

## Solder Wire Sn63/Pb37 No-Clean with 2.2% Flux Core 2oz Spool

### Product Highlights

#### No-Clean Water-Washable Synthetic Flux Core

The clear, non-corrosive, non-conductive residue is meant to be left on the board. Residues that do remain are water soluble if you want to remove them. Clean with hot water at 60°C (140°F) minimum.

2.2% flux core

Halogen content: None

### Specifications

|                      |                                   |
|----------------------|-----------------------------------|
| Alloy:               | Sn63/Pb37                         |
| Wire Diameter:       | 0.031" (0.8mm)                    |
| Flux Type:           | No-Clean Water-Washable Synthetic |
| Flux Classification: | REL0                              |
| Melting Point:       | 183°C (361°F)                     |
| Packaging:           | 2 oz spool                        |
| Shelf Life:          | >60 months                        |

### Test Results

| Test J-STD-004 or other requirements as stated         | Test Requirement                                   | Result   |
|--|--|--|
| Copper Mirror  | IPC-TM-650: 2.3.32                                 | L: No breakthrough   |
| Corrosion  | IPC-TM-650: 2.6.15                                 | L: No corrosion  |
| Quantitative Halides                                   | IPC-TM-650: 2.3.28.1                               | L: <0.05%  |
| Electrochemical Migration                              | IPC-TM-650: 2.6.14.1                               | L: <1 decade drop (No-clean)                               |
| Surface Insulation Resistance 85°C, 85% RH @ 168 Hours | IPC-TM-650: 2.6.3.7                                | L: ≥100MΩ (No-clean)                                       |
| Visual   | IPC-TM-650: 3.4.2.5                                | Clear and free from precipitation                          |
| Conflict Minerals Compliance                           | Electronic Industry Citizenship Coalition (EICC)   | Compliant  |
| REACH Compliance                                       | Articles 33 and 67 of Regulation (EC) No 1907/2006 | Contains Lead (Pb) CAS# 7439-92-1<br>No other SVHC present |

### Conforms to the following Industry Standards:

|   |     |
|---|-----|
| J-STD-004B, Amendment 1 (Solder Fluxes):                                    | Yes |
| J-STD-006C, Amendments 1 & 2 (Solder Alloys and Fluxed/Non-Fluxed Solders): | Yes |
| RoHS 3 Directive (EU) 2015/863:   | No  |

**ChipQuik® Solder Wire Orderable Part Numbers:**

| Flux Core   | Alloy         | Melting Point         | Diameter       | Size          | Orderable Part Number |                 |
|---|---------------|-----------------------|----------------|---------------|-----------------------|-----------------|
| No-Clean Water-Washable Synthetic Flux Core 2.2%<br><br>(Except .006" and .008" diameter wire which are 1.2%) | Sn63/Pb37     | 183°C (361°F)         | .015" (0.38mm) | 100g (3.5oz)  | SMDSW.015 100g        |                 |
|   |               |                       |                | 0.4 oz        | SMDSW.020 .4OZ        |                 |
|   |               |                       | .020" (0.5mm)  | 1 oz          | SMDSW.020 1OZ         |                 |
|   |               |                       |                | 2 oz          | SMDSW.020 2OZ         |                 |
|   |               |                       |                | 4 oz          | SMDSW.020 4OZ         |                 |
|   |               |                       |                | 1/2 lb        | SMDSW.020 8OZ         |                 |
|   |               |                       |                | 1 lb          | SMDSW.020 1LB         |                 |
|   |               |                       |                | .031" (0.8mm) | 0.7 oz                | SMDSW.031 .7OZ  |
|   |               |                       | 1 oz           |               | SMDSW.031 1OZ         |                 |
|   |               |                       | 2 oz           |               | SMDSW.031 2OZ         |                 |
|   |               |                       | 4 oz           |               | SMDSW.031 4OZ         |                 |
|   |               |                       | 1/2 lb         |               | SMDSW.031 8OZ         |                 |
|   | 1 lb          | SMDSW.031 1LB         |                |               |                       |                 |
|   | Sn60/Pb40     | 183-188°C (361-370°F) | .015" (0.38mm) | 100g (3.5oz)  | SMD2SW.015 100g       |                 |
|   |               |                       |                | 0.4 oz        | SMD2SW.020 .4OZ       |                 |
|   |               |                       | .020" (0.5mm)  | 1 oz          | SMD2SW.020 1OZ        |                 |
|   |               |                       |                | 2 oz          | SMD2SW.020 2OZ        |                 |
|   |               |                       |                | 4 oz          | SMD2SW.020 4OZ        |                 |
|   |               |                       |                | 1/2 lb        | SMD2SW.020 8OZ        |                 |
|   |               |                       |                | 1 lb          | SMD2SW.020 1LB        |                 |
|   |               |                       |                | .031" (0.8mm) | 0.7 oz                | SMD2SW.031 .7OZ |
|   |               |                       | 1 oz           |               | SMD2SW.031 1OZ        |                 |
|   |               |                       | 2 oz           |               | SMD2SW.031 2OZ        |                 |
|   |               |                       | 4 oz           |               | SMD2SW.031 4OZ        |                 |
|   |               |                       | 1/2 lb         |               | SMD2SW.031 8OZ        |                 |
|   |               |                       | 1 lb           |               | SMD2SW.031 1LB        |                 |
|   |               |                       | Sn62/Pb36/Ag2  | 179°C (354°F) | .015" (0.38mm)        | 100g (3.5oz)    |
| 0.4 oz  |               |                       |                |               |                       | SMD3SW.020 .4OZ |
| .020" (0.5mm)   | 1 oz          | SMD3SW.020 1OZ        |                |               |                       |                 |
|   | 2 oz          | SMD3SW.020 2OZ        |                |               |                       |                 |
|   | 4 oz          | SMD3SW.020 4OZ        |                |               |                       |                 |
|   | 1/2 lb        | SMD3SW.020 8OZ        |                |               |                       |                 |
|   | 1 lb          | SMD3SW.020 1LB        |                |               |                       |                 |
|   | .031" (0.8mm) | 0.7 oz                |                |               | SMD3SW.031 .7OZ       |                 |
| 1 oz  |               | SMD3SW.031 1OZ        |                |               |                       |                 |
| 2 oz  |               | SMD3SW.031 2OZ        |                |               |                       |                 |
| 4 oz  |               | SMD3SW.031 4OZ        |                |               |                       |                 |
| 1/2 lb  |               | SMD3SW.031 8OZ        |                |               |                       |                 |
| 1 lb  |               | SMD3SW.031 1LB        |                |               |                       |                 |

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**ChipQuik® Solder Wire Orderable Part Numbers:**

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| Flux Core   | Alloy              | Melting Point         | Diameter         | Size              | Orderable Part Number |
|---|--------------------|-----------------------|------------------|-------------------|-----------------------|
| No-Clean Water-Washable Synthetic Flux Core 2.2%<br><br>(Except .006" and .008" diameter wire which are 1.2%) | Sn96.5/Ag3.0/Cu0.5 | 217-220°C (423-428°F) | .006" (0.15mm)   | 50g (1.8oz)       | SMDSWLF.006 50g       |
|   |                    |                       | .008" (0.20mm)   | 50g (1.8oz)       | SMDSWLF.008 50g       |
|   |                    |                       | .015" (0.38mm)   | 0.3 oz            | SMDSWLF.015 .3OZ      |
|   |                    |                       |                  | 1 oz              | SMDSWLF.015 1OZ       |
|   |                    |                       |                  | 2 oz              | SMDSWLF.015 2OZ       |
|   |                    |                       |                  | 4 oz              | SMDSWLF.015 4OZ       |
|   |                    |                       |                  | 1/2 lb            | SMDSWLF.015 8OZ       |
|   |                    |                       |                  | 1 lb              | SMDSWLF.015 1LB       |
|   |                    |                       | .020" (0.5mm)    | 0.4 oz            | SMDSWLF.020 .4OZ      |
|   |                    |                       |                  | 1 oz              | SMDSWLF.020 1OZ       |
|   |                    |                       |                  | 2 oz              | SMDSWLF.020 2OZ       |
|   |                    |                       |                  | 4 oz              | SMDSWLF.020 4OZ       |
|   |                    |                       |                  | 1/2 lb            | SMDSWLF.020 8OZ       |
|   |                    |                       |                  | 1 lb              | SMDSWLF.020 1LB       |
|   |                    |                       | .031" (0.8mm)    | 0.7 oz            | SMDSWLF.031 .7OZ      |
|   | 1 oz               | SMDSWLF.031 1OZ       |                  |                   |                       |
|   | 2 oz               | SMDSWLF.031 2OZ       |                  |                   |                       |
|   | 4 oz               | SMDSWLF.031 4OZ       |                  |                   |                       |
|   | 1/2 lb             | SMDSWLF.031 8OZ       |                  |                   |                       |
|   | 1 lb               | SMDSWLF.031 1LB       |                  |                   |                       |
|   | Sn99.3/Cu0.7       | 227°C (441°F)         | .012" (0.3mm)    | 100g (3.5oz)      | SMD2SWLF.012 100g     |
|   |                    |                       | .015" (0.38mm)   | 0.3 oz            | SMD2SWLF.015 .3OZ     |
|   |                    |                       |                  | 1 oz              | SMD2SWLF.015 1OZ      |
|   |                    |                       |                  | 2 oz              | SMD2SWLF.015 2OZ      |
|   |                    |                       |                  | 4 oz              | SMD2SWLF.015 4OZ      |
|   |                    |                       |                  | 1/2 lb            | SMD2SWLF.015 8OZ      |
|   |                    |                       |                  | 1 lb              | SMD2SWLF.015 1LB      |
| .020" (0.5mm)   |                    |                       | 0.4 oz           | SMD2SWLF.020 .4OZ |                       |
|   |                    |                       | 1 oz             | SMD2SWLF.020 1OZ  |                       |
|   |                    |                       | 2 oz             | SMD2SWLF.020 2OZ  |                       |
|   |                    |                       | 4 oz             | SMD2SWLF.020 4OZ  |                       |
|   |                    |                       | 1/2 lb           | SMD2SWLF.020 8OZ  |                       |
| 1 lb  |                    |                       | SMD2SWLF.020 1LB |                   |                       |
| .031" (0.8mm)   |                    |                       | 0.7 oz           | SMD2SWLF.031 .7OZ |                       |
|   |                    |                       | 1 oz             | SMD2SWLF.031 1OZ  |                       |
|   | 2 oz               | SMD2SWLF.031 2OZ      |                  |                   |                       |
|   | 4 oz               | SMD2SWLF.031 4OZ      |                  |                   |                       |
|   | 1/2 lb             | SMD2SWLF.031 8OZ      |                  |                   |                       |
| 1 lb  | SMD2SWLF.031 1LB   |                       |                  |                   |                       |
| Solid Wire (No Flux)  | Sn42/Bi57/Ag1      | 138°C (281°F)         | .030" (0.762mm)  | 32 feet           | SMDSWLTLP32           |
|   | In100              | 157°C (315°F)         | .031" (0.8mm)    | 10 feet           | SMDIN100              |
|   | In52/Sn48          | 118°C (244°F)         | .031" (0.8mm)    | 10 feet           | SMDIN52SN48           |
|   | In97/Ag3           | 143°C (289°F)         | .031" (0.8mm)    | 10 feet           | SMDIN97AG3            |