

## **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:**

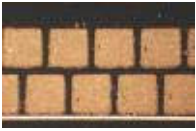
Web: [www.automatedlearning.com/purchasing/solderingphotos.cfm](http://www.automatedlearning.com/purchasing/solderingphotos.cfm)

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

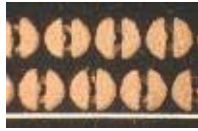
Tel: (613) 599-9975

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

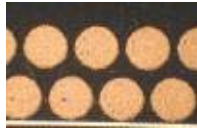
Lead Free Assembly and Soldering	Solder Paste Printing
0201 Chip Components	Conventional Assembly Process Defects
Surface Mount Process Defects	Printed Circuit Board
Ball Grid Array	Wire Preparation and Crimping
Pin in Hole Reflow Soldering	SM and Conventional Components
Flip Chip Assembly	SM and Conventional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



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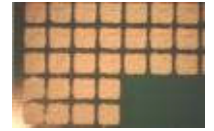
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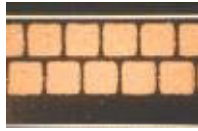
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0005.tif



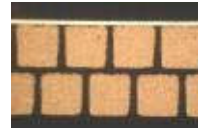
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0007.tif



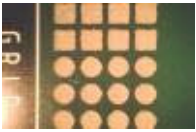
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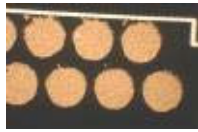
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0010.tif



0011.tif



0012.tif



0013.tif



0014.tif



0015.tif



0016.tif



0017.tif



0018.tif



0019.tif



0020.tif



0021.jpg



0021.tif



0022.tif



0023.jpg



0023.tif



0024.jpg



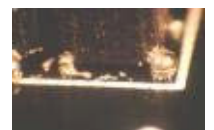
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0026.tif



0027.tif



0028.tif



0029.tif



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0037.tif



0038.tif



0039.tif



0040.tif



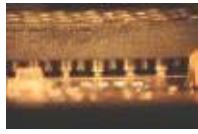
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0042a.tif



0043.tif



0044a.tif



0045.tif



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0048.tif



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0050.tif



0051.tif



0052.tif



0053.tif



0054.tif



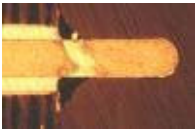
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0059.tif



0059a.tif



0060.jpg



0060.tif



0061.tif



0062a.tif



0063.tif



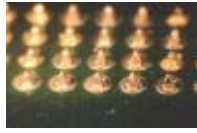
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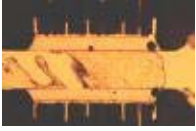
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0070.tif



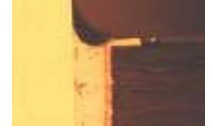
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0075.tif



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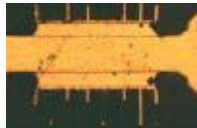
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0082.tif



0083a.tif



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0090.tif



0091.tif



091.jpg



0091 copy.tif



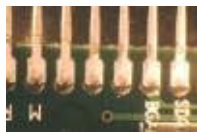
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092.jpg



0093.tif



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0095.tif



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0100.tif



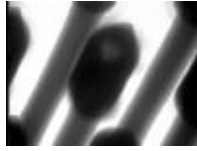
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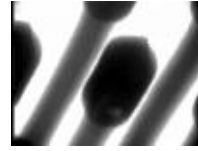
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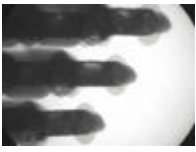
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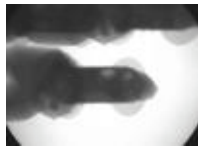
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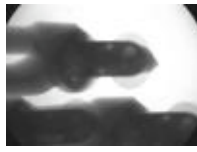
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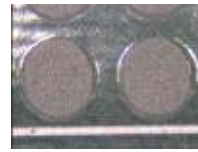
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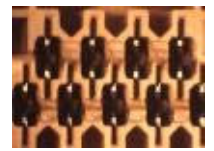
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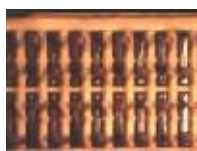
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0125.tif



0126.tif



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0129.tif



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0131.jpg



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0180.jpg



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0181.jpg



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0181s.jpg



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0182s.jpg



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0186.tif



0187.jpg



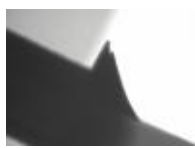
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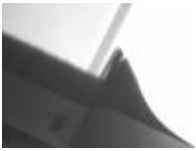
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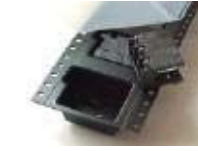
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0204.tif



0205.tif



bw206.jpg



bw207.jpg



bw208.jpg



bw209.jpg



bw210.jpg



bw211.jpg



bw212.jpg



bw213.jpg



bw213s.jpg



bw214.jpg



bw214s.jpg



bw215.jpg



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bw217.jpg



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bw218s.jpg



bw219.jpg



bw220.jpg



bw221.jpg



bw222.jpg



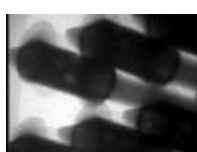
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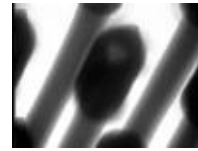
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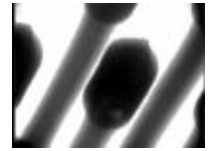
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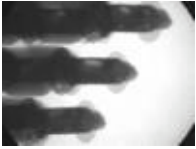
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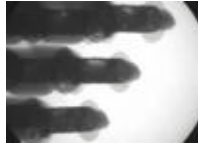
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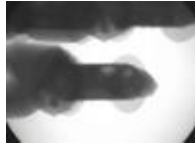
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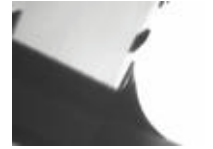
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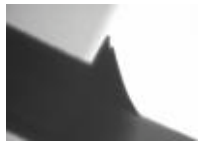
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Copy of 0195.tif



Copy of 0198.tif