

2012 RECOMMENDED Electronics Assembly Materials



Table of Contents



| Products | Pages |
|---------------------------|-------|
| Solder Paste | 3-7 |
| Fluxes | 8-11 |
| Solder Wire | 12-13 |
| Bar Solder | 14-15 |
| Additional Flux Materials | 16 |
| TSF Products | 17 |
| Other products | 18 |
| Helpful Information | 19 |





| Formula | NXG3 |
|--|--|
| Application | No-Clean Stencil Printing |
| Alloy | Sn96.5Ag3.0Cu0.5 |
| Product Characteristics | Zero halogen, lead-free, no-clean solder paste. NXG3 is engineered for the high thermal demands of assembling with lead-free alloys. Joints are cosmetically as bright as SnPb joints. Designed to be reflowable in air as well as nitrogen. |
| Residue Characteristics | Light colored |
| Typical Metal Percentage and mesh size | 88.5%, -325/+500 (Type 3) |
| Compliant Specifications | IPC/J-STD-004B Flux Designator ROLO |
| Suggested Packaging Style | 500g jar or 600g cartridges |

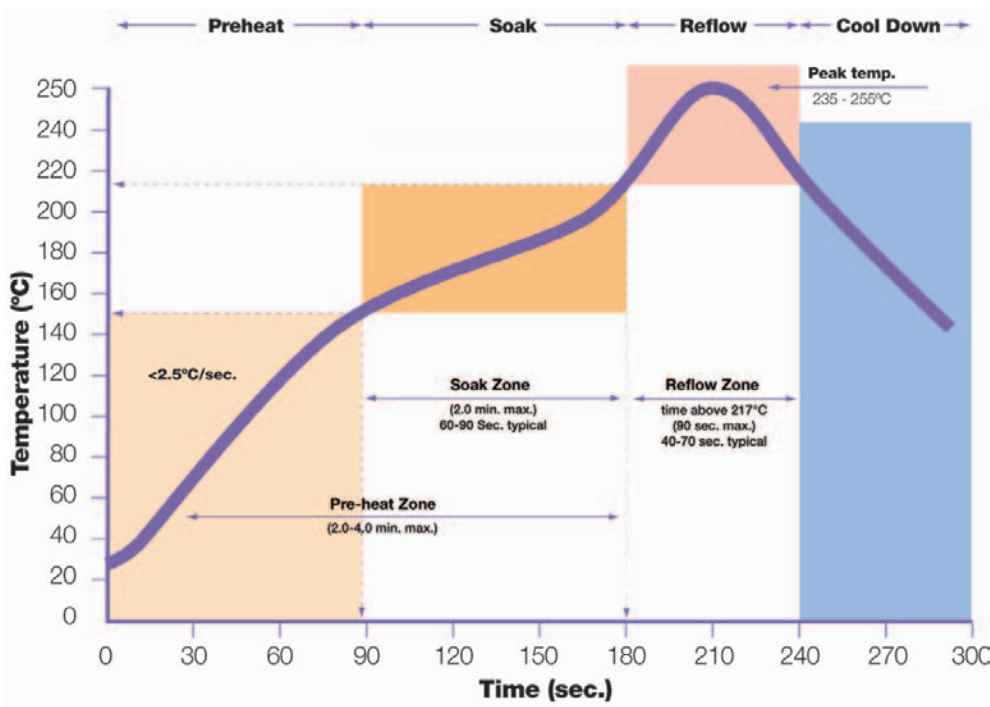


| Formula | NXG5 |
|--|---|
| Application | No-Clean Stencil Printing |
| Alloy | Sn96.5Ag3.0Cu0.5 |
| Product Characteristics | Zero halogen, lead-free, no-clean solder paste. NXG5 is engineered for the high thermal demands of assembling with lead-free alloys. Joints are cosmetically as bright as SnPb joints. Prints down to 01005 pad sites for nitrogen reflow. Larger pad sizes reflowable in air as well as nitrogen. ICT-friendly |
| Residue Characteristics | Light colored |
| Typical Metal Percentage and mesh size | 88.5%, -400/+500 (Type 4) |
| Compliant Specifications | IPC/J-STD-004B Flux Designator ROLO |
| Suggested Packaging Style | 500g jar or 600g cartridges |



| | |
|---|--|
| Formula | NXG33 |
| Application | No-Clean Stencil Printing |
| Alloy | Sn96.5Ag3.0Cu0.5 |
| Product Characteristics | Designed to exceed customers' expectations for high yield lead-free manufacturing. NXG33 is engineered for the high thermal demands of assembling with lead-free alloys. Joints are cosmetically as bright as SnPb joints. Prints down to 01005 pad sites. Designed to be reflowable in air as well as nitrogen. Post soldering, the NXG33 offers minimized defects, including head-in-pillow and QFN/BGA voiding. |
| Residue Characteristics | Light colored |
| Typical Metal Percentage and mesh size | 88.5%, -400/+500 (Type 4) |
| Compliant Specifications | IPC/J-STD-004B Flux Designator R0L0 |
| Suggested Packaging Style | 500g jar or 600g cartridges |

STANDARD SOLDER PASTE REFLOW PROFILE FOR KESTER PASTE CONTAINING ALLOY: Sn96.5Ag3.0Cu0.5



Stage 1- Preheat Zone (Rapid Heating Stage)

The purpose of this zone is to quickly bring the assembly up to a temperature where solder paste can become highly chemically active.

Stage 2- Soak Zone (Temperature Equalization Stage)

The purpose of this stage is for the thermal mass of the assembly to reach a uniform temperature plateau so that there is a very small differential between the hottest and coldest soldering locations on the assembly.

Stage 3- Reflow Zone (Rapid Heating and Cooling)

The purpose of this stage is to rapidly heat the assembly above the melting (liquidus) temperature of the solder and subsequently cool the assembly down quickly to solidify the solder. Wetting of solder onto the substrate and component metalizations occurs in the reflow zone.

| Formula | NXG1 | EnviroMark™ 907 |
|---------------------------|--|--|
| Application | No-Clean Stencil Printing | No-Clean Stencil Printing |
| Alloy | Sn96.5Ag3.0Cu0.5 | Sn96.5Ag3.0Cu0.5 |
| Product Characteristics | Designed to exceed customers' expectations for high yield lead-free manufacturing. NXG1 is engineered for the high thermal demands of assembling with lead-free alloys. Joints are cosmetically as bright as SnPb joints. Prints down to 0201 pad sites. Designed to be reflowable in air as well as nitrogen. | EM907 is a first generation solder paste engineered for the high thermal demands of assembling with lead-free alloys. Joints are cosmetically as bright as SnPb joints. Prints down to 0201 pad sites. Designed to be reflowable in air as well as nitrogen. |
| Residue Characteristics | Light colored | Light colored |
| Typical Metal Percentage | 88.5%, -325/+500 (Type 3) | 88.5%, -325/+500 (Type 3) |
| Compliant Specifications | Telcordia Issue 1 GR-78-CORE IPC/J-STD-004B Flux Designator ROL1 | Telcordia Issue 1 GR-78-CORE IPC/J-STD-004B Flux Designator ROLO |
| Suggested Packaging Style | 500g jar or 600g cartridges | 500g jar; 600 or 750g DEK cartridges |

| Formula | EnviroMark™ 828 |
|---------------------------|---|
| Application | Water-Soluble Stencil Printing |
| Alloy | Sn96.5Ag3.0Cu0.5 |
| Product Characteristics | Kester EM828 provides excellent printability, activity, cleanability and low-voiding behavior. EM828 is very robust and can tolerate a wide variety of printing and reflow conditions. EM828 is a "state of the art" water-soluble lead-free paste that combines superior activity, cleanability and low-voiding. |
| Residue Characteristics | Cleanable in warm water |
| Typical Metal Percentage | 89.5%, -325/+500 (Type 3) |
| Compliant Specifications | IPC/J-STD-004B Flux Designator ORH1 |
| Suggested Packaging Style | 500g jar; 600 or 1400g cartridges |

| Kester Part # | Description | Alloy | Packaging |
|---------------|--|------------------|--------------------|
| 7032130810 | NXG1 No-Clean, Type 3, 88.5% metalsl | Sn96.5Ag3.0Cu0.5 | 500g jar |
| 7032130811 | NXG1 No-Clean, Type 3, 88.5% metalsl | Sn96.5Ag3.0Cu0.5 | 600g cartridge |
| 7006050810 | EM907 No-Clean, Type 3, 88.5% metal | Sn96.5Ag3.0Cu0.5 | 500g jar |
| 7006050811 | EM907 No-Clean, Type 3, 88.5% metal | Sn96.5Ag3.0Cu0.5 | 600g cartridge |
| 7006050819 | EM907 No-Clean, Type 3, 88.5% metal | Sn96.5Ag3.0Cu0.5 | 750g DEK cartridge |
| 7004030824 | EM828 Water-Soluble, Type 3, 89.5% metal | Sn96.5Ag3.0Cu0.5 | 700g DEK Cartridge |
| 7004030810 | EM828 Water-Soluble, Type 3, 89.5% metal | Sn96.5Ag3.0Cu0.5 | 500g jar |
| 7004030811 | EM828 Water-Soluble, Type 3, 89.5% metal | Sn96.5Ag3.0Cu0.5 | 600g cartridge |
| 7035050910 | NXG-33 Type 4, 88.5% metal | Sn96.5Ag3.0Cu0.5 | 500g jar |
| 7035050911 | NXG-33 Type 4, 88.5% metal | Sn96.5Ag3.0Cu0.5 | 600g cartridge |



| | No-Clean | | | | Water-Soluble | | | |
|--|--|-------------|--|-------------|---|-------------|--|-------------|
| Solder Paste for Stencil Printing Applications | | | | | | | | |
| Formula Type | Easy Profile® 256HA | | Easy Profile® 256 | | HydroMark 531 | | R562 | |
| Alloy | Sn63Pb37 | Sn62Pb36Ag2 | Sn63Pb37 | Sn62Pb36Ag2 | Sn63Pb37 | Sn62Pb36Ag2 | Sn63Pb37 | Sn62Pb36Ag2 |
| Product Characteristics | High activity no-clean paste specifically engineered to provide excellent solderability to lead free component and board finishes. Consistent print volume regardless of process parameters and Q201 application capable. Wide reflow process window. Compatible with enclosed print head systems. | | Standard no-clean paste for a wide variety of reflow profiles and printing conditions. Industry standard formula that performs well in a variety of applications. Compatible with enclosed print head systems. | | This highly-active, anti-slump paste is produced consistently so that every batch results in high yield manufacturing. HydroMark 531 also offers extremely robust printing, even with idle time up to 1 hour and print speeds of up to 6 in/sec. This very active formula is effective on a wide variety of metallizations, including palladium. Compatible with enclosed print head systems. | | Designed for maximum environmental robustness and minimal void production, R562 has a stencil life of over 8 hours and may be used in a wide range of humidities (10 - 85% RH). Compatible with enclosed print head systems. | |
| Residue Removal | Not normally required. | | Not normally required. | | Use de-ionized or soft tap water at 120-140° | | Use de-ionized or soft tap water at 120-140° | |
| Compliant Specifications | Telcordia Issue 1 GR-78-CORE, IPC/J-STD-004B Classification ROLO | | Telcordia Issue 1 GR-78-CORE, IPC/J-STD-004B Classification ROLO | | IPC/J-STD-004B Classification ORMO | | IPC/J-STD-004B Classification ORMO | |
| Powder Mesh Size | -325/+500 (Type 3) | | -325/+500 (Type 3) | | -325/+500 (Type 3) | | -325/+500 (Type 3) | |
| Metal % | 90% | | 90% | | 90% | | 90% | |
| Suggested Packaging Style | 500g jar, 600 or 750g DEK cartridges | | 500g jar, 600g, 1400g or 750g DEK cartridges | | 500g jar, 600g cartridges | | 500g jar, 600g, 1400g or 750g DEK cartridges | |
| Solder Paste for Syringe Dispensing Applications | | | | | | | | |
| Formula Type | R276 | | | | R500 | | | |
| Alloy | Sn63Pb37 | | | | Sn63Pb37 | | | |
| Product Characteristics | Provides optimal performance in all types of dispensing applications. R276 is packaged void-free to ensure consistent dispensing in high speed automated processes. Exhibits excellent dispensing characteristics with a wide range of needle diameters. | | | | The activator package in this formula is aggressive enough to remove tenacious oxide layers or solder to OSP coated boards. R500 delivers excellent wetting characteristics. | | | |
| Residue Removal | Not normally required. | | | | Use de-ionized or soft tap water at 49-60°C (120-140°F). | | | |
| Compliant Specifications | Telcordia Issue 1 GR-78-CORE, IPC/J-STD-004B Classification ROLO | | | | IPC/J-STD-004B Classification ORMO | | | |
| Powder Mesh Size | -325/+500 (Type 3) | | | | -325/+500 (Type 3) | | | |
| Metal % | 87% | | | | 86% | | | |
| Suggested Packaging Style | 35g and 100g syringes | | | | 35g syringes | | | |

*For lead based products, Kester produces solder powder in compliance to J-STD-006B for alloy purity and particle size distribution.



Solder Paste for Tin-lead



| Kester Part # | Description | Alloy | Packaging |
|---------------|---|-------------|--------------------|
| 7002020510 | Easy Profile® 256HA No-Clean, Type 3, 90% metal | Sn63Pb37 | 500g jar |
| 7002020310 | Easy Profile® 256HA No-Clean, Type 3, 90% metal | Sn62Pb36Ag2 | 500g jar |
| 7002020511 | Easy Profile® 256HA No-Clean, Type 3, 90% metal | Sn63Pb37 | 600g cartridge |
| 7002020311 | Easy Profile® 256HA No-Clean, Type 3, 90% metal | Sn62Pb36Ag2 | 600g cartridge |
| 7002020519 | Easy Profile® 256HA No-Clean, Type 3, 90% metal | Sn63Pb37 | 750g DEK cartridge |
| 7001020510 | Easy Profile® 256 No-Clean, Type 3, 90% metal | Sn63Pb37 | 500g jar |
| 7001020310 | Easy Profile® 256 No-Clean, Type 3, 90% metal | Sn62Pb36Ag2 | 500g jar |
| 7001020511 | Easy Profile® 256 No-Clean, Type 3, 90% metal | Sn63Pb37 | 600g cartridge |
| 7001020311 | Easy Profile® 256 No-Clean, Type 3, 90% metal | Sn62Pb36Ag2 | 600g cartridge |
| 7001020518 | Easy Profile® 256 No-Clean, Type 3, 90% metal | Sn63Pb37 | 750g DEK cartridge |
| 7010020510 | HydroMark 531 Water Soluble, Type 3, 90% metal | Sn63Pb37 | 500g jar |
| 7010020310 | HydroMark 531 Water Soluble, Type 3, 90% metal | Sn62Pb36Ag2 | 500g jar |
| 7010020511 | HydroMark 531 Water Soluble, Type 3, 90% metal | Sn63Pb37 | 600g cartridge |
| 7010020311 | HydroMark 531 Water Soluble, Type 3, 90% metal | Sn62Pb36Ag2 | 600g cartridge |
| 7021020510 | R562 Water Soluble, Type 3, 90% metal | Sn63Pb37 | 500g jar |
| 7021020310 | R562 Water Soluble, Type 3, 90% metal | Sn62Pb36Ag2 | 500g jar |
| 7021020511 | R562 Water Soluble, Type 3, 90% metal | Sn63Pb37 | 600g cartridge |
| 7021020311 | R562 Water Soluble, Type 3, 90% metal | Sn62Pb36Ag2 | 600g cartridge |
| 7021020519 | R562 Water Soluble, Type 3, 90% metal | Sn63Pb37 | 750g DEK cartridge |
| 7016070520 | R276 No-Clean, Type 3, 87% metal | Sn63Pb37 | 35g syringe |
| 7016070504 | R276 No-Clean, Type 3, 87% metal | Sn63Pb37 | 100g syringe |
| 7017080520 | R500 Water Soluble, Type 3, 86% metal | Sn63Pb37 | 35g syringe |



Lead-free wave and selective soldering systems require exposing the flux to slightly higher soldering temperatures. Lead-free alloys traditionally wet metal surfaces more slowly than tin-lead. Kester liquid fluxes for lead-free assembly have new activator packages to enable rapid wetting and hole-filling, ensuring reliable product output.

| *Formula | 985M | 959T | 2220-VF VOC-Free | 2235 |
|------------------|--|--|--|--|
| | No-Clean | No-Clean | Water-Soluble | Water-Soluble |
| Application | Spray or Wave Fluxer | Spray or Foam | Spray, Wave or Foam | Spray or Foam |
| Halide Content % | Halide - Free | Halide - Free | 1.6 | 1.6 |
| Specific Gravity | 0.805 | 0.794 | 1.060 | 0.856 |
| Solids % | 3.6 | 2.9 | 7 | 11 |
| Compliant | IPC/J-STD-004B Flux Designator ROLO | IPC/J-STD-004B Flux Designator ORLO | IPC/J-STD-004B Flux Designator ORH1 | IPC/J-STD-004B Flux Designator ORH1 |

| Kester Part # | Description | Packaging |
|---------------|--------------------------------|----------------|
| 63-0004-0985 | 985M No-Clean | 1 gallon |
| 64-0004-0985 | 985M No-Clean | 5 gallon |
| 65-0004-0985 | 985M No-Clean | 53 gallon drum |
| | | |
| 63-0020-0959 | 959T No-Clean | 1 gallon |
| 64-0020-0959 | 959T No-Clean | 5 gallon |
| 65-0020-0959 | 959T No-Clean | 53 gallon drum |
| | | |
| 63-0056-2220 | 2220-VF VOC-Free Water-Soluble | 1 gallon |
| 64-0056-2220 | 2220-VF VOC-Free Water-Soluble | 5 gallon |
| 65-0056-2220 | 2220-VF VOC-Free Water-Soluble | 53 gallon drum |
| | | |
| 63-0000-2235 | 2235 Water-Soluble | 1 gallon |
| 64-0000-2235 | 2235 Water-Soluble | 5 gallon |
| 65-0000-2235 | 2235 Water-Soluble | 53 gallon drum |

*These products are designed specifically for high performance lead-free applications.

| No-Clean Fluxes | | | | | |
|---|---|---|---|---|---|
| | Alcohol Based | | | VOC-Free | |
| Formula | 985M | 959T | 951 | 979 | 977 |
| Flux Type | Low Solids No-Clean | Low Solids No-Clean | Rosin-Free Low Solids, No Clean | VOC-Free No-Clean | VOC-Free No-Clean |
| Percent Solids | 3.6 | 2.9 | 2.0 | 4.2 | 3.25 |
| VOCs (g/liter) | 776 | 770 | 792 | 0 | 0 |
| Specific Gravity | 0.805 | 0.794 | 0.814 | 1.015 | 1.012 |
| Product Characteristics | Designed for the wave soldering applications and gives excellent hole fill on thick board assemblies. | Designed for the wave soldering of conventional and SMT board assemblies. Developed to minimize the formation of micro-solderballs. | Very low solids, rosin free, foam and spray application flux. Practically no residue after the soldering process. | Developed to reduce bottomsides micro-solder balling and bridging on glossy laminates and between connector pins. Designed as a spray flux, 979's activation system provides excellent wetting producing complete and consistent hole-fill. | Developed to reduce bottomsides micro-solder balling and bridging. The wetting system is designed to allow for a larger process window and can survive the longer dwell times in extremely turbulent chip waves. Designed for spray applications. |
| Compliant Specifications | Telcordia Issue 1 GR-78-CORE & IPC/J-STD-004B Flux designator ROL0 | Telcordia Issue 1 GR-78-CORE & IPC/J-STD-004B Flux designator ORLO | Telcordia Issue 1 GR-78-CORE & IPC/J-STD-004B Flux designator ORLO | Telcordia Issue 1 GR-78-CORE & IPC/J-STD-004B Flux designator ORLO | Telcordia Issue 1 GR-78-CORE & IPC/J-STD-004B Flux designator ORLO |
| Residue Removal (not normally required) | Wash with Kester's #5768 Bio-Kleen® saponifier at 2% concentration. | Wash with Kester's #5768 Bio-Kleen® saponifier at 2% concentration. | Wash with Kester's #5768 Bio-Kleen® saponifier at 2% concentration. | Wash with hot de-ionized water at 49-60°C (140-160°F) or use 1% solution of Kester's #5768 Bio-Kleen® | Wash with hot de-ionized water at 49-60°C (140-160°F) or use 1% solution of Kester's #5768 Bio-Kleen® |
| Thinner | 4662 | 4662 | 110 | De-ionized Water | De-ionized Water |
| Flux Test Kit | PS-20 | PS-22 | PS-22 | PS-20 | PS-20 |



| Kester Part # | Description | Packaging |
|---------------|-------------------------|----------------|
| 63-0000-0951 | 951 No-Clean | 1 gallon |
| 64-0000-0951 | 951 No-Clean | 5 gallon |
| 65-0000-0951 | 951 No-Clean | 53 gallon drum |
| 63-0004-0985 | 985M No-Clean | 1 gallon |
| 64-0004-0985 | 985M No-Clean | 5 gallon |
| 65-0020-0959 | 985M No-Clean | 53 gallon drum |
| 63-0020-0959 | 959T No-Clean | 1 gallon |
| 64-0020-0959 | 959T No-Clean | 5 gallon |
| 65-0020-0959 | 959T No-Clean | 53 gallon drum |
| 63-0000-0977 | 977 VOC - Free No Clean | 1 gallon |
| 64-0000-0977 | 977 VOC - Free No Clean | 5 gallon |
| 65-0000-0977 | 977 VOC - Free No Clean | 53 gallon drum |
| 63-0000-0979 | 979 VOC - Free No Clean | 1 gallon |
| 64-0000-0979 | 979 VOC - Free No Clean | 5 gallon |
| 65-0000-0979 | 979 VOC - Free No Clean | 53 gallon drum |

| Water-Soluble Fluxes | | | |
|--------------------------|---|--|--|
| Formula | 2331-ZX | 2235 | 2120 |
| Flux Type | Neutral pH Organic Water-Soluble | Organic Water-Soluble | Organic Water-Soluble |
| Percent Solids | 33 | 11 | 24 |
| VOCs (g/liter) | 729 | 763 | 670 |
| Specific Gravity | 0.899 ± 0.005 | 0.856 ± 0.005 | 0.862 ± 0.005 |
| Percent Halides | 2.2 | 1.5 | Halide-Free |
| Product Characteristics | Original pH neutral organic flux for automated wave and drag soldering processes. | Highly active flux for surface mount assemblies designed to help reduce skips on bottom side surface mount pads. | Highly active, organic flux designed for automated wave soldering applications. This halide-free formula produces bright, shiny joints and high ionic cleanliness after water cleaning |
| Compliant Specifications | IPC/J-STD-004 Flux designator ORH1 | IPC/J-STD-004 Flux designator ORH1 | IPC/J-STD-004 Flux designator ORH0 |
| Residue Removal | Residue removal is required. Use soft or de-ionized water at temperatures of 49-66°C (120-150°F). | Residue removal is required. Use soft or de-ionized water at temperatures of 49-66°C (120-150°F). | Residue removal is required. Use soft or de-ionized water at temperatures of 49-66°C (120-150°F). |
| Thinner | 4662 | 4662 | 4662 |

| Kester Part # | Description | Packaging |
|---------------|-----------------------|----------------|
| 63-0097-2331 | 2331-ZX Water-Soluble | 1 gallon |
| 64-0097-2331 | 2331-ZX Water-Soluble | 5 gallon |
| 65-0097-2331 | 2331-ZX Water-Soluble | 53 gallon drum |
| 63-0000-2235 | 2235 Water-Soluble | 1 gallon |
| 64-0000-2235 | 2235 Water-Soluble | 5 gallon |
| 65-0000-2235 | 2235 Water-Soluble | 53 gallon drum |
| 63-0000-2120 | 2120 Water-Soluble | 1 gallon |
| 65-0000-2120 | 2120 Water-Soluble | 53 gallon drum |



| Rosin Based Fluxes | | |
|--------------------------|---|---|
| Formula | 186 | 1544 |
| Flux Type | Rosin Mildly Activated (RMA) | Activated Rosin (RA) |
| Percent Solids | 36 | 50 |
| Specific Gravity | 0.879 ± 0.005 | 0.928 ± 0.005 |
| Percent Halides | 0.02 | 0.44 |
| Product Characteristics | Designed for high thermal stability and superior solderability. | Kester's active, Non-corrosive rosin type flux. Used on surfaces that are more difficult to solder. |
| Compliant Specifications | IPC/J-STD-004 Flux designator ROL0 | IPC/J-STD-004 Flux designator ROM1 |
| Residue Removal | Residue is non-corrosive, but may be removed with solvent or with Kester's 5768 Bio-Kleen® saponifier at 7-10% solution in de-ionized or soft water at temperatures of 49-60°C (120-140°F). | Residue is non-corrosive, but may be removed with solvent or with Kester's 5768 Bio-Kleen® saponifier at 7-10% solution in de-ionized or soft water at temperatures of 49-60°C (120-140°F). |
| Thinner | 120 | 104 |



| Kester Part # | Description | Packaging |
|---------------|-------------|----------------|
| 63-0000-0186 | 186 RMA | 1 gallon |
| 64-0000-0186 | 186 RMA | 5 gallon |
| 65-0000-0186 | 186 RMA | 53 gallon drum |
| 63-0000-1544 | 1544 RA | 1 gallon |
| 64-0000-1544 | 1544 RA | 5 gallon |
| 65-0000-1544 | 1544 RA | 53 gallon drum |

Kester Flux-Pen®

The Kester Flux-Pen® is a unique tool for rework and touch-up soldering. It allows controlled application of flux, eliminating the mess from flux bottles. Flux-Pens are ideally suited for typical hand-soldering applications. The five available formulas are listed below.

| Kester Part # | Description |
|---------------|---|
| 83-1004-0985 | 985M Low Solids No-Clean (20 pens/carton) |
| 83-1000-0951 | 951 Low Solids No-Clean (20 pens/carton) |
| 83-1018-0186 | 186-18 RMA No-Clean (20 pens/carton) |
| 83-1000-0186 | 186 RMA No-Clean (20 pens/carton) |
| 83-1097-2331 | 2331-ZX Neutral pH Water-Soluble (20 pens/carton) |
| 83-1020-0959 | 959T Low Solids No-Clean (20 pens/carton) |
| 83-1046-0952 | 952 D6 Low Solids No-Clean (20 pens/carton) |



Solder Wires for Lead-Free Assembly

| Formula | 275 | 48 | 331 |
|---------------------------|---|--|--|
| | No-Clean | Activated Rosin | Water-Soluble |
| Halide Percentage | <0.05% | 1.0% | 1.25% |
| Flux Content Availability | See Below | 66 core (3.3%) | 66 core (3.3%) |
| Compliant Specifications | Telcordia Issue 1 GR-78-CORE 7 IPC/J-STD-004 Flux Designator ROLO | IPC/J-STD-004 Flux Designator ROM1 | IPC/J-STD-004 Flux designator ORH1 |

"275" No-Clean Core 1 lb. with K100LD

| Part # | Alloy | Diameter | Core Size |
|--------------|--------|----------|-----------|
| 24-9574-7609 | K100LD | .015 | 66 |
| 24-9574-7610 | K100LD | .020 | 66 |
| 24-9574-7619 | K100LD | .025 | 66 |
| 24-9574-7618 | K100LD | .031 | 66 |
| 24-9574-7613 | K100LD | .050 | 66 |
| 24-9574-7615 | K100LD | .062 | 66 |

"48" Activated Rosin 1 lb. with K100LD

| Part # | Alloy | Diameter | Core Size |
|--------------|--------|----------|-----------|
| 24-9574-1401 | K100LD | .020 | 66 |
| 24-9574-1406 | K100LD | .025 | 66 |
| 24-9574-1402 | K100LD | .031 | 66 |
| 24-9574-1404 | K100LD | .050 | 66 |
| 24-9574-1400 | K100LD | .062 | 66 |

"331" Water-Soluble Core 1 lb. with K100LD

| Part # | Alloy | Diameter | Core Size |
|--------------|--------|----------|-----------|
| 24-9574-6401 | K100LD | .020 | 66 |
| 24-9574-6417 | K100LD | .025 | 66 |
| 24-9574-6403 | K100LD | .031 | 66 |
| 24-9574-6409 | K100LD | .050 | 66 |
| 24-9574-6411 | K100LD | .062 | 66 |



"275" No-Clean Core 1 lb. with SAC305

| Part # | Alloy | Diameter | Core Size |
|--------------|------------------|----------|-----------|
| 24-7068-7608 | Sn96.5Ag3.0Cu0.5 | .015 | 58 |
| 24-7068-7603 | Sn96.5Ag3.0Cu0.5 | .020 | 58 |
| 24-7068-7617 | Sn96.5Ag3.0Cu0.5 | .025 | 58 |
| 24-7068-7601 | Sn96.5Ag3.0Cu0.5 | .031 | 58 |
| 24-7068-7606 | Sn96.5Ag3.0Cu0.5 | .050 | 58 |
| 24-7068-7607 | Sn96.5Ag3.0Cu0.5 | .062 | 58 |
| 24-7068-7609 | Sn96.5Ag3.0Cu0.5 | .015 | 66 |

"48" Activated Rosin 1 lb. with SAC305

| Part # | Alloy | Diameter | Core Size |
|--------------|------------------|----------|-----------|
| 24-7068-1407 | Sn96.5Ag3.0Cu0.5 | .015 | 66 |
| 24-7068-1401 | Sn96.5Ag3.0Cu0.5 | .020 | 66 |
| 24-7068-1406 | Sn96.5Ag3.0Cu0.5 | .025 | 66 |
| 24-7068-1402 | Sn96.5Ag3.0Cu0.5 | .031 | 66 |
| 24-7068-1404 | Sn96.5Ag3.0Cu0.5 | .050 | 66 |
| 24-7068-1400 | Sn96.5Ag3.0Cu0.5 | .062 | 66 |

"331" Water-Soluble Core 1 lb. with SAC305

| Part # | Alloy | Diameter | Core Size |
|--------------|------------------|----------|-----------|
| 24-7068-6422 | Sn96.5Ag3.0Cu0.5 | .015 | 66 |
| 24-7068-6401 | Sn96.5Ag3.0Cu0.5 | .020 | 66 |
| 24-7068-6417 | Sn96.5Ag3.0Cu0.5 | .025 | 66 |
| 24-7068-6403 | Sn96.5Ag3.0Cu0.5 | .031 | 66 |
| 24-7068-6409 | Sn96.5Ag3.0Cu0.5 | .050 | 66 |
| 24-7068-6411 | Sn96.5Ag3.0Cu0.5 | .062 | 66 |



"245" No-Clean

"245" is a halide-free; rosin based no-clean core flux that provides excellent wetting combined with optimal reliability and cosmetics. "245" is compliant to Bellcore GR-78-CORE and is classified as ROLO per J-STD-004B.



"245" No-Clean Core 1 lb.

| Part # | Alloy | Diameter | Core Size |
|--------------|----------|----------|-----------|
| 24-6337-8806 | Sn63Pb37 | .015 | 50 |
| 24-6337-8807 | Sn63Pb37 | .020 | 50 |
| 24-6337-8834 | Sn63Pb37 | .020 | 58 |
| 24-6337-8809 | Sn63Pb37 | .025 | 50 |
| 24-6337-8800 | Sn63Pb37 | .031 | 50 |
| 24-6337-8801 | Sn63Pb37 | .031 | 58 |
| 24-6337-8802 | Sn63Pb37 | .031 | 66 |
| 24-6337-8813 | Sn63Pb37 | .040 | 50 |
| 24-6337-8814 | Sn63Pb37 | .050 | 50 |
| 24-6337-8817 | Sn63Pb37 | .062 | 50 |



"275" No-Clean

"275" provides superior wetting performance leaving an extremely clear post-soldering residue. "275" is designed to be a low splattering core flux. "275" is classified as ROLO per J-STD-004B.

"275" No-Clean Core 1 lb.

| Part # | Alloy | Diameter | Core Size |
|--------------|----------|----------|-----------|
| 24-6337-7604 | Sn63Pb37 | .015 | 50 |
| 24-6337-7602 | Sn63Pb37 | .020 | 50 |
| 24-6337-7616 | Sn63Pb37 | .025 | 50 |
| 24-6337-7600 | Sn63Pb37 | .031 | 50 |
| 24-6337-7612 | Sn63Pb37 | .050 | 50 |
| 24-6337-7614 | Sn63Pb37 | .062 | 50 |



"331" Water Soluble

"331" is a high-activity water-soluble coreflux for soldering difficult metals. "331" is designed for optimal cleanability, along with minimal smoke and odor. The residues from "331" must be removed. "331" is classified as ORH1 per J-STD-004B.

"331" Water-Soluble Core 1 lb.

| Part # | Alloy | Diameter | Core Size |
|--------------|----------|----------|-----------|
| 24-6337-6422 | Sn63Pb37 | .015 | 66 |
| 24-6337-6401 | Sn63Pb37 | .020 | 66 |
| 24-6337-6417 | Sn63Pb37 | .025 | 66 |
| 24-6337-6403 | Sn63Pb37 | .031 | 66 |
| 24-6337-6411 | Sn63Pb37 | .062 | 66 |

"285" RMA

"285" is an RMA based core flux that provides wetting action comparable to that of typical RA fluxes. Although "285" is an RMA-based material, the residues are non-corrosive if not cleaned. "285" is categorized as ROLO per J-STD-004B.

"285" RMA Core 1 lb.

| Part # | Alloy | Diameter | Core Size |
|--------------|----------|----------|-----------|
| 24-6337-9703 | Sn63Pb37 | .015 | 66 |
| 24-6337-9702 | Sn63Pb37 | .020 | 66 |
| 24-6337-9718 | Sn63Pb37 | .025 | 66 |
| 24-6337-9710 | Sn63Pb37 | .031 | 66 |
| 24-6337-9713 | Sn63Pb37 | .031 | 58 |

Kester Solid Wire

Kester's solid wire solder, without flux core, is manufactured to strict quality control standards. Conforming to IPC/J-STD-006B

Solid Wire 1 lb.

| Part # | Alloy | Diameter |
|--------------|----------|----------|
| 14-6337-0015 | Sn63Pb37 | .015 |
| 14-6337-0031 | Sn63Pb37 | .031 |
| 14-6337-0062 | Sn63Pb37 | .062 |
| 14-6337-0125 | Sn63Pb37 | .125 |
| 14-6040-0062 | Sn60Pb40 | .062 |
| 14-6040-0125 | Sn60Pb40 | .125 |

Solid Wire 5 lbs.

| Part # | Alloy | Diameter |
|--------------|----------|----------|
| 16-6337-0062 | Sn63Pb37 | .062 |
| 16-6337-0125 | Sn63Pb37 | .125 |
| 16-6040-0062 | Sn60Pb40 | .062 |
| 16-6040-0125 | Sn60Pb40 | .125 |

Kester "44"®

Rosin "44"® is a high activity RA core flux designed for excellent instant wetting action, even on Nickel surfaces. Although "44"® is a RA-based material, the residues are non-corrosive if not cleaned. Per J-STD-004B, "44"® is classified as ROM1 flux.

"44"® RA Core 1 lb.

| Part # | Alloy | Diameter | Core Size |
|--------------|----------|----------|-----------|
| 24-6337-0007 | Sn63Pb37 | .015 | 66 |
| 24-6337-0010 | Sn63Pb37 | .020 | 66 |
| 24-6337-0018 | Sn63Pb37 | .025 | 66 |
| 24-6337-0027 | Sn63Pb37 | .031 | 66 |
| 24-6337-0039 | Sn63Pb37 | .040 | 66 |
| 24-6337-0053 | Sn63Pb37 | .050 | 66 |
| 24-6337-0061 | Sn63Pb37 | .062 | 66 |
| 24-6040-0010 | Sn60Pb40 | .020 | 66 |
| 24-6040-0018 | Sn60Pb40 | .025 | 66 |
| 24-6040-0027 | Sn60Pb40 | .031 | 66 |
| 24-6040-0039 | Sn60Pb40 | .040 | 66 |
| 24-6040-0053 | Sn60Pb40 | .050 | 66 |
| 24-6040-0061 | Sn60Pb40 | .062 | 66 |
| 24-6040-0066 | Sn60Pb40 | .093 | 66 |

Diminish the

5D's

Dissolution. Dullness. Defects. Dross. Dollars.



K100LD LEAD-FREE ALLOY

Bar & Wire Solder

Ultrapure® K100LD Lead-Free Solder Bar

K100LD is a new patent-pending low-cost lead-free solder alloy for use in wave soldering, selective soldering, and tip tinning operations. K100LD has the Lowest Copper Dissolution amongst all common solder alloys, including SN63, SAC305, and other lead-free options. Kester K100LD provides the lowest cost for wave soldering operations. It also provides solder joints with no shrinkage effects, excellent through-hole penetration and topside fillet, and provides a low dross rate.

| Kester Part # | Alloy | Each Bar | Sold As |
|---------------|------------------|------------|---------|
| 04-9574-0050 | K100LD | 1 2/3 lbs. | 25 lbs. |
| 04-7068-0000 | Sn96.5Ag3.0Cu0.5 | 1 2/3 lbs. | 25 lbs. |

| Common Lead-Free Alloys | | |
|-------------------------|------------------|---------------------|
| *Alloys | Melt Temperature | Application |
| K100LD | ~227°C/441°F | Wave/Hand Soldering |
| Sn96.5Ag3.0Cu0.5 | 217°C/423°F | SMT/Hand/Wave |
| Sn96.5Ag3.5 | 221°C/430°F | SMT/Hand Soldering |

* These are the most common lead-free alloys used in the industry. Kester can also produce a multitude of lead-free alloys as specified by individual requirements.

Kester ULTRAPURE®

Manufactured by a special process that controls the inclusions of oxides and metallic and non-metallic impurities, Kester Ultrapure® is the industry standard bar solder for use in high tech electronic applications where lower surface tension and hole filling ability are essential. The purity of Kester Ultrapure® meets the requirements of IPC/J-STD-006B.

| Kester Part # | Alloy | Each Bar | Sold As |
|---------------|----------|------------|---------|
| 04-6337-0050 | Sn63Pb37 | 1 2/3 lbs. | 25 lbs. |
| 04-6040-0050 | Sn60Pb40 | 1 2/3 lbs. | 25 lbs. |

Kester Ultra Low Dross

This bar solder is manufactured using the Ultrapure® process and containing the same metal purity as Kester Ultrapure®. Kester Ultra Low Dross is formulated with a special low dross additive that dramatically decreases dross formation on the solder pot.

| Kester Part # | Alloy | Each Bar | Sold As |
|---------------|----------|------------|---------|
| 04-6337-0030 | Sn63Pb37 | 1 2/3 lbs. | 25 lbs. |



Kester Flo-Bar

Flo-Bar is an extruded 8.5 or 10 lb. bar manufactured specifically for situations where a larger size is more conveniently managed on certain automatic solder feeding systems. Flo-Bar is available in Ultrapure® and Ultra Low Dross grade solder.

| Kester Part # | Alloy | Each Bar | Sold As |
|---------------|--------------------------|----------|-----------|
| 07-6337-0050 | Ultrapure® Sn63Pb37 | 10 lbs. | 50 lbs. |
| 07-6337-1930 | Ultra Low Dross Sn63Pb37 | 8.5 lbs. | 42.5 lbs. |
| 07-6337-0030 | Ultra Low Dross Sn63Pb37 | 10 lbs. | 50 lbs. |



Kester Solder Analysis Program

Kester's Solder Analysis Program is a prepaid method for rapid response solder sample analysis. It allows customers to document solder pot impurities for conformance to Federal Specifications or ISO quality requirements.

Option C: This option includes monitoring tin, antimony, copper, gold, lead, cadmium, aluminum, zinc, iron, arsenic, bismuth, silver, and nickel.

| Kester Part # | Description |
|---------------|-------------|
| 53-0000-0041 | Option C |



#5744 Solder Saver®

A chloride-free, inorganic white powder formulated to remove dross, which is the oxide of solder, from still solder pots and wave soldering machines. It does not decompose to sticky residues that are harder to remove than the original dross. The product is low fuming and is stable at molten solder temperatures.

| Kester Part # | Description |
|---------------|--------------------------|
| 56-0005-5744 | 5744 Solder Saver 5 lb. |
| 56-0025-5744 | 5744 Solder Saver 25 lb. |



Kester Rework Fluxes

Kester's two rework formulas are specifically formulated for PCB rework operations. Kester's No-Clean RF-741 and Water Soluble RF-771 rework fluxes are all that's needed to handle any surface mount or through-hole rework applications. Available only in 30 gram syringe packaging.

| Kester Part # | Description | Packaging |
|---------------|----------------------|-------------|
| 7025010003 | RF-741 No-Clean | 30g syringe |
| 7026010003 | RF-771 Water-Soluble | 30g syringe |

Kester Flux Thinners

Selecting the correct thinner for reducing solids or replacing evaporated solvent will result in maximum efficiency of the flux. To select at thinner, find the flux you are using from the chart below:

| Thinner | Use with Soldering Flux |
|---------|--|
| 104 | 1544 Activated Rosin Flux |
| 110 | 951 No-Clean Flux |
| 120 | 186 Series Rosin Mildly Activated Flux |
| 4662 | 2331-ZX Organic Water-Soluble Flux 2235 Organic Water-Soluble Flux 2120 Organic Water-Soluble Flux 959 No-Clean Flux 958 No-Clean Flux |

| Kester Part # | Description | Packaging |
|---------------|-------------------|----------------|
| 63-0000-0104 | 104 Flux Thinner | 1 gallon |
| 65-0000-0104 | 104 Flux Thinner | 53 gallon drum |
| 63-0000-0110 | 110 Flux Thinner | 1 gallon |
| 64-0000-0110 | 110 Flux Thinner | 5 gallon |
| 65-0000-0110 | 110 Flux Thinner | 53 gallon drum |
| 63-0000-0120 | 120 Flux Thinner | 1 gallon |
| 64-0000-0120 | 120 Flux Thinner | 5 gallon |
| 65-0000-0120 | 120 Flux Thinner | 53 gallon drum |
| 63-0000-4662 | 4662 Flux Thinner | 1 gallon |
| 64-0000-4662 | 4662 Flux Thinner | 5 gallon |
| 65-0000-4662 | 4662 Flux Thinner | 53 gallon drum |

Kester Flux Test Kits

Control of the flux concentration in the flux becomes more critical when using a low solids flux. The accuracy problems encountered with automatic specific gravity controllers in conjunction with low-solids "no-clean" fluxes make the flux kit a better alternative for process control. Good control is necessary to assure a consistent amount of flux is applied to the circuit boards, consistent soldering results are obtained, and the least amount of flux residue remains after soldering. Kester PS-20 and PS-22 flux kits provide a simple method for process control.

| Flux Test Kit | Use with Soldering Flux |
|---------------|--|
| PS-20 | 959 No-Clean Flux 985M No-Clean Flux 958 No-Clean Flux 979 VOC-Free No-Clean Flux 977 VOC-Free No-Clean Flux |
| PS-22 | 951 No-Clean Flux 959T No-Clean Flux |



| Kester Part # | Description |
|---------------|---------------------|
| 53-0000-0200 | PS-20 Flux Test Kit |
| 53-0000-0220 | PS-22 Flux Test Kit |

Kester Tacky Soldering Fluxes

Kester's TSFs are the industry standard for attachment of spheres to BGA and μ BGA packages. The TSFs are also used in electronics assembly operations to solder flip chip components to PWB substrates. Kester's TSF portfolio includes a complete line of no clean and water-soluble products capable of being screen and stencil printed, dot dispensed, or thin film transfer processed.

TSF-6592LV Lead-Free No-Clean

(For Screen Printing/Stencil Printing/Pin Transfer)

TSF-6592LV is compatible with lead and lead-free solder alloys such as SnAg, SnCu, SnAgCu, SnAgBi, and can be reflowed in nitrogen or air with peak temperatures up to 270°C. The residues are clear, non-conductive, and non-corrosive.



| Kester Part # | Description | Packaging |
|---------------|---------------------|----------------|
| 300303 | TSF-6592LV No-Clean | 30g syringe |
| 300304 | TSF-6592LV No-Clean | 100g jar |
| 300305 | TSF-6592LV No-Clean | 150g cartridge |

TSF-6502 No-Clean

(Lower Viscosity for Screen Printing/Thin Film Deposition)

TSF-6502 is a no-clean tacky soldering flux formula designed for BGA/CSP/PGA screen printing, sphere/pin processing or for repair and reballing/repinning. It possesses a high activity level, allowing it to solder nickel surfaces. The robust wetting action of the TSF-6502 will allow OSP treated copper, as well as heavily oxidized copper, surfaces to exhibit good soldering properties, even after 2 or 3 thermal cycles. TSF-6502 is designed for a wide range of temperature and humidity conditions.

| Kester Part # | Description | Packaging |
|---------------|-------------------|----------------|
| 300103 | TSF-6502 No-Clean | 30g syringe |
| 300104 | TSF-6502 No-Clean | 100g jar |
| 300105 | TSF-6502 No-Clean | 150g cartridge |

TSF-6852 Lead-Free Water Soluble (For Screen or Stencil Printing)

TSF-6850 is an aggressive synthetic flux with residues that are easily and completely cleaned with water temperatures ranging from 20-65°C yielding bright, shiny joints. TSF-6852 is a drop-in solution for solder alloys that will have a liquidus up to 300°C. TSF-6852 also has a 6 month shelf life when stored between 0-25°C (refrigerated or room temperature).



| Kester Part # | Description | Packaging |
|---------------|------------------------|----------------|
| 300203 | TSF-6852 Water-Soluble | 30g syringe |
| 300204 | TSF-6852 Water-Soluble | 100g jar |
| 300206 | TSF-6852 Water-Soluble | 165g cartridge |





Kester Solderforms®

Kester Solderforms® are stamped, extruded, compacted or formed pieces of pure soft solder alloys manufactured with strict known tolerances to customer specifications.

Solderforms® may be produced as flux cored, solid metal, and with or without a flux coating.

Fluxes available are no-clean, water soluble, RMA, and RA chemistries. External dyes are also available for identification or to aid in determining the solder melt point.



| Solderform® | | Minimum (mm) | Maximum (mm) |
|-------------|------------------|---|--------------|
| Ribbons | Width | 0.50 ± 0.13 | 76.20 ± 0.75 |
| | Thickness | 0.0762 ± 0.03 | 3.18 ± 0.13 |
| Cut-Offs | Width | 0.50 ± 0.13 | 76.20 ± 0.75 |
| | Thickness | 0.0762 ± 0.03 | 3.18 ± 0.13 |
| | Length | 0.762 ± 0.25 | 500 ± 1.25 |
| Washers | Outside Diameter | 0.889 ± 0.05 | 63.5 ± 0.13 |
| | Inside Diameter | 0.38 ± 0.05 | 58.42 ± 0.13 |
| | Thickness | 0.0762 ± 0.03 | 6.35 ± 0.25 |
| Discs | Outside Diameter | 0.41 ± 0.05 | 65 ± 0.05 |
| | Thickness | 0.0762 ± 0.03 | 6.35 ± 0.25 |
| Pellets | Diameter | 0.254 ± 0.03 | 12.7 ± 0.13 |
| | Length | 0.50 ± 0.13 | 152.4 ± 0.76 |
| Stampings | Description | Stampings use special dies that are customer specific and require a customer's engineering drawing and specification. | |

**Table 1
Metal Solderability Chart**

| Category | If trying to solder to this metal surface: | Solder Paste and Tacky Soldering Fluxes | Liquid Fluxes and Flux-Pen® Formulas | Cored Wire |
|----------|---|--|--|---|
| 1 | Platinum, Gold, Copper, Tin, Solder, Silver | All products can solder these metal surfaces. | All products can solder these metal surfaces. | All products can solder these metal surfaces. |
| 2 | Nickel, Cadmium, Brass, Lead, Bronze, Rhodium, Beryllium Copper, Palladium, Immersion Tin, Immersion Silver | EnviroMark™ 907, EnviroMark™ 828 Easy Profile® 256 & 256HA HydroMark 531, TSF 6592LV, TSF 6800 Series | 186, 1544, 2120, 2331-ZX, 2235, 2224-25, 2222, 2220-VF | 44, 48, 331, OR-421 |
| 3 | Nickel-Iron, Kovar | Base metal must be plated. | 2222, 2220-VF | 48, 331, OR-421 |
| 4 | Zinc, Mild Steel, Chromium, Inconel, Monel, Stainless Steel | Base metal must be plated. | Call Kester's Customer Service Department | 48 |

EXAMPLE 1: When soldering Beryllium Copper to Tin, you could use any of the products listed in Category 2, 3, or 4 since Beryllium Copper requires more active products than Tin.

EXAMPLE 2: If you were soldering Solder coated leads to a Copper surface, you could use any of Kester's products (Category 1, 2, 3, or 4).

ALLOY TEMPERATURE CHART: SOLDER ALLOYS AND AVAILABLE FORMS

| ALLOY: TIN-LEAD | MELTING RANGE °F/°C | WIRE | BAR | SOLDERPASTE | PREFORMS |
|------------------|---------------------|------|-----|-------------|----------|
| Sn63Pb37 | 361/183 | X | X | X | X |
| Sn60Pb40 | 361-374/183-190 | X | X | | X |
| Sn50Pb50 | 361-420/183-214 | X | X | | X |
| Sn40Pb60 | 361-460/183-238 | X | X | | X |
| Sn30Pb70 | 361-496/183-258 | X | X | | X |
| No. 123 | 366-503/186-262 | | X | | |
| Sn05Pb95 | 574-597/301-314 | X | X | | X |
| LEAD-FREE | MELTING RANGE °F/°C | WIRE | BAR | SOLDERPASTE | PREFORMS |
| Sn96.5Ag3.5 | 430/221 | X | X | | X |
| Sn96Ag04 | 430-444/221-229 | X | X | | X |
| Sn95Ag05 | 430-473/221-245 | X | X | | X |
| 100%Sn | 450/232 | X | X | | X |
| Sn95Sb05 | 450-464/232-240 | X | X | | X |
| Sn99.3Cu0.7 | 440/227 | X | X | | X |
| Sn96.5Ag3.0Cu0.5 | 422-428/217-220 | X | X | X | X |
| K100LD | 440/227 | X | X | | X |
| SAF-A-LLOY | 428-454/219-235 | X | X | | X |
| OTHER ALLOYS | MELTING RANGE °F/°C | WIRE | BAR | SOLDERPASTE | PREFORMS |
| Sn62Pb36Ag02 | 354-372/179-189 | X | X | X | X |
| Sn10Pb88Ag02 | 514-570/268-299 | X | X | | X |
| Sn05Pb93.5Ag1.5 | 565-574/296-301 | X | X | | X |

WEIGHTS AND MEASURES COMMON CONVERSIONS

| To Change | To | Multiply By: |
|--|--------------|--------------|
| Gallons (US) | Liters | 3.7853 |
| Quarts (liquid) | Liters | 0.9463 |
| Pounds (avdp.) | Grams | 453.592 |
| Pounds (avdp.) | Kilograms | 0.4536 |
| Pounds (avdp.) | Ounce (troy) | 14.5833 |
| Ounces (avdp.) | Grams | 28.3495 |
| Celsius = 5/9 (F-32) Fahrenheit = 9/5 (C) + 32 | | |

FORMULA FOR ADDING TIN TO TIN-LEAD SOLDER POTS

Tin can be added to solder to replace tin lost by oxidation. The pot temperature should be at least 460°F. Tin bars should be added slowly and the solder should be mixed well.

EXAMPLE

$$T = \frac{W(A - B)}{(100 - A)} = \frac{900(63 - 61.6)}{(100 - 63)} = \frac{1260}{37} = 34 \text{ lbs. of Tin to add}$$

T = Pounds of Tin to add W = Pounds of solder on pot
A = Percentage of Tin desired B = Percentage of Tin in pot

Please visit www.kester.com and click on Lead-Free Solutions™ for a worksheet to balance Lead-Free alloy systems.

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Kester Vision Statement

Smart Products.
Great Service.
No Boundaries.

Kester will be the leading global supplier of high performance interconnecting materials and related services for the electronic assembly and component assembly markets.

To achieve this we will focus on customer-driven innovation and exceptional service worldwide.

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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