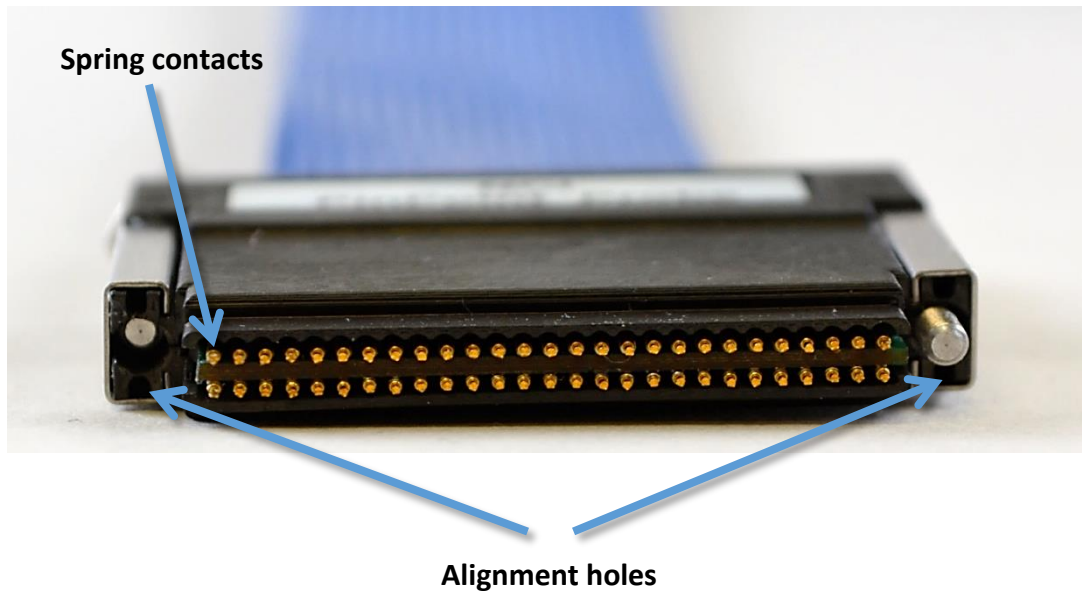


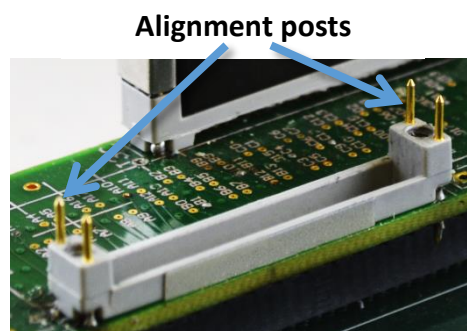
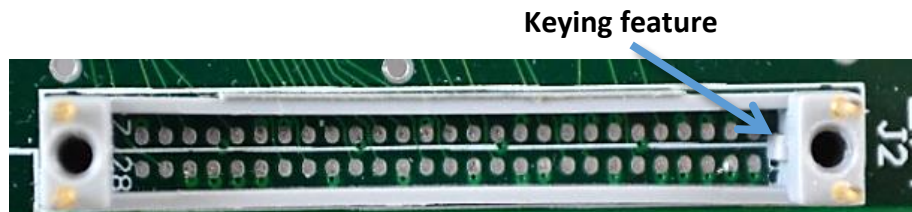
NCI Pinpoint™ Probe Quick Start Guide

The NCI Pinpoint™ retention module is compatible with the Agilent®/Keysight® SoftTouch™ retention module. The pin layout is identical for both retention modules.

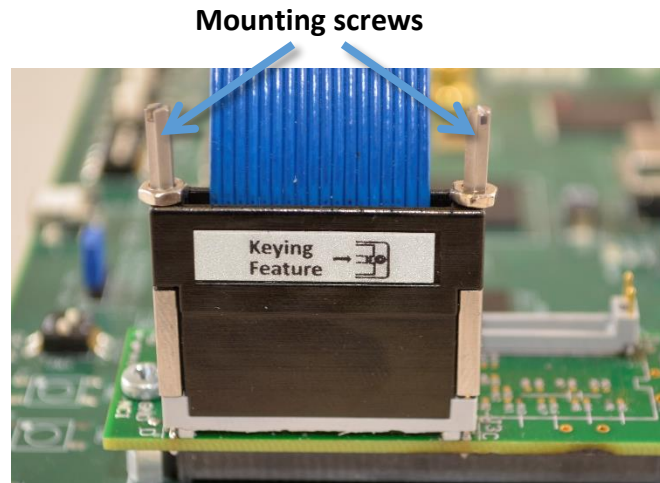
1. Take care when inserting the probe tip into the retention module. The spring contacts on the probe tip are very delicate...



2. Note the keying feature inside the retention module. The probe's "Keying Feature" label points to the keying feature when plugging the Pinpoint Probe into the retention module...



3. Ensure the retention module's keying feature agrees with the probe label then guide the four posts into the probe's four alignment holes. Gently press the probe straight down into the retention module unit it's fully seated...



4. Ensure your test circuit is powered and has active signals. The GoLogic7 software activity indicators are used in the next step to verify the pin connections.
5. Run the GoLogic7 software and view the activity indicators in the "Channels" tab. Channels used in groups indicate they are connected to a signal. These signals should actively change value while your circuit runs...

Activity indicators show good and bad pin connections

FILE CHANNELS SERIAL TRIGGER DATA VIEW FIND OPTIONS HELP TEST

Single-ended All (72 channels) Normal timing 1 MHz Samples: 67M Trigger: Simple Prestore: 20%

Display: Pods Actions: Choose an action...

address 8 bits A00-A07

Name: address Apply ☐ Show "active low" line above name.

Channels: A00-A07 Apply

Color: more... A/D Conversion... Symbol table... (None loaded)

Pod B Pod A

15	8	7	0
1.50V	1.50V	1.50V	1.50V
7 6 5 4 3 2 1 0 9 8 7 6 5 4 3 2 1 0	7 6 5 4 3 2 1 0 9 8 7 6 5 4 3 2 1 0	7 6 5 4 3 2 1 0 9 8 7 6 5 4 3 2 1 0	7 6 5 4 3 2 1 0 9 8 7 6 5 4 3 2 1 0

Pod D Pod C

15	8	7	0
1.50V	1.50V	1.50V	1.50V
7 6 5 4 3 2 1 0 9 8 7 6 5 4 3 2 1 0	7 6 5 4 3 2 1 0 9 8 7 6 5 4 3 2 1 0	7 6 5 4 3 2 1 0 9 8 7 6 5 4 3 2 1 0	7 6 5 4 3 2 1 0 9 8 7 6 5 4 3 2 1 0

Bit-order (drag-n-drop)

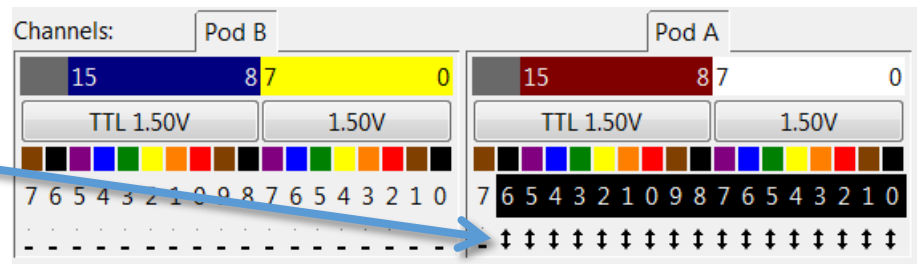
8-bits

msb lsb

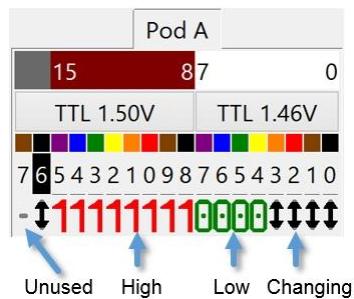
A	A	A	A	A	A	A	A
7	6	5	4	3	2	1	0

- Slowly tighten each mounting screw while watching the activity indicators. Alternate between the two screws so the probe seats evenly. The Pinpoint™ probe is fully seated when all the connected channels display a changing icon...

Used channels display “changing” icons when fully tightened



Note: the above trick assumes all signals have changing values. Activity indicators which remain low or high may have a good pin connection if the associated signal is known to be idle while your circuit runs.



- Whenever possible, the blue ribbon cable should remain straight and motionless as possible. Motion, twisting, and excessive flexing can apply torque and pressure on the probe and compromise the pin connections...

