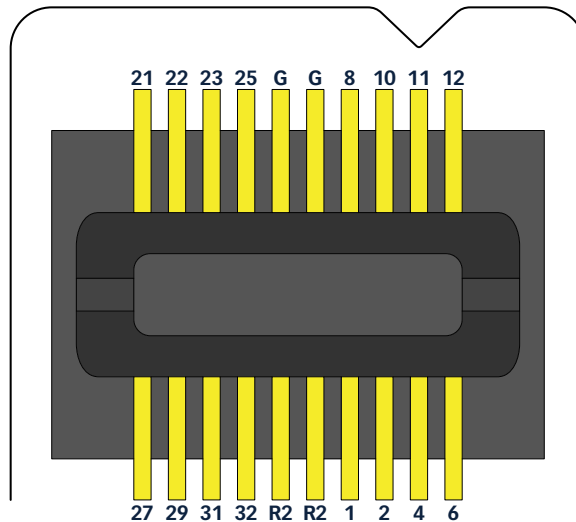
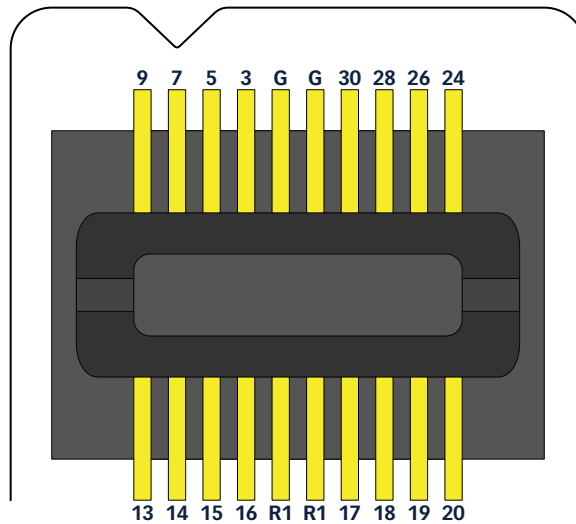


Z32 Connector

p.1



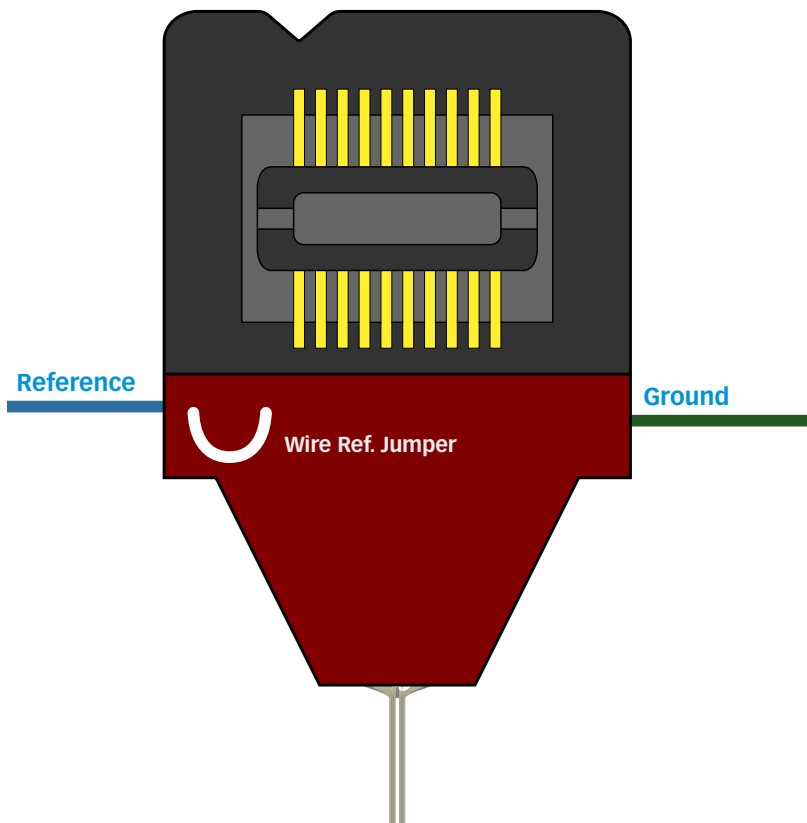
SPECIFICATIONS

Connector ZIF Clip® Connector, 32 Channels

Mating Connector ZIF Clip® Headstage, 32 Channels

Reference Channel Configuration (Gen. 5)

p.2



The Z16/Z32 Gen. 5 package has 2 insulated wires and 1 wire jumper. The Ground wire is green. The blue Reference wire corresponds to the Reference pins on the Zif Clip™ connector.

Please read fully before making your desired changes - it may not be possible to reconnect the wire loops once they have been cut.

NeuroNexus recommends taking one of three possible reference configuration options. **You must choose one option (see below) and act accordingly or a ground loop may form.**

If your probe has a Probe Reference site, and you want to use it, follow these instructions:

1. **Trim the uninsulated end of the Blue Reference wire.** Ensure the wire is not implanted or connected.
2. Channels R1 and R2 serve as the Probe Reference.

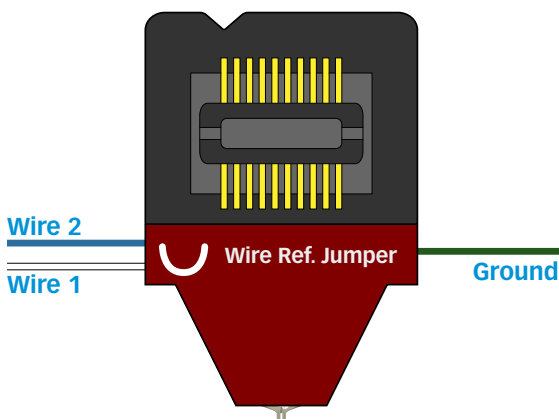
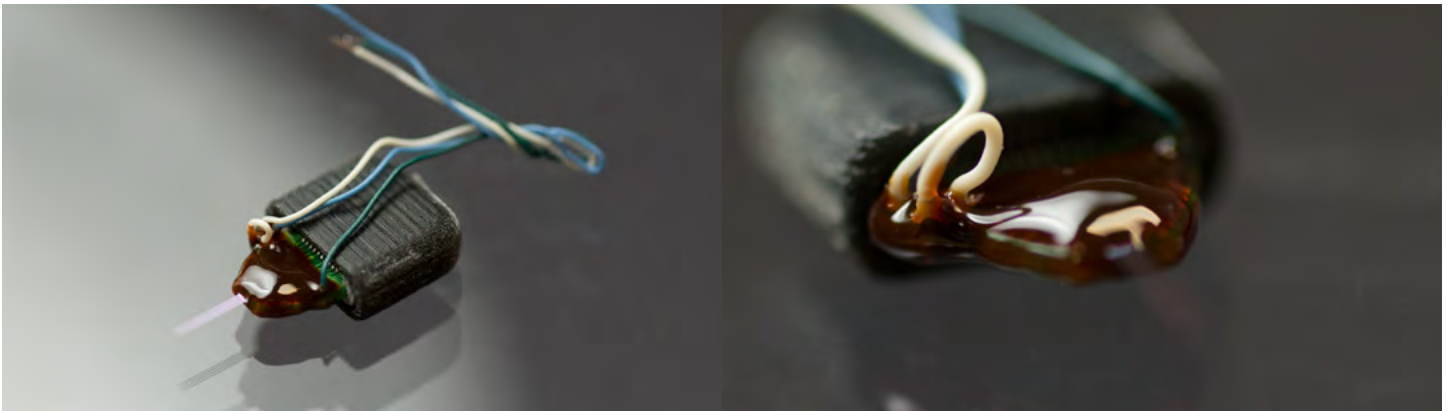
To use an external reference source, follow these instructions:

1. **Cut the white Reference jumper.** Connect the Blue reference wire to your reference.
2. Channels R1 and R2 both serve as the external reference.

Note: For proper grounding, please use the correct wiring configuration for your probe

Reference Channel Configuration (3 Wires, 1 Jumper)

p.3



The Z16/Z32 Gen. 4 package has 3 insulated wires and 1 wire loop jumper. The Ground wire is green. Wires 1 and 2 correspond to the Reference pins on the Zif Clip™ connector (Wire 1 connects to R1, etc.). **Please read fully before making your desired changes - it may not be possible to reconnect the wire loops once they have been cut.**

NeuroNexus recommends taking one of three possible reference configuration options. **You must choose one option (see below) and act accordingly or a ground loop may form.**

If your probe has a Probe Reference site, and you want to use it, follow these instructions:

1. **Cut** Wire 1 (white)
2. Channel R1 serves as the Probe Reference. Wire 2 (blue) connects an external reference to Channel R2; if you do not want to use an external reference, cut Wire 2.

To use only 1 external reference source, follow these instructions:

1. **Cut** the Wire Reference Jumper
2. Tie Wire 1 and Wire 2 together. Channels R1 and R2 both serve as the external reference.

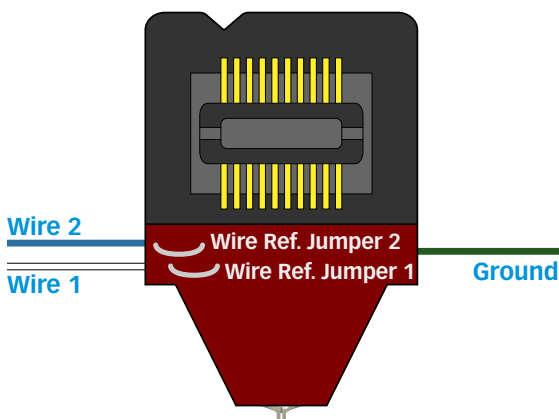
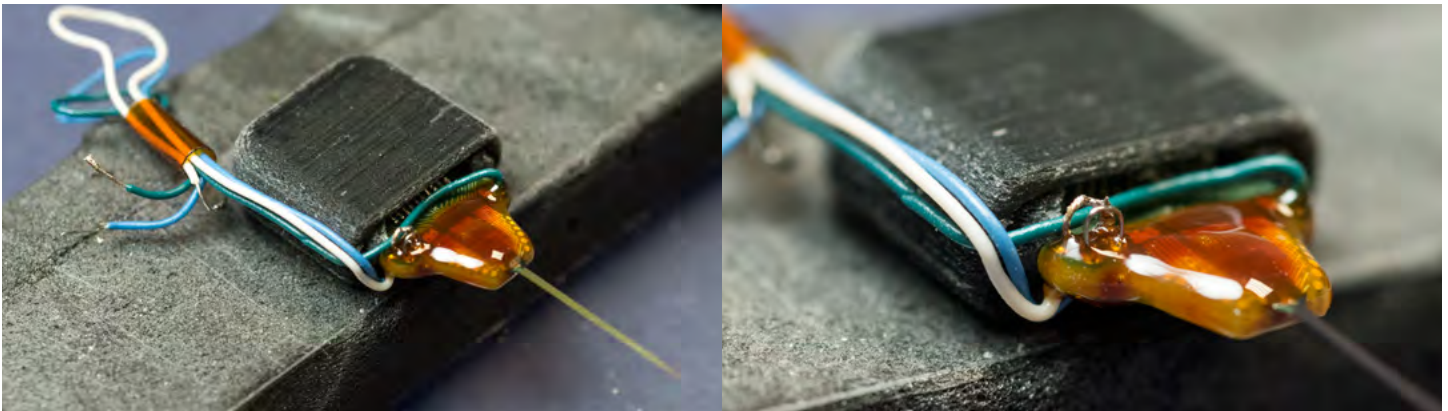
To use 2 external reference sources, follow these instructions:

1. **Cut** the Wire Reference Jumper
2. Channels R1 and R2 serve as independent external references. Wire 1 (white) feeds into Channel R1, and Wire 2 (blue) feeds into Channel R2.

Note: For proper grounding, please use the correct wiring configuration for your probe

Reference Channel Configuration (3 Wires, 2 Jumpers)

p.4



The Z16/Z32 Gen. 3 package has 3 colored insulated wires and 2 bare wire loop jumpers (see above). The Ground wire is green. Wires 1 and 2 correspond to the Reference pins on the Zif Clip™ connector (Wire 1 connects to R1, etc.). **Please read fully before making your desired changes - it may not be possible to reconnect the wire loops once they have been cut.**

NeuroNexus recommends taking one of three possible reference configuration options. **You must choose one option (see below) and act accordingly or a ground loop may form.**

If your probe has a Probe Reference site, and you want to use it, follow these instructions:

1. **Cut** Wire Reference Jumper 2
2. **Cut** Wire 1 (white)
3. Channel R1 serves as the Probe Reference. Wire 2 (blue) connects an external reference to Channel R2; if you do not want to use an external reference, cut Wire 2.

To use only 1 external reference source, follow these instructions:

1. **Cut** Wire Reference Jumper 1
2. **Cut** Wire 1. Channels R1 and R2 both serve as the external reference.

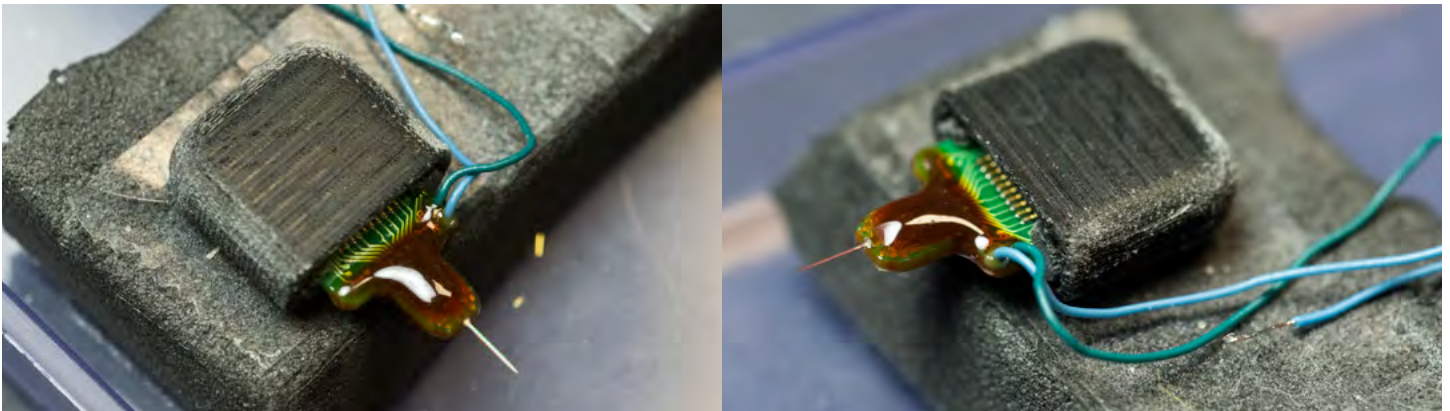
To use 2 external reference sources, follow these instructions:

1. **Cut** both Wire Reference Jumpers
2. Channels R1 and R2 serve as independent external references. Wire 1 (white) feeds into Channel R1, and Wire 2 (blue) feeds into Channel R2.

Note: For proper grounding, please use the correct wiring configuration for your probe

Reference Channel Configuration (2 Insulated Wires, No Jumpers)

p.5



The Z16/Z32 Gen. 2 package has no wire loop jumpers (see above) and 2 colored insulated wires. The Ground wire is green.

IMPORTANT: Check our catalog to see if your probe model has a probe reference (PR) site.

If your design has a PR site, and you plan on using it:

1. **Cut** the Reference wire (blue)
2. Make sure that the PR site is completely implanted
3. Reference channels R1 and R2 function as the Probe Reference (Z16 packages only have 1 Reference channel)

If your probe does not have a PR site, connect the Reference wire to your external reference source. Reference channels R1 and R2 function as the External Reference.

Note: For proper grounding, please use the correct wiring configuration for your probe

Reference Channel Configuration (2 Uninsulated Wires, No Jumpers)

p.6



The Z16/Z32 Gen. 1 package has no wire loop jumpers (see above) and 2 bare wires. The Ground wire is designated with black shrink wrap.

IMPORTANT: Check our catalog to see if your probe model has a probe reference (PR) site.

If your design has a PR site, and you plan on using it:

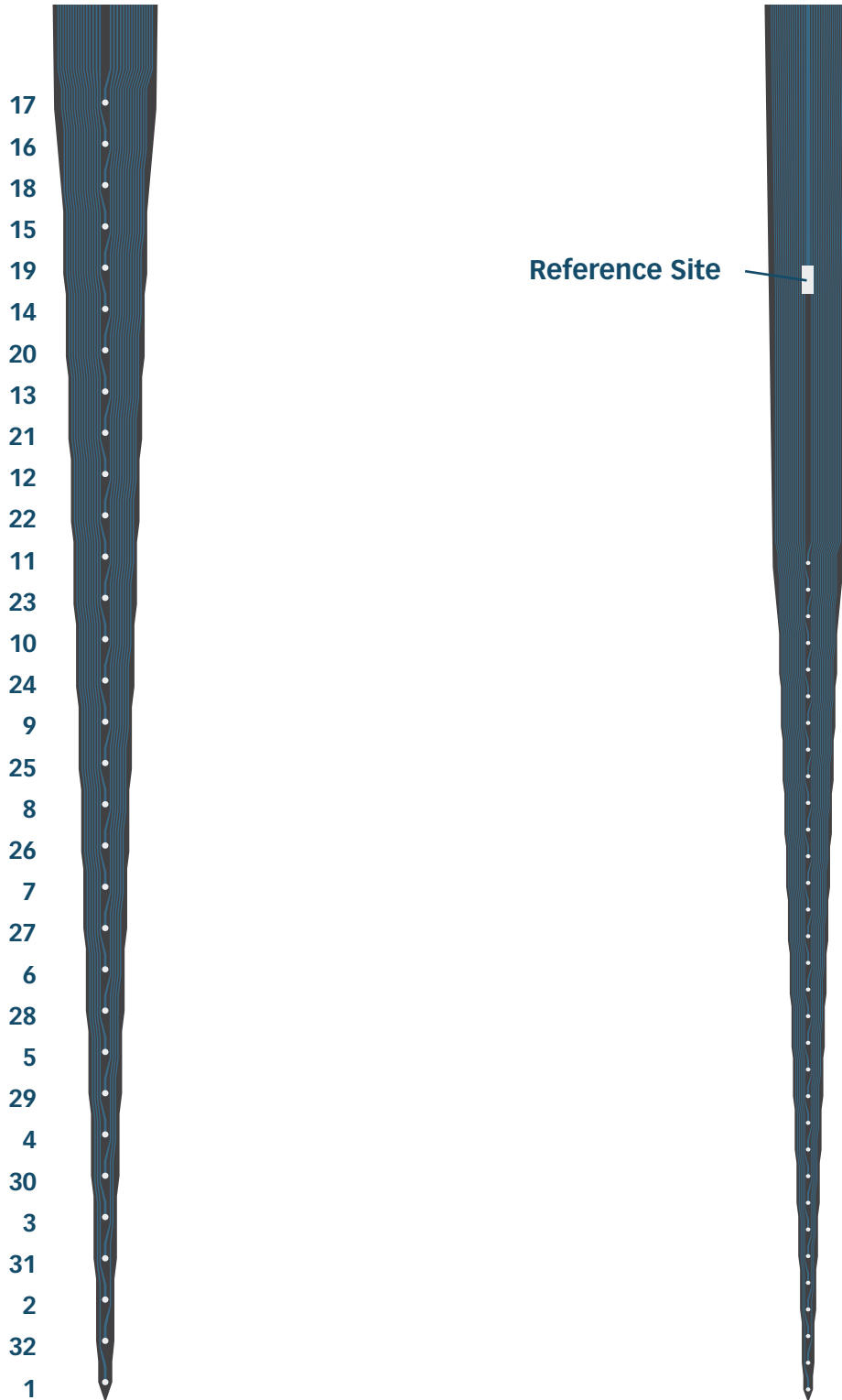
1. **Cut** the Reference wire (the Reference wire does *not* have black shrink wrap)
2. Make sure that the PR site is completely implanted
3. Reference channels R1 and R2 function as the Probe Reference (Z16 packages only have 1 Reference channel)

If your probe does not have a PR site, connect the Reference wire to your external reference source. Reference channels R1 and R2 function as the External Reference.



A1x32

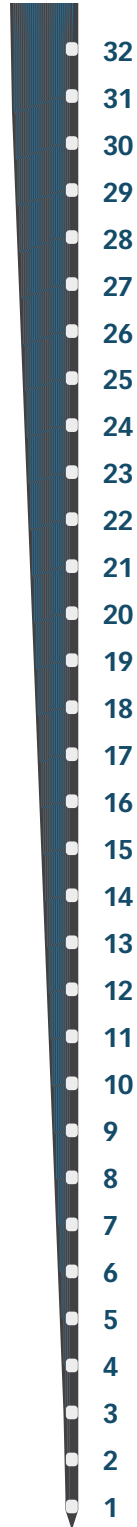
p.7





A1x32-Edge

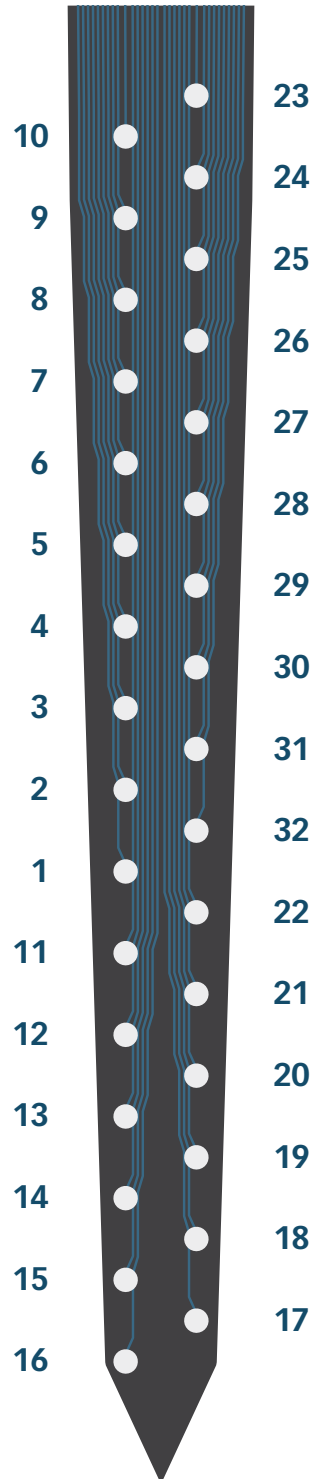
p.8





A1x32-Poly2

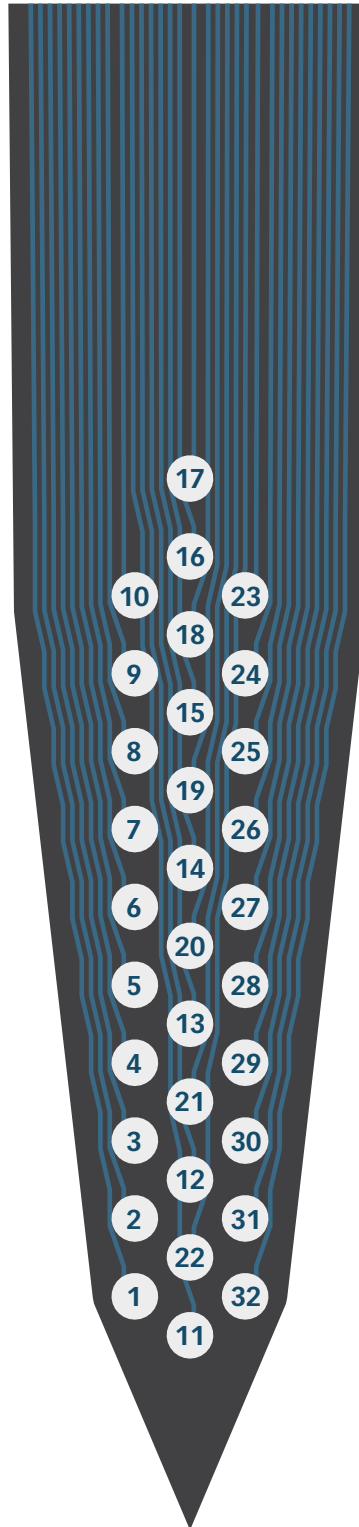
p.9





A1x32-Poly3-5mm-25s-177
A1x32-Poly3-10mm-25s-177

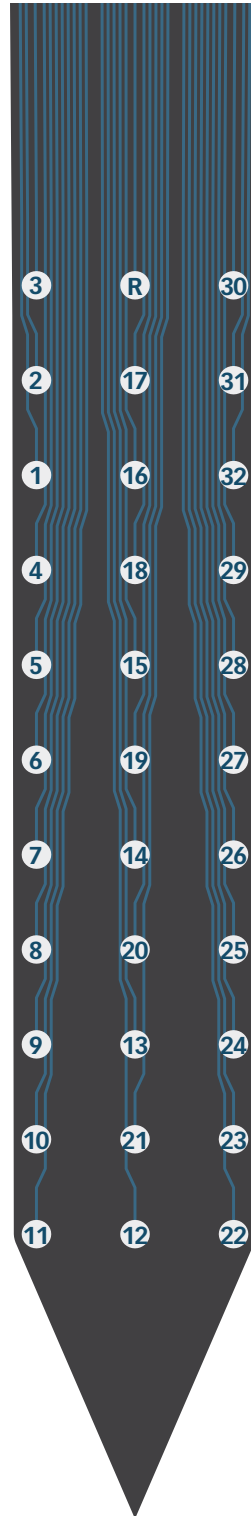
p.10





A1x32-Poly3-6mm-50-177

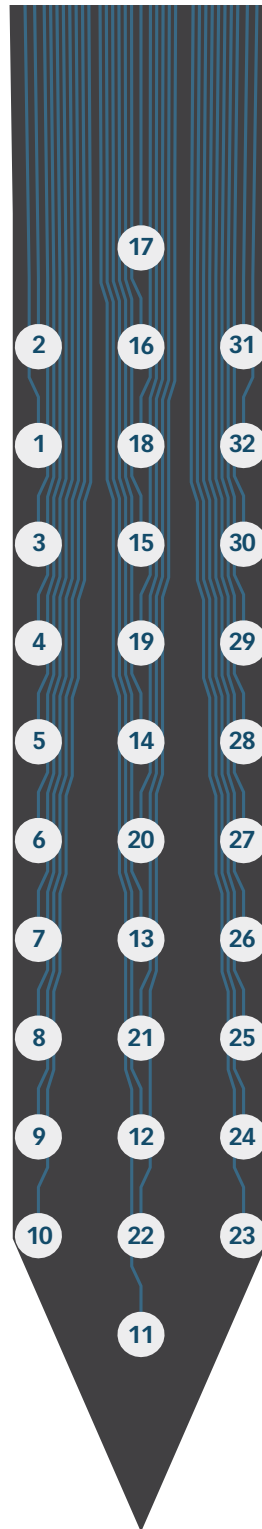
p.11





A1x32-Poly3-10mm-50-177

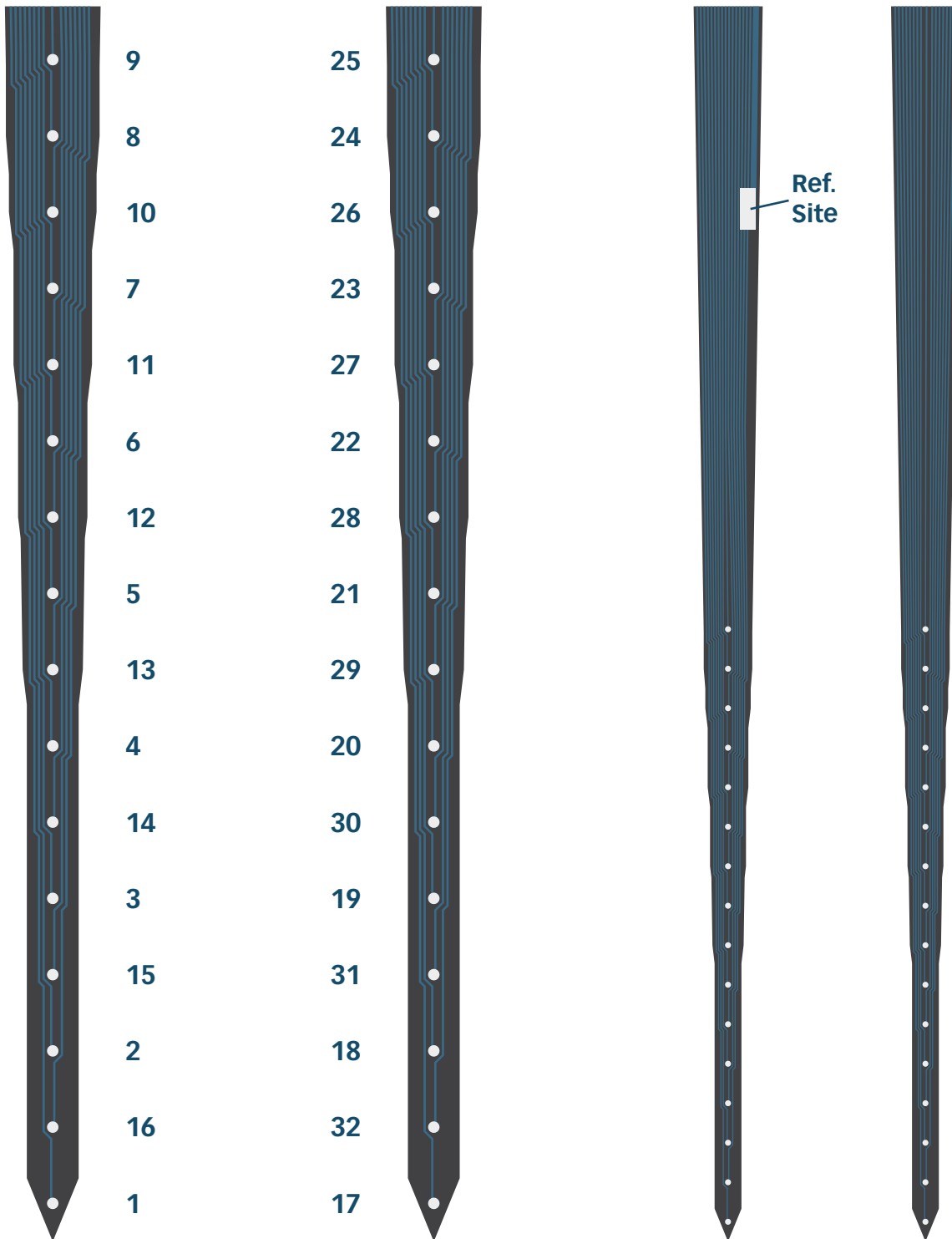
p.12





A2x16

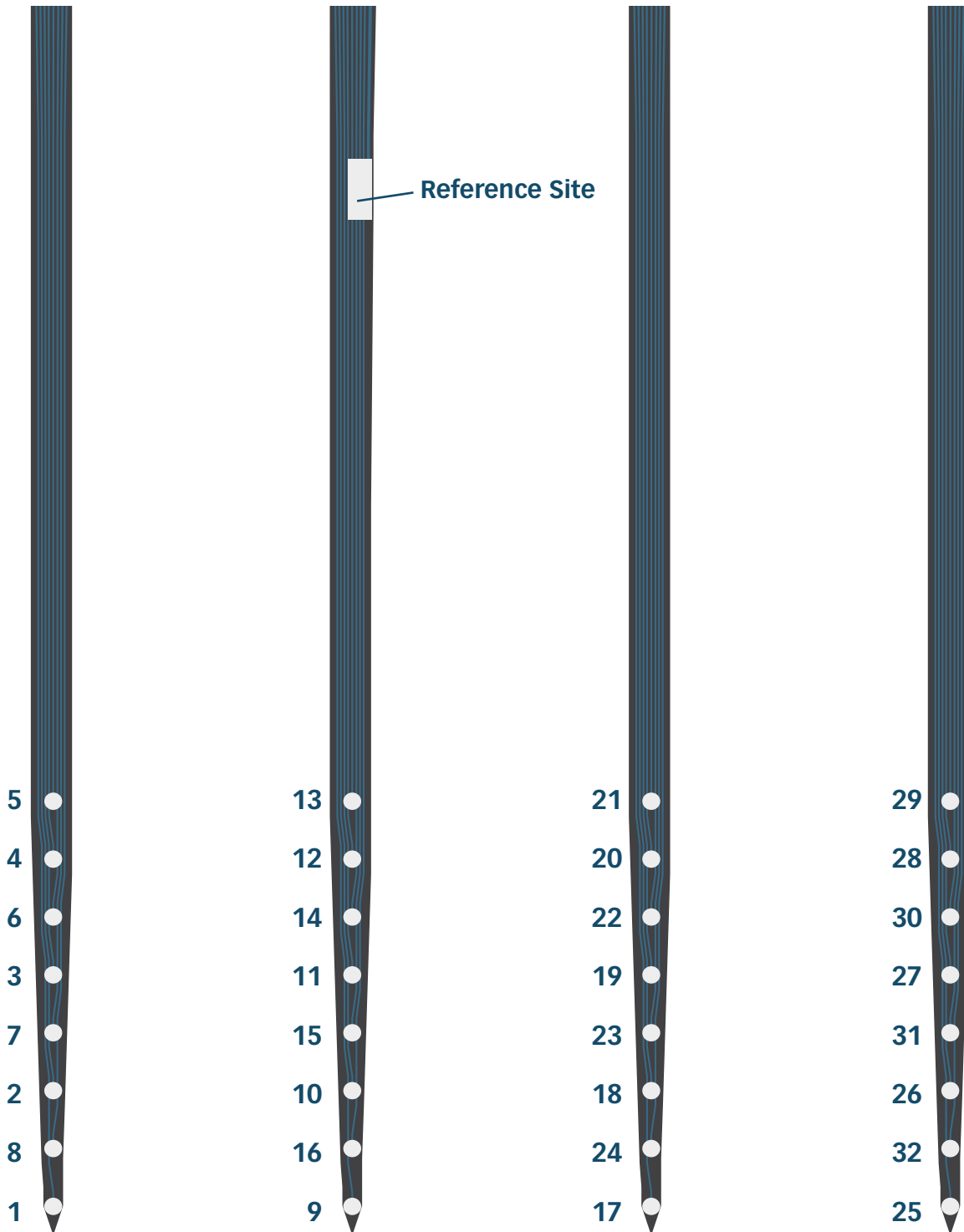
p.13





A4x8

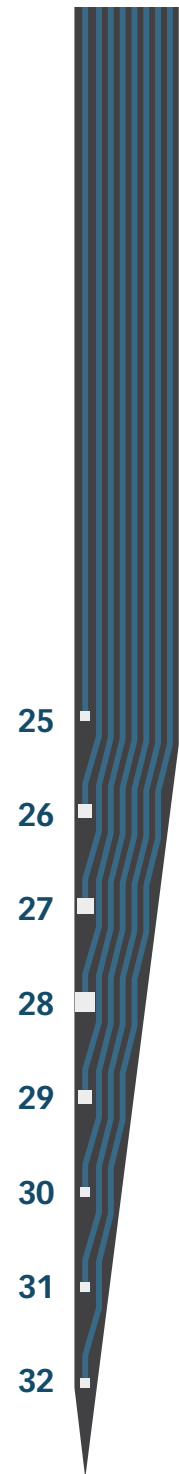
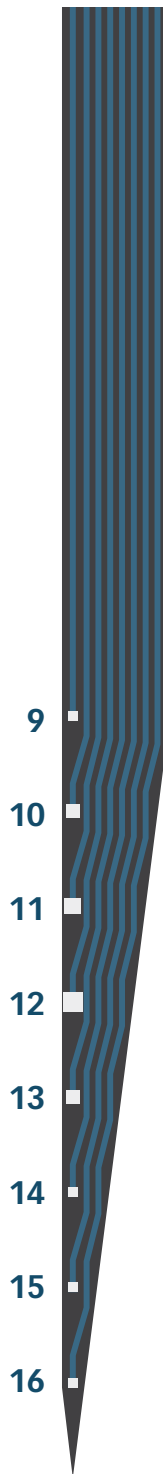
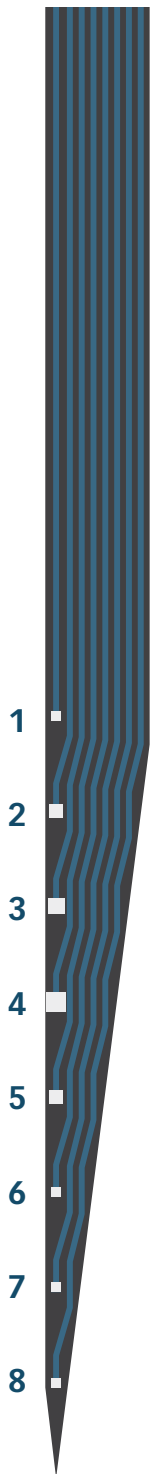
p.14





A4x8-10mm-50-200-VAR

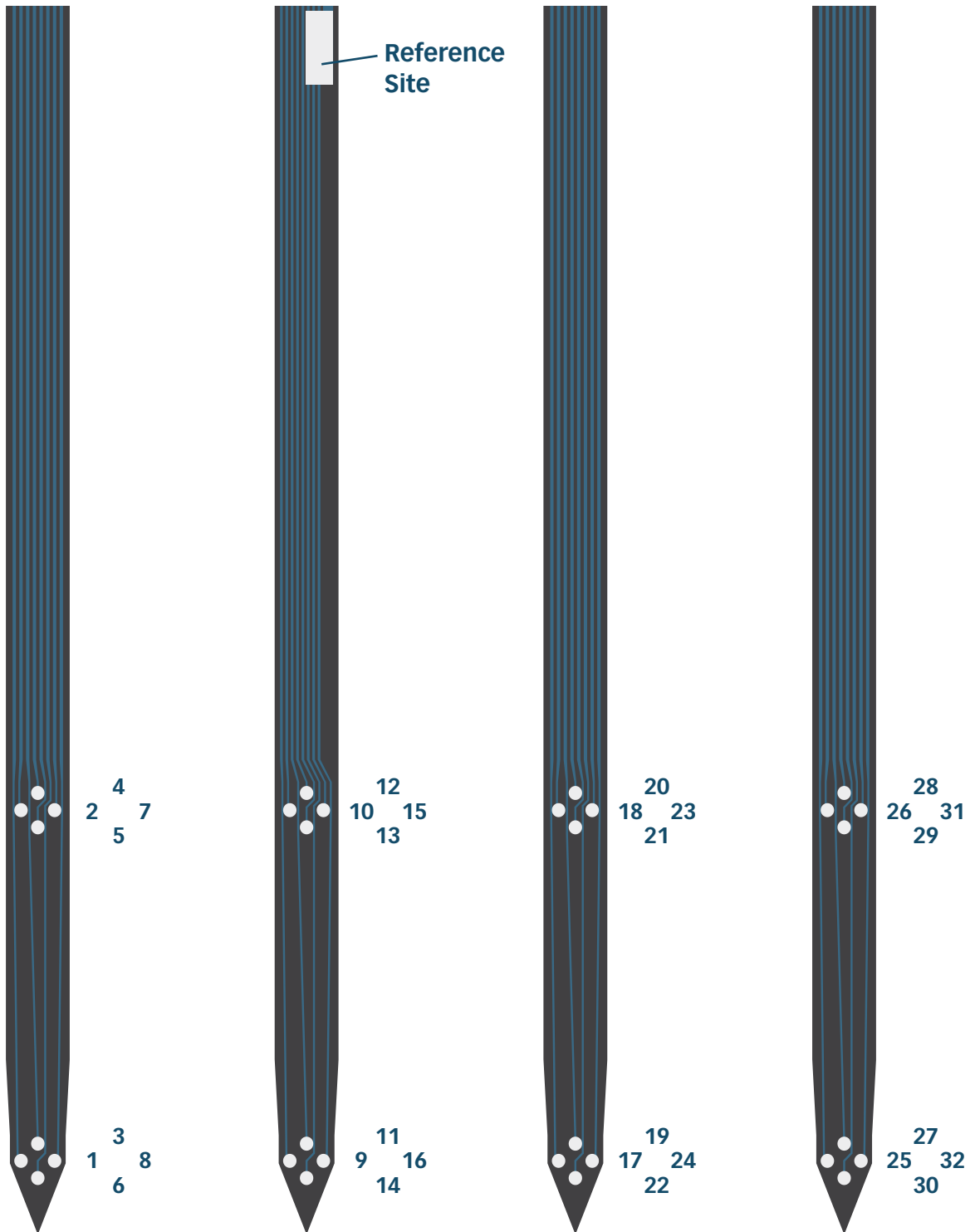
p.15





A4x2-tet

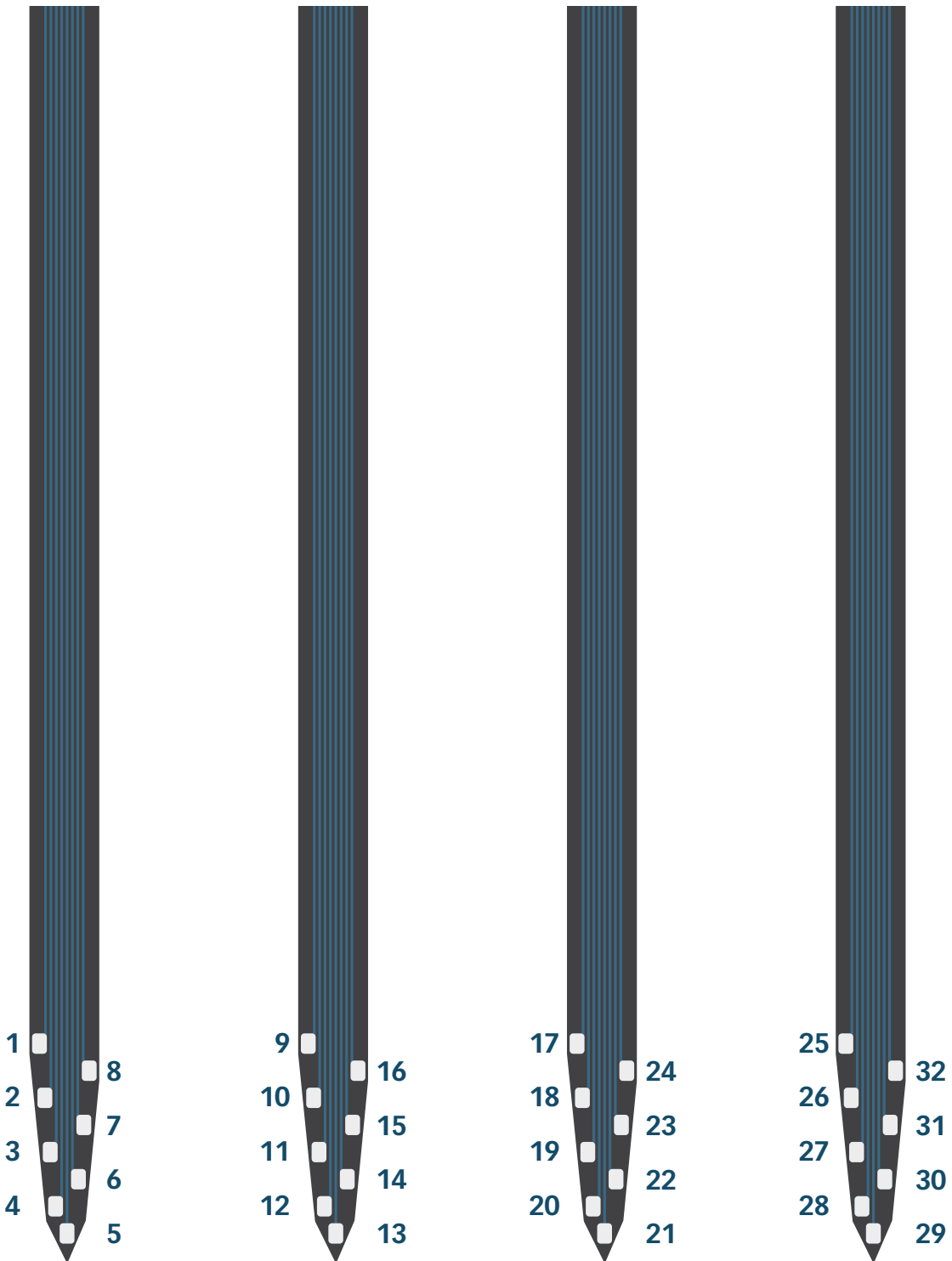
p.16





Buzsaki32

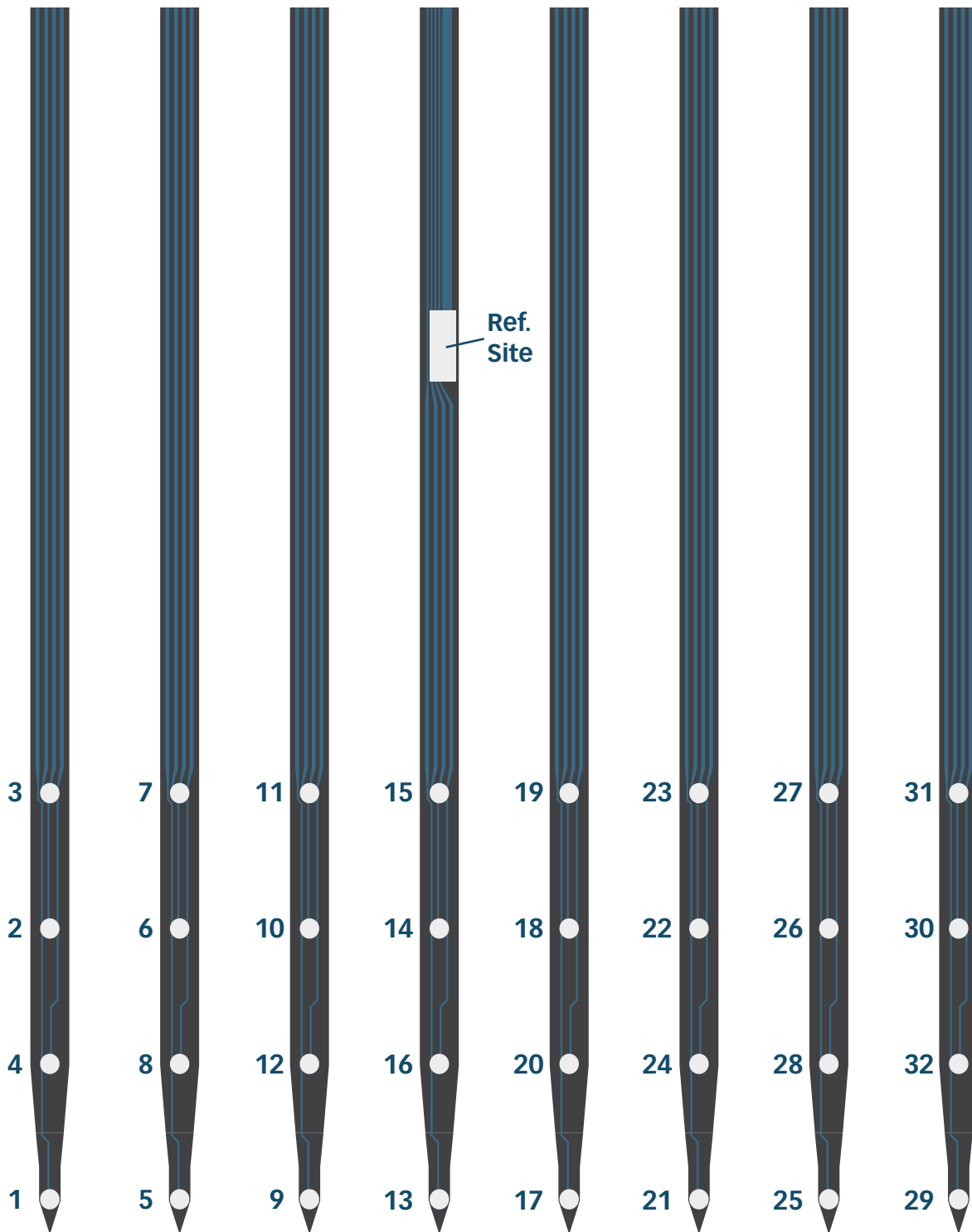
p.17





A8x4

p.18





A8x1-tet

p.19

