ATP Level Test Bench
4 Device Under Test (DUT) Capacity

USB to LabVIEW

LL

H-Bridge Controller

12Vdc @5A

Power Supply

H-Bridge Circuit

Fwd, Rev, Brake
DO 5Vdc @100ma x3

5Vdc
Gnd

How does this wire to the DUT?

Digital I/O Channels 0-6
D0 Event Markers in WinDaq
D1 Remote Start/Stop in WinDaq
D2 Can be used for Rate applications
D3 Can be used as a Counter channel
D6 Can be used as an External Sample Trigger

Drive
USB flash drive port for
stand-alone data logging

+5V Out
Max Current = 100mA

Ground

Remote Event push-button
Trigger events either from the remote
event inputs (through WinDaq soft-
ware) or by pushing this button.

250Ω @0.01%
¼ W x4 (x2)

+5Vdc
To four Ch A
To four Ch B
To Ground

**Bulkhead
Mounting Ears**

Drive

Model DI-2108
DATAQ INSTRUMENTS
www.dataq.com

0-20V Max
D0 Event D1 Record D2 Rate D3 Count D4 D5 D6 +5V GnD

Button

TB1
10 circuit

USB

Connecting Idle Recording Armed Rearmed Busy Error

USB
Drive

Status

CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8
±10V F.S.   ±100V Max

LED Indication
See Specifications for LED status

USB to
LabVIEW

Mini-B **USB**
connection

Analog In Channels 1-8
Voltage Range: ±10 Volts; Up to ±50V without damage

Analog input x8
16 bit +/-10Vdc +/-5mV