Global Electronics Association™

HAND SOLDERING CONTEST – 2026_27
CONTESTANT GUIDELINES

1) Any soldering/ rework technician may participate in the contest. CITs (Certified IPC Trainers) are not eligible to register in the contest.
2) The Contestants of the Hand soldering contest have to follow the below guidelines and follow **IPC-A-610 (Rev. J) Class 3 requirements.**
3) Each contestant will be allotted to an ID number. The contestant will be identified by his/her ID number only throughout the competition and not by the name.
4) The contestant shall report at the venue 30 minutes before the allotted time.
5) Referee will allot the workstation to the contestant. An observer will be allotted to the respective workstation by the Referee.
6) Contestants are required to follow ESD safe procedures during the task. Contestants shall carry their own smocks (ESD Apron) and ESD wrist bands.
7) 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.
8) If any technical clarification about the operation of any tools or equipment is required, the contestant can approach the observer / referee / sponsor.
9) Assembly time of board is **50 minutes** for the completion of the PCB assembly – The clock will start as soon as contestant open the Kit bag till handing over the assy. to the observer/ organizer. 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.

(*) The task includes the following:

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

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.

12 Ensure that the worktable is cleaned and debris if any is cleared into the trash bin.

13 Ensure that the ESD accessories provided are put back in their place.

14 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.

15 The PCBA will be inspected as per IPC-A-610J Class3 requirements. Each component and connection point will be evaluated for defects and marks allocated accordingly.

16 Both observer score and visual inspection score will be considered for evaluating the completed task.

17 Winner/s will be declared after the competition. In case of tie between any 2 participants, time taken for completion of assembly is considered and selected.

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