



Solder for Electronic Repairs

Lead-free solder has a flux core, which eliminates the need for additional flux. It does not produce toxic fumes when heated. Leaded solders have a lower melting point with better wettability than lead-free solders. Leaded solders should be used only in areas with proper ventilation systems.

19YP69



1UYH4



1UYD8



799RN4

Composition	Diameter	Weight	Soldering Temperature Range	Flux Type	Solder Series	Brand	Item No.
Lead-Free Solder for Electronic Repairs							
Tin-Copper							
97% Tin, 3% Copper	1/32 in	1 lb	445 °F	Rosin	97/3	Harris	1UYH9
97% Tin, 3% Copper	1/16 in	1 lb	445 °F	Rosin	97/3	Harris	1UYK5
97% Tin, 3% Copper	1/16 in	0.25 lb	445 °F	Rosin	97/3	Harris	55KH89
97% Tin, 3% Copper	3/32 in	0.25 lb	441 °F to 590 °F	No-Clean	Lead Free	American Beauty	19YP70
97% Tin, 3% Copper	1/8 in	1 lb	445 °F	Rosin	97/3	Harris	1UYK8
97% Tin, 3% Copper	2.5 mm	1 lb	445 °F	Rosin	97/3	Harris	1UYK7
99.3% Tin, 0.7% Copper	0.5 mm	500 g	442 °F	No-Clean	SC M1	Weller	799RK1
99.3% Tin, 0.7% Copper	0.5 mm	500 g	442 °F	No-Clean	SC L0	Weller	799RK2
99.3% Tin, 0.7% Copper	1/32 in	500 g	442 °F	No-Clean	SC M1	Weller	799RK5
99.3% Tin, 0.7% Copper	1/32 in	500 g	442 °F	No-Clean	SC L0	Weller	799RK6
99.3% Tin, 0.7% Copper	1 mm	500 g	442 °F	No-Clean	SC M1	Weller	799RK9
99.3% Tin, 0.7% Copper	1 mm	500 g	442 °F	No-Clean	SC L0	Weller	799RL0
99.3% Tin, 0.7% Copper	1.2 mm	500 g	442 °F	No-Clean	SC M1	Weller	799RL3
99.3% Tin, 0.7% Copper	1.2 mm	500 g	442 °F	No-Clean	SC L0	Weller	799RL4
Tin-Copper-Nickel							
99.3% Tin, 0.6% Copper, 0.05% Nickel	0.5 mm	100 g	442 °F to 444 °F	No-Clean	SCN M1	Weller	799RN1
99.3% Tin, 0.6% Copper, 0.05% Nickel	0.3 mm	100 g	442 °F to 444 °F	No-Clean	SCN M1	Weller	799RN2
99.3% Tin, 0.6% Copper, 0.05% Nickel	1 mm	100 g	442 °F to 444 °F	No-Clean	SCN M1	Weller	799RN9
99.3% Tin, 0.6% Copper, 0.05% Nickel	1 mm	100 g	442 °F to 444 °F	No-Clean	SCN M1	Weller	799RN0
Tin-Copper-Silver							
96.5% Tin, 3% Silver, 0.5% Copper	0.3 mm	500 g	422 °F to 430 °F	No-Clean	SAC M1	Weller	799RJ7
96.5% Tin, 3% Silver, 0.5% Copper	0.3 mm	500 g	422 °F to 430 °F	No-Clean	SAC L0	Weller	799RJ8
96.5% Tin, 3% Silver, 0.5% Copper	0.5 mm	500 g	422 °F to 430 °F	No-Clean	SAC M1	Weller	799RJ9
96.5% Tin, 3% Silver, 0.5% Copper	0.5 mm	500 g	422 °F to 430 °F	No-Clean	SAC L0	Weller	799RKO
96.5% Tin, 3% Silver, 0.5% Copper	0.3 mm	100 g	422 °F to 430 °F	No-Clean	SAC M1	Weller	799RM1
96.5% Tin, 3% Silver, 0.5% Copper	0.3 mm	100 g	422 °F to 430 °F	No-Clean	SAC L0	Weller	799RM2
96.5% Tin, 3% Silver, 0.5% Copper	0.5 mm	100 g	422 °F to 430 °F	No-Clean	SAC M1	Weller	799RM3
96.5% Tin, 3% Silver, 0.5% Copper	0.5 mm	100 g	422 °F to 430 °F	No-Clean	SAC L0	Weller	799RM4
96.5% Tin, 3% Silver, 0.5% Copper	0.3 mm	21 g	422 °F to 430 °F	No-Clean	SAC M1	Weller	799RN3
96.5% Tin, 3% Silver, 0.5% Copper	1/32 in	11 g	422 °F to 430 °F	No-Clean	Lead Free	American Beauty	19YP69
96.5% Tin, 3% Silver, 0.5% Copper	1/32 in	500 g	422 °F to 430 °F	No-Clean	SAC M1	Weller	799RK3
96.5% Tin, 3% Silver, 0.5% Copper	1/32 in	500 g	422 °F to 430 °F	No-Clean	SAC L0	Weller	799RK4
96.5% Tin, 3% Silver, 0.5% Copper	1/32 in	250 g	422 °F to 430 °F	No-Clean	SAC M1	Weller	799RL7
96.5% Tin, 3% Silver, 0.5% Copper	1/32 in	250 g	422 °F to 430 °F	No-Clean	SAC L0	Weller	799RL8
96.5% Tin, 3% Silver, 0.5% Copper	1/32 in	100 g	422 °F to 430 °F	No-Clean	SAC M1	Weller	799RN4
96.5% Tin, 3% Silver, 0.5% Copper	1/16 in	500 g	422 °F to 430 °F	No-Clean	SAC M1	Weller	799L5
96.5% Tin, 3% Silver, 0.5% Copper	1/16 in	500 g	422 °F to 430 °F	No-Clean	SAC L0	Weller	799L6
96.5% Tin, 3% Silver, 0.5% Copper	1 mm	0.6 oz	419 °F to 424 °F	Rosin	—	Chemtronics	1UYD8
96.5% Tin, 3% Silver, 0.5% Copper	1 mm	500 g	422 °F to 430 °F	No-Clean	SAC M1	Weller	799RK7
96.5% Tin, 3% Silver, 0.5% Copper	1 mm	500 g	422 °F to 430 °F	No-Clean	SAC L0	Weller	799RK8
96.5% Tin, 3% Silver, 0.5% Copper	1.2 mm	500 g	422 °F to 430 °F	No-Clean	SAC M1	Weller	799RL1
96.5% Tin, 3% Silver, 0.5% Copper	1.2 mm	500 g	422 °F to 430 °F	No-Clean	SAC L0	Weller	799RL2
96.5% Tin, 3% Silver, 0.5% Copper	1 mm	250 g	422 °F to 430 °F	No-Clean	SAC M1	Weller	799RL9
96.5% Tin, 3% Silver, 0.5% Copper	1 mm	250 g	422 °F to 430 °F	No-Clean	SAC L0	Weller	799RM0
Leaded Solder for Electronic Repairs							
Tin-Lead							
40% Tin, 60% Lead	1/16 in	1 lb	360 °F to 460 °F	Rosin	40/60	Harris	1UYH7
60% Tin, 40% Lead	0.5 mm	100 g	361 °F to 374 °F	No-Clean	SnPb L1	Weller	799RM7
60% Tin, 40% Lead	0.3 mm	100 g	361 °F to 374 °F	No-Clean	SnPb L1	Weller	799RM8
60% Tin, 40% Lead	1/32 in	16 oz	445 °F to 500 °F	Rosin	60/40	Harris	1UYH4
60% Tin, 40% Lead	1/32 in	100 g	361 °F to 374 °F	No-Clean	SnPb L1	Weller	799RM6
60% Tin, 40% Lead	1/16 in	16 oz	445 °F to 500 °F	Rosin	60/40	Harris	1UYH3
60% Tin, 40% Lead	3/8 in	1 lb	445 °F to 500 °F	Rosin	60/40	Harris	1UYH6
60% Tin, 40% Lead	1 mm	100 g	361 °F to 374 °F	No-Clean	SnPb L1	Weller	799RM5



19YP58

Solder Pots

American Beauty—For lead-free soldering. Chemically stable, cast-iron crucibles are resistant to corrosion. Cartridge heating elements are inserted directly into the crucible. Internal removable dross skimmer increases safety and maintains solder purity and temperature. Use for pretinning wires, connectors, and other assembly components. 110-120VAC.



Hakko—Analog pot 32TV27 features analog functionality and a rugged ceramic heating element. Lead-free compatible and can accommodate two pot sizes. Digital pot 807V42 is used for dip soldering and tinning the ends of wire leads. Features four different heating programs and convenient timer, which is useful where reliable control of solder temperature is essential.

Description	Pot Wattage	Brand	Mfr. Model	Item No.
Solder Pots				
1 lb, Lead-Free	Greater than 250 W	American Beauty	300	5ZHE9
2.5 lb, Lead-Free	Greater than 250 W	American Beauty	600	5ZHF0
Analog Lead-Free	Greater than 250 W	Hakko	FX300-03	32TV27
Digital Lead-Free	Greater than 250 W	Hakko	FX-305	807V42
Electric Lead-Free	100 — 250 W	American Beauty	MP-9	19YP58
Accessories				
Replacement Thermostat	—	American Beauty	8055	5ZHF3
Solder Pot Heating Element, 160 W Watts, Fits 5ZHE9	100 — 250 W	American Beauty	9301-2X	5ZHF1
Solder Pot Heating Element, 300 W Watts, Fits 5ZHF0	Greater than 250 W	American Beauty	9300-2X	5ZHF2
Solder Pot Heating Element, Fits 19YP58	100 — 250 W	American Beauty	MP-9H	49W653
Voltage Control Unit	—	American Beauty	V3700	5ZHA6