

---

## NEX-P6960PIN

---



### General Description

The NEX-P6960PIN is an interface adapter for use on customer targets that have P6960, D-Max Probe connections and the customer needs to easily probe the signals with an oscilloscope or connect to a logic analyzer using general purpose probes.

Traces lengths matched to 0.25”.

### Cautions

- To ensure acceptable performance the customer must take into consideration the extra stub length added by this adapter in their simulations

## Connection to the System Under Test

Channel mapping on the Nexus adapter between the P6960 and square pins is outlined in Table 1. This table is applicable to 102- and 136- channel logic analyzer modules only.

Square pins	P6960 Pins	A/D High Probe Chan.	A/D Low Probe Chan.	C Probe Chan.	E Probe Chan.
J1-19	A7	CLK:0+	CLK:1+	CLK:3+	Q3+
NA	A8	CLK:0-	CLK:1-	CLK:3-	Q3-
U1-15	A14	A3:7	A1:7	C3:7	E3:7
U1-13	A13	A3:6	A1:6	C3:6	E3:6
U1-11	B12	A3:5	A1:5	C3:5	E3:5
U1-9	B11	A3:4	A1:4	C3:4	E3:4
U1-7	A11	A3:3	A1:3	C3:3	E3:3
U1-5	A10	A3:2	A1:2	C3:2	E3:2
U1-3	B9	A3:1	A1:1	C3:1	E3:1
U1-1	B8	A3:0	A1:0	C3:0	E3:0
J1-15	B6	A2:7	A0:7	C2:7	E2:7
J1-13	B5	A2:6	A0:6	C2:6	E2:6
J1-11	A5	A2:5	A0:5	C2:5	E2:5
J1-9	A4	A2:4	A0:4	C2:4	E2:4
J1:7	B3	A2:3	A0:3	C2:3	E2:3
J1:5	B2	A2:2	A0:2	C2:2	E2:2
J1-3	A2	A2:1	A0:1	C2:1	E2:1
J1-1	A1	A2:0	A0:0	C2:0	E2:0
J2-19	B21	Q0+	CLK:2+	Q1+	Q2+
NA	B20	Q0-	CLK:2-	Q1-	Q2-
J2-15	B14	D3:7	D1:7	C1:7	E1:7
J2-13	B15	D3:6	D1:6	C1:6	E1:6
J2-11	A16	D3:5	D1:5	C1:5	E1:5
J2-9	A17	D3:4	D1:4	C1:4	E1:4
J2-7	B17	D3:3	D1:3	C1:3	E1:3
J2-5	B18	D3:2	D1:2	C1:2	E1:2
J2-3	A19	D3:1	D1:1	C1:1	E1:1
J2-1	A20	D3:0	D1:0	C1:0	E1:0
U2-15	A22	D2:7	D0:7	C0:7	E0:7
U2-13	A23	D2:6	D0:6	C0:6	E0:6
U2-11	B23	D2:5	D0:5	C0:5	E0:5
U2-9	B24	D2:4	D0:4	C0:4	E0:4
U2-7	A25	D2:3	D0:3	C0:3	E0:3
U2-5	A26	D2:2	D0:2	C0:2	E0:2
U2-3	B26	D2:1	D0:1	C0:1	E0:1
U2-1	B27	D2:0	D0:0	C0:0	E0:0

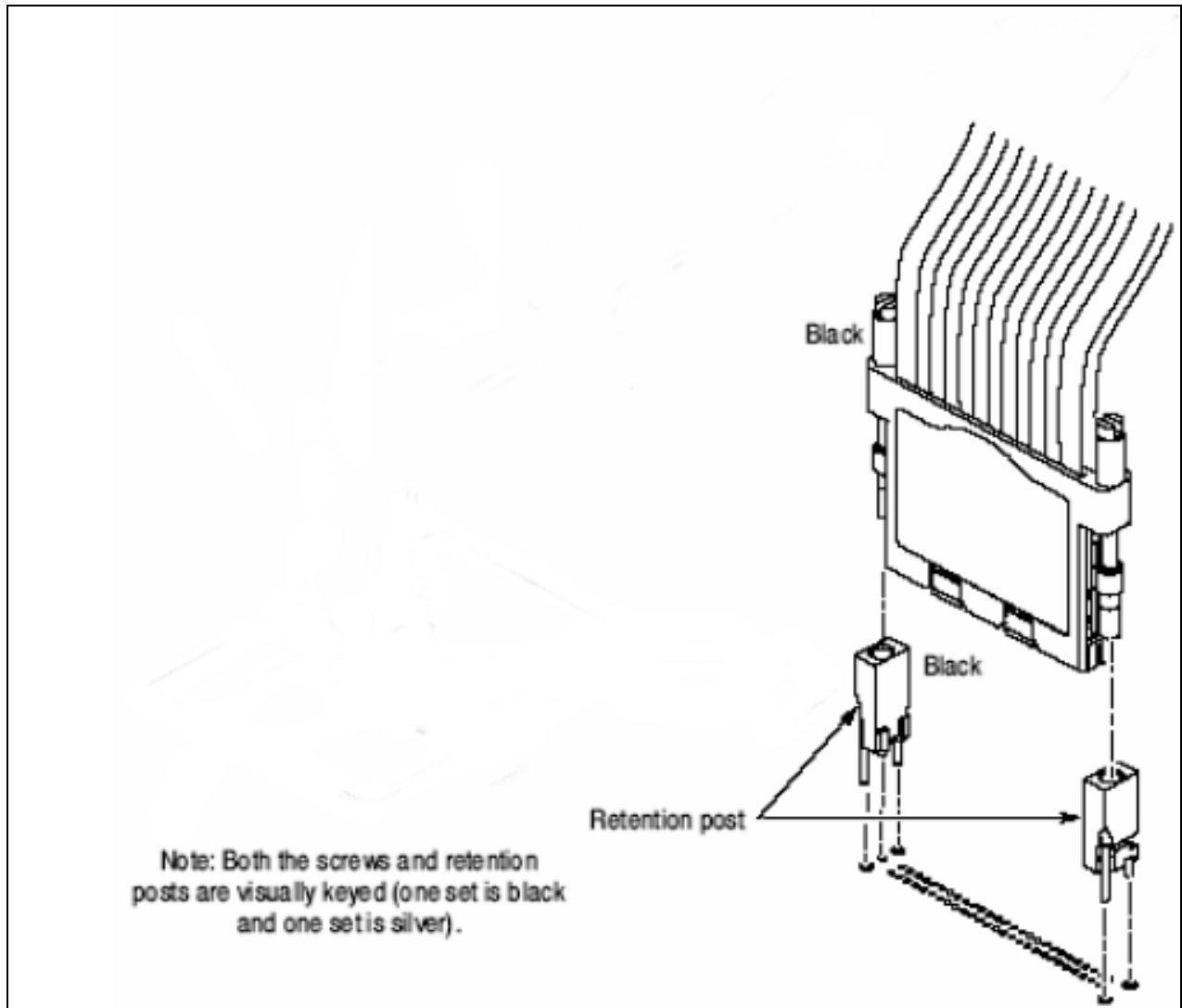
**Table 1: Cross-Reference List**

## Mechanical Specification

### Keep Out Volume:

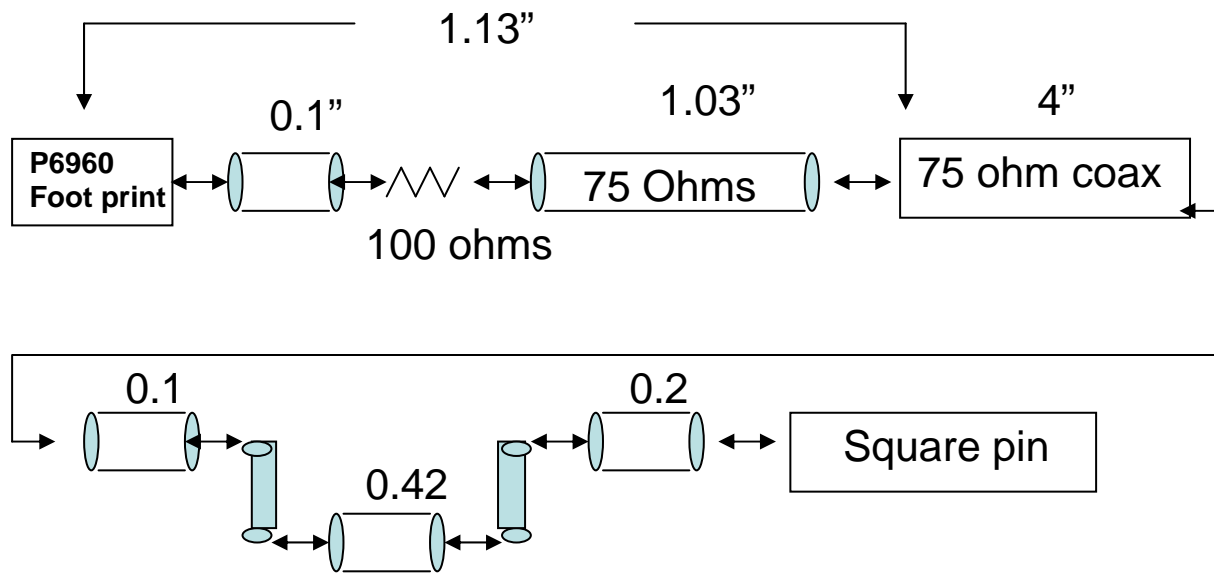
Bottom keep out is the same as the P6960 --- Height from the circuit board to the top of the retention screws is 1.512", width is 0.25".

There is approximately two inches of coax between the P6960 probe tip and the square pin connector board.



Product above is a Tektronix P6960. Drawing taken from Tektronix data sheet.

## Equivalent Circuit



All transmission lines are 75 ohms. Transmission lengths are averages.

## Ordering / Contact Information

Please see the website or contact us for complete solutions.

**Part Number** NEX-P6960PIN

**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](http://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.