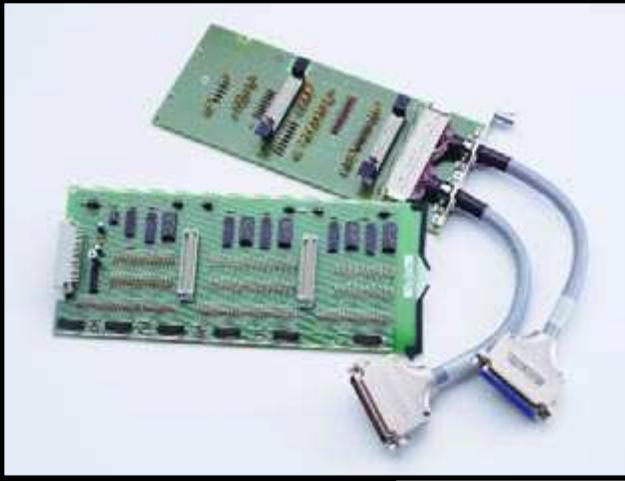


# 7020 7020-D

## Digital I/O Cards 40 Inputs, 40 Outputs



The Model 7020 and 7020-D Digital I/O Interface Cards provide high-density digital input/output capabilities in an easy-to-control form. The 7020 and 7020-D both have 40 independent inputs and 40 independent outputs, so they're well-suited for monitoring and controlling large automated test applications compactly and cost-effectively. The 7020 provides a 96-pin mass terminated connector. The 7020-D has two heavy duty 50-pin D-sub connectors at the ends of short cables. The D-sub connector version is designed for industrial/production applications where repeated connects/disconnects with external cables are required.

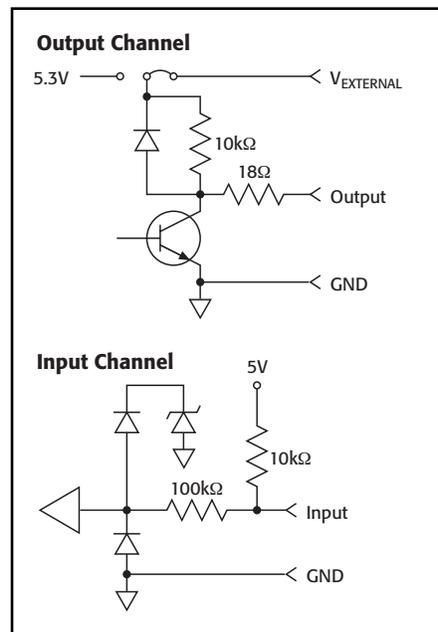
- 80-bit control – 40 in/40 out
- Input and output protection
- Use internal 5.3V power supply or external power supply

### Ordering Information

- 7020** Digital I/O Card with 96-pin Mass Terminated Connector Board
- 7020-D** Digital I/O Card with D-sub Connectors

### Accessories Supplied

With 7020: 7011-KIT-R 96-Pin Female Connector Kit



### CONNECTOR:

- 7020:** 96-pin male DIN connector.  
**7020-D:** Cables with 50-pin male and female D-sub connectors.

**7020-DT:** Mass terminated card with D-sub connectors.

**DIGITAL I/O CAPABILITY:** 40 independent inputs. 40 independent outputs.

### OUTPUT SPECIFICATIONS:

**CONFIGURATION:** 40 open-collector drivers with factory installed 10kΩ pull-up resistors. Pull-up resistors can be removed when driving external pull-up devices. Each driver has an internal flyback diode.

**PULL UP VOLTAGE:** 5.3V internally supplied, external connection provided for user supplied voltage 25V max. Removal of internal jumper allows use of two different pull-up voltages.

**MAXIMUM SINK CURRENT:** Per Channel: 65mA. Per Bank (8 bits): 500mA. Per Card: 1A.

**CURRENT LIMIT:** Positive Temperature Coefficient circuit protector in series with each output. Output protection resistance <18Ω.

**COLLECTOR-EMITTER SATURATION VOLTAGE:** <0.75V @ 1mA. <1V @ 65mA.

### INPUT SPECIFICATIONS:

**CONFIGURATION:** 40 inputs with internal 10kΩ pull-up resistors.

### CHARACTERISTICS:

- Input logic low voltage: 0.8 V max.
- Input logic high voltage: 2 V min.
- Input logic low current: -600 μA max. @ 0V
- Input logic high current: 50 μA max. @ 5V

**MAXIMUM VOLTAGE LEVEL:** 42V peak.

### ACCESSORIES AVAILABLE

#### FOR 7020

- 7011-KIT-R 96-Pin Female Connector Kit
- 7020-MTC-2 96-Pin Mass Terminated Cable, Female to Female, 2m
- 7011-MTR 96-Pin Male Connector Kit

#### FOR 7020-D

- 7020-DT Extra Connector Board

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