

New products/materials

to adjust to space limitations. The unetched laminate passes a solder dip test of 400°F for 20 seconds and retains shear and tear qualities at operating temperatures of 300°F.

Norplex, 1300 Norplex Dr., LaCrosse, Wis. 54601 [478]

Epo-Tek H61 is a thermally conductive and electrically insulating epoxy for use with hybrid and optoelectronic devices. The 100%-solids material can be used to coat active chip and wire devices and to bond chip components in devices where electrical conductivity is not required. The material, in flowable paste form, is screen-printable. A 3-ounce evaluation kit is priced at \$15.

Epoxy Technology Inc., 65 Grove St., Watertown, Mass. 02172 [479]

A silicon-core iron for making core stops in relays is said to eliminate hard spots and inconsistencies in machining, thus boosting produc-

tion rates by as much as 30%. Called B-FM, it is also for use in solenoid switches and armatures and meets

most immediately after processing the first side.

Dynachem Corp., Santa Fe Springs, Calif. [401]



the requirements of the National Association of Relay Manufacturers Specification 102, Issue I.

Carpenter Technology Corp., 101 W. Bern St., Reading, Pa. [480]

A solder mask for printed-circuit applications cures with ultraviolet light, instead of heat. Called Dynacure SM-15, the 100%-solids material is screen-printable, contains no solvents, and cures to a hard scratch-resistant finish in 3 to 6 seconds. The second side of two-sided work can be screened and cured al-

most immediately after processing the first side. Dynacure SM-15 is used to passivate high-voltage diodes and forms the structural package for each device. The glass is applied to a rotating, brazed subassembly in a deionized water slurry. The rotation forms a bead, which maintains its form by surface tension during the conveyor furnace firing. The glass will act as a permanent barrier to ion-migration. IP745 is specifically designed to increase yield to 98% or 99% over 60 V, reduce snapback, and tighten voltage distribution. Moreover, IP745 permits thicker plating on leads, since it is chemically strong, which in turn increases solderability and yield on the board. In production quantities, price can be as low as \$45 per kilogram.

Innotech, 181 Main St., Norwalk, Conn. 06851 [402]



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