

IPC HAND SOLDERING CONTEST - 2025

Guidelines:

- 1) Any soldering/ rework technician may participate in the contest. CITs (Certified IPC Trainers) are not eligible to register in the contest.
- 2) Each contestant will be allotted an ID number. The contestant will be identified only by his/her ID number throughout the competition and not by the name.
- 3) The contestant shall report at the venue 30 minutes before the allotted time.
- 4) Referee will allot workstation to each contestant. An Observer will also be allotted to the respective workstation by the Referee.
- 5) Contestants are required to follow ESD safe procedures during the task. Contestants shall carry their own smocks (ESD Aprons) and caps.
- 6) On instruction by the Referee, contestants can go to their allotted workstation. Check for completeness of the equipment, tools and consumables. Any shortfall has to be intimated to the allotted Observer.
- 7) If any technical clarification about the operation of any tools or equipment, the contestant can approach the observer / referee / sponsor.
- 8) As stipulated assembly time will be allotted for completion of the PCB assembly. The contestant is expected to complete the task within the stipulated time. No extra time will be given for assembly. An additional 5 minutes will be given for housekeeping and cleaning of workstation.
- 9) The assembly task includes the following:

Component BOM checking	Component preparation
Component Assembly and Soldering Operation	PCBA Cleaning
ESD safety Compliance	General work culture

- 10) Kit shall be opened only on the announcement to start the contest.
- 11) Upon completion of the task, the tools are required to be placed back in their respective places and ESD accessories provided are put back in their place.
- 12) Ensure that the worktable is cleaned and debris if any is cleared into the trash bin.
Upon completion of the assembly or end of time, whichever earlier, affix the ID number on the assembly and handover the same to the Observer.
- 13) The PCBA will be inspected as per current revision of IPC-A-610 (Rev. J), Class 3 requirements. Each component and connection point will be evaluated for defects and marks allocated accordingly. Assembly functionality will be checked.
- 14) Both observer score and assembly evaluation score will be considered for computing total score for the task.
- 15) A Winner and a runner will be declared after the event. In case of tie between any 2 participants, time taken for completion of assembly will be considered.
- 16) Winner will be eligible to participate in the finals.