

# Pick 'N' Place

❖ Issue Number 59

May 2006 ❖

## Surface Mount 2006

Melbourne Exhibition & Convention Centre  
17-19 October 2006

**Surface Mount 2006** promises to be an excellent conference in Melbourne. The program is set with international presenters Bob Willis, Phil Zarrow, Andy Kowalewski and Rick Hartley ready to deliver their most up-to-date information on SMT Design, Manufacture and Lead Free electronics products.

The topics being covered at the conference are: "Lead Free Design for Manufacture and Printed Board Assembly", "Advanced SMT – Equipment, Processes and Practices", "Control of Signal Integrity, EMI, Crosstalk and Grounding in High Speed Circuits", "Double Sided Reflow Design and Assembly for SMT and Mixed Technologies", "SMT Lead Free Manufacturing and Troubleshooting", "PCB Design for RF Applications", "Placement and Routing of Complex Printed Circuits" and "Electronics Today" which will be a series of presentations with important information for successful electronics design and assembly.

A Reception and the Annual General Meeting are being held in the evening on Tuesday 17 October 2006 and this will be an opportunity to meet the speakers.

### Surface Mount 2006

**Super Early Bird Offer to Members Only**

**Register & Pay by Monday 31 July 2006  
and You Will Only Pay**

**\$650 plus GST for all  
Three Days of the Conference**

Contact the Office on Tel: 9568 0599,  
Int'l 61 3 9568 0599 or

Email [pollocka@smcba.asn.au](mailto:pollocka@smcba.asn.au) for a  
registration form for this offer.

*The Latest Conference Details are Available at  
<http://www.smcba.asn.au/docs/conference2006.pdf>*

## IPC Training and Certification

*The next round of Certified IPC Trainer (formerly termed IPC Instructor) courses are scheduled for:*

**J-STD-001** training and certification – 10 to 14 July 2006

**IPC-A-610** training and certification – 17 to 21 July 2006

**IPC-7711/21** training and certification – 24 to 28 July 2006

These courses are all being conducted at the SMCBA Headquarters 87A Chadstone Road, Malvern East 3145

For details call the SMCBA office on  
Phone: 03 9568 0599, Int'l 61 3 9568 0599 or  
Email [pollocka@smcba.asn.au](mailto:pollocka@smcba.asn.au)

A course outline and registration form are available from the Association website for each course:

<http://www.smcba.asn.au/docs/001CIT2006.pdf>  
<http://www.smcba.asn.au/docs/610CIT2006.pdf>  
<http://www.smcba.asn.au/docs/771121CIT2006.pdf>

### Lead Free Soldering and Rework Intensive Hands-On One Day Workshop

A chance to update your knowledge and skills on Lead Free Soldering and Rework. A practical course with immediate application using existing, common place equipment.

**When:** Choice of three courses at the SMCBA Offices – **Tuesday May 30** (one place available), **Wednesday May 31** (course filled) or **Thursday June 1** (2 places available). When filled we will schedule further dates.

**Cost:** \$200 plus GST for Members and \$300 plus GST for Non-members. **Be quick as numbers are strictly limited – as listed above, only one place left on the May 31 course and two are available for the course on Thursday June 1.**

To register contact the SMCBA office - phone 03 9568 0599 or email [pollocka@smcba.asn.au](mailto:pollocka@smcba.asn.au). Full details can be obtained from:  
<http://www.smcba.asn.au/docs/LFRework.pdf>.

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Australasian Chapter



**IPC Authorised Training Centre - J-STD-001, IPC-A-610, IPC-A-600 & IPC-7711/7721**

## IPC Standards Update

### Published

IPC-HDBK-005 (Feb 06) – Guide to Solder Paste Assessment.

J-STD-006B (Feb 06) - Requirements for Electronic Grade Solder Alloys and Fluxed Non-Fluxed Solid Solders.

J-STD-033B (Oct 05) – Handling, Packaging, Shipping and Use of Moisture/Reflow Sensitive Surface Mount Devices.

IPC-1751 (Feb 06) – Generic Requirements for Declaration Process.

IPC-1752 (Feb 06) – Materials Declaration Process.

IPC-9701A (Mar 06) – Performance Test Methods and Qualification Requirements for Surface Mount Solder Attachments.

### Final Draft for Industry Review

J-STD-002C – Solderability Tests for Computer Leads, Terminations, Lugs, Terminals and Wires

J-STD-003B – Solderability Tests for Printed Boards.

J-STD-020D – Moisture/Reflow Sensitivity Classification for Non-Hermetic Solid State Surface Mount Devices.

J-STD-609 – Marking, Symbol and Labels for Identification of Lead Free and Other Reportable Materials in Lead Free Assemblies.

IPC-AI-641A - Users Guidelines for Automated Optical Inspection.

IPC-7525A – Stencil Design Guidelines.

IPC-7526 – Stencil and Misprinted Board Cleaning Handbook.

### Proposed Standard for Ballot

IPC/WHMA-A-620A – Requirements and Acceptability of Cable and Wire Harness Assemblies.

IPC-9261A – In-Process DPMO and Estimated Yield for PWA's

### Working Draft Stage

J-STD-005A - Requirements for Soldering Pastes.

IPC-DR-572A – Drilling Guidelines for Printed Boards.

IPC-A-610DC – Telecommunications Applications Electronic Hardware Addendum.

IPC-PE-740B – Troubleshooting Printed Board Manufacture and Assembly.

IPC-HDBK-830A – Guidelines for Design, Selection and Application of Conformal Coatings.

IPC-HDBK- 840A – Solder Resist Handbook.

IPC-2222A – Sectional Design Standard for Rigid Printed Boards.

IPC-6012C – Qualification and Performance Specification for Rigid Printed Boards.

IPC-9201A – Surface Insulation Resistance Handbook.

IPC-9501A – Assembly Process Simulation for Evaluation of Components.

IPC-9850A – Surface Mount Placement Characterisation.

IPC/JEDEC -9703 – Mechanical Shock Test Methods and Qualification Requirements for Surface Mount Solder Attachments.



ASSOCIATION CONNECTING  
ELECTRONICS INDUSTRIES

**IPC PUBLICATIONS  
ARE AVAILABLE FROM  
THE SMCBA**

All IPC standards and training materials are available from the SMCBA

Call **Andrew Pollock** Tel: **(03) 9568 0599**

**Intl 61 3 9568 0599** or email

**pollocka@smcba.asn.au** for price and availability

**SALE, SALE, SALE**

**The SMCBA library has some reference books for sale at bargain prices.**

**Dr Jennie Hwang  
– “Modern Solder Technology for  
Competitive Electronics  
Manufacturing”  
(4 copies only)**

**\$50.00 plus GST (RRP = \$120.00)**

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**Dr William Messina – “Statistical  
Process Control for Surface Mount  
Technology”  
(10 copies available)**

**\$40.00 plus GST (RRP = \$90.00)**

### **IPC CID Course and Examination**

We are looking at the possibility of conducting another IPC Designer Certification Course and Examination for PCB Designers who have not had the opportunity to complete this course.

It would be conducted in Melbourne and/or Sydney early in the second half of the year.

**Are you interested?**

Please email your expression of interest and details to Andrew Pollock – email:

**pollocka@smcba.asn.au**