

SOLDERING SKILL TEST : 2026-27

CONTESTANT GUIDELINES

The Contestants of the Hand Soldering Skill Test to follow the below guidelines:

- 1) Contestants are required to follow ESD safe and Personnel safety procedures by using the items provided by the organizers at the spot
- 2) On instruction by the Referee, contestants to check the completeness of the equipment, tools and consumables. Any shortfall must be intimated to the allotted Observer.
- 3) If any technical clarification about the operation of any tools or equipment is required, the contestant can approach the observer / referee / sponsor.
- 4) **Assembly time allotted is 30 min. for completion of the PCB assembly.** Contestant is expected to complete the task within the stipulated time. No extra time will be given for assembly. **Additional 5 minutes will be given for house-keeping and cleaning of workstation.**
- 5) Component Kit shall be opened only on the announcement to start the contest.
- 6) The task includes the following:

Component BOM checking	Soldering
ESD Compliance	PCBA Cleaning
Component preparation	General work etiquette
Component Assembly	

- 7) Upon completion of the task, the tools are required to be placed back in their respective places.
- 8) Ensure that the worktable is cleaned and debris if any is cleared into the trash bin.
- 9) Ensure that the ESD accessories provided are put back in their place.
- 10) The PCBA will be inspected as per **IPC-A-610J Class 3** requirements. Each component and connection point will be evaluated for defects and marks allocated accordingly.
- 11) Both observer score and visual inspection score will be considered for evaluating the completed task.
- 12) Contestant scoring more 80% and above would be rewarded accordingly.

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