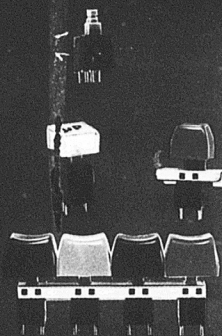
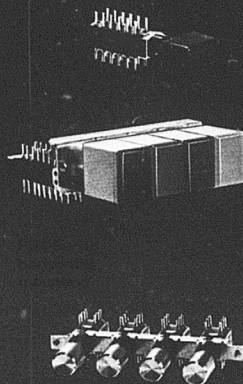


When you're searching
for component solutions...

Expand
your
horizon
of
choice

with Centralab pushbutton switches...



WPS-Series
vertical
mounting

... call your Centralab Sales Representative

ALABAMA
Huntsville
Cartwright & Bean, Inc.
(205) 533-3509

ARIZONA
Phoenix
Clemick-Neenan &
Assoc.
(602) 279-7649

CALIFORNIA
Palo Alto
Brooks Technical Group
(415) 328-3232
Sherman Oaks
Clemick-Neenan &
Assoc.
(213) 590-3150
Tustin
Clemick-Neenan &
Assoc.
(714) 547-0966

COLORADO
Denver
Electro-Rep, Inc.
(303) 744-2821

CONNECTICUT
Meriden
Centralab
(203) 235-0766

FLORIDA
Ft. Lauderdale
Cartwright & Bean, Inc.
(305) 735-4900
Orlando
Cartwright & Bean, Inc.
(305) 422-4531

GEORGIA
Atlanta
Cartwright & Bean, Inc.
(404) 255-5262

HAWAII
Honolulu
Dougherty Enterprises
(808) 847-4144

ILLINOIS
Des Plaines
Centralab
(312) 694-4870

INDIANA
Indianapolis
Les M. DeVoe Co.
(317) 842-3245

IOWA
Cedar Rapids
Jerry Vrbik Co.
(319) 366-8733

KANSAS
Shawnee Mission
Lowell-Kangas &
Assoc.
(913) 631-3515

LOUISIANA
Metairie
Cartwright & Bean, Inc.
(504) 834-2350

MARYLAND
Columbia
Bresson Assoc. Inc.
(215) 664-6460

MASSACHUSETTS
Needham
Centralab
(617) 444-4781

MICHIGAN
Lathrup Village
Centralab
(313) 559-9095

MINNESOTA
Minneapolis
Centralab
(612) 831-5212

MISSISSIPPI
Jackson
Cartwright & Bean, Inc.
(601) 981-1368

MISSOURI
St. Louis
Lowell-Kangas &
Assoc.
(314) 821-4050

NEW JERSEY
Paramus
Centralab
(201) 262-6716

NEW YORK
Albany
Reagan/Compur Albany
(518) 489-7408
Endwell
Reagan/Compur Albany
(607) 723-8743
Fairport
Reagan/Compur Albany
(716) 271-2230
New Hartford
Reagan/Compur Albany
(315) 732-3775

NORTH CAROLINA
Charlotte
Cartwright & Bean, Inc.
(704) 377-5673
Raleigh
Cartwright & Bean, Inc.
(919) 781-6560

OHIO
Cleveland
Centralab
(216) 526-1205
Columbus
Centralab
(614) 888-2150

OREGON
Portland
Centralab
(503) 620-1611

PENNSYLVANIA
McMurray
Centralab
(412) 941-7440
Narberth
Bresson Assoc. Inc.
(215) 664-6460

TENNESSEE
Knoxville
Cartwright & Bean, Inc.
(615) 693-7450

TEXAS
Austin
Centralab
(512) 454-9529
El Paso
Centralab
(915) 779-3961
Farmers Branch
Centralab
(214) 243-8791

VIRGINIA
Lynchburg
Bresson Assoc. Inc.
(215) 664-6460

WASHINGTON
Bellevue
Centralab
(206) 454-7754

WISCONSIN
Milwaukee
Centralab
(414) 228-2122

PUERTO RICO
Rio-Rio
M. Anderson Co., Inc.
(809) 751-2026

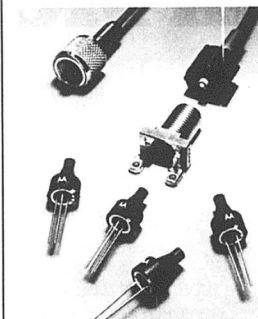
CANADA
BRITISH COLUMBIA
North Vancouver
Arwin Tech Sales Ltd.
(604) 980-4346

ONTARIO
Ajax
McHugh Electronics
Ltd.
(416) 683-1540

QUEBEC
Ste. Dorothée Leval
Harnett Enterprises
(514) 689-4184

Communications

Fiber-optic semis, connectors —made for each other



Motorola Inc., P.O. Box 20906, Phoenix,
AZ 85036. Jim Herman (602) 244-4556.
P&A: See text.

AMP Inc., Harrisburg, Pa 17105. Denis
Bukowski (717) 564-0100. P&A: See
text.

A new fiber-optic coupling system—a joint venture by Motorola and AMP—can improve light transmission as much as 50 times over some available systems. Motorola is manufacturing a new line of semiconductor drivers in plastic ferrules specifically designed to fit a new line of AMP Optimate connectors. A fiber-optic cable bonded directly to the semiconductor die ensures maximum transfer of light in the Motorola light sources.

The Motorola line includes a light-

emitting diode and four detectors. The MFOD102F LED will deliver a minimum of 40 μ W at 40 mA. Three of the detectors—a p-i-n diode detector (MFOD102F), a transistor detector (MFOD202F), and a Darlington (MFOD302F), vary in responsivity from 0.15 μ A/ μ W to 2000 μ A/ μ W. A fourth detector (MFOD402F), which includes a built-in IC preamp, is rated at 0.6 mV/ μ W (min). The light-coupling aperture of the semiconductor drivers is 204 μ m with a numerical aperture of 0.48 for efficient coupling to small fibers.

The AMP connector housing is PC-board mountable, and 0.3 in. high for use in board spaces 0.5 in. apart. Made of metal to shield against RFI/EMI, the connector provides solid strain relief and accepts all-glass and plastic-clad silica fibers down to 125 μ m in diameter.

The semiconductor drivers will cost about \$30 in lots of 50 to 99. Although production quantities will not be available until the end of May, Motorola will provide samples to selected customers.

The AMP connector system will be available in production quantities toward the end of May. The housing will be \$2.67 in lots of 1000 to 4999, while the small-fiber connector will be \$6.39 in the same lot size. At least 25 pieces is the minimum order for each.

Motorola
AMP

CIRCLE NO. 302
CIRCLE NO. 303

Dpd switch routes rf to 500 MHz

Compac, 279 Skidmore Rd., Deer Park,
NY 11729. (516) 667-3933. \$54.95 (10
qty); stock to 2 wks.

A dpdt rf transfer switch, Model TSW2800, handles up to 450 mW at frequencies to 500 MHz. Impedance is 50 Ω ; VSWR, 1.2:1; port-to-port isolation, 40 dB minimum; coil voltage, 24 or 28 V. The unit comes with female BNC connectors.

CIRCLE NO. 348

Power filters suppress RFI by 100 dB

RFI, 100 Pine Aire Dr., Bay Shore, NY
11706. (516) 231-6400.

RF5200 Series power filters provide a minimum of 100-dB RFI suppression from 14 kHz to 10 GHz. Current ratings range from 25 to 400 A. From one to four filter elements are installed in a shielded, gasket-sealed housing. The filters withstand overloads in accordance with MIL-F-15733.

Electro: 2443

CIRCLE NO. 349