
NEX-M2P69T & NEX-M2P69B



- Designed for the customer that needs to convert Mictor-type Logic Analyzer connections on their System Under Test to a Tektronix P6960 Probe
- Two versions are available to allow for space restrictions

General Description

An interface adapter used when the System Under Test contains the older style Mictor Logic Analyzer Probe connections and the customer needs to use P6960 probes. This adapter interfaces the two probe types.

The NEX-M2P69T/B adapters are not static sensitive

Adapter signal lengths are matched to 0.010”

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 P6960 TLA inputs. A microprocessor or bus support package, designed for Mictor connectors, may need to be recompiled to use these adapters. Refer to Table 1 for a TLA input cross-reference list between the Mictor and P6960 connectors on this adaptor.

Connection to the System Under Test

The Mictor end of the adapter is keyed for correct alignment. The Tektronix P6960 probe must be connected to the top footprint by matching the black screw to the black tie down, and the silver screw to the silver tie down. The Mictor pin numbering follows the Amp convention (all odd numbers on one side of the Mictor, and even pin numbers on the opposite side). The table below is applicable to 136 and 100 channel Logic Analyzer modules only. See Table 2 for 68 channel Logic Analyzer module.

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

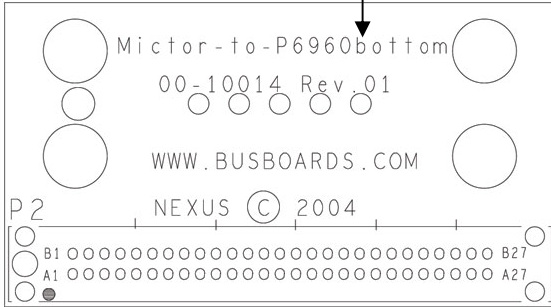
Table 1: TLA 102/136 channel module Input Cross-Reference List

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

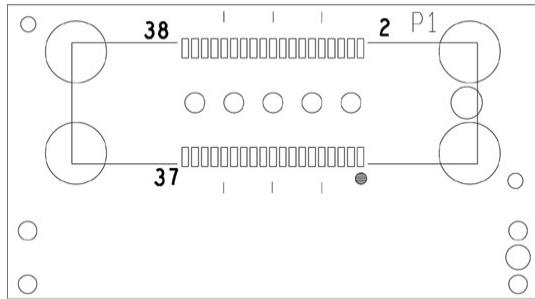
Table 2: TLA 68 channel module Input Cross-Reference List

Silkscreen for NEX-M2P69B

Amp/Tyco P/N 767025-1
plugs into target

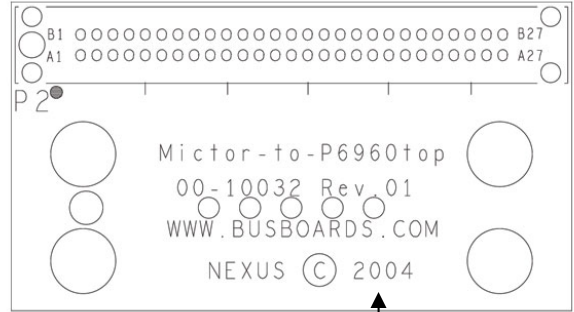


Front



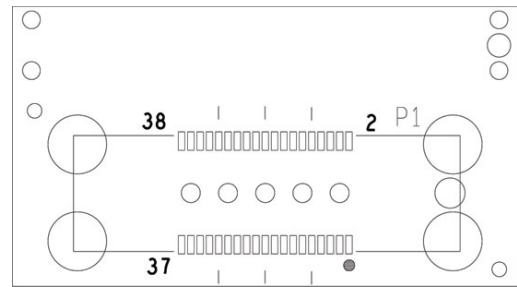
Back

Silkscreen for NEX-M2P69T



Front

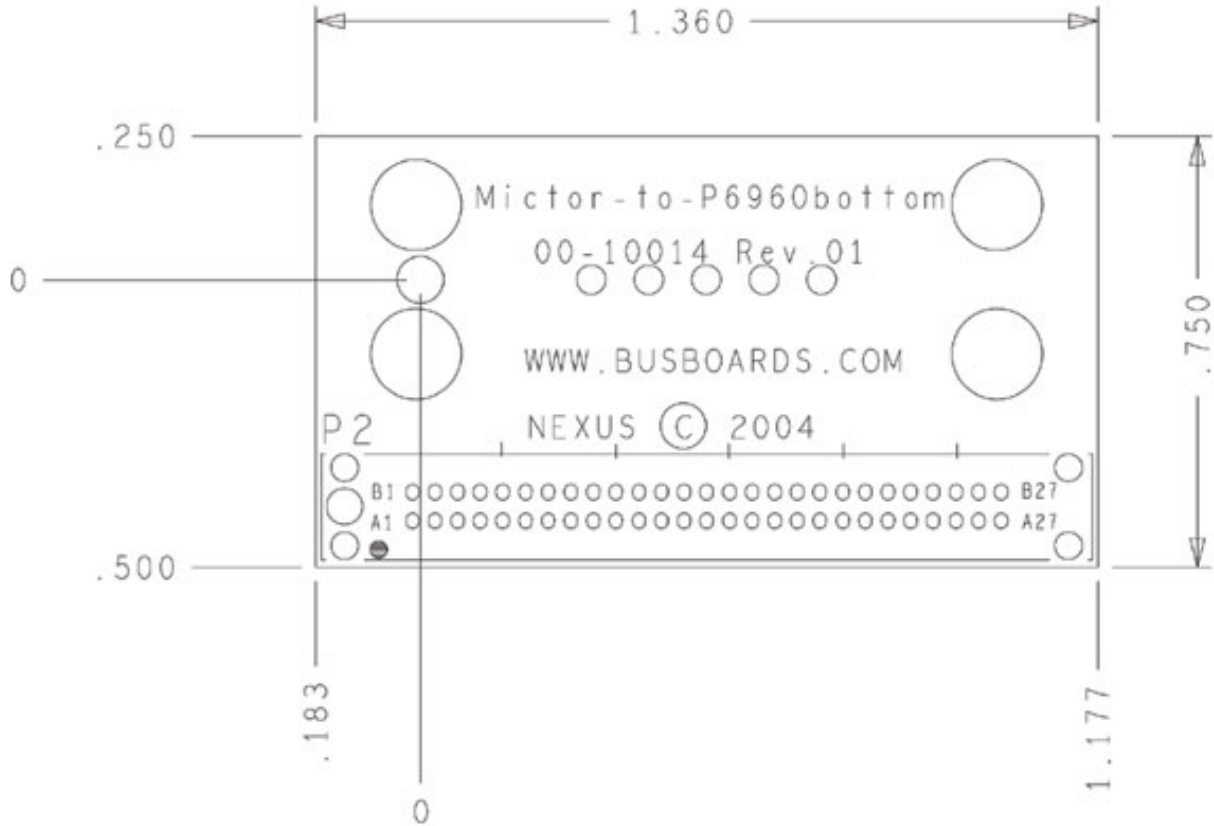
Amp/Tyco
P/N 767025-1
plugs into target



Back

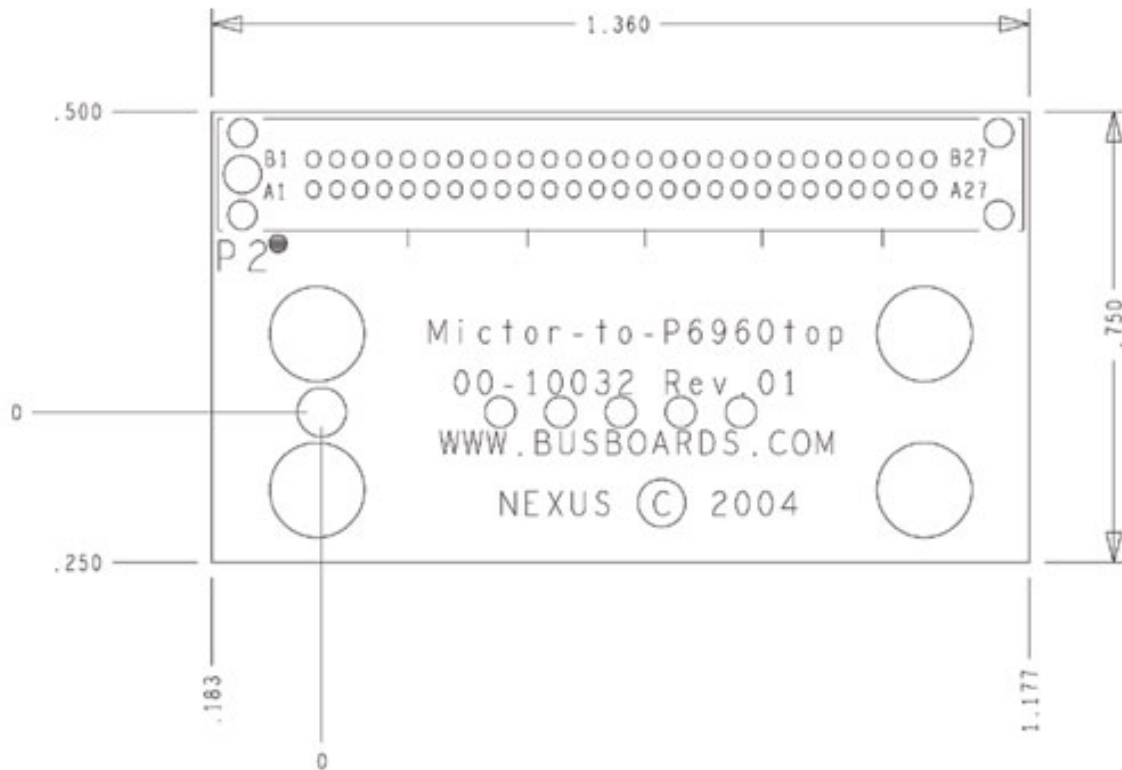
Mechanical Specification for NEX-M2P69B

Keep Out Volume: There is an overhang on this adaptor that requires additional Keep Out Volume when compared to a Tektronix Mictor-on-PCB to Compression P6960 adaptor. An additional 0.145" keep out is required on the odd numbered pin side of the Mictor connector, and an additional 0.046" keep out at each end of the Mictor (to the left and right as shown below) due to overhang.



Mechanical Specification for NEX-M2P69T

Keep Out Volume: There is an overhang on this adaptor that requires additional Keep Out Volume when compared to a Tektronix Mictor-on-PCB to Compression P6960 adapter. An additional 0.145" keep out is required on the even numbered pin side of the Mictor connector, and an additional 0.046" keep out at each end of the Mictor (to the left and right as shown below) due to overhang.



Ordering / Contact Information

Please see the website or contact us for complete solutions.

Part Number NEX-M2P69B

Interface between Mictor connections on SUT and P6960 probes with additional keep out required on the odd-numbered pin side of the Mictor

Includes: NEX-M2P69B adapter

Part Number NEX-M2P69T

Interface between Mictor connections on SUT and P6960 probes with additional keep out required on the even-numbered pin side of the Mictor

Includes: NEX-M2P69T adapter

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