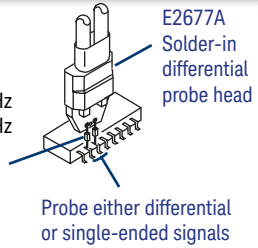
KEYSIGHT TECHNOLOGIES

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

1. Solder-In Differential

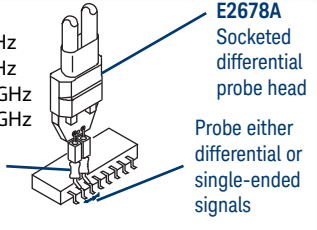
BANDWIDTH
- 1134A > 7 GHz
- 1132A > 5 GHz
- 1131A > 3.5 GHz
- 1130A > 1.5 GHz



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

2. Socketed Differential

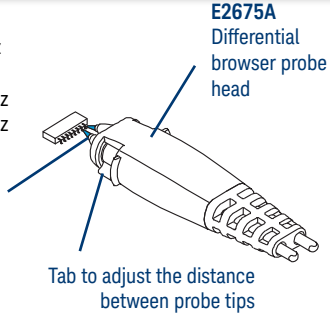
BANDWIDTH
- 1134A > 7 GHz
- 1132A > 5 GHz
- 1131A > 3.5 GHz
- 1130A > 1.5 GHz



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

3. Differential Browser

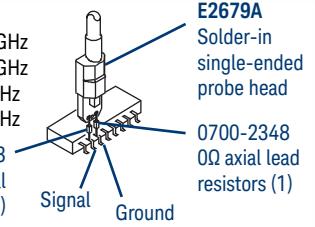
BANDWIDTH
- 1134A ≅ 6 GHz
- 1132A > 5 GHz
- 1131A > 3.5 GHz
- 1130A > 1.5 GHz



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

4. Solder-In Single-Ended

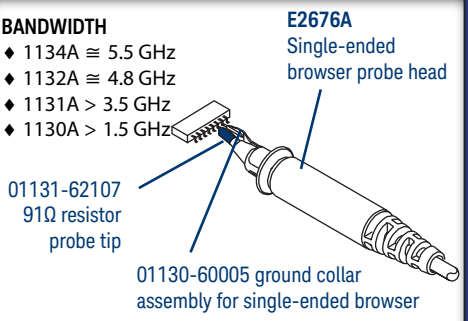
BANDWIDTH
- 1134A ≅ 5.2 GHz
- 1132A ≅ 4.8 GHz
- 1131A > 3.5 GHz
- 1130A > 1.5 GHz



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

5. Single-Ended Browser

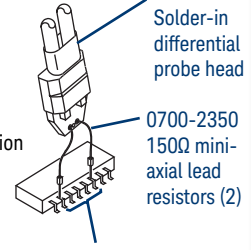
BANDWIDTH
- 1134A ≅ 5.5 GHz
- 1132A ≅ 4.8 GHz
- 1131A > 3.5 GHz
- 1130A > 1.5 GHz



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

6. Solder-In Differential Mid BW

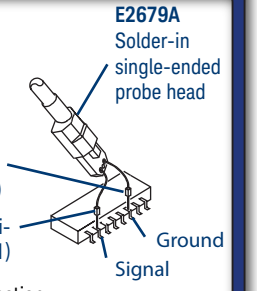
BANDWIDTH
- 1134A ≅ 2.9 GHz
- 1132A ≅ 2.9 GHz
- 1131A ≅ 2.9 GHz
- 1130A > 1.5 GHz



- 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)

7. Solder-In Single-Ended Mid BW

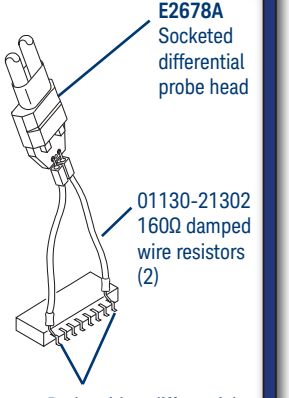
BANDWIDTH
- 1134A ≅ 2.2 GHz
- 1132A ≅ 2.2 GHz
- 1131A ≅ 2.2 GHz
- 1130A > 1.5 GHz



- 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)

8. Damped Wire Accessories

BANDWIDTH
- 1134A ≅ 1.2 GHz
- 1132A ≅ 1.2 GHz
- 1131A ≅ 1.2 GHz
- 1130A ≅ 1.2 GHz



- 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

Keysight Technologies
Printed in USA

01134-92006
May 2013