

## **Soldering Photo Albums**

Bob Willis, world-renowned soldering expert, has developed an extensive library of electronic assembly soldering photographs. These are available on CD-ROM, and are an essential resource for process engineers and trainers for illustration of soldering concepts. ALC is pleased to make Bob's well-known soldering photo albums available for secure on-line purchase at [www.automatedlearning.com](http://www.automatedlearning.com).

These soldering photographs are provided as a resource for workshops and general educational events. The images are also ideal for use in manuals, standards, and to illustrate technical articles and textbooks. The photographs are provided royalty free provided they are not resold as individual images or as part of an image library.

The images are generally provided in .tif format but in some cases are in .jpg format. It is recommend that the tif images are not used directly in PowerPoint presentations due to their size. Resizing the images to approximately 400 x 300 pixels and 72 dpi in jpg format is ideal for PowerPoint.

This .pdf contains low-resolution thumbnail examples, the actual photo album CDs provide larger high-resolution images, are updated continually and typically contain much more.

### **For more information or to purchase these CDs:**

Web: [www.automatedlearning.com/purchasing/solderingphotos.cfm](http://www.automatedlearning.com/purchasing/solderingphotos.cfm)

eMail: [sales@automatedlearning.com](mailto:sales@automatedlearning.com)

Tel: (613) 599-9975

### **Soldering Albums available on CD include:**

Lead Free Assembly and Soldering	Solder Paste Printing
0201 Chip Components	Conventional Assembly Process Defects
Surface Mount Process Defects	Printed Circuit Board
Ball Grid Array	Wire Preparation and Crimping
Pin in Hole Reflow Soldering	SM and Conventional Components
Flip Chip Assembly	SM and Conventional Joint Illustrations



01005chip.jpg



ab01.jpg



ab02.jpg



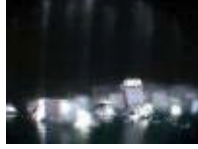
ab03.jpg



ab03s.jpg



ab04.jpg



ab05.jpg



ab06.jpg



ab07.jpg



ab07s.jpg



ab08.jpg



ab09.jpg



ab09s.jpg



ab010.jpg



ab010s.jpg



ab011.jpg



ab011s.jpg



ab012.jpg



ab012s.jpg



ab013.jpg



bw001.jpg



bw002.jpg



bw003.jpg



bw004.jpg



bw005.jpg



bw006.jpg



bw007.jpg



bw008.jpg



bw009.jpg



bw010.jpg



bw011.jpg



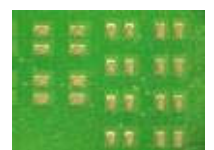
bw012.jpg



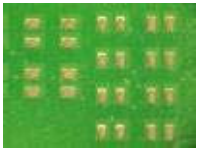
bw013.jpg



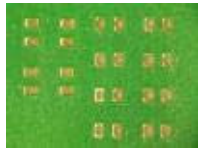
bw014.jpg



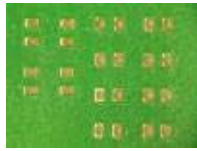
bw015.jpg



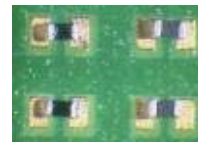
bw015s.jpg



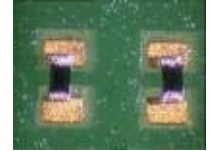
bw016.jpg



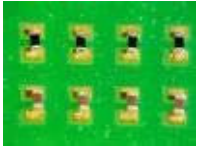
bw016s.jpg



bw017.jpg



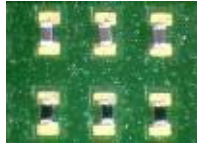
bw018.jpg



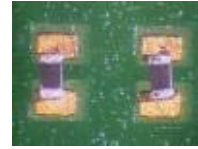
bw019.jpg



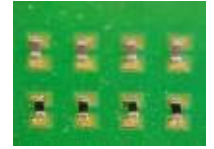
bw020.jpg



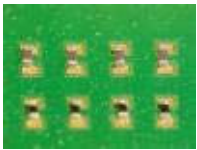
bw021.jpg



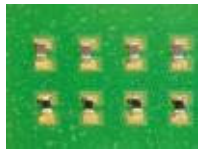
bw022.jpg



bw023.jpg



bw024.jpg



bw025.jpg



bw026.jpg



bw027.jpg



bw028.jpg



bw029.jpg



bw030.jpg



bw031.jpg



bw032.jpg



bw033.jpg



bw034.jpg



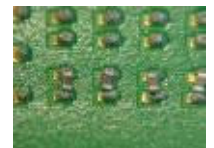
bw035.jpg



bw036.jpg



bw037.jpg



bw038.jpg



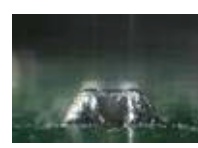
bw039.jpg



bw0040.jpg



bw0041.jpg



bw0042.jpg



bw0043.jpg



img1only.jpg



img2only.jpg



img3only.jpg



img3-small.jpg



img4 only.jpg



img4-only.jpg



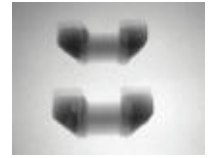
img5 only.jpg



img5-only.jpg



img5-small.jpg



img6 only.jpg



img6-only.jpg



img6-small.jpg



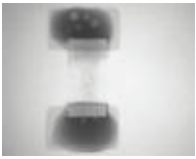
img7 only.jpg



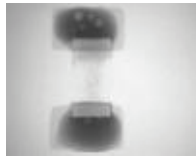
img7-only.jpg



img8 only.jpg



img8-only.jpg



img8-small.jpg



img9 only.jpg



img9-only.jpg



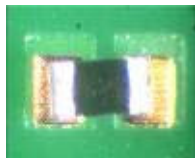
img9-small.jpg



bw01.tif



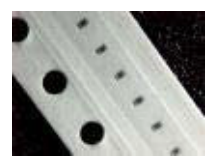
bw02.tif



bw03.tif



bw04.tif



bw05.tif



bw06.tif



bw07.tif



bw08.tif



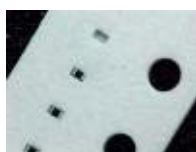
bw09.tif



bw010.tif



bw011.tif



bw012.tif



bw013.tif



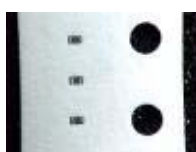
bw014.tif



bw015.jpg



bw015.tif



bw016.tif



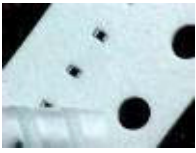
bw017.tif



bw018.tif



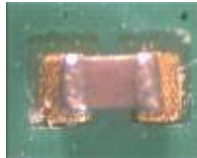
bw019.tif



bw020.tif



bw021.tif



bw022.tif



bw023.tif



bw024.tif



bw025.tif



bw026.tif



bw027.tif



bw028.tif



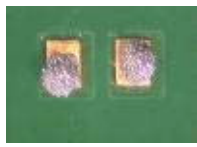
bw029.tif



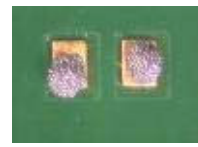
bw030.tif



bw031.tif



bw032.jpg



bw032.tif



bw033.tif



bw034.tif



bw035.tif



bw036.tif



bw037.tif



bw038.tif



bw039.tif



bw040.jpg



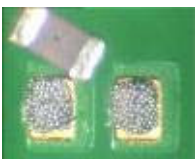
bw040.tif



bw041.tif



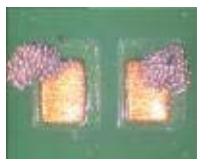
bw042.tif



bw043.tif



bw044.tif



bw045.tif



bw046.tif



bw047.tif



bw048.tif



bw049.tif



bw050.jpg



bw050.tif



bw051.jpg



bw051.tif



bw052.jpg



bw052.tif



bw053.tif



bw054.tif



bw055.tif



bw056.tif



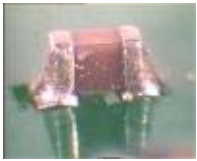
bw057.tif



bw058.tif



bw059.tif



bw060.tif



bw061.tif



bw062.tif



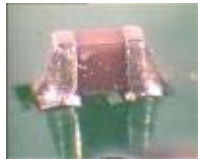
bw063.tif



bw064.tif



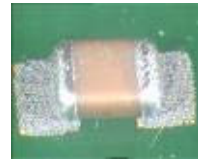
bw065.tif



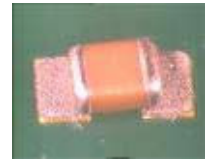
bw066.tif



bw067.tif



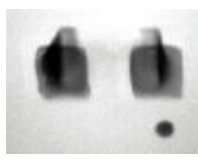
bw068.tif



bw069.tif



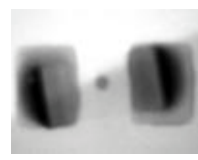
bw070.tif



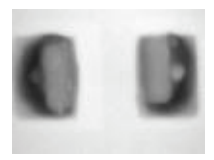
bw071.jpg



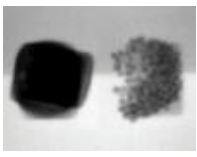
bw072.jpg



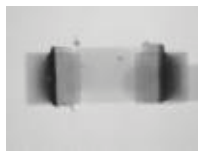
bw072s.jpg



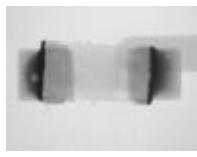
bw073.jpg



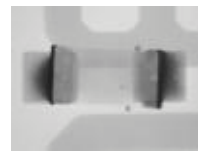
bw074.jpg



bw075.jpg



bw076.jpg



bw077.jpg



bw078.jpg



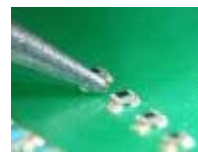
bw079.jpg



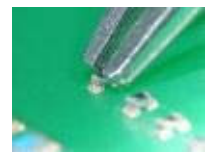
bw080.jpg



bw081.jpg



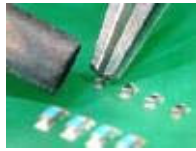
bw082.jpg



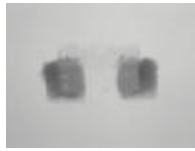
bw083.jpg



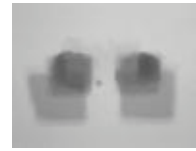
bw084.jpg



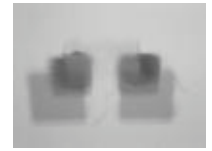
bw085.jpg



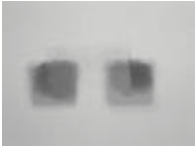
bw086.jpg



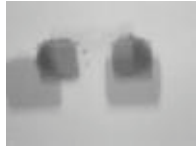
bw087.jpg



bw088.jpg



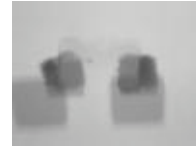
bw089.jpg



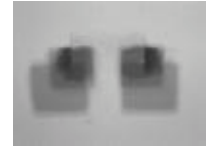
bw090.jpg



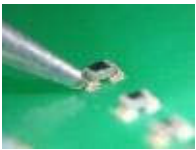
bw091.jpg



bw092.jpg



bw093.jpg



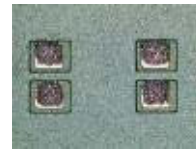
bw094.jpg



bw095.jpg



bw096.jpg



bw097.jpg



bw098.jpg



bw099.jpg



bw0100.jpg



bw0101.jpg



bw0102.jpg



bw0103.jpg



bw0104.jpg



bw0105.jpg



bw0106.jpg



bw0107.jpg



bw0108.jpg



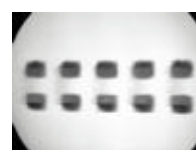
bw0109.jpg



bw0110.jpg



bw0111.jpg



bw0112.jpg



bw0113.jpg



bw0113s.jpg



bw0114.jpg



bw0115.jpg



bw0116.jpg



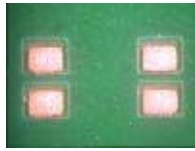
bw0116s.jpg



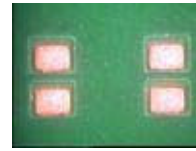
bw0117.jpg



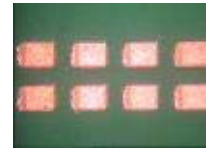
bw0117s.jpg



bw0118.jpg



bw0118s.jpg



bw0119.jpg



bw0120.jpg



bw0121.jpg



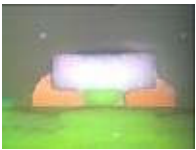
bw0122.jpg



bw0123.jpg



bw0124.jpg



bw0125.jpg



bw0126.jpg



bw0127.jpg



bw0128.jpg



bw0129.jpg



bw0130.jpg



bw0131.jpg



bw0132.jpg



bw0133.jpg



bw0134.jpg



bw569.AVI



bw570.AVI



bw571.AVI



bw572.AVI



bw573.AVI



bw662.AVI



bw663.AVI



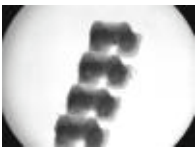
bw664.tif



bw665.tif



bw666.tif



bw667.tif



bw668.tif