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(57) Abstract :

A system 100 for detecting faults in a circuit board 102 is disclosed. The system 100 include a plurality of sensors 104 to detect faults in the circuit board 102 and upon detection of faults, notifications transmitted to one or more mobile computing devices to inform the user regarding the faults. Also, upon scanning markers 106 from the associated mobile computing device, visualization of the circuit board transmitted to a display interface of the mobile computing device, further faults detected by the plurality of sensors 104 displayed with the augmented reality (AR) view and digital twin view that enables the user to check faults without opening the circuit board 102.

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