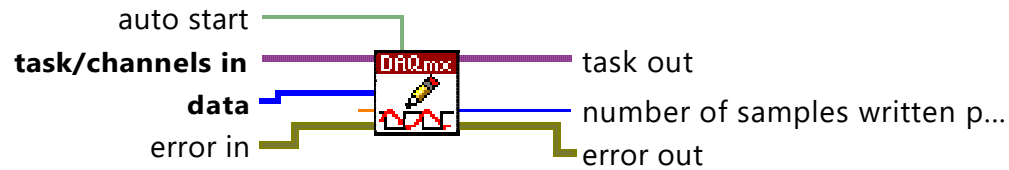DAQmx Write (Digital 1D U32 NChan 1Samp).vi
C:\Program Files (x86)\National Instruments\LabVIEW 2020\vi.lib\DAQmx\write.llb\DAQmx Write (Digital 1D U32 NChan 1Samp).vi
Last modified on 4/1/2020 at 1:26 AM
Printed on 10/25/2022 at 12:29 AM

Connector Pane

DAQmx Write (Digital 1D U32 NChan 1Samp).vi

auto start
task/channels in   task out
data
                                                                        number of samples written p...
error in
                                                                        error out

Writes a single 32-bit unsigned integer sample to a task that contains one or more digital output channels. Use an instance that writes 32-bit unsigned integers for devices with up to 32 lines per port.

DAQmx Write (Digital 1D U32 NChan 1Samp).vi
C:\Program Files (x86)\National Instruments\LabVIEW 2020\vi.lib\DAQmx\write.llb\DAQmx Write (Digital 1D U32 NChan 1Samp).vi
Last modified on 4/1/2020 at 1:26 AM
Printed on 10/25/2022 at 12:29 AM

Front Panel

task/channels in

task out

data

channel   0   0

number of samples written per channel

0

auto start

timeout

10.00

error in

status   code

0

source

error out

status   code

0

source

DAQmx Write (Digital 1D U32 NChan 1Samp).vi
C:\Program Files (x86)\National Instruments\LabVIEW 2020\vi.lib\DAQmx\write.llb\DAQmx Write (Digital 1D U32 NChan 1Samp).vi
Last modified on 4/1/2020 at 1:26 AM
Printed on 10/25/2022 at 12:29 AM

Controls and Indicators

task/channels in

<B>task/channels in</B> is the name of the task or a list of virtual channels to which the operation applies. If you provide a list of virtual channels, NI-DAQmx creates a task automatically.

error in

<B>error in</B> describes error conditions that occur before this VI or function runs.

status

<B>status</B> is TRUE (X) if an error occurred before this VI or function ran or FALSE (checkmark) to indicate a warning or that no error occurred before this VI or function ran. The default is FALSE.

code

<B>code</B> is the error or warning code. The default is 0. If <B>status</B> is TRUE, <B>code</B> is a negative error code. If <B>status</B> is FALSE, <B>code</B> is 0 or a warning code.

source

<B>source</B> identifies where an error occurred. The source string includes the name of the VI that produced the error, what inputs are in error, and how to eliminate the error.

data

<B>data</B> contains a 1D array of 32-bit unsigned integer samples to write to the task. Each element in the array corresponds to a channel in the task.

Waveform

auto start

<B>auto start</B> specifies if this VI automatically starts the task if you did not explicitly start it with the DAQmx Start Task VI.

timeout

<B>timeout</B> specifies the amount of time in seconds to wait for the VI to write all samples. NI-DAQmx performs a timeout check only if the VI must wait before it writes data. This VI returns an error if the time elapses. The default timeout is 10 seconds. If you set <B>timeout</B> to -1, the VI waits indefinitely.

error out

<B>error out</B> contains error information. If <B>error in</B> indicates that an error occurred before this VI or function ran, <B>error out</B> contains the same error information. Otherwise, <B>error out</B> describes the error status that this VI or function produces.

status

<B>status</B> is TRUE (X) if an error occurred or FALSE (checkmark) to indicate a warning or that no error occurred.

DAQmx Write (Digital 1D U32 NChan 1Samp).vi
C:\Program Files (x86)\National Instruments\LabVIEW 2020\vi.lib\DAQmx\write.llb\DAQmx Write (Digital 1D U32 NChan 1Samp).vi
Last modified on 4/1/2020 at 1:26 AM
Printed on 10/25/2022 at 12:29 AM

I32 **code**
   <B>code</B> is the error or warning code. If <B>status</B> is TRUE, <B>code</B> is a nonzero error code. If <B>status</B> is
   FALSE, <B>code</B> is 0 or a warning code.

abc **source**
   <B>source</B> identifies where and why an error occurred. The source string includes the name of the VI that produced the error,
   what inputs are in error, and how to eliminate the error.

I/O **task out**
   <B>task out</B> is a reference to the task after this VI or function runs. If you wired a channel or list of channels to <B>task/channels in</B>, NI-DAQmx creates this task automatically.

U32 **number of samples written per channel**
   <B>number of samples written per channel</B> is the actual number of samples this VI successfully wrote to each channel in the task.
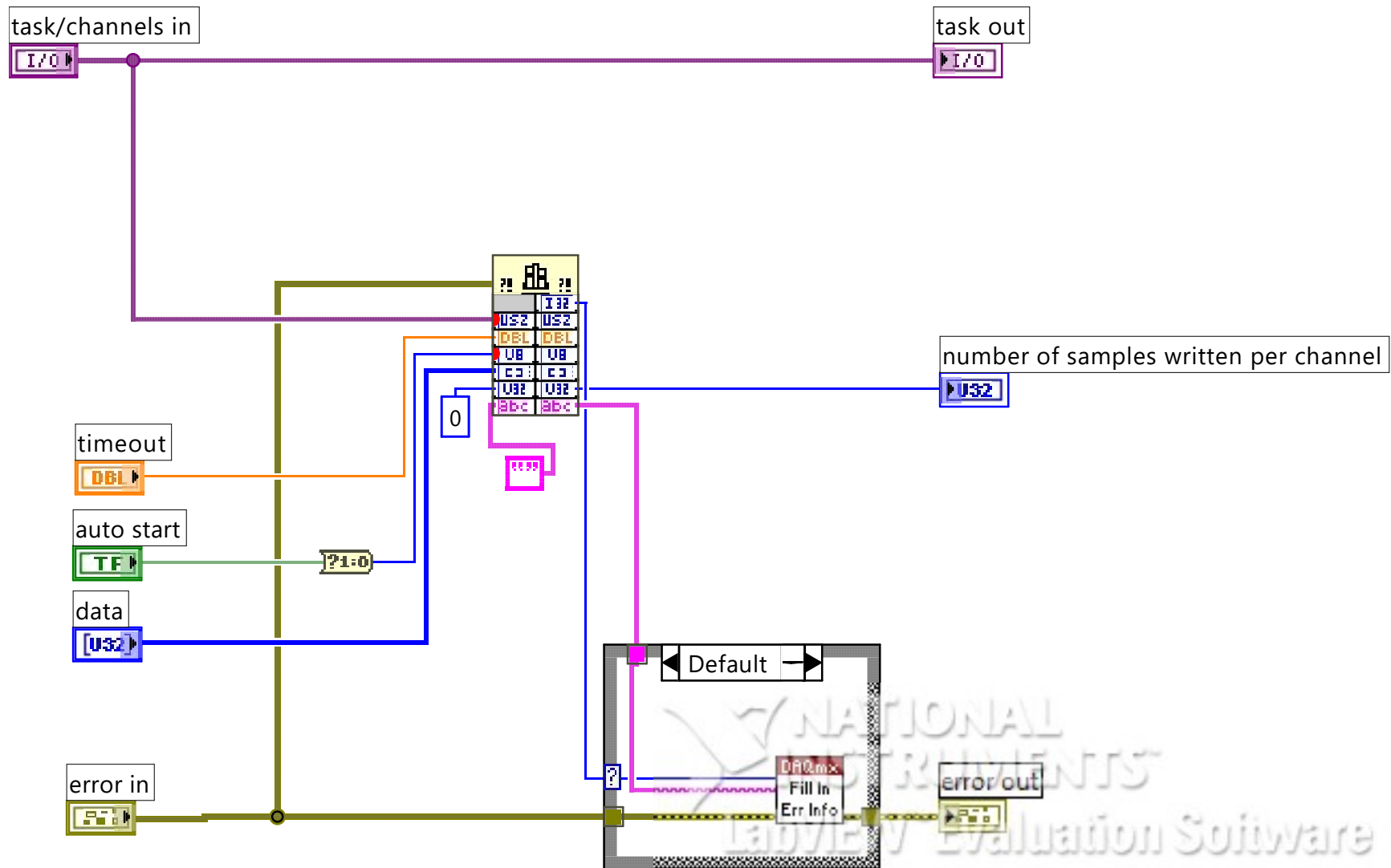
DAQmx Write (Digital 1D U32 NChan 1Samp).vi
C:\Program Files (x86)\National Instruments\LabVIEW 2020\vi.lib\DAQmx\write.llb\DAQmx Write (Digital 1D U32 NChan 1Samp).vi
Last modified on 4/1/2020 at 1:26 AM
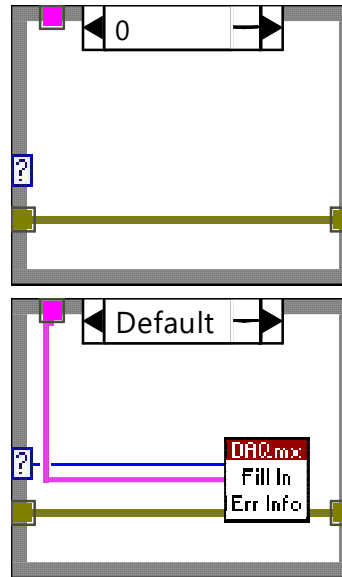Printed on 10/25/2022 at 12:29 AM

Block Diagram

DAQmx Write (Digital 1D U32 NChan 1Samp).vi

C:\Program Files (x86)\National Instruments\LabVIEW 2020\vi.lib\DAQmx\write.llb\DAQmx Write (Digital 1D U32 NChan 1Samp).vi

Last modified on 4/1/2020 at 1:26 AM

Printed on 10/25/2022 at 12:29 AM
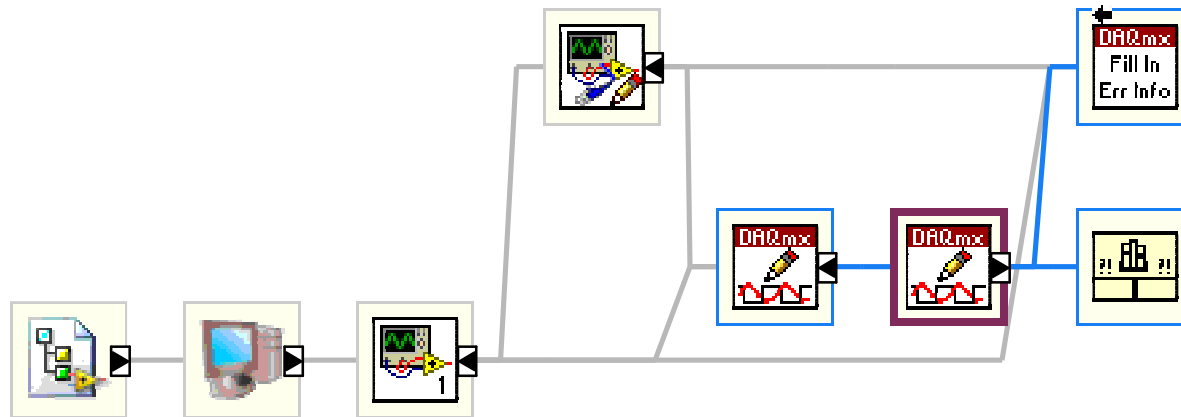
DAQmx Write (Digital 1D U32 NChan 1Samp).vi
C:\Program Files (x86)\National Instruments\LabVIEW 2020\vi.lib\DAQmx\write.llb\DAQmx Write (Digital 1D U32 NChan 1Samp).vi
Last modified on 4/1/2020 at 1:26 AM
Printed on 10/25/2022 at 12:29 AM

Position in Hierarchy

DAQmx Write (Digital 1D U32 NChan 1Samp).vi
C:\Program Files (x86)\National Instruments\LabVIEW 2020\vi.lib\DAQmx\write.llb\DAQmx Write (Digital 1D U32 NChan 1Samp).vi
Last modified on 4/1/2020 at 1:26 AM
Printed on 10/25/2022 at 12:29 AM

List of SubVIs and Express VIs with Configuration Information

DAQmx Fill In Error Info.vi

C:\Program Files (x86)\National Instruments\LabVIEW 2020\vi.lib\DAQmx\miscellaneous.llb\DAQmx Fill In Error Info.vi

DAQmx Write (Digital 1D U32 NChan 1Samp).vi
C:\Program Files (x86)\National Instruments\LabVIEW 2020\vi.lib\DAQmx\write.llb\DAQmx Write (Digital 1D U32 NChan 1Samp).vi
Last modified on 4/1/2020 at 1:26 AM
Printed on 10/25/2022 at 12:29 AM

VI Revision History

"DAQmx Write (Digital 1D U32 NChan 1Samp).vi History"
Current Revision: 86

DAQmx Write (Digital 1D U32 NChan 1Samp).vi
C:\Program Files (x86)\National Instruments\LabVIEW 2020\vi.lib\DAQmx\write.llb\DAQmx Write (Digital 1D U32 NChan 1Samp).vi
Last modified on 4/1/2020 at 1:26 AM
Printed on 10/25/2022 at 12:29 AM

Iconified Cluster Constants