Compact PCB Tester



CHALLENGE

The MRO & BRD teams of Indian Armed Forces have long faced logistical hurdles in routing faulty P.C.Bs to distant D-level testing facilities for fault diagnosis. This leads to increased maintenance costs and extended downtime for mission-critical platforms.
The I-level PCB Testing System is developed for base-level maintenance. It enables quick & reliable testing by supporting passive components validation, basic voltage line checking, resulting in faster fault diagnosis of simpler faults.

SOLUTION

- Robust cDAQ-Based Test Setup: Reliable and portable
- Scalable Deployment: Enables large-scale installation of similar systems
- Hanger/Base Level Testing: Quick diagnostics at the production or maintenance site

PLATFORM

- NI's Compact DAQ-Based System

KEY BENEFIT	DESCRIPTION
Cost-Effective	Avoids dedicated lab ATEs for all maintenance units
Time-Saving	Preliminary testing reduces effort before modular ATE use
Portable & Efficient	Enables quick diagnostics at hanger or bay level
Scalable Deployment	Can be deployed across multiple sites or production lines
Reliable & Robust	cDAQ-based setup ensures dependable testing performance

SCAN ME