6B Series Resources

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6B Series Accessories

6B Series Overview | Available 6B Series Modules | 6B Series Backplanes | 5B and 6B Series Power Supplies
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To facilitate the design process for designers who are not embedding the 6B Ser into their own custom backplanes and panels, the following accessories can sim expedite their designs.

Select a product category

I/O Cables

The **Model AC1382** optional 10-foot cable is required to connect a 25-pin RS-232C serial port from a host processor to a 6BP01-2, 6BP04-2, 6BP04HV-2 or 6BP16-2 backplane or a 6B50-2 board. The RS-232C connector is a female 25-pin DB-25. The 6BPXX-2 backplanes and the 6B50-2 digital board connector are male 25-pin DB-25. Only pins 1, 2, 3 and 7 (connected one-to-one) are connected.

AC1382
Order Now
Model AC1382

The **Model AC1385** is identical to the AC1382 cable except for a 9-pin female DB-9 connector that connects to 9-pin serial ports. Pins 2, 3 and the DB-9 connector are connected to pins 3, 2 and 7, respectively o DB-25 connector.

ac1385
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Model AC1385

The **Model CAB-03** 3-foot flat ribbon cable connects the 6B50-1 or 6B50-2 TTL-level discrete I/O channels to either the DB-16 or DB-24 solid state relay backplanes.

CAB-03
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Model CAB-03

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CJC Temperature Sensor

The **Model AC1361** temperature sensor provides cold junction temperature measurement for thermocouple applications or user-designed backplanes or mounting boards. These SIP temperature sensors included on each channel of all 6B Series backplanes.

AC1361
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Model AC1361

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Current Conversion Resistor

The **Model AC1381** is an encapsulated, plug-in, 50 , 0.1%, 1/8 watt, 10 ppm/°C resistor that converts current to voltage. The AC1381 c mounted directly on the 6B Series backplanes and is required for each 4 20 mA or 0-20 mA input channel.

AC1381
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Model AC1381

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Digital Backplanes and Solid State Relays

The **Model DB-16** 3.5-inch x 14.05-inch optional solid-state relay backplane supports the installation of up to 16 single-channel, solid state rel modules, providing 2500 V peak isolation for up to 16 digital I/O cha Any combination of AC Input/Output or DC Input/Output solid state r may be used. The DB-16 requires an external +5 V DC supply voltage CAB-03 cable to connect with a 6B50 Digital I/O Board.

DB-16
Order Now
Model DB-16

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Single-Channel Solid State Relay Modules for the DB-16 Backplane

Model	Type	Range
IA140A	AC Input	90 V rms to 140 V rm
IA280A	AC Input	180 V rms to 280 V rr
OA140A	AC Outpu	12 V rms to 140 V rm
OA280A	AC Outpu	24 V rms to 280 V rm
ID016	DC Input	3.3 V DC to 32 V DC
ID032	DC Input	10 V DC to 32 V DC
OD060	DC Outpu	5 V DC to 60 V DC

ID016
Order Now Model ID016

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24-Channel Backplane

The **Model DB-24** 6.0-inch x 8.0-inch optional relay backplane support installation of up to six 4-channel, high-density solid-state relay modules, providing 4000 V peak of isolation for up to 24 digital I/O channels. A combination of AC Input/Output or DC Input/Output solid-state quad relays may be used. The DB-24 requires a +5 V DC supply voltage, and a CAB-03 cable to connect with a 6B50 Digital I/O Board.

Db-24
Order Now
Model DB-24

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Quad-Channel Solid-State Relay Modules for the DB-24 Backplane

Model	Type	Range
OA240QA	4-Channel, AC Output	24 V rms to 280 V rms
OD60Q	4-Channel, DC Output	3 V rms to 60 V rms
IA120QA	4-Channel, AC or DC Input	90 V rms to 120 V rms 90 V DC to 140 V DC
IA240QA	4-Channel, AC or DC Input	180 V rms to 280 V rms 180 V DC to 280 V DC
ID32Q	4-Channel, DC Input	10 V DC to 60 V DC
ID16FQ	4-Channel, Fast D Input	4 V DC to 16 V DC 50 µs Turn-on Time, 100 µs Turn-off Time

IA240QA
Order Now Model IA240QA

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Digital Termination Panel

The optional **Model STB-50A** is a 3-inch x 5.25-inch DIN rail mountin panel that directly connects to all 24 TTL-level discrete I/O channels o 6B50-1 or 6B50-2 digital I/O boards via screw terminals. A 3-foot flat ribbon cable is included with Model STB-50A.

STB-50A
Order Now
Model STB-50A

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Configuration Jumpers

Model AC1344 is a spare set of 10 configuration jumpers (W1) for Series backplanes and 6B50 Digital I/O boards. A configuration jumpe used to establish or change the address, baud rate and checksum module when inserted in any backplane first socket. A configuratic is used to establish or change the address of any 6B50 board.

AC1344
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Model AC1344

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Mounting Kit - Rack Mount

The **Model AC1380** optional rack-mount kit fits any 6B Series backplane into a 19-inch rack, requiring a 19-inch x 3.5-inch area. The bottom plate I threaded inserts for mounting each of the three backplanes using and pre-drilled holes for attachment of an AC/DC power supply (95 or PWR-01). Mounting hardware is provided with the AC1380.

AC1380
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Model AC1380

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Power Supplies

The **Models 955, 977 and PWR-01 AC/DC** modular power supplies provide a +5 V DC regulated output. Model 955 offers a +5 V I ampere output (5 watt); Model 977 and PWR-01 offer a +5 V DC @ ampere output (25 watts). Both Models 955 and 977 accept a AC input; Model PWR-01 accepts a wide input range of 85 V AC 280 V AC.

PWR-01 955,977
Models:
Order Now 955,
Order Now 977
and
Order Now
PWR-01

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User Manual and Configuration Software

The optional **Model AC1383** complete reference manual provides information on setting up the 6B Series Subsystem. The manual in complete specifications and the 6B Series Command Set. An inclu utility/demo software on a 3.5-inch software diskette enables a user to configure, calibrate, read data from or write data to the 6B Series m and 6B50 I/O boards, without writing his own application programs. Series User Manual with software diskette must be ordered as a se item.

AC1383
Order Now
Models AC1383

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DB-24 Rack Mount Kit

The **Model RM-02** optional rack mount kit fits two DB-24 backplanes into a 19-inch rack. Mounting hardware is provided.

RM-02
Order Now
Model RM-02

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