
NEX-2X-PROBE



- Reduces by 50% the circuit board area needed to probe 34 channels
- Uses only two retaining holes to hold down two probes
- Easy modification to Tektronix probes
- Probes can be returned to their original state

Connection Instructions (refer to pictures)

- Ensure that the product contains the correct amount of hardware.



Photo shows the Nut driver, two screws, and two nuts

- Select the two P6860/80/64 or P6419 probe heads to connect on opposite sides of the target circuit board using the same retaining holes.
- Ensure that the selected probe heads have the “gray” elastomer holder. These holders are available from Tektronix (part number 020-2452-00).^{i ii}



Gray Elastomer ready to install on probes

- Remove the standard Tektronix screws from the selected probe heads using the supplied 3/16” Nut driver.
- Insert the new longer screws into one of the selected probe heads and screw in using the supplied Nut driver. ⁱⁱⁱ



Bottom probe shown with screws installed

- Place the screws through the retaining hole in the circuit board.
 - Ensure that you have the proper probe head on the correct side of the target PCB.
 - Verify that the Keying pin on the elastomer holder is aligned with the Keying hole. ^{iv}
- Place the second (mating) probe head on the opposite side of the target PCB ensuring that the elastomer Keying pin is properly aligned.
- Using the Nut Driver continue to drive the new longer screw into the second probe head until the screw appears out of the top (cable end) of the second probe head.

- Attach one of the supplied nuts to the end of each screw. While holding both probe tips at a perpendicular angle to the PCB, evenly finger tighten both nuts until snug, not to exceed 1 in-lbs. A torque driver should be used to ensure correct torque. If the nut on the end of the screw slips while tightening, use the supplied Nut Driver to keep it from turning.



PCB with back-to-back P6860 probes installed

- To return the probes to an unmodified state reverse the above instructions.

Ordering / Contact Information

Part Number NEX-2X-PROBE

Includes: Qty. 8 Long Screws
Qty. 8 Nuts
Qty. 1 3/16" Nut Driver
Datasheet

The following items are enough to configure 8 compression probe heads.

Postal: Nexus Technology, Inc.
78 Northeastern Blvd. #2
Nashua, NH 03062

Telephone: 877-595-8116

Fax: 877-595-8118

Email: support@nexustechnology.com
quotes@nexustechnology.com
techsupport@nexustechnology.com

Website: www.nexustechnology.com

Placing an Order

Credit Card orders can be placed directly at 877-595-8116.

Purchase orders can be faxed to 877-595-8118.

Nexus Technology, Inc. reserves the right to make changes in design or specification at any time without notice. Nexus Technology, Inc. does not assume responsibility for use of any circuitry described. All trademarks are the property of their respective owners.

ⁱ The gray elastomer holders, originally designed for thick PCBs, require different size retaining holes than the back Elastomer holders. Please refer to the P6810, P6860, and P6880 Logic Analyzer Probes Instruction Manual (171-1059-01) page 2-27 for the correct size retaining hole. This manual can be down loaded from the Tektronix Web site under the Logic Analyzer section. The gray elastomer holders are required as they aid in the proper positioning of the probes on the target PCB.

ⁱⁱ For PCB thicknesses less than 0.069" care must be taken to insure even co-planarity of the PCB so that the Logic Analyzer probes will make correct contact with their pads. Warped or bent circuit boards will not allow good probe-to-PCB connection.

ⁱⁱⁱ When screwing in the longer NEXUS screws, or replacing the older Tektronix screws care must be taken to not cross thread the internal plastic threads in the center of the probe tip. It is suggested that several turns of the screw be made with your fingers before using the Nut Driver.

^{iv} Since there will be Probe compression pads on both sides of the PCB, there must be a separate Key alignment holes (2).