

FUNDAMENTALS OF REWORK & REPAIR



Manufacturers and assemblers that want to realize dramatic cost savings by repairing and reworking electronic assemblies and printed circuit boards agree on the benefits of Rework, Modification and Repair of Electronic Assemblies. This program covers industry-approved techniques on through-hole and surface-mount rework as well as jumper connections. It covers procedural requirements, tools, materials and methods for removing and replacing conformal coatings, surface mount and through-hole components

Who can participate

Operators/Newcomers engaged in Rework, Modification and Repair of Electronic Assemblies

Mode of Training

Instructor-led hands-on practical Training

Instructor

Master IPC Trainer (MIT) or
Certified IPC Trainer (CIT)

Benefits of participation

IPC India course will highlight fundamentals of rework and repair. Participants will be exposed to different methods of replacing components and circuit modifications. Participants will also be exposed to different tools used for rework of components.

Certificate:

Participation Certificate will be provided to the Company with Individuals name at the end of the program

Syllabus: Fundamentals of rework & repair

The workshop is organized into Theory and hands on practical

Session 1: Lecture on rework/repair

- Classification of products
- Definitions of Terminology
- Materials and tools used.
- Tool care and soldering iron tip care
- General methods of desoldering and soldering
- Cleaning

Session 2: Lecture and hands on

- General techniques of through hole component rework
- Acceptability Requirements
- Hands-on on through hole rework
- Q & A on day's content

Session 3: Lecture and hands on

- General Techniques for rework of chip components
- General techniques for rework of SOIC and QFP
- Acceptability Requirements
- Hands-on on chip, SOIC and QFP rework

Session 4: Lecture and hands on

- Jumper connections
- Conformal coating removal/replacement
- Acceptability Requirements
- Hands-on on jumper connections
- Q & A on day's content

Maximum no of candidates: 15 Per Batch | Duration: 2 Full Day (15 - 16 Hours)

Schedule for fundamentals of rework and repair

Session No	Session Name	Duration	Time	Description
1	Introduction	0:15	9:00 - 9:15 AM	Registration and introduction of participants
	Overview	0:15	9:15 – 9:30 AM	General overview of the course
	Lecture on rework/repair	3:30	9:30 - 1:00 PM	Presentation
Break 0:45 mins				
2	Lecture on rework/repair and hands on	3:30	1:45 - 5:15 PM	Presentation and Hands On – Through hole components
	Question & Answer	0:15	5:15 - 5:30 PM	Q & A on day's content
Day 2				
3	Lecture on rework/repair and hands on	4:00	9:00 AM - 1:00 PM	Presentation and Hands On – Basic SMT components
Break 0:45 mins				
4	Lecture on rework/repair and hands on	3:00	1:45 – 4:45 PM	Presentation <ul style="list-style-type: none">• Jumper connections• Conformal coating removal/ replacement Hands On – Jumper wire connections
	Conclusion	0:30	4:45 - 5:15 PM	Q&A and Summarizing
Discount available for bulk registrations			For details connect to IPC India Team:	

www.ipc.org/ipc-india-regional-team

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