



CT100 CIRCUIT TRACE BRUSH



CT100 Circuit Trace Brush

An indispensable tool for tracking PCB traces on undocumented electronic assemblies.

With an ongoing requirement to save resources and to cope with component supply chain disruptions, achieving a high repair rate of electronic circuit boards becomes ever more important. Increasing complexity of electronic circuitry, fine traces and high layer count of modern multilayer PCBs poses new challenges for repair technicians. Once a suspect net has been identified of the board (for example by using the Polar GRS200 Fault Locator), the task is now to track the net as it runs across the board, perhaps even traversing multiple layers and to identify components connected to that net.

In an electronic production environment, this information is usually available in the form of CAD data displayed on screen.

In an electronics repair centre, usually there is no CAD Data or schematic diagrams available and

it is a tedious manual job to extract connectivity information from a board under test. On a PCB with hundreds or even thousands of nets, this is next to impossible and often the cause for an unsuccessful repair.

To overcome this problem, a new tool is at hand: The CT100 Circuit Trace Brush combines an audible tone generator with a conductive brush in a handy instrument. A wire with a test clip is connected to the suspect net and the brush gets gently swept across the surface of the circuit board assembly. When touching a connected PCB trace, an audible tone is produced, indicating an electrical connection. Then use the edge of the brush or the red probe to home in on the connection.

The CT100 Circuit Trace Probe for audible tracking of PCB traces/nets

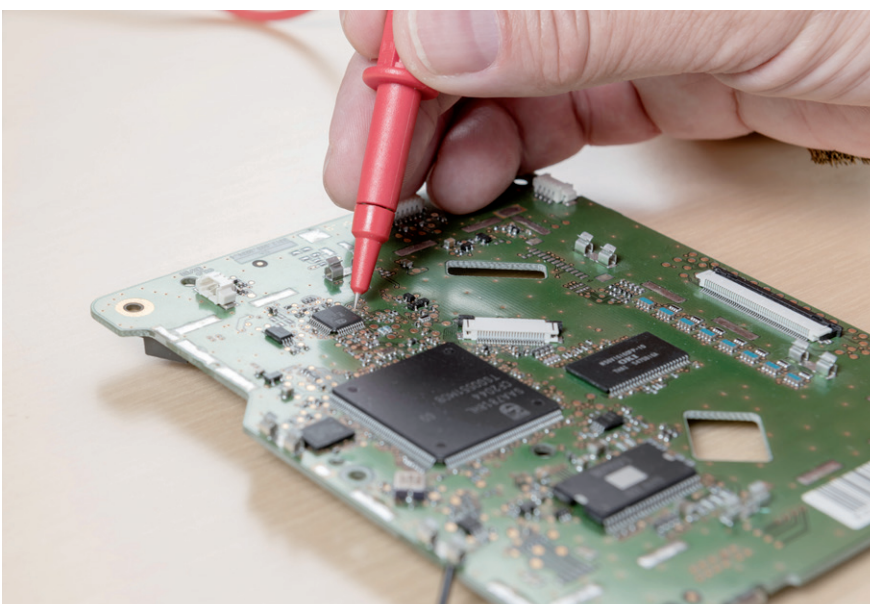




Probing the electronic circuit board assembly with the broad-side of the conductive brush



Use the edge of the brush to home in on the connection



Use the red probe to further home in on the exact point of connection

Using this method, even widely branched nets may easily be identified on most complex electronic circuit board assemblies.



Content

CT100 Probe with conductive brush, red and black probe, wire with black grabber, pouch, 9V battery

The CT100 is the ideal complement to the Polar Fault Locators:

GRS550
Flying Probe System



GRS200
Manual Fault Locator



Toneohm950
Multilayer Shorts Locator



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