

APA Products

Assembly & Production Aids

Speedline Technologies Assembly & Production Aids (APA) products assist in your assembly and manufacturing processes. From solder pots to temperature reading labels and service kits, APA products are designed with you in mind. Contributing to the lowest cost of ownership in the electronics and semiconductor industries.

Assembly & Production Aids are:

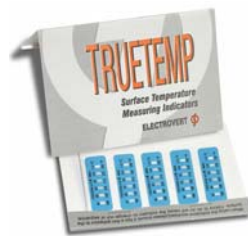
- Rugged
- Dependable
- Easy to use
- Insulated for safety



Round Solder Pots

Round Solder Pots are sturdy and designed for various applications including lead-free soldering. High thermal conductivity of the casting between elements and solder guarantees rapid heating, uniform solder bath temperature and stable temperature control. The inside of the cast iron crucible is smooth and free of welds, heating elements and thermostats to maximize usability. Pots are fully insulated for safety and are supplied with a dross tray and complete wiring instructions.

- Single wound ceramic heating element
- Safety splash guard
- Twelve month warranty



Temperature Reading Labels

Heat sensitive, self-sticking labels measure maximum surface temperatures reached on boards and components during processing. In less than a second, nonreversible color change from white/silver to black quickly shows the maximum temperature reached at the label's location. Temperature readings are accurate $\pm 1^\circ\text{C}$ up to $\pm 1\%$ of reading above 100°C . The encapsulated chemicals are impervious to oil, water and steam.

- Accurate readings
- Withstands oil, water and steam
- Quick and easy to use



Lev Chek

The Lev Chek wave solder gauge is a tempered glass panel designed to monitor flux coverage, wave shape, wave turbulence, leveling of the conveyor and other wave soldering quality factors. This unique method of topside observation of the actual "wave-to-board" contact is helpful in identifying proper angle of contact, flux movement across the board, displacement flushing action, direction of solder flow, and meniscus velocity at the break away of the solder contact. It also allows visual observation of wave impingement on board surface for skips or turbulence.

- Available in 1/2" or 1" grid patterns
- Tempered glass designed to withstand the heat required for lead-free wave soldering



Kleenox

Kleenox is designed for cleaning and protecting the solder bath in wave solder pots from air oxidation and formation. Solder baths form a thin film of oxide which prevents solder from wetting the base metal. Kleenox is formulated to remove the oxides. Kleenox can be used with tin/lead and lead-free solder.

WORLD HEADQUARTERS

16 Forge Park
Franklin, MA 02038
Tel: (508) 520-0083
Fax: (508) 520-2288

www.speedlinetech.com

MANUFACTURING AND CUSTOMER SUPPORT FACILITIES

ACCEL/ELECTROVERT
1629 Old South 5
Camdenton, MO 65020
Tel: (573) 346-3341
Fax: (573) 346-5554

CAMALOT/MPM
16 Forge Park
Franklin, MA 02038
Tel: (508) 520-0083
Fax: (508) 520-2288

SALES & CUSTOMER SUPPORT OFFICES

MEXICO
Carretera Base Aerea #5850
Km. 5, Edificio 11
Zapopan, Jalisco, Mexico
Tel: +52 (3) 818-9017
Fax: +52 (3) 818-9816

EUROPE
Speedline Technologies GmbH
Im Gefierth 14, D-63303
Dreieich, Germany
Tel: +49 (0) 6103-8320
Fax: +49 (0) 6103-832-299

ASIA/PACIFIC
Speedline Technologies Asia Pte
Ltd
132 Joo Seng Road
#03-01 Uniplus Bldg
Singapore 368358
Tel: +65-6286-6635
Fax: +65-6289-9411

Item	Part Number	Price
Round Solder Pots		
Model 111-110V 2"x 2"	200-223-2	\$489.25
Model 111-220V 2"x 2"	200-224-2	QUOTE
Model 211-110V 2"x 2"	200-225-2	QUOTE
Model 132-110V 3"x 3"	200-229-2	\$489.25
Model 132-220V 3"x 3"	200-230-2	QUOTE
Model 332-110V 3"x 3"	200-233-2	QUOTE
Replacement Heating Elements		
111-110V	006-239-2	\$170.88
211-110V	006-241-2	QUOTE
132-110V	006-240-2	\$170.88
132-220V	006-227-2	QUOTE
Round Solder Pot Spare Parts		
Resistor-110V	024-183-1	\$8.91
Resistor-220V	024-184-1	QUOTE
Thermostat	016-119-3	\$127.62
Knob	022-190-1	\$7.80
Bracket	011-826-2	\$24.87
Bottom	011-827-1	QUOTE
Base	011-800-1	QUOTE
Cord Set-110V	023-020-1	QUOTE
Cord Set-220V	023-051-2	QUOTE
Crucible 2" Unit	001-012-3	\$52.39
Crucible 3" Unit	001-032-3	\$34.91
Dross Tray 4"/2" Pot	011-028-4	QUOTE
Dross Tray 5"/3" Pot	011-029-4	\$25.17
Terminal Ring	025-287-1	\$0.18

Item	Part Number	Price
Miscellaneous APA Spare Parts		
Board Straightener	2-6999-093-00-0	QUOTE
Hydrometer (.800—1.000)	2-6013-020-00-0	\$46.78
Hydrometer (.750—.950)	2-6013-131-00-0	\$42.18
Kleenox "P" Powder (One case of (12) 16 oz. containers)	2-9303-097-00-0	\$216.30
Lev Chek Model LC 1510	2-8015-044-00-0	\$287.37
Lev Chek Model LC 810	2-8015-045-00-0	\$202.91
Temperature labels		
ML4 (93-110°C or 200-230°F)	2-6013-074-00-0	\$46.35
TC5 (88-110°C or 190-230°F)	2-6013-073-00-0	\$47.38
6L (82-110°C or 180-230°F)	2-6013-072-00-0	\$45.32
Sample Temperature Label	6-0504-073-01-1	QUOTE
Solder Tool Kit Spare Parts		
Scraper Nozzle Tool	3-0962-002-02-3	\$32.45
Dross Remover Tool	3-0962-002-03-3	\$30.28
Nozzle Removal Tool	3-0962-092-01-6	\$309.00
Nozzle Removal Tool (VectraES)	3-0962-107-01-6	83.43
EPK Nozzle Set Up Tool	3-0974-002-01-6	\$364.62
Electra/Vectra Nozzle Set Up Tool	3-0974-003-01-6	\$189.26
VectraES/VectraElite Nozzle Set Up Tool	3-0974-010-01-6	\$153.47
1/2" Wide Trowel	2-6013-186-00-0	\$76.79
Straight Blade Putty Knife	2-6013-188-01-0	\$15.45
Wave Spoon	2-6013-189-00-0	\$84.36
Wood Handle Ice Pick	2-6013-190-00-0	\$28.12
Anti Seize	2-9304-008-02-0	\$14.48
Pot Warm Up Cover, Silver	3-0101-405-03-3	\$160.06

© 2011 Speedline Technologies

V. 10 3.11
Prices subject to change without notice.

**ABOUT SPEEDLINE TECHNOLOGIES**

Speedline Technologies is the global leader in process knowledge and expertise for the PCB assembly and semiconductor industries. Based in Franklin, Massachusetts, the company markets five best-in-class brands—ACCEL microelectronics cleaning systems; CAMALOT dispensing systems; ELECTROVERT wave soldering, reflow soldering and cleaning equipment; MPM stencil and screen printing systems; and PROTECT global services, support and training solutions. For more information, visit us at www.speedlinetech.com.

Speedline Technologies maintains an ongoing program of product improvement that may affect design and/or price. We reserve the right to make these changes without prior notice or liability.