
NEX-P6960M



- Designed for the customer that needs to convert from a P6960 foot print connection on their System Under Test to a Mictor-type Logic Analyzer connection

General Description

The NEX-P6960M is an interface adapter used when the System Under Test contains the P6960 style D-Max Probe connections and the customer needs to use Tektronix Mictor probes. This adapter interfaces the two probe types.

The NEX-P6960M adapters are not static sensitive

Adapter signal lengths are 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
- Existing Address and Data Mictor channel assignments do not map directly to the Mictor TLA inputs. A microprocessor or bus support package, designed for P6960 connectors, may need to be recompiled to use these adapters. Refer to Table 1 for a TLA input cross-reference list between the P6960 and Mictor connectors on this adaptor.

Connection to the System Under Test

The P6960 end of the adapter (the end that connects to the system under test) is not keyed for correct alignment. For correct connection to the system under test the P6960 end of the NEXUS adapter must be connected to the system under test by matching the black screw to the black tie down, and the silver screw to the silver tie down. Channel mapping on the NEXUS adapter between the P6960 and Mictor connectors are contained in Table 1. This table is only applicable to 102- and 136-channel Logic Analyzer Modules. Table 2 shows the pinout for 68-channel modules.

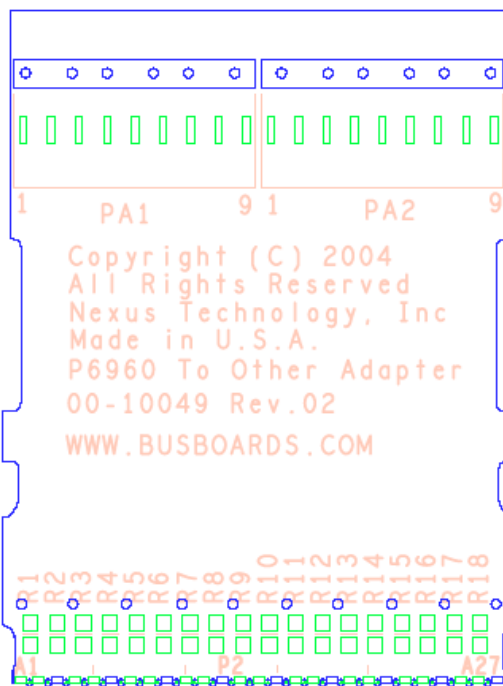
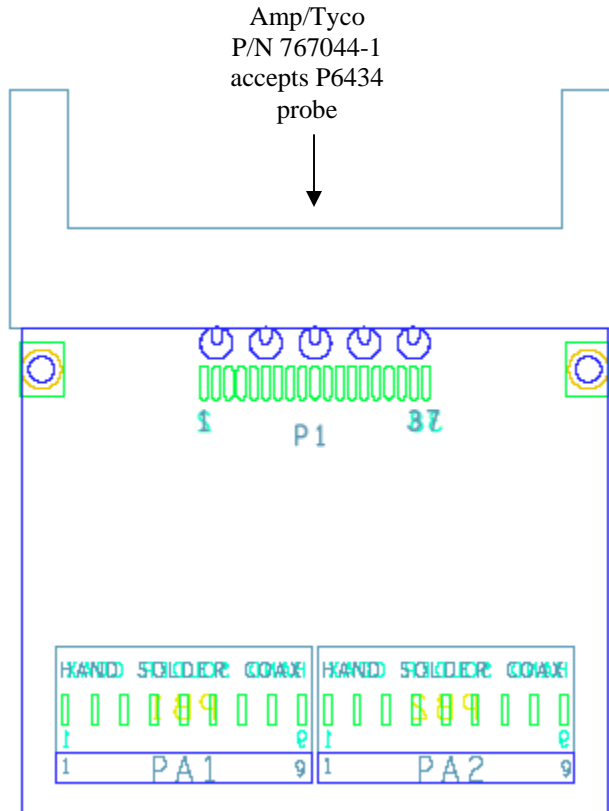
Mictor AMP/Tyco Pin #	A Probe Chan.	D Probe Chan.	C Probe Chan.	E Probe Chan.	P6960 Pin #	A/D High Probe Chan.	A/D Low Probe Chan.	C Probe Chan.	E Probe Chan.
5	CLK:0	Q0	CLK:3	Q3	A7	CLK:0	CLK:1	CLK:3	Q3
7	A3:7	D3:7	C3:7	E3:7	A14	A3:7	A1:7	C3:7	E3:7
9	A3:6	D3:6	C3:6	E3:6	A13	A3:6	A1:6	C3:6	E3:6
11	A3:5	D3:5	C3:5	E3:5	B12	A3:5	A1:5	C3:5	E3:5
13	A3:4	D3:4	C3:4	E3:4	B11	A3:4	A1:4	C3:4	E3:4
15	A3:3	D3:3	C3:3	E3:3	A11	A3:3	A1:3	C3:3	E3:3
17	A3:2	D3:2	C3:2	E3:2	A10	A3:2	A1:2	C3:2	E3:2
19	A3:1	D3:1	C3:1	E3:1	B9	A3:1	A1:1	C3:1	E3:1
21	A3:0	D3:0	C3:0	E3:0	B8	A3:0	A1:0	C3:0	E3:0
23	A2:7	D2:7	C2:7	E2:7	B6	A2:7	A0:7	C2:7	E2:7
25	A2:6	D2:6	C2:6	E2:6	B5	A2:6	A0:6	C2:6	E2:6
27	A2:5	D2:5	C2:5	E2:5	A5	A2:5	A0:5	C2:5	E2:5
29	A2:4	D2:4	C2:4	E2:4	A4	A2:4	A0:4	C2:4	E2:4
31	A2:3	D2:3	C2:3	E2:3	B3	A2:3	A0:3	C2:3	E2:3
33	A2:2	D2:2	C2:2	E2:2	B2	A2:2	A0:2	C2:2	E2:2
35	A2:1	D2:1	C2:1	E2:1	A2	A2:1	A0:1	C2:1	E2:1
37	A2:0	D2:0	C2:0	E2:0	A1	A2:0	A0:0	C2:0	E2:0
6	CLK:1	CLK:2	Q1	Q2	B21	Q0	CLK:2	Q1	Q2
8	A1:7	D1:7	C1:7	E1:7	B14	D3:7	D1:7	C1:7	E1:7
10	A1:6	D1:6	C1:6	E1:6	B15	D3:6	D1:6	C1:6	E1:6
12	A1:5	D1:5	C1:5	E1:5	A16	D3:5	D1:5	C1:5	E1:5
14	A1:4	D1:4	C1:4	E1:4	A17	D3:4	D1:4	C1:4	E1:4
16	A1:3	D1:3	C1:3	E1:3	B17	D3:3	D1:3	C1:3	E1:3
18	A1:2	D1:2	C1:2	E1:2	B18	D3:2	D1:2	C1:2	E1:2
20	A1:1	D1:1	C1:1	E1:1	A19	D3:1	D1:1	C1:1	E1:1
22	A1:0	D1:0	C1:0	E1:0	A20	D3:0	D1:0	C1:0	E1:0
24	A0:7	D0:7	C0:7	E0:7	A22	D2:7	D0:7	C0:7	E0:7
26	A0:6	D0:6	C0:6	E0:6	A23	D2:6	D0:6	C0:6	E0:6
28	A0:5	D0:5	C0:5	E0:5	B23	D2:5	D0:5	C0:5	E0:5
30	A0:4	D0:4	C0:4	E0:4	B24	D2:4	D0:4	C0:4	E0:4
32	A0:3	D0:3	C0:3	E0:3	A25	D2:3	D0:3	C0:3	E0:3
34	A0:2	D0:2	C0:2	E0:2	A26	D2:2	D0:2	C0:2	E0:2
36	A0:1	D0:1	C0:1	E0:1	B26	D2:1	D0:1	C0:1	E0:1
38	A0:0	D0:0	C0:0	E0:0	B27	D2:0	D0:0	C0:0	E0:0

Table 1: TLA Input Cross-Reference List – 102-/136-channel cards

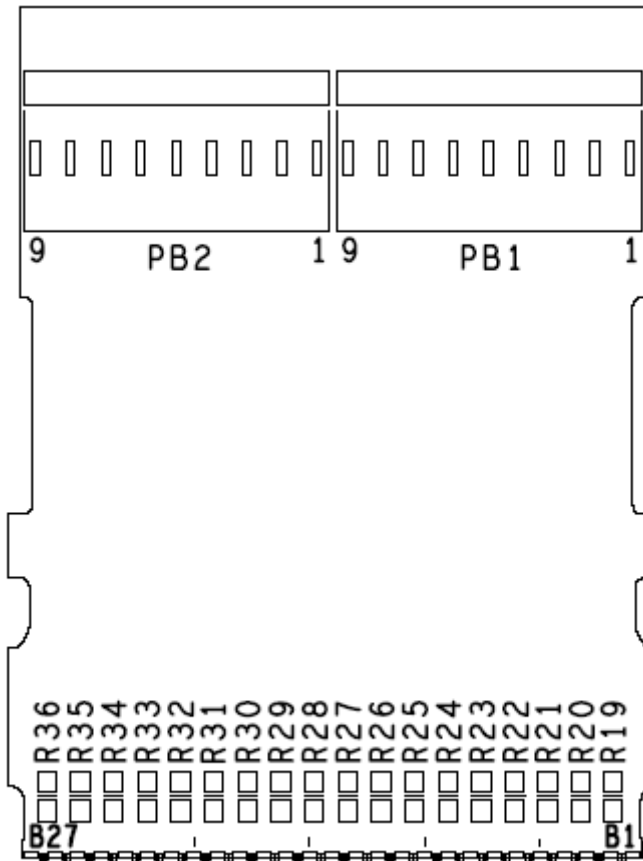
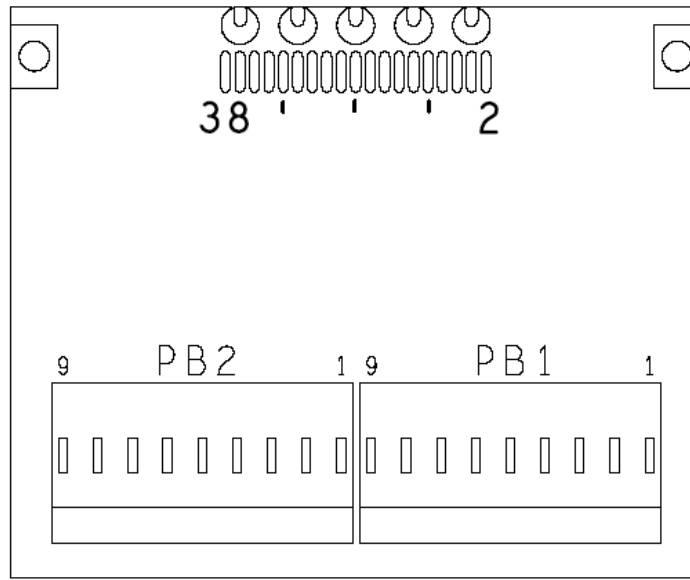
Mictor AMP/Tyco Pin #	A Probe Chan.	C Probe Chan.	P6960 Pin #	A/D High Probe Chan.	C Probe Chan.
5	CLK:0	CLK:3	A7	CLK:1	CLK:3
7	A3:7	C3:7	A14	A1:7	C3:7
9	A3:6	C3:6	A13	A1:6	C3:6
11	A3:5	C3:5	B12	A1:5	C3:5
13	A3:4	C3:4	B11	A1:4	C3:4
15	A3:3	C3:3	A11	A1:3	C3:3
17	A3:2	C3:2	A10	A1:2	C3:2
19	A3:1	C3:1	B9	A1:1	C3:1
21	A3:0	C3:0	B8	A1:0	C3:0
23	A2:7	C2:7	B6	A0:7	C2:7
25	A2:6	C2:6	B5	A0:6	C2:6
27	A2:5	C2:5	A5	A0:5	C2:5
29	A2:4	C2:4	A4	A0:4	C2:4
31	A2:3	C2:3	B3	A0:3	C2:3
33	A2:2	C2:2	B2	A0:2	C2:2
35	A2:1	C2:1	A2	A0:1	C2:1
37	A2:0	C2:0	A1	A0:0	C2:0
6	CLK:1	Q1	B21	CLK:2	Q1
8	A1:7	C1:7	B14	D1:7	C1:7
10	A1:6	C1:6	B15	D1:6	C1:6
12	A1:5	C1:5	A16	D1:5	C1:5
14	A1:4	C1:4	A17	D1:4	C1:4
16	A1:3	C1:3	B17	D1:3	C1:3
18	A1:2	C1:2	B18	D1:2	C1:2
20	A1:1	C1:1	A19	D1:1	C1:1
22	A1:0	C1:0	A20	D1:0	C1:0
24	A0:7	C0:7	A22	D0:7	C0:7
26	A0:6	C0:6	A23	D0:6	C0:6
28	A0:5	C0:5	B23	D0:5	C0:5
30	A0:4	C0:4	B24	D0:4	C0:4
32	A0:3	C0:3	A25	D0:3	C0:3
34	A0:2	C0:2	A26	D0:2	C0:2
36	A0:1	C0:1	B26	D0:1	C0:1
38	A0:0	C0:0	B27	D0:0	C0:0

Table 2: TLA Input Cross-Reference List – 68-channel cards

Silkscreen Front for NEX-P6960M



Silkscreen Back for NEX-P6960M

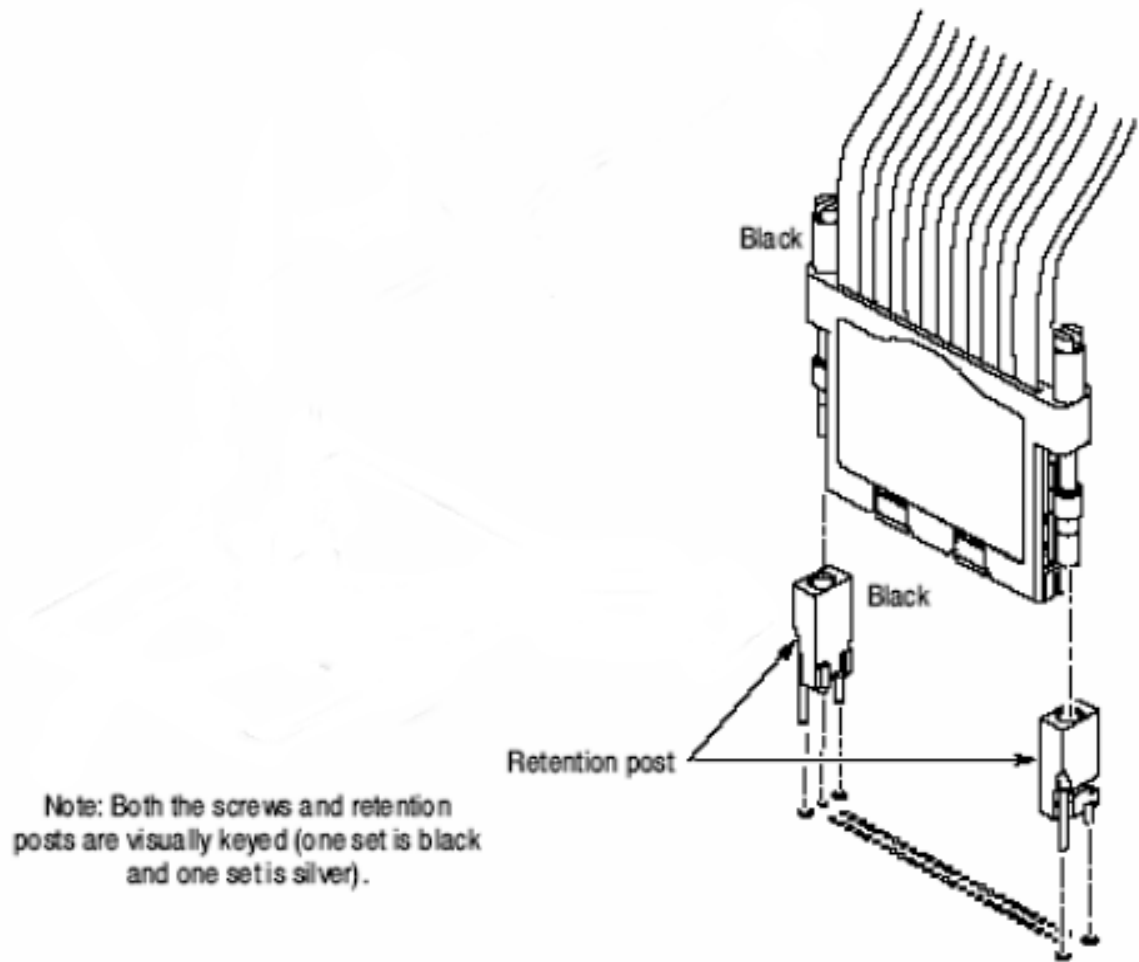


Mechanical Specification for NEX-P6960M

Keep Out Volume:

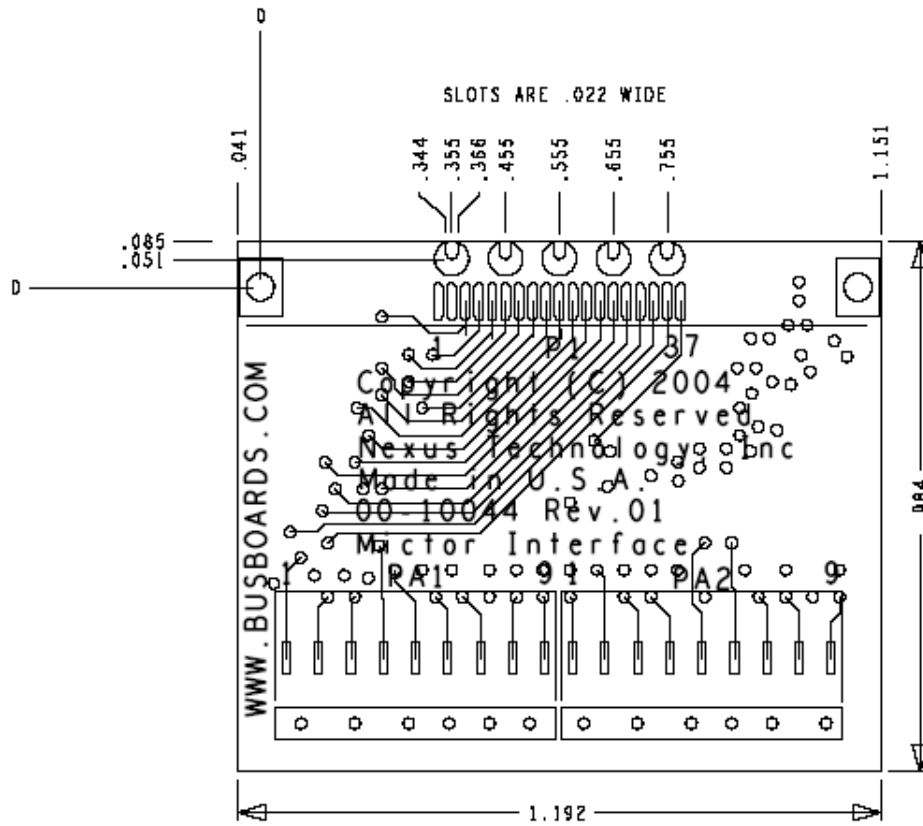
Bottom keep out is the same as the P6960 --- Height from the circuit board to the top of the retention screws is 1.512", width is 0.25".

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

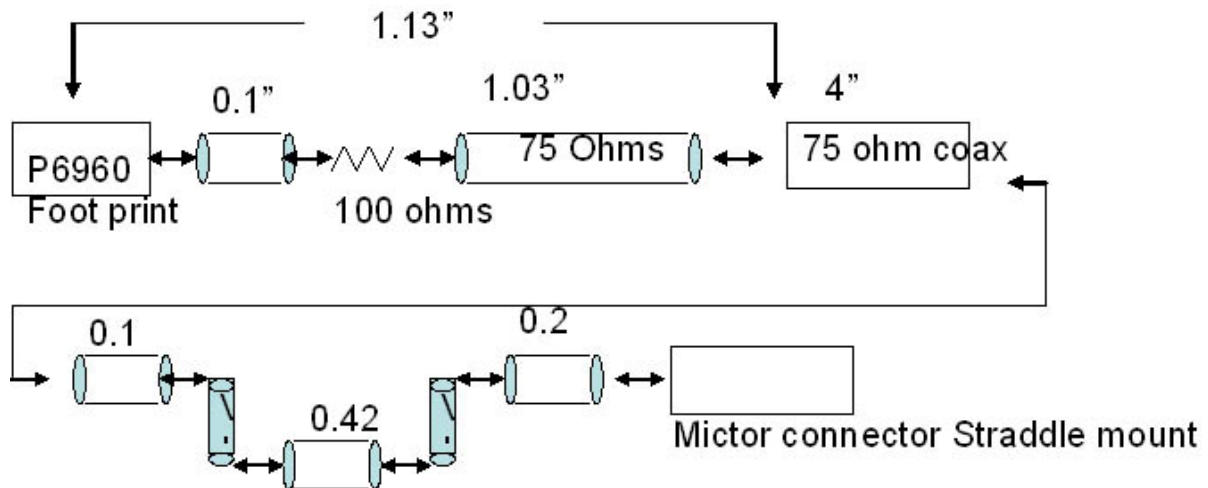


Product above is a Tektronix P6960. Drawing taken from Tektronix data sheet.

Mechanical of Mictor interface board



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-P6960M

Interface between P6960 connections on SUT and Logic Analyzer Mictor probes

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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.

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