

# ICT-100A with PPC



The ICT-100A with PPC is Blue Clover Device's proprietary iteration of traditional in-circuit test (ICT) fixtures (i.e. bed-of-nails testers). This product is designed for exclusive use with the Production Line Tool (PLT), a cloud-native test automation device.

## ICT-100A

The ICT-100A is a box with vertical arms supporting a toggle clamp. To perform in-circuit testing on a Printed Circuit Board (PCB), the ICT-100A hosts a custom-built Pogo Pin Cassette (PPC).

### Specifications

1. Dimensions(L\*W\*H): 350\*250\*350mm.
2. Net Weight: 5.0kg

## Pogo Pin Cassette (PPC)

Each PPC is custom-built to be compatible for a Device Under Testing (DUT) specified by the client and comes with a custom pressing plate. The PPC consists of a steel frame which holds a PCBA connected to pogo pins. Similar to the bed-of-nails in other ICT fixtures, the pogo pins in the PPC provide a physical connection with the DUT. Like the bed-of-nails used in wireless ICT fixtures, the PPC uses a PCBA to connect the DUT. This PCBA facilitates test processes and complementary uses with the PLT.

### Specifications

1. 78 pin D-sub connector for digital/analog
2. 4 pin connector for power
3. Dimensions of PPC (L\*W\*H): 280\*196\*66mm
4. Dimensions of press plate (L\*W\*H): 225\*180\*60mm
5. Net Weight of PPC and Press Plate: 2.2kg

## Requirements for DUT

1. Maximum test PCB size is: A5 (148\*210mm)
2. Minimum test point diameter should be:  $\geq 1.0\text{mm}$
3. Minimum center-to-center distance of any two test points should be:  $\geq 2.0\text{mm}$
4. Test points should all be on the same board side
5. Test points should not be on lead of components.
6. Test points should not be placed on the trace vias.
7. The component height on the TP side (bottom side) should be less than 10mm.
8. The component height on the non-test points side (top) should be less than 40mm
9. Clearance between TP and adjacent parts should be at least 2mm
10. Clearance between TP and PCB edge should be at least 2mm.

### ICT-100A with PPC

#### For more information

Visit [www.bcdevices.com/ict](http://www.bcdevices.com/ict) or contact us at [info@bcdevices.com](mailto:info@bcdevices.com).

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Blue Clover Devices is THE IoT ODM.

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DocID: PSS-ICT-100A

Version: 0.7.0

Last modified: 2020-04-06