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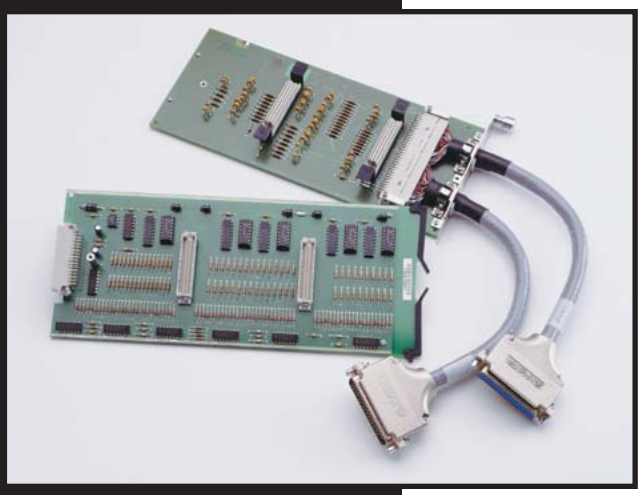
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Find the *Keithley 7020D* at our website: ***Click HERE***

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.

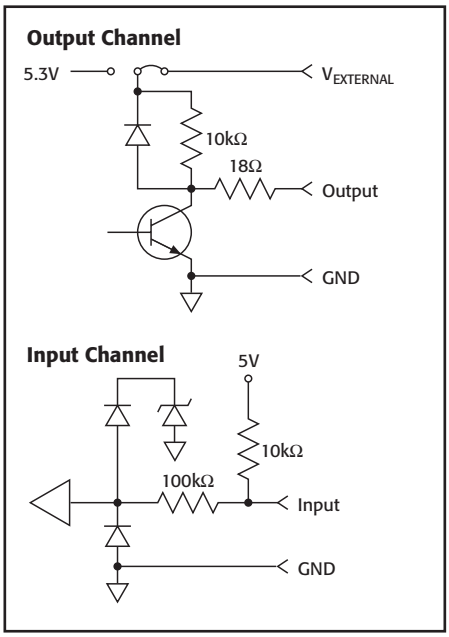
- **80-bit control – 40 in/40 out**
- **Input and output protection**
- **Use internal 5.3V power supply or external power supply**

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



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

SERVICES AVAILABLE

7020-3Y-EW	1-year factory warranty extended to 3 years from date of shipment
7020-D-3Y-EW	1-year factory warranty extended to 3 years from date of shipment

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.

Use with 7001 and 7002 switch mainframes

SWITCHING AND CONTROL

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We buy equipment

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