VALVE CARDS
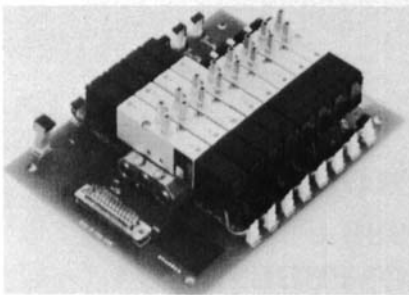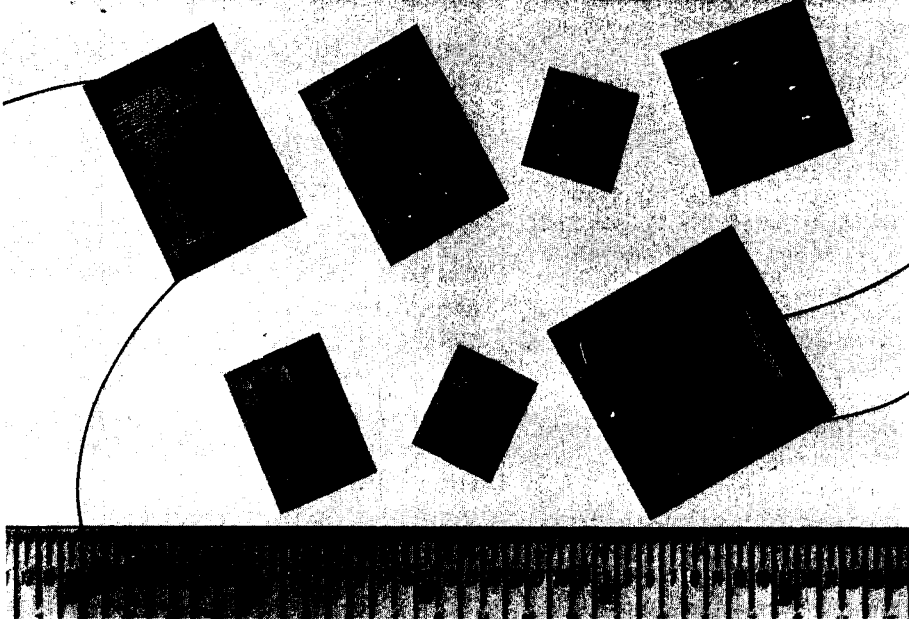
A new series of Solenoid valve cards, the 3000 Series, can reduce system construction time with an easy to mount format on a 6 1/8-in. × 8-in. × 2 1/2-in. board, the manufacturer reports. The valve card offers plug-compatibility with Models 2020/2021/2400/2800 automation controllers. The high-flow, four-way, two-position valves provide low-power (1.6 W) coils, that may be driven directly from the controller's internal power supply. **Control Technology Corporation.** **82**

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3:1 INPUT CONVERTER

The new d-c/d-c converters with a three-to-one input-range capability can accept any voltage from 12-V d-c to 36-V d-c. The 12-watt units are designed for 24-V battery use in telecommunication systems and can be used in 24-V control loop applications. The Model 24S12.1000 has a 12-V output at 1 ampere. Model 24S15.800 has a 15-V output at 800 mA output. Model 24S5.2000 has a 5-V output of 2 amps of current. All units have input filters and the 5-V output is clamped for overvoltage protection of ICs. **Calex Mfg. Co., Inc.** **120**

SOFTWARE PRODUCTS

A new software package, the Dual Serial Port Manager (DSPM), is a hardware/software interface program similar to a DOS device driver that manages the flow of data between an applications program and the IBM serial ports. DSPM is fully interrupt driven, automatically buffers all received and transmitted data, and allows the user to independently specify the size of each buffer, the manufacturer states. It also allows the applications program to simultaneously use both COM1 and COM2 and supports three data transfer protocols, all at a level invisible to the program, the company says. **Akron Software.** **104**