

Pick 'N' Place

◆ Newsletter of the SMCBA

June 2018 ◆

ELECTRONEX 2018

5-6 September
Rydges Parramatta and
Rosehill Racecourse

Please Note - New Venue

CONFERENCE OUTLINE:

Our international speakers are Susy Webb and Jasbir Bath from the USA. Topics include:

- Designing Beyond Simulation – There's so Much More You Can Do
- Building a Bridge from Design to Manufacturing
- Complexities of Designing with Fine Pitch BGAs
- Part Placement Choices and Consequences
- Printing and Its Effect on Manufacturing Yield
- Reflow, Wave and Rework Soldering Process
- Optimisation in Electronics Manufacturing
- Design for Manufacturability and Reliability

Thank you to the 2018 Sponsors:

Embedded Logic Solutions
GPC Electronics
Hawker Richardson
HETECH
Machinery Forum
Mornsun
Mouser Electronics
OnBoard Solutions
QualiEco
Re-Surface Technologies

Design Workshop in Auckland
August 30 & 31, 2018 –
Presented by Susy Webb

For Full Details go to:
<https://www.smcba.asn.au/training-courses/smcba-susywebbnz>

The exhibition continues to be a highly successful event and this year it will be staged at Rosehill Racecourse.

Australasian Exhibitions and Events (AEE) is taking bookings there are about 5 stands remaining so if you are interested in exhibiting please visit the [ElectroneX website](http://ElectroneX.com.au) for exhibition information or call AEE on 03 9676 2133:

www.electronex.com.au

IPC Training and Certification

The next certification courses are:

IPC-7711/7721 Rework/Repair training and certification for trainers (Certified IPC Trainers – CIT) and operators (Certified IPC Specialists – CIS) – **17-20 July 2018**

IPC/WHMA-A-620 training/certification for trainers (Certified IPC Trainers - CIT) and operators (Certified IPC Specialists - CIS) – **20-22 Aug 2018**

IPC-A-610 training and certification for trainers (Certified IPC Trainers - CIT) and operators (Certified IPC Specialists - CIS) – **23-25 July 2018**

IPC-A-610 training and certification for trainers (Certified IPC Trainers - CIT) and operators (Certified IPC Specialists - CIS) – **Sept 4-6 2018**

Certified Interconnect Design, (CID) at the SMCBA office 10-12 July 2018.

Advanced Certified Interconnect Design (CID+)
Dates to be advised for the second half of 2018

Further Details and Pricing: Contact Andrew at SMCBA office.

Pick 'N' Place is published by the **SMCBA**

Assoc Reg No: A0016674X Incorporated 1988 ABN 61-228 044 453

Publication No: ISSN 1033-5366

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IPC Training & Certification Centre for
J-STD-001, IPC-A-610, IPC-A-600, IPC/WHMA-620 & IPC-7711/7721
Certified IPC Designer (CID and CID+)



From The SMCBA Executive Committee:

We hope all Members have a successful 2018 and continue to support the SMCBA conference and the ElectroneX Expo in Sydney this year.

The Executive Committee elected at the AGM in May 2018 is made up as follows:

Steve Tebbutt – President
Keith Sweatman – Treasurer
Mark Dobson
Mike Ross
Andy Kowalewski
Mark Steiner
Stephen Barnett
David Kitcher
Rodney Gibson
Roger Hughes



Member

Latest Releases and Most Used IPC Standards:

IPC-6903 “Terms and Definitions for the Design and Manufacture of Printed Electronics”
Revision A released March 2018

IPC-7094 “Design and Assembly Process Implementation for Flip Chip and Die Size Components”
Revision A released March 2018

IPC-7621 “Guideline for Design, Material Selection and General Application of Encapsulation of Electronic Circuit Assembly by Low Pressure Molding with Thermoplastics”
released March 2018

IPC-4591 “Requirements for Printed Electronics Functional Conductive Materials revision A
released February 2018

IPC-DRM-PTH “Through Hole Solder Joint Evaluation Training and Reference Guide
Revision G released February 2018

IPC-DRM-SMT “Surface Mount Solder Joint Evaluation Training and Reference Guide
Revision G released February 2018

J-STD-001 “Requirements for Soldered Electrical and Electronic Assemblies”
Revision G released October 2017

IPC-A-610 “Acceptability of Electronic Assemblies”
Revision G released October 2017

IPC/WHMA-A-620 “Requirements and Acceptance for Cable and Wire Harness Assemblies”
Revision C released January 2017

IPC-7711/7721 “Rework, Modification and Repair of Electronic Assemblies”
Revision C released January 2017

IPC-A-600 “Acceptability of Printed Boards”
Revision J released May 2016

Membership:

Which organisation has maintained the same membership rates since July 1991?

Answer: SMCBA

Please spread the word about the SMCBA and its proven track record – the only organisation remaining in Australia dedicated to the electronics design and manufacturing industry and the only Licensed IPC Training Centre in the region.

HOT TIPS

An oldie but a goodie and one that never changes.

Soldering and Rework Tips

- 1.** Choose tips with the largest thermal mass suitable for the component being soldered. Increasing the tip temperature does not compensate for lack of mass.
- 2.** Always clean and tin the tip of the soldering iron before turning the station off for the day.
- 3.** A pyrometer is a very useful and inexpensive piece of equipment to have in a soldering laboratory/workshop. It allows you to check tip temperatures ensuring that you are using the correct temperature. Saves damage to tips, boards and components.