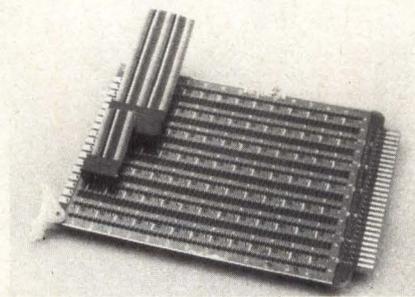


capacitors are rated at 160 to 630 Vdc, with a capacitance range of 220 to 27,000 pF, and feature a working temp limit of 85 °C. With a dissipation factor of less than 0.05%, they are recommended for high power circuits. Polyester capacitors are rated at 160 to 630 Vdc with a capacitance range of 0.001 to 0.1 μ F. They have the highest Q available in polyester film capacitors. **TRW Universal Capacitors**, 312 West O Street, Ogallala, NE 69153.

Circle 392

Socket boards with STD BUS compatibility



Series of "Quick/Connect" insulation displacement socket boards is compatible with STD BUS boards and features 28/56 card-edge fingers for I/O; accommodation of forty-two 16-pin or twenty-seven 24-pin ICs; 91 V_{CC} and 98 ground terminals; and 18 test points on top of board. Universal socket pattern accepts 0.3" (0.8-cm) and 0.6" (1.5-cm) DIPs. Std contact plating in 30 μ in of gold, with tin/gold option available. Prices are \$64 each in quantities of 10 with tin/gold option. **Robinson Nugent, Inc**, PO Box 470, 800 E Eighth St, New Albany, ID 47150.

Circle 393

Card frame/power supply for multiple modems

Z-Frame card frame and power supply houses up to 16 variable speed Z9600C asynchronous modems designed for short operations of up to 10 mi (16 km) at speeds up to 9600 bps. Edge connectors provide all power and signals to modems, which can be inserted or removed without affecting each other. Each card slot operates independently and is connected to external devices via RS-232 and line connectors attached to the motherboard. Unit measures 19" x 5.25" (48 x 13.33 cm). Power is 110 V/60 Hz with optional 220 V/50 Hz. **Madzar Corp**, 37490 Glenmoor Dr, Fremont, CA 94536.

Circle 394

Multilayer extender cards

Controlled impedance extender cards DE2ET-ML, DE4ET-ML, and DE6ET-ML incorporate buried power layers and ground planes, and control line widths and spacing between layers. Impedance achieved is approximately that of the bus structure. Improved signal transmission through the card and low power and ground voltage drops across the planes result. The multilayer cards are shorter than the company's universal series to permit use of std I/O extenders and flat cable jumpers to adjacent cards. **Hybricon Corp**, 410 Great Rd, Littleton, MA 01460.

Circle 395

Coreless motors

Coreless subfractional dc motors have rotor formed by self-supporting bonded wire coil rather than core laminated rotors. Coil wire design provides small rotor mass for low rotor inertia, fast response time, smooth operation at low speeds, limited cogging, and low electrical/mechanical noise performance. Models available include 6-Vdc 0.87" (22-mm) diameter motor, and two 12-Vdc 1.18" (30-mm) diameter motors. Rated torque range is 0.28 oz-in (20 g-cm) to 1.97 oz-in (50 g-cm). Rated speed range is 3500 to 6200 rpm. **Canon U.S.A., Inc, Electronic Components Div**, One Canon Square, Lake Success, NY 11042.

Circle 396

Low resistance metal film resistors

Resistance of 0.27 Ω is available from A21 series of metal film resistors. Series features a flame retardant epoxy coating and is designed to minimize space requirements while maintaining MIL-R-22684 environmental specs. Series includes 0.5- and 2-W sizes, both with minimum resistance of 0.27 Ω with a max of 10 Ω and 27 Ω , respectively. Tolerances range from 1% to 10%, depending on model. Resistors are designed to operate with full rated power at 70 °C. **Dale Electronics, Inc**, PO Box 609, Columbus, NE 68601.

Circle 397

Replacements for RN style resistors

Designed as single-sized precision resistors for high density, low profile electronic assemblies, radial lead type MK precision film resistors can directly replace 5 sizes of RN style. Std resistance values range from 30 Ω to 100 M Ω in a fully encapsulated package measuring 0.3 in² x 0.1" (1.9 cm² x 0.25 cm) thick. Model MK 132 and MK 632 feature \pm 1% resistance tolerances std; tolerances of \pm 0.1% are available. Full power rating is 0.75 W over temp range of -55 to 125 °C; max operating temp is 175 °C. Tempco is 50 ppm/°C for values up to 10 M Ω , and 80 ppm/°C for values to 100 M Ω . Resistors require less board space than 0.05-W RN 50 style resistors, allowing max packaging densities. **Caddock Electronics, Inc**, 1717 Chicago Ave, Riverside, CA 92507.

Circle 398

Long life momentary switch

K101 momentary pushbutton switch is designed with an electrical life of 25M cycles. Device is a spst, normally open switch with overtravel, and can be either panel or PC mounted. Electrical specs include contact rating of 0.4 VA max at 24 Vac or Vdc max, contact resistance of 20 m Ω max initially, insulation resistance of 1000 M Ω min, with a capacitance of 1 pf max, dielectric strength of 10k Vac rms at sea level and op temp of -25 to 85 °C. Applications include keyboard and trigger switch, multiple keyboard installations, and data input. **C&K Components, Inc**, 15 Riverdale Ave, Newton, MA 02158.

Circle 399

Solid state synchro transformers

Series of solid state synchro control transformer modules are direct replacement for conventional electro-mechanical control transformers, and provide digital control of existing analog servo systems. Modules are 2.6" x 3.1" x 0.82" (6.6 x 7.9 x 2.08 cm) and have std accuracies of \pm 6, \pm 15, or \pm 30 min of arc. They simultaneously accept synchro or resolver inputs of 11.8 or 90 V, 400 Hz; or 90 V, 60 Hz; and 14-, 12-, or 10-bit binary digital data. Model SCT 40 requires 26- or 115-V, 400-Hz ac reference input and 15 Vdc at 60 mA, -15 Vdc at 25 mA, and 5 V at 75 mA. Op temp ranges are 0 to 70 °C or -55 to 85 °C. **Computer Conversions Corp**, 6 Dunton Court, East Northport, NY 11731.

Circle 400