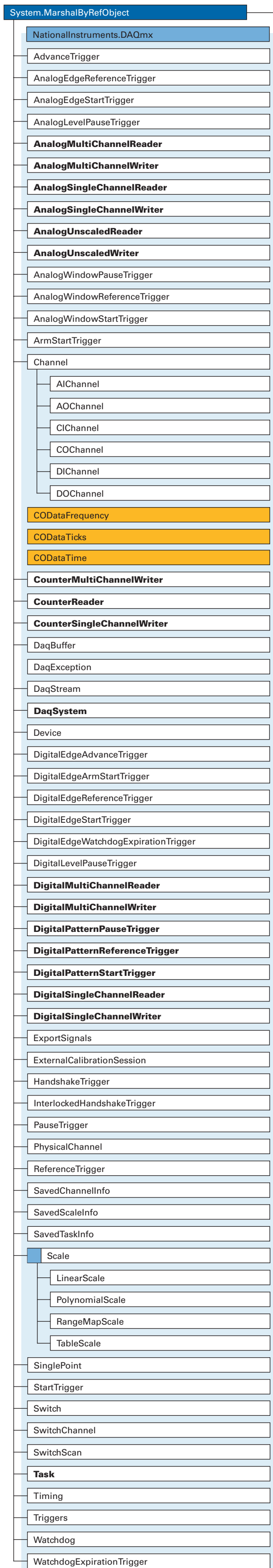


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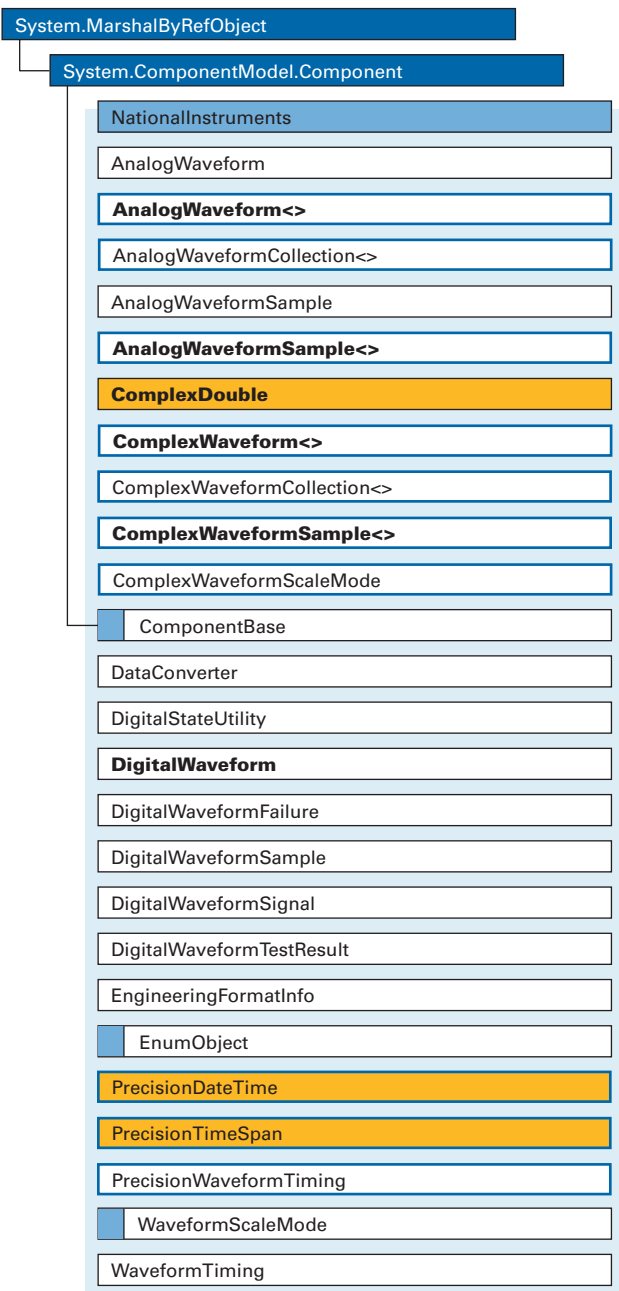
NI-DAQmx

DAQmx includes a set of classes that provides a .NET interface to NI-DAQmx. You can use this class library to communicate with and control an NI data acquisition (DAQ) device.



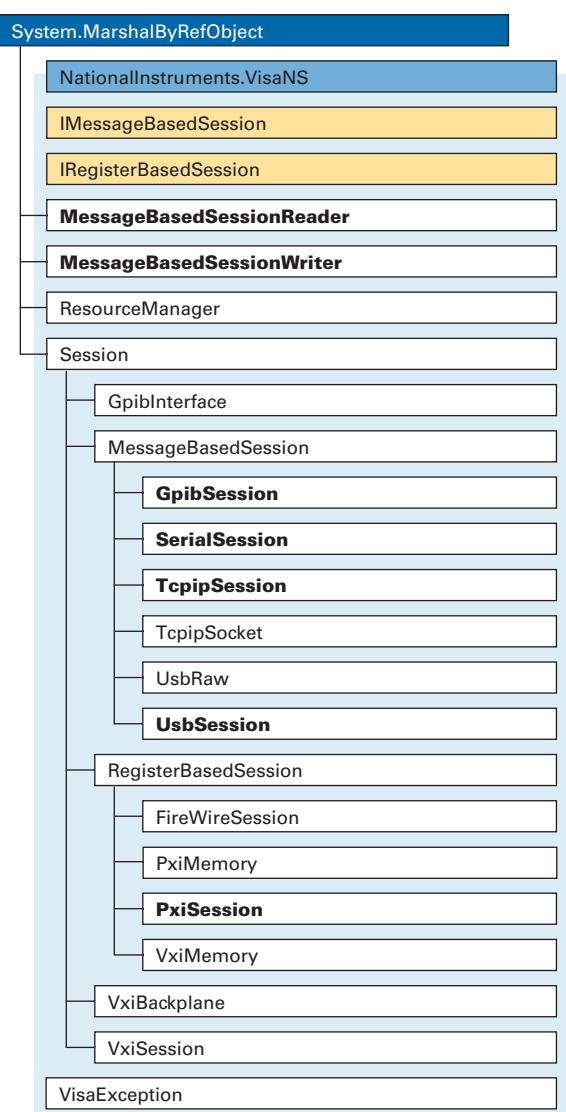
Common

Common includes a set of classes that facilitates the exchange of data between the acquisition, analysis, and user interface portions of your application.



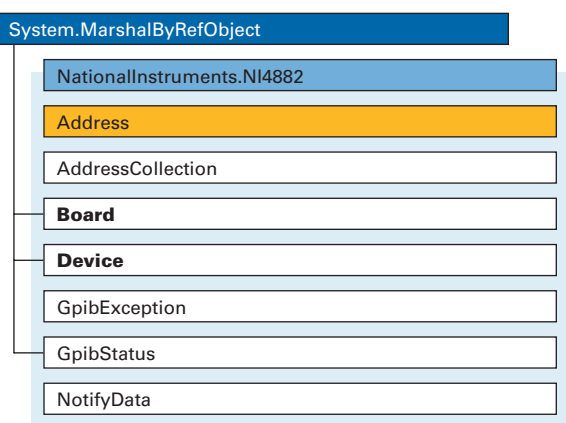
NI-VISA

VisaNS includes a set of classes that provides an interface to NI-VISA. With this class library, you can access the functionality available in NI-VISA for communicating with message-based and register-based instruments using GPIB, PXI, serial, TCP/IP, VXI, USB, or other protocols supported by NI-VISA.



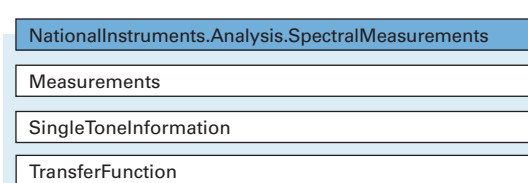
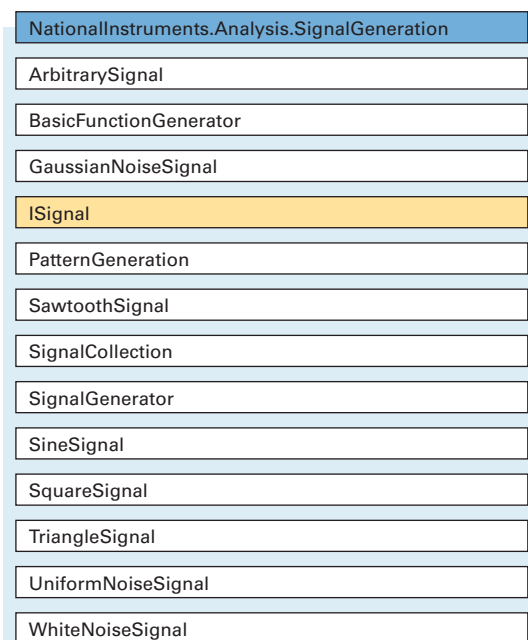
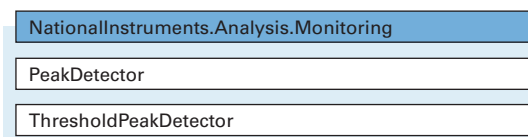
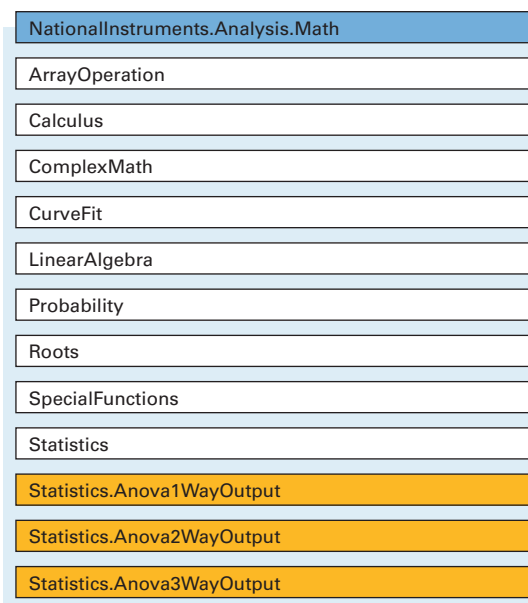
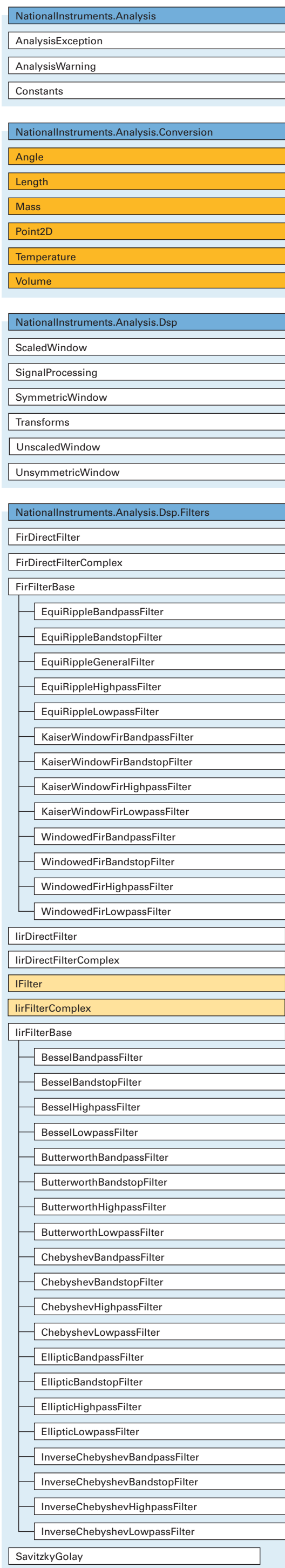
NI-488.2

NI-488.2 includes a set of classes that communicates with GPIB instruments, controls GPIB devices, and acquires GPIB status information.



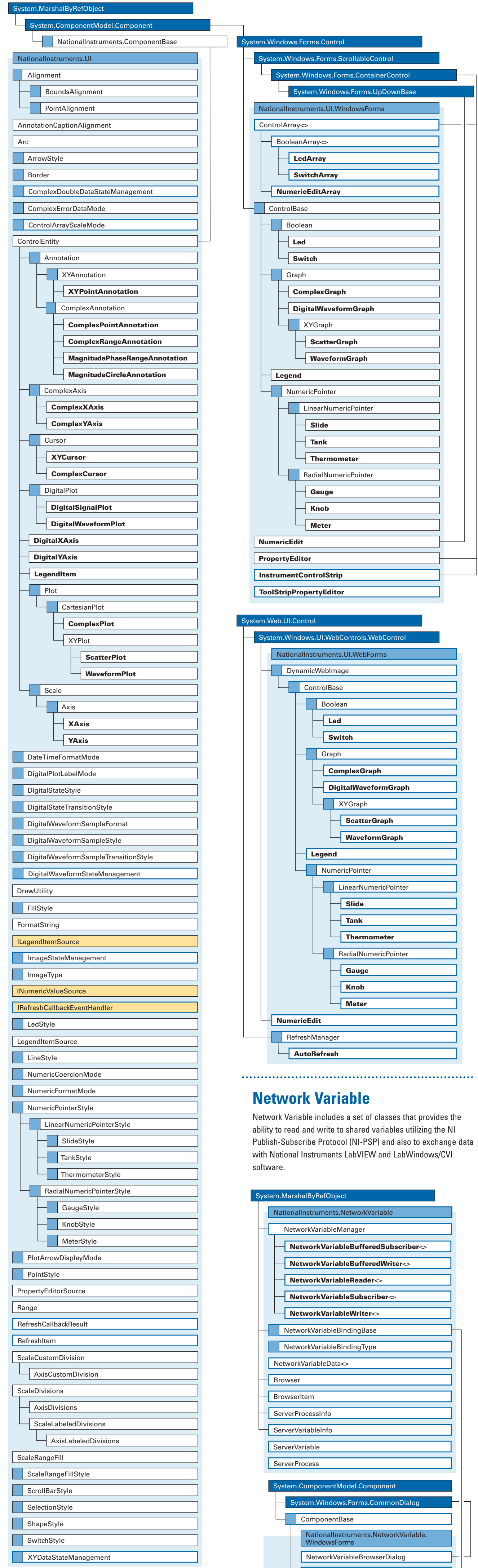
Analysis

Analysis includes a set of classes that provides digital signal processing, signal filtering, signal generation, peak detection, and other general mathematical functionality.



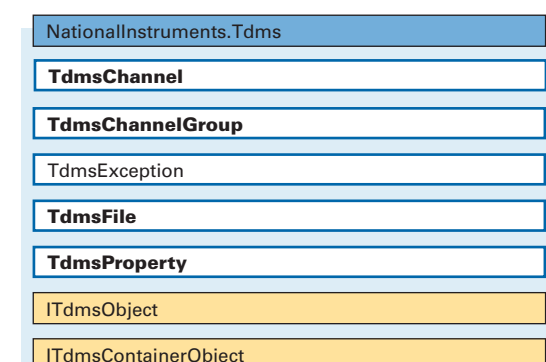
User Interface

User Interface includes a set of classes that encapsulates the Windows Forms and ASP.NET Web Forms user interface controls, such as the graph, switch, LED, numeric edit, tank, and knob controls.



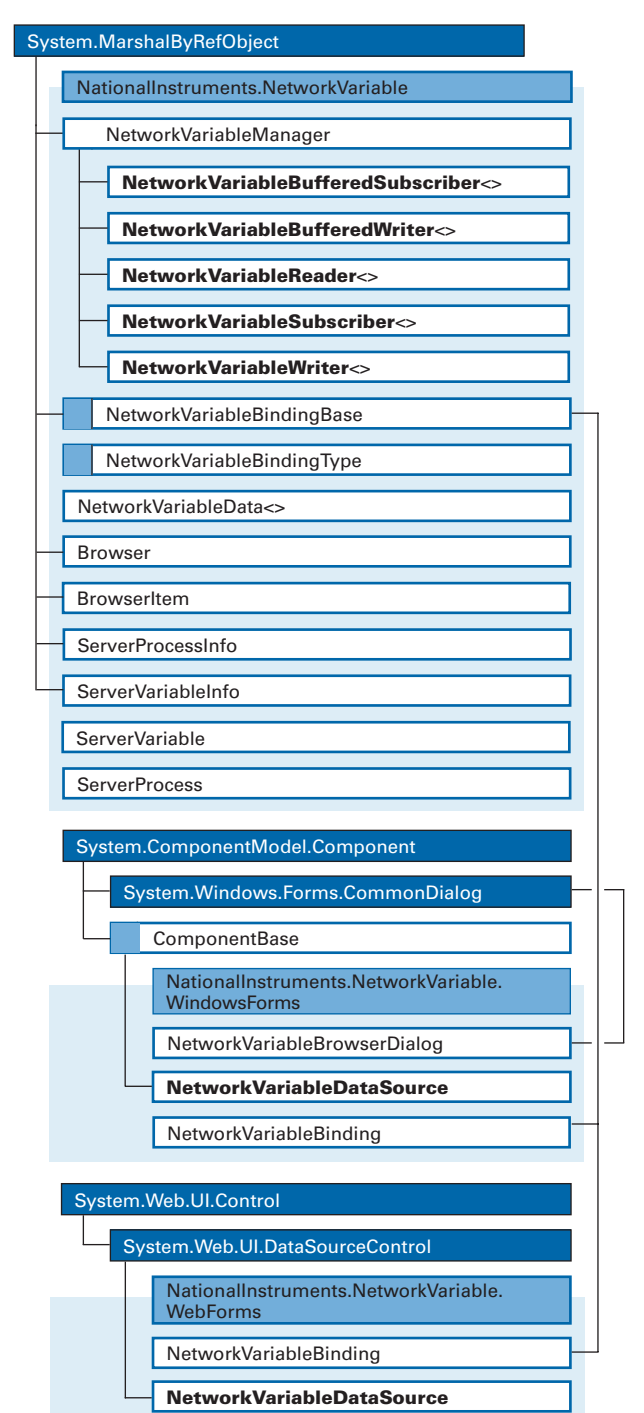
TDMS

Technical Data Management Streaming (TDMS) includes a set of classes to describe, store, and read measurement data that is optimized for high-speed data streaming and post processing. You can use these files to exchange data with National Instruments LabVIEW, LabWindows™/CVI™, DIAdem, and third-party industry tools.



Network Variable

Network Variable includes a set of classes that provides the ability to read and write to shared variables utilizing the NI Publish-Subscribe Protocol (NI-PSP) and also to exchange data with National Instruments LabVIEW and LabWindows/CVI software.



MAX – Portable Configuration

MAX includes a set of methods that copies saved configuration data to or from a system. You can use this class to package configuration data for deployment on other systems or to back up and restore your system configuration.

