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Find the *Keysight / Agilent N2263A* at our website: *Click HERE*

32-Bit Digital Input/Output Module

Agilent N2263A

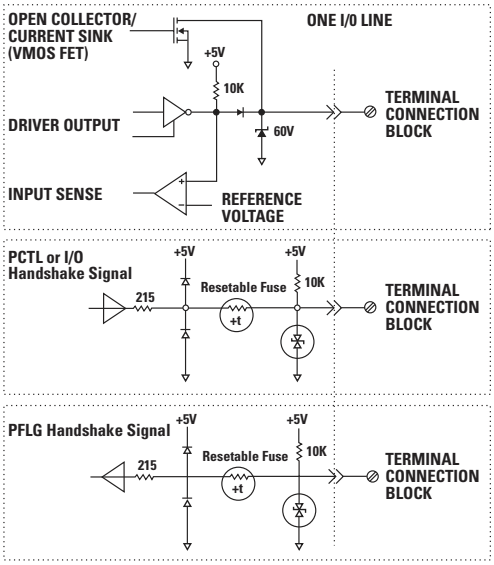
- TTL compatible, sinking up to 0.6 A
- Input /output configurable byte-by-byte
- Three I/O control modes: static, strobe, and handshake

The N2263A provides 32-bit bi-directional lines and three hand-shake and control lines. The 32-bit I/O lines are TTL compatible input/ output, or TTL compatible input and open collector output up to 42 V. The 32-bit I/O lines can be addressed individually (byte-by-byte), either as a 32-bit port, four independent 8-bit ports, or as two independent 16-bit ports. A Zener diode is used in each channel for input voltage over-protection (> 42 VDC), including ESD protection.

Each I/O line can sink up to 0.6 A to control external devices, including:

- High-voltage/high current relays
- Microwave relays and attenuators (8710xx , 876xx and 849xx)
- Solenoid coils

The polarities of the I/O and handshake lines can be operated in positive or negative logic mode. With the three control lines (PCTL, I/O, and PFLG), you can define five handshake modes for communication with peripherals. The screw terminal block and DIN96-to-Twin-D50 cable are available for simple wiring.



Specifications

General Specifications

I /O Lines

Maximum Voltage(line-chassis):

+42 VDC

Maximum Sink Current(per bit):

0.6 A

Output Characteristics:

V_{out} (high)	≥ 2.4 V @ I ≤ 10 mA output
V_{out} (low)	≤ 0.8 V @ I ≤ 600 mA input

Input Characteristics:

V_{in} (high)	≥ 2.0 V
V_{in} (low)	≤ 0.8 V

Handshake Lines

Maximum Voltage(line-chassis): +5 VDC

Output Characteristics:

V_{out} (high)	≥ 2.4 V @ I ≤ 400 µA output
V_{out} (low)	≤ 0.5 V @ I ≤ 1 mA input
I_{out} (low)	<25 mA (when shorted to + 5 V)

Input Characteristics:

V_{in} (high)	≥ 2.0 V
V_{in} (low)	≤ 0.8 V

Module Accessories

N2293A	Screw terminal block
N2297A	DIN96-to-Twin-D50 cable
N2299A	DIN96-to-Quad-D25 cable

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