



Agilent N1022B Probe Adapter

Use the Industry's fastest high-speed probes with the Agilent 86100 Infiniium digital communications analyzer



Waveform analysis of high-speed electrical circuits is made easier and significantly more accurate with the Agilent InfiniiMax 1130 series of high-performance active probes. These probes, along with the Agilent 115X probe family can now be used with the 86100 Infiniium digital communications analyzer (DCA) series of widebandwidth sampling oscilloscopes.

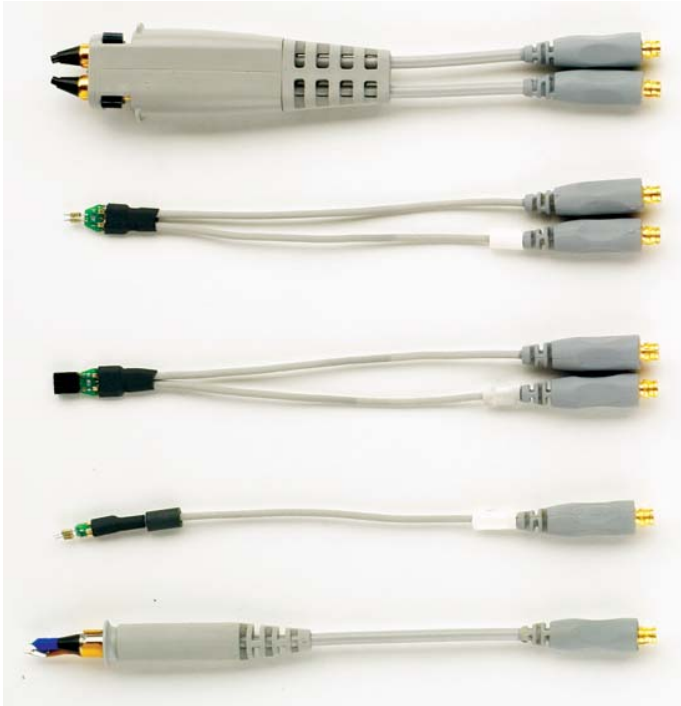
The N1022B probe adapter provides power, identification/calibration, and a high-integrity signal path between the DCA plug-in module and the probe.

The output/interface end of the probe amplifier section attaches to one side of the adapter. The other side of the probe adapter is an instrumentation grade 3.5 mm connector that attaches to the bulkhead male connector of the electrical channel on the oscilloscope plug-in module. For bias and identification, an interface cable from the probe adapter attaches to the probe power port of the oscilloscope plug-in.

The N1022B is directly compatible with any of the 861XX, 8348X, and 5475X DCA plug-in modules with electrical channel bandwidths of 20 GHz or less and a 3.5 mm connector. (A common 2.4 mm female to 3.5 mm male connector adapter does not provide the mechanical connection needed to attach the N1022B to plug-in modules with 2.4 mm ports.)



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The InfiniiMax probes offer you the highest performance available for measuring differential and single ended signals, with flexible connectivity solutions for today's high-density IC's and circuit boards. The InfiniiMax probes provide the following key features and choices:

- 7 GHz solder-in differential probe head for small geometry circuits
- 6 GHz differential browser for general purpose troubleshooting (single-ended or differential)
- Variable spacing for different circuit geometries (0.25 – 5.8 mm)
- Differential browser Z-axis compliance (dual probe tip spring)
- 5.2 GHz extremely small single-ended solder-in probe
- 5.5 GHz Single-ended browser (smaller size than the differential browser)

All probes have a flat frequency response over the entire probe bandwidth to eliminate distortion and frequency-dependent loading effects. For more information on InfiniiMax probes including:

- Axial lead resistors
- Damped wire accessories
- Frequency and time-domain response performance

go to:

www.agilent.com/find/infiniimax

The Agilent 1156A, 1157A, and 1158A active probes are also compatible with the N1022B probe adapter.

For more information on Agilent Technologies' products, applications or services, please contact your local Agilent office. The complete list is available at:

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Product specifications and descriptions in this document subject to change without notice.

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