

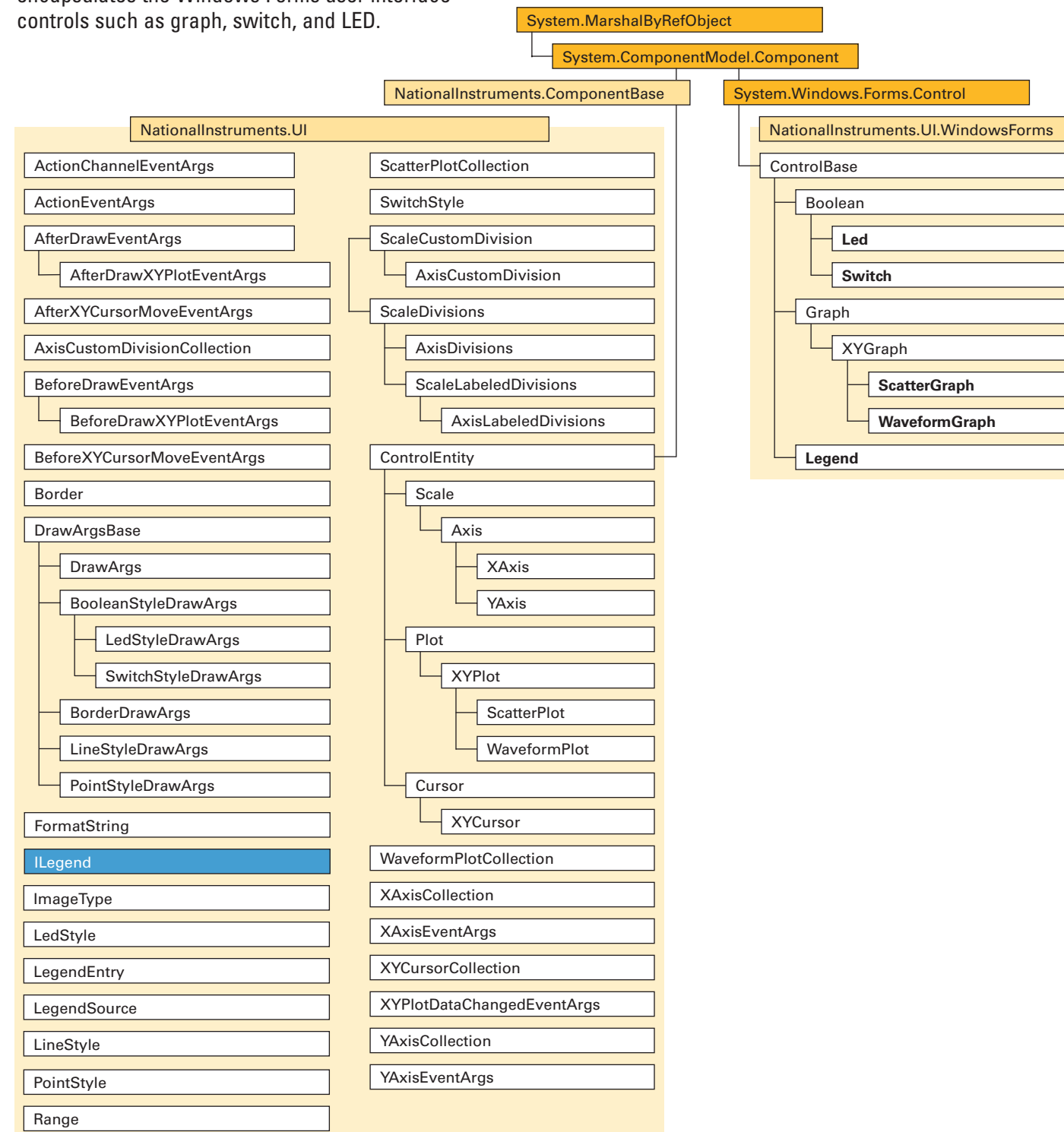
QUICK REFERENCE GUIDE

Measurement Studio™ .NET Class Hierarchy Chart

National Instruments Measurement Studio is an integrated suite of native measurement and automation tools and class libraries for Microsoft Visual Studio .NET. 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.

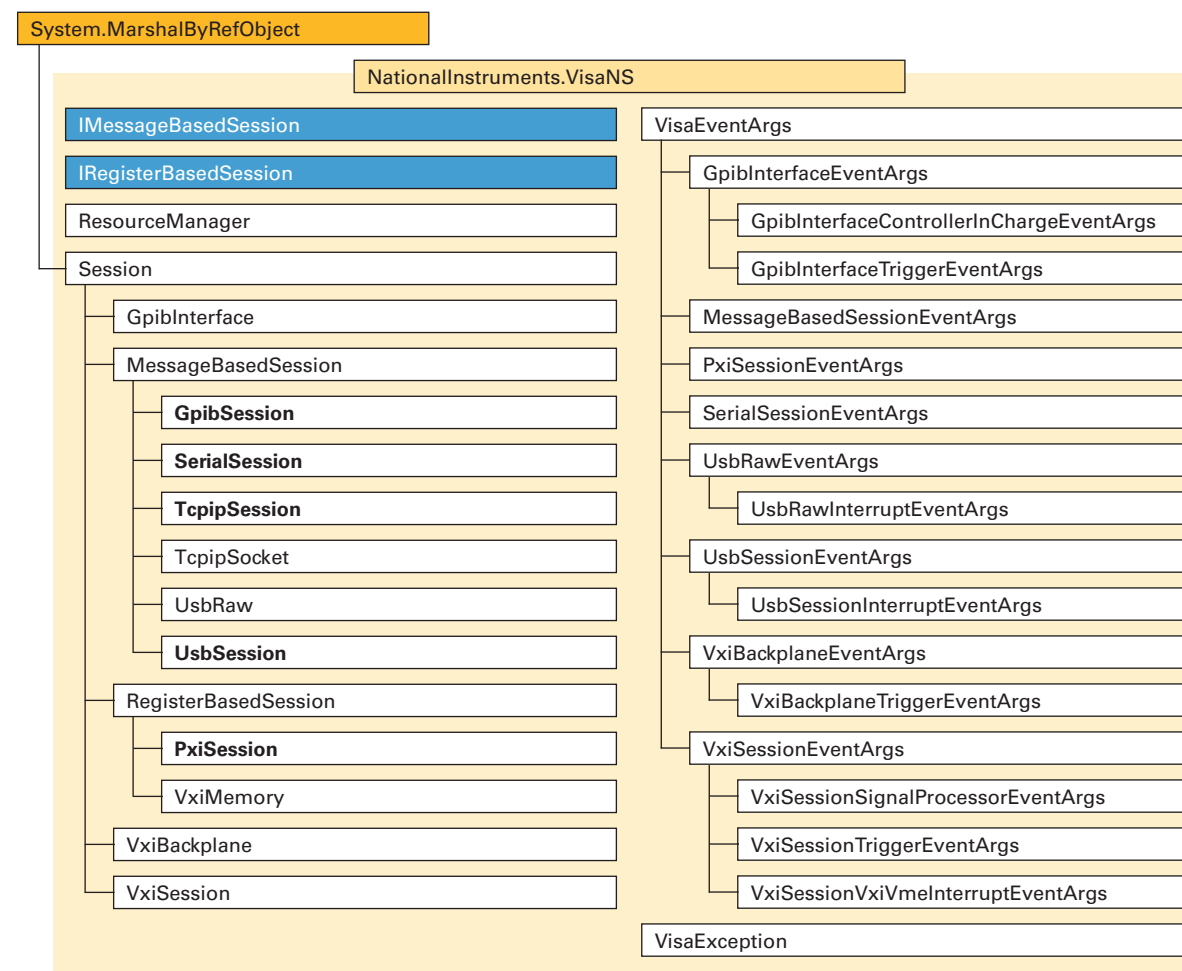
User Interface

User Interface includes a set of classes that encapsulates the Windows Forms user interface controls such as graph, switch, and LED.



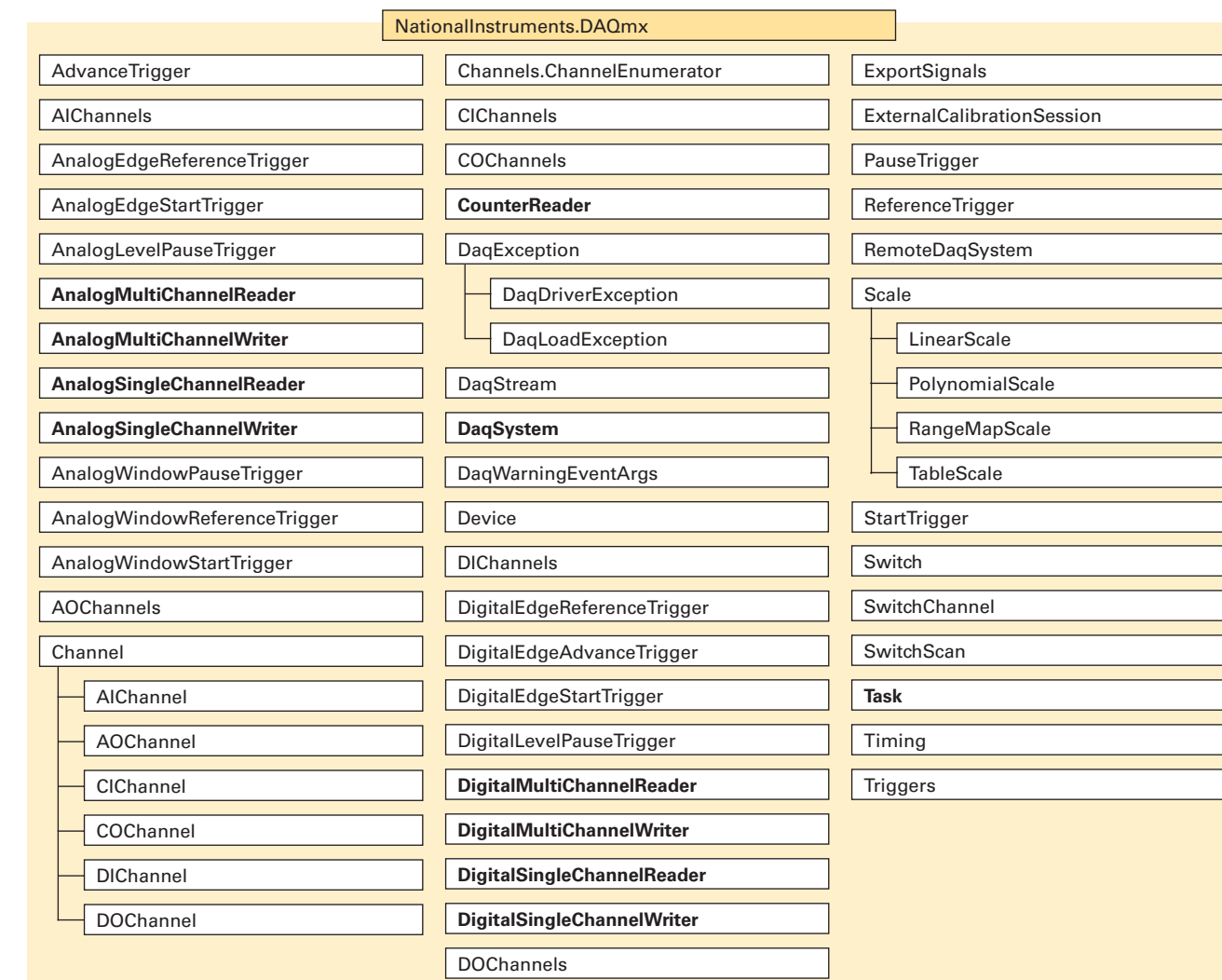
NI-VISA

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, and USB, or other protocols supported by NI-VISA.



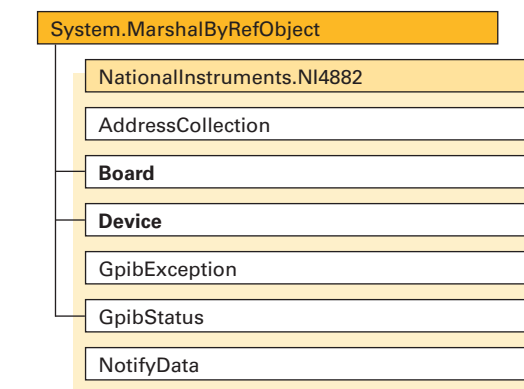
NI-DAQmx

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.



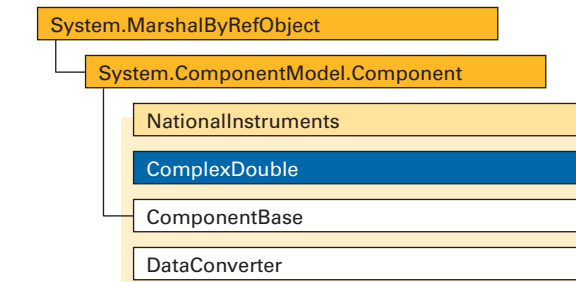
NI-488.2

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



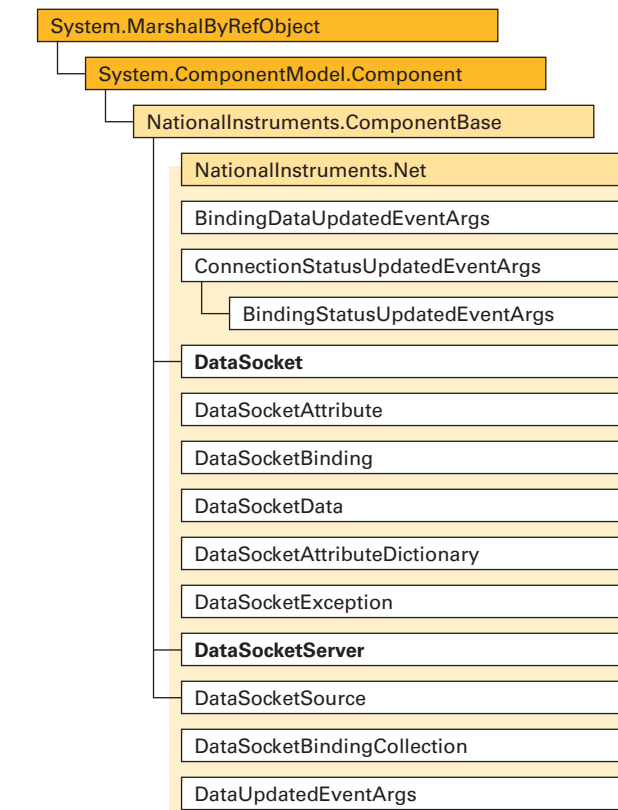
Common

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



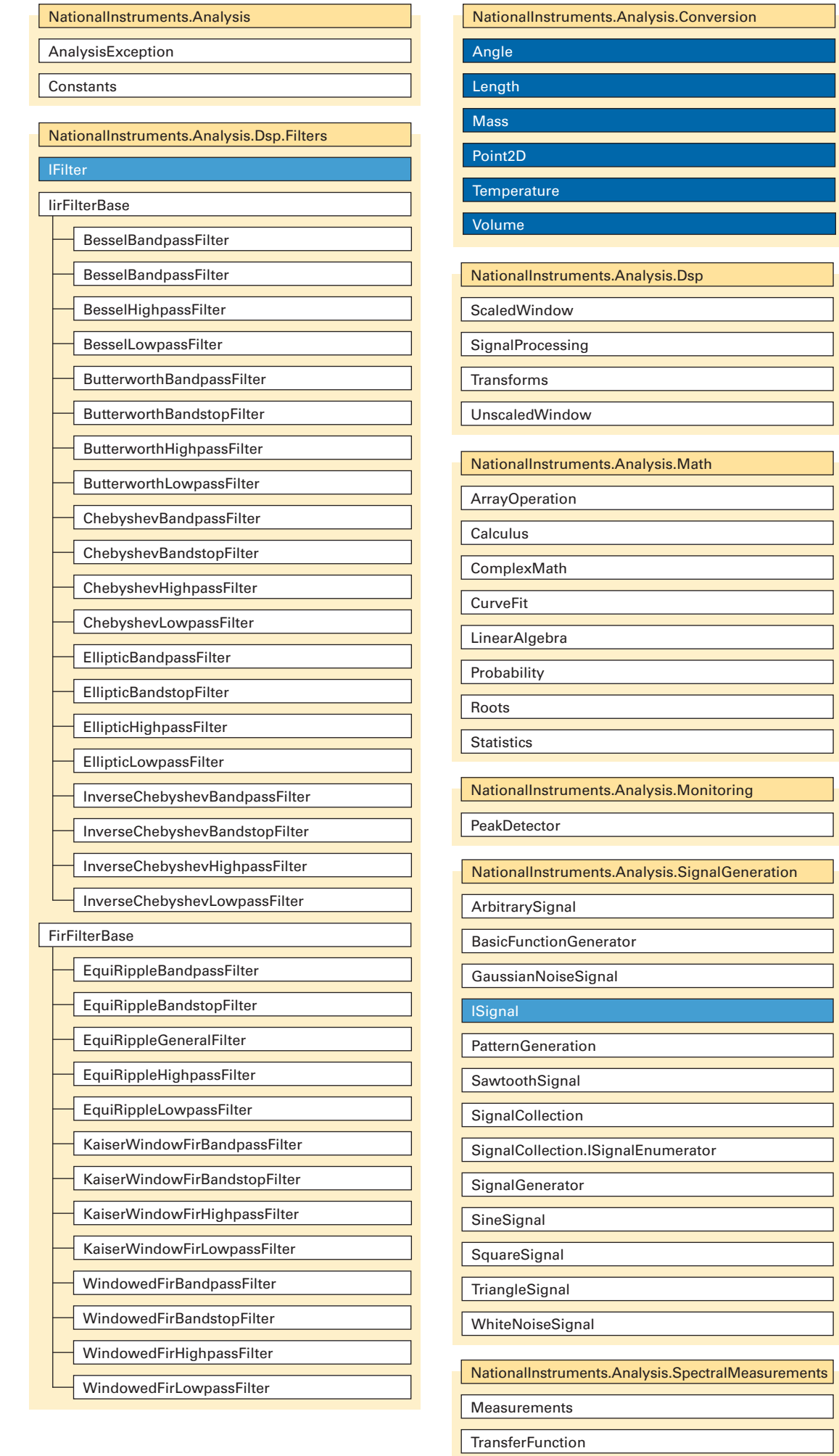
DataSocket

DataSocket includes a set of classes that provides an interface to National Instruments DataSocket, which you can use to publish and subscribe to live measurement data over the Internet.



Analysis

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



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