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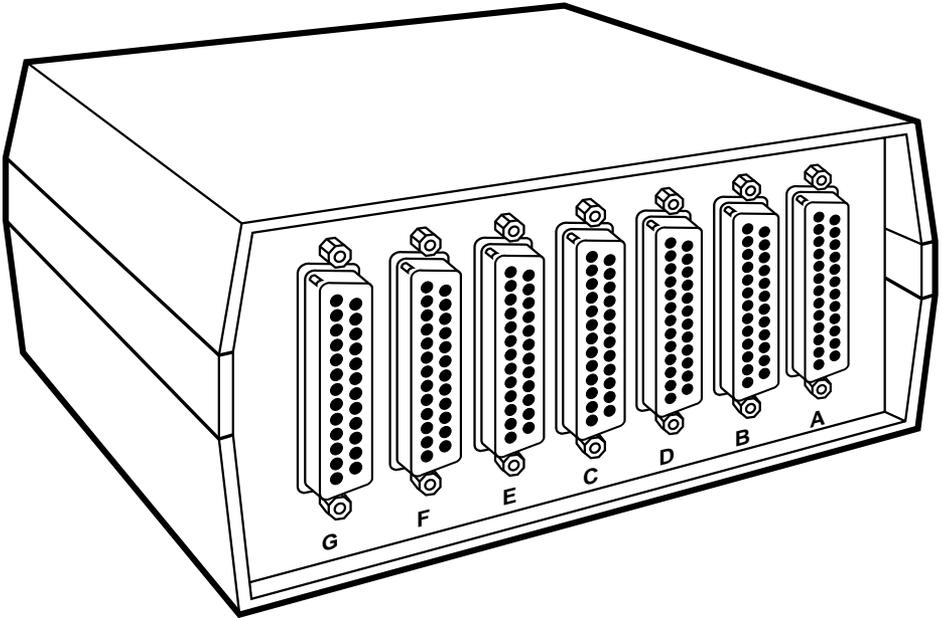
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SW035A	SW580A
SW059A	SW640A
SW076A	SW694A
SW077A	SW830A
SWL090A	SW920A

## 6-to-1 Manual Switches



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## 6-TO-1 MANUAL SWITCHES

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# 1. Specifications

**Power** — None needed

**Leads Supported** —

SW035A:	1–9
SW059A:	24 (Pin 25 tied common)
SW076A:	1–6
SW077A:	1–8
SW090A:	2–8, 15, 17, 20, 22, Pin 1 tied common
SW580A:	Center conductor and shield
SW640A:	Center conductor and shield
SW694A:	1–6
SW830A:	4 leads
SW920A:	15 leads

**Connectors** —

SW035A:	DB9 female
SW059A:	DB25 female
SW076A:	6-wire female
SW077A:	8-wire female
SW090A:	DB25 female
SW580A:	BNC or TNC female
SW640A:	BNC and TNC
SW694A:	6-wire MMJ female
SW830A:	4-position terminal block
SW920A:	VGA female

**Size** —

SW059A, SW090A, SW830A: 3.5"H × 6"W × 6.3"D (8.9 × 15.2 × 16 cm)  
All others: 2.5"H × 6"W × 6.3"D (6.4 × 15.2 × 16 cm)

**Weight** — 1.5 lb. (0.7 kg)

# 2. Introduction

### About Your Switch

The switch you're about to install is one of the best low-cost investments you can make for your system. You'll extend the life of your peripherals and add hours to your work month with the time you eliminate in cabling and recabling.

The switch itself is one of the most durable devices you'll ever own—the all-mechanical operation and self-cleaning wiper action make for resistance to wear, a very low failure rate, and years of life.

Our switches come in versions for nearly every connector on the market. If you have any special requirements, such as unusual connector configurations or special pinning, call us. We can get you a custom switch for your application.

### Before You Install....

It's easy to install your switch. The procedure is simple—it should be almost instinctive for anyone who has ever hooked up a PC, VCR, or stereo system.

But there are a few things to be careful about. Before you start your installation, check this list of cautions:

- ***Unplug everything.*** You should use the same care when installing your switch that you use for connecting a PC or speaker. Although the switch doesn't draw current, your devices do, so *unplug the power* for all of them before you begin.
- ***Consider surge protection.*** The switch will not actively resist power surges, and can pass along enough energy from a major surge to damage your data or equipment. You might want the protection of an in-line surge protector. Call for details on the surge protector that best fits your system.
- ***Don't use a manual switch with laser printers.*** The delicate circuitry in any laser printer could be damaged by the small amount of energy that any manual switch passes. If you need a switch for a laser printer, ask about our electronic switches.

## 3. Installation

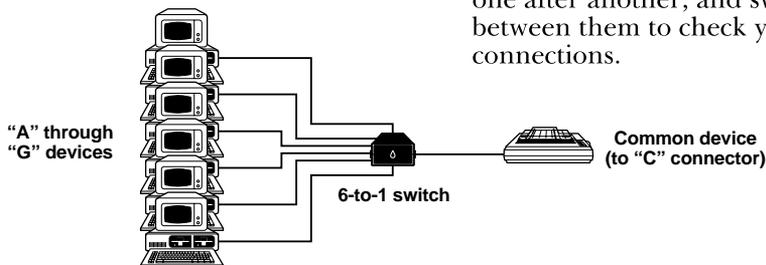
### Where to Put the Switch

The switch can be put almost anywhere. The site should be flat, dry, and stable, and you should be able to reach the knob on the front easily. You don't have to worry much about airflow—the switch won't get very hot.

### Cables

You'll need seven lengths of cable. Check your manufacturer's specifications for information on pinning—DTE-to-DTE connections, for example, will require cross-pinned cable. Call us if you need cables. We can supply them for almost any application.

All the switches, except the MMJ Switch (SW694A), are pinned straight through—they don't switch any leads during the passage of your signal. The MMJ Switch uses a special cross-pinning scheme that lets you use your existing cables to make connections.



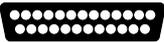
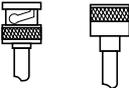
### Setting Up the Switch

Gather your cables and follow these steps:

1. Set your switch in the site you've chosen.
2. Turn off the power to all the devices you'll connect to the switch.
3. Turn your switch around so that the connectors are facing you. The connector marked "C" is the common connector. Run a cable from that connector to the common device you wish to share with your multiple devices.
4. The other connectors on the rear—A, B, D, E, F, and G—are for the multiple devices. Run cables from the connectors to those devices.
5. Check your configuration against the diagram below. Add power to your devices, activate one after another, and switch between them to check your connections.

## 4. Connectors

A variety of 6-to-1 switches is available. The chart below shows all the available connectors and pinnings. We might have updated our stock since this chart was printed, so call us if you don't see the switch you need.

Category	Outline	Type	Leads supported	Code
DB		DB25 parallel	24 (25 common)	SW059
		DB25 serial	2-8, 15, 17, 20, 22	SW090
		DB9	9	SW035
		DB15HD	15	SW920
RJ		RJ-11	6	SW076
		RJ-45	8	SW077
MMJ		MMJ	6	SW694
Barrier Block		4-wire	4	SW830
Coaxial		Coax	BNC or TNC	SW580
		WANG® compatible	BNC and TNC	SW640