



Recommended Probe Head Configurations

The following configurations are shown in the order of best performance. See the manual for detailed information.

#1 Solder-in Differential

01131-81508
100 Ω mini-axial lead resistors (2)

E2677A
Solder-in differential probe head

Probe either differential or single-ended signals

- 1134A > 7 GHz
- 1132A > 5 GHz
- 1131A > 3.5 GHz
- Best solder-in connection for differential and single-ended signals
- Lowest capacitance
- Resistors must be cut to proper lengths (see manual).

#2 Socketed Differential

01131-81504
82 Ω axial lead resistors (2)

E2678A
Socketed differential probe head

Probe either differential or single-ended signals

- 1134A > 7 GHz
- 1132A > 5 GHz
- 1131A > 3.5 GHz
- Best socketed connection for differential and single-ended signals
- Slightly higher capacitance than #1
- Resistors must be cut to proper lengths (see manual).

#3 Differential Browser

01131-62102
91 Ω resistor probe tips (2)

E2675A
Differential browser probe head

Tab to adjust the distance between probe tips

- 1134A \approx 6 GHz
- 1132A \approx 5 GHz
- 1131A \approx 3.5 GHz
- Best hand (or probe holder) browser for differential and single-ended signals
- Similar capacitance to #2

#4 Solder-in Single-ended

01131-81508
100 Ω mini-axial lead resistor (1)

E2679A
Solder-in single-ended probe head

01131-81504
0 Ω mini-axial lead resistor (1)

Signal

Ground

- 1134A \approx 5.2 GHz
- 1132A \approx 4.8 GHz
- 1131A \approx 3.5 GHz
- Smallest probe head for single-ended signals
- Lowest capacitance single-ended probe head
- Resistors must be cut to proper lengths (see manual).

#5 Single-ended Browser

01131-62102
91 Ω resistor probe tip

E2676A
Single-ended browser probe head

01130-60005 Ground collar assembly for single-ended browser

- Smallest browser for single-ended signals
- Slightly higher capacitance than #4
- 1134A \approx 5.5 GHz
- 1132A \approx 4.8 GHz
- 1131A \approx 3.5 GHz

#6 Solder-in Differential Mid Bandwidth

E2677A
Solder-in differential probe head

01131-81506
150 Ω mini-axial lead resistors (2)

Probe either differential or single-ended signals

- Best solder-in connection for better span and reach for differential and single-ended signals
- Slightly higher capacitance than #1
- Resistors must be cut to proper lengths (see manual).
- 1134A \approx 2.9 GHz
- 1132A \approx 2.9 GHz
- 1131A \approx 2.9 GHz

#7 Solder-in Single-ended Mid Bandwidth

E2679A
Solder-in single-ended probe head

01131-81506
150 Ω mini-axial lead resistor (1)

01131-81504
0 Ω mini-axial lead resistor (1)

Signal

Ground

- 1134A \approx 2.2 GHz
- 1132A \approx 2.2 GHz
- 1131A \approx 2.2 GHz
- Smallest solder-in connection for better span and reach of single-ended signals
- Slightly higher capacitance than #4
- Resistors must be cut to proper length (see manual)

#8 Damped Wire Accessories

E2678A
Socketed differential probe head

01130-21302
160 Ω damped wire accessory (2)

Probe either differential or single-ended signals

- 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.
- 1134A \approx 1.2 GHz
- 1132A \approx 1.2 GHz
- 1131A \approx 1.2 GHz

Agilent Technologies
Printed in Malaysia
Part Number 01134-92000

