

ZERO - DEFECT

HAND SOLDERING

DETAILS

Zero Defect Soldering' course is aimed at achieving acceptable solder joints in the electronic assemblies by addressing various operations involved.

The syllabus covers the Process, Tools and Material related causes and remedies during Handling, Storage, Pre-assembly, During Assembly and Post Assembly stages which possibly may contribute in defective Soldering.

WHO CAN PARTICIPATE

Soldering Technician
Supervisor

BENEFITS OF PARTICIPATION

Defect free assembly
Improved Productivity
Reduced Warranty Failures
Improved Customer Satisfaction

MODE OF TRAINING

Instructor-led hands-on practical Training available through Global Electronics Association India Skill Centre, Bengaluru/ In-house training

INSTRUCTOR

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

COMPANIES TO ATTEND

Suppliers to Defence, Aerospace, Automotive, Medical & Industrial

SYLLABUS

- Zero defect introduction/Overview
- Material and process selection
- Handling, storage of ESDS
- Handling, storage of MSD
- Factors attributing to soldering defects
- Resistance soldering
- Induction soldering
- Soldering defects/Anomalies
- Prevention of Soldering defects/Anomalies
- Soldering defects
- Soldering defects and remedies
- Defects and remedies – Hand soldering
- Defects and remedies – SMD
- Defects and remedies – Wave soldering
- Defects and remedies – Robotic Soldering
- Defects and remedies – Selective Soldering
- Demo Soldering Video

Duration: 1 full day (9 AM to 5.15 PM)

Schedule for Zero Defect Soldering

Session No	Session Name	Duration	Time	Description	
1	Introduction	0:30	9.00 – 9.30 AM	Introduction of participants and IPC Standards	
	Overview	0:15	9.30 – 9.45 AM	General overview of the course	
Break 0:15 mins					
2	a. Factors attributing to Soldering Defects	3:00	10.00 AM – 1 PM	Presentation and Video	
	b. Prevention of Soldering Defects/Anomalies				
Break 0:45 mins					
3	Practical	Student practice	3:15	1:45 – 5:00 PM	Hand on Practice including demo
			0:15	5:00 – 5:15 PM	Q&A and Summarizing

IMPORTANT NOTES

- GST applicable at 18% on the quoted price
- 100% payment to be made before 7 working days of the course commencement
- Minimum 10 & maximum 20 candidates/batch
- Company will share candidates name & details (as per Global Electronics Association format) 7 days in advance before commencement of the course
- Session can be organized on Saturdays
- Participation Certificate shall be provided to the candidates on Global Electronics Association India letterhead
- For In-house Training, Travelling charges to and fro and stay of trainer should be booked by members only
- For in-house training, the member company should arrange the necessary kits, practical tools, and equipment.

For more information, please reach out to:

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