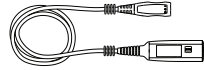


1130/1/2/4 InfiniiMax I Probes





Locate the user's guide

Download the comprehensive 1130/1/2/4 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.

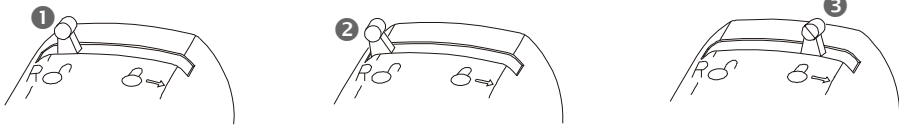
Compatible Oscilloscopes

3000X, 4000X, 6000X, 5000A, 6000A, 7000A, S-series, 90000A series, 90000 X/Q series (with N5442A adapter), 86100D (with N1022B adapter) 9000 H, 9000A, 8000A series

To connect the probe to the oscilloscope

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

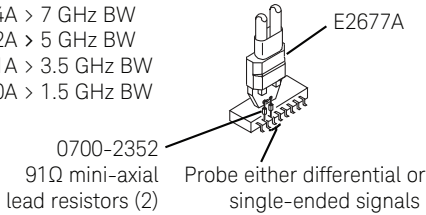
To disconnect, move and hold the lever at R (release) and pull the probe from the BNC.



Recommended probe head configurations (listed in order of best performance)

1. E2677A differential solder-in probe head

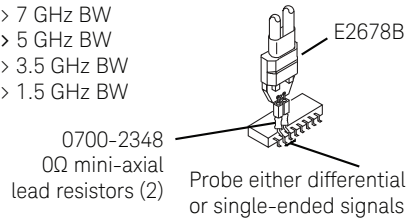
1134A > 7 GHz BW
1132A > 5 GHz BW
1131A > 3.5 GHz BW
1130A > 1.5 GHz BW



- Best solder-in connection for differential and single-ended signals.
- Lowest capacitance.
- Resistors must be cut to proper lengths (see user's guide).

2. E2678B differential socketed probe head

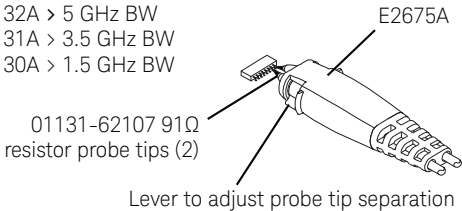
1134A > 7 GHz BW
1132A > 5 GHz BW
1131A > 3.5 GHz BW
1130A > 1.5 GHz BW



- Best socketed connection for differential and single-ended signals.
- Slightly higher capacitance than E2677A solder-in head.
- Resistors must be cut to proper lengths (see user's guide).

3. E2675A differential browser probe head

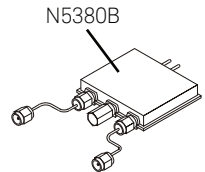
1134A \approx 6 GHz BW
1132A > 5 GHz BW
1131A > 3.5 GHz BW
1130A > 1.5 GHz BW



- Best hand (or probe holder) browser for differential and single-ended signals.
- Similar capacitance to configuration #2, E2678A differential socketed probe head.

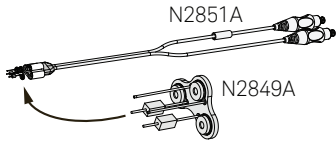
4. N5380B SMA probe head

1134A > 5.2 GHz BW
1132A > 4 GHz BW
1131A \approx 3.5 GHz BW
1130A > 1.5 GHz BW



- Preserves scope channels for measuring differential signals (vs. A-B).
- Inherent cable loss compensation.
- Common mode termination voltage can be supplied (-4V to +4V).
- Offset SMA cables adapt to variable spacing.

5. N2851A QuickTip probe head



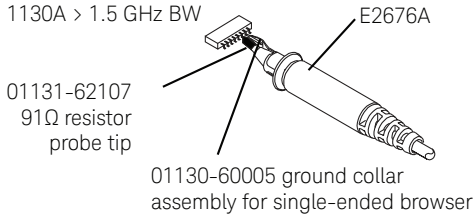
BW with Infiniium and:
 1134A = 7 GHz
 1132A = 5 GHz
 1131A = 3.5 GHz
 1130A = 1.5 GHz

BW with InfiniiVision
 is < 1.8 GHz

- Easy, secure magnetic connection between head and tip.
- Use N2848A and N2849A with InfiniiMax III+ amp for Infiniium mode function.
- Accessory: N2849A QuickTip tips (qty 4).

7. E2676A single-ended browser probe head

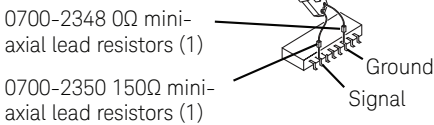
1134A \approx 5.5 GHz BW
 1132A \approx 4.8 GHz BW
 1131A > 3.5 GHz BW
 1130A > 1.5 GHz BW



- Smallest browser for single-ended signals.
- Slightly higher capacitance than configuration #4

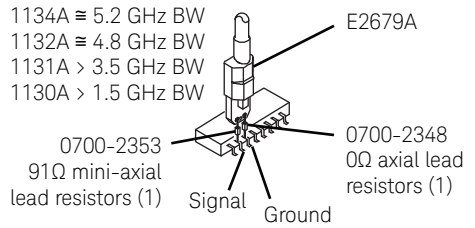
9. E2679A single-ended solder-in mid BW head

1134A \approx 2.2 GHz BW
 1132A \approx 2.2 GHz BW
 1131A \approx 2.2 GHz BW
 1130A > 1.5 GHz BW



- Smallest solder-in connection for better span and reach for single-ended signals
- Slightly higher capacitance than configuration #1
- Resistors must be cut to proper lengths (see user's guide)

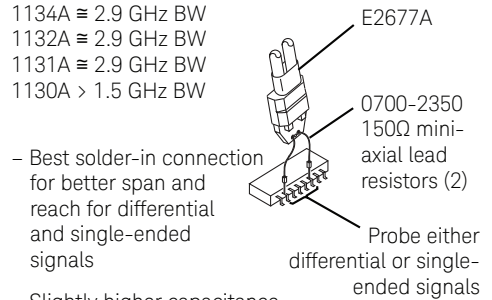
6. E2679A single-ended solder-in probe head



- Smallest probe head for single-ended signals
- Lowest capacitance single-ended probe head
- Resistors must be cut to proper lengths (see user's guide)

8. E2677A diff. solder-in mid-BW probe head

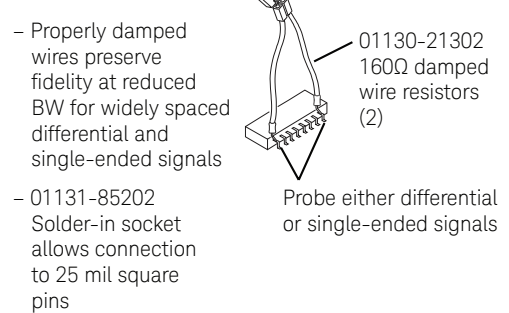
1134A \approx 2.9 GHz BW
 1132A \approx 2.9 GHz BW
 1131A \approx 2.9 GHz BW
 1130A > 1.5 GHz BW



- Best solder-in connection for better span and reach for differential and single-ended signals
- Slightly higher capacitance than configuration #1
- Resistors must be cut to proper lengths (see user's guide)

10. E2678B diff. socketed head with damped wire

1134A \approx 1.2 GHz BW
 1132A \approx 1.2 GHz BW
 1131A \approx 1.2 GHz BW
 1130A \approx 1.2 GHz BW



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

Probe safety information

- Maximum Input Voltage: 30V Peak, CAT I. 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.

