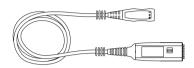
1168/9B InfiniiMax II Probes



Locate the User's Guide

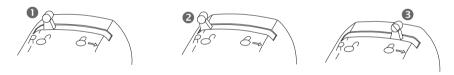
Download the comprehensive 1168/9B user's guide from the probe's product page at www.keysight.com. The user's guide is also available in Keysight's Probe Resource Center (PRC) which is available at www.keysight.com/find/PRC. The PRC is an application that runs on a PC, Mac, or iOS device.

Compatible Oscilloscopes

S series, 90000 V, X, Z, and Q series (with N5442A Adapter), 90000A series, 86100D (with N1022B Adapter), and 80000B series

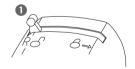
To Connect the Probe to the Oscilloscope

- 1. With the lever in relaxed position ① push the probe onto the BNC.
- 2. The lever moves towards the R (release) 🛿 and returns to Symbol.
- 3. Move the lever towards the 💧 symbol until snug. 3



To Disconnect the Probe from the Oscilloscope

To disconnect, move and hold the lever at R (release) 1 and pull the probe from the BNC.



Probe Safety Information

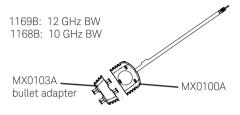
- Maximum Input Voltage: 30V Peak (mains isolated). Maximum non-destructive voltage on each input ground.
- To protect the probe from damage, read the Probe Handling section in the user's guide.
- Refer to the user's guide for additional safety and handling information.
- Probes are ESD sensitive devices particularly at the probe heads. Follow standard ESD precautions when handling.

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Recommended Probe Head Configurations (listed in order of best performance)



1. MX0100A InfiniiMax micro probe head

- Lowest input loading (0.17 pF differential).
- Light, flexible, small, and reusable.
- Micro solder-in head designed to access small geometry target devices.
- Accessory: MX0103A bullet adapter shipped with MX0100A for easy connection and disconnection from the probe amplifier.
- MX0102A soldering tool kit (available separately) with useful tools to make soldering easier.

3. N2839A differential browser probe head

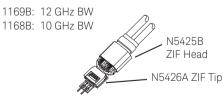




N2839A

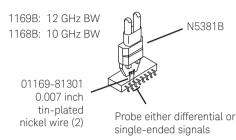
- Probe either differential or single-ended signals.
- Adjustable tip spacing (0 to 3 mm).
- Spring-loaded tips for secure connection.Compatible with N2784/5A or N2787A probe
- positioners.
- For additional tips, order N2837A Replacement Tip Kit.

5. N5425B ZIF probe head / N5426A ZIF tip



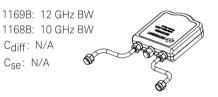
- Very small fine-pitch targets.
- Low cost solder tips for probing multiple test points.
- Full bandwidth.
- Slightly higher loading than solder-in head.

2. N5381B differential solder-in probe head



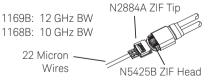
- Solder-in connection for differential and single-ended signals.
- Very low input loading (0.21 pF differential).
- Wires must be cut to proper lengths (see user's guide).

4. MX0105A InfiniiMax differential SMA probe head



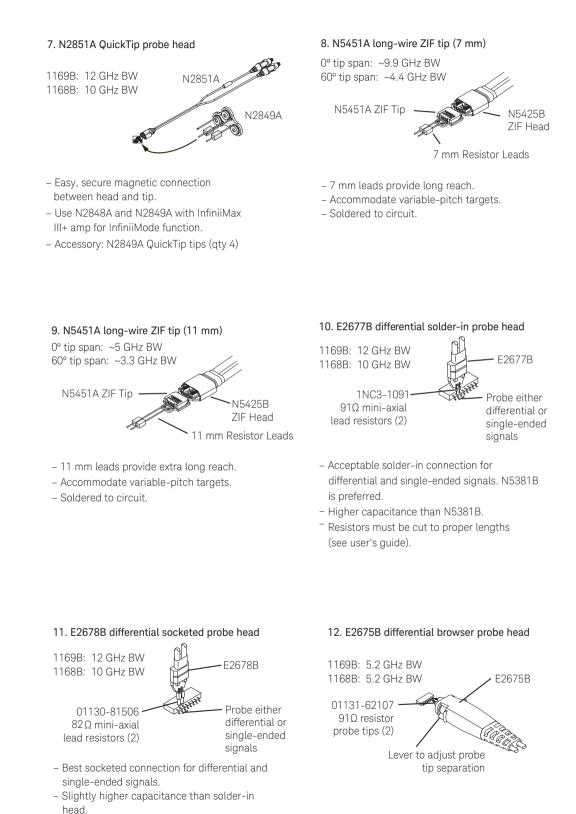
- For differential cable measurement with voltage termination.
- Removes inherent cable loss through compensation.
- Frees additional oscilloscope channels by using a single channel to measure differential signals (compared to using two oscilloscope channels).
- Offset matched SMA cables adapt to variable spacing.

6. N2884A fine wire ZIF tip



- High fidelity, high bandwidth differential probing of active IC.
- Flat frequency response over entire 12 GHz bandwidth.
- Greater rejection of common-mode noise due to use of local adjacent ground or node.
- Requires the N5425B ZIF head

Recommended Probe Head Configurations (continued) (listed in order of best performance)



- Resistors must be cut to proper lengths

(see user's guide).