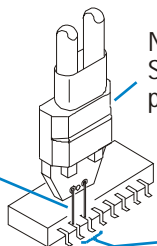


Recomended Probe Head Configurations

See other side of card for other configurations.
See the manual for detailed information.

#1 Solder-in Differential

01169-81301
0.007 inch
tin-plated
nickle wire (2)



N5381A
Solder-in differential
probe head

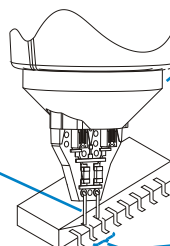
Probe either
differential or
single-ended signals

- 1169A: 12 GHz
- 1168A: 10 GHz

- Best solder-in connection for differential and single-ended signals.
- Lowest capacitance.
- Wires must be cut to proper lengths (see manual).

#2 Differential Browser

01169-21304
0.005 inch
steel wire (2)



N5382A
differential
browser
probe head

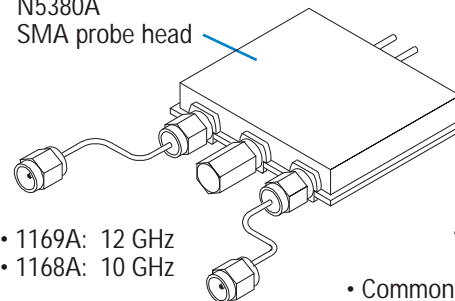
Probe either
differential or
single-ended signals

- 1169A: 12 GHz
- 1168A: 10 GHz

- Best hand held browser for differential and single-ended signals
- Lowest capacitance
- Wires must be cut to proper lengths (see manual).

#3 SMA Probe Head

N5380A
SMA probe head





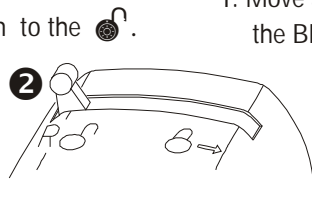
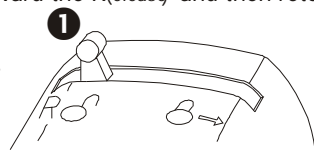
- 1169A: 12 GHz
- 1168A: 10 GHz

- Preserves scope channels for measuring differential signals (vs. A-B).
- Inherent cable loss compensation.
- Common mode termination voltage can be supplied.
- Offset SMA cables adapt to variable spacing.
- Full bandwidth

Connecting to and Disconnecting from Infiniium

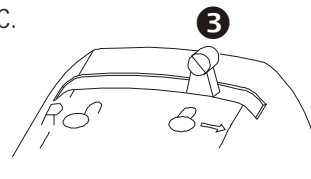
To Connect

1. Push the probe onto the BNC.
2. The lever will move toward the R_(release) and then return to the .
3. Move the lever toward  until snug.



To Disconnect

1. Move and hold the lever at R_(release) and pull the probe from the BNC.

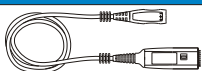


Good measurements require proper connections. Probes are delicate instruments.

Probe Compatibility

The 1168A and 1169A probes are mechanically compatible with the following oscilloscopes only:

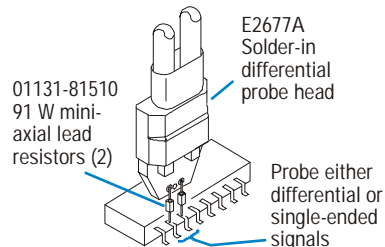
- DS081304A
- DS081204A
- DS081004A
- 54855A
- 54854A



Other Probe Head Configurations

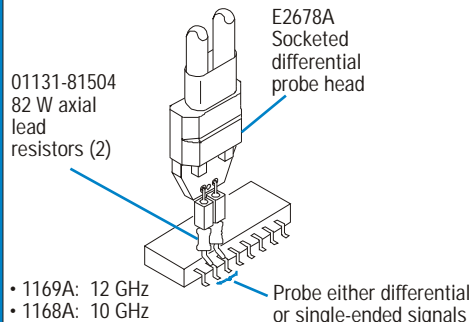
See other side of card for recommended configurations.
See the manual for detailed information.

#4 Solder-in Differential



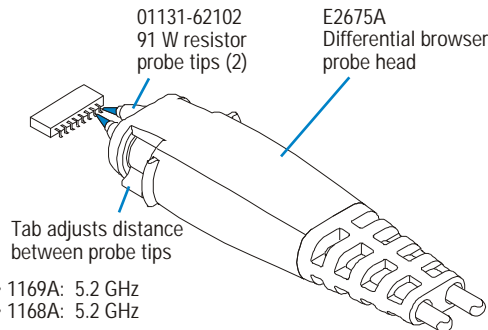
- 1169A: 12 GHz
- 1168A: 10 GHz
- Acceptable solder-in connection for differential and single-ended signals. N5381A is preferred.
- Higher capacitance than N5381A.
- Resistors must be cut to proper lengths (see manual).

#5 Socketed Differential



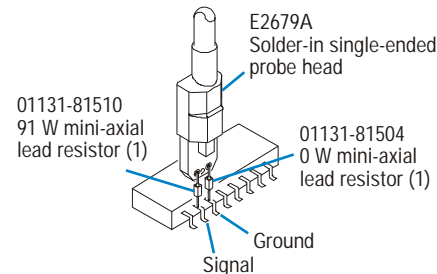
- 1169A: 12 GHz
- 1168A: 10 GHz
- Best socketed connection for differential and single-ended signals
- Slightly higher capacitance than #1
- Resistors must be cut to proper lengths (see manual).

#6 Differential Browser



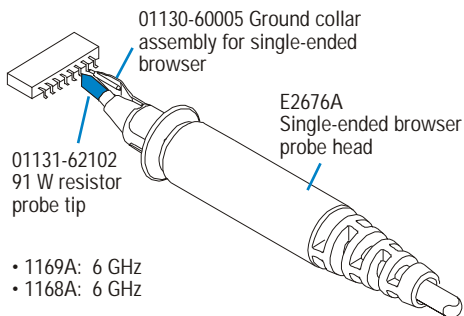
- 1169A: 5.2 GHz
- 1168A: 5.2 GHz
- More general purpose browser than 5382A. for differential and single-ended signals
- Lower bandwidth and higher capacitance than N5382A.

#7 Solder-in Single-ended



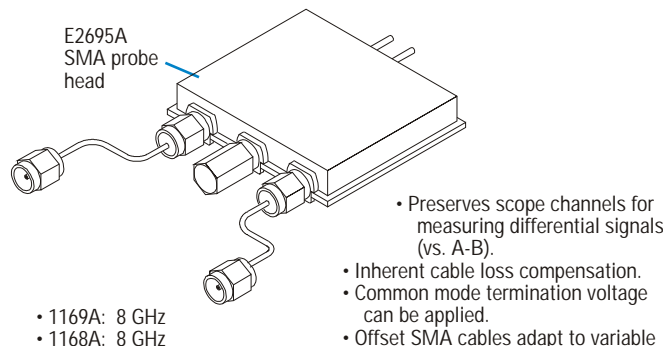
- 1169A: 5.2 GHz
- 1168A: 5.2 GHz
- Smallest probe head for single-ended signals
- Lowest capacitance single-ended probe head
- Resistors must be cut to proper lengths (see manual).

#8 Single-ended Browser



- 1169A: 6 GHz
- 1168A: 6 GHz
- Smallest browser for single-ended signals
- Slightly higher capacitance than #4
- Excessive peaking (+ 6 dB) at ~9 GHz; limit the bandwidth of input signal

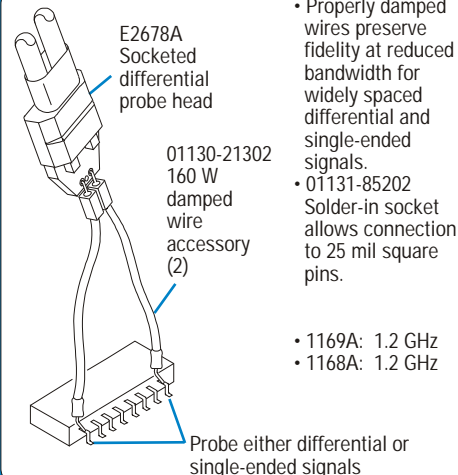
#9 SMA Probe Head



- Preserves scope channels for measuring differential signals (vs. A-B).
- Inherent cable loss compensation.
- Common mode termination voltage can be applied.
- Offset SMA cables adapt to variable spacing
- Full bandwidth

- 1169A: 8 GHz
- 1168A: 8 GHz

#10 Damped Wire Accessories



- Properly damped wires preserve fidelity at reduced bandwidth for widely spaced differential and single-ended signals.
- 01131-85202 Solder-in socket allows connection to 25 mil square pins.

- 1169A: 1.2 GHz
- 1168A: 1.2 GHz

Agilent Technologies
Printed in Malaysia

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