

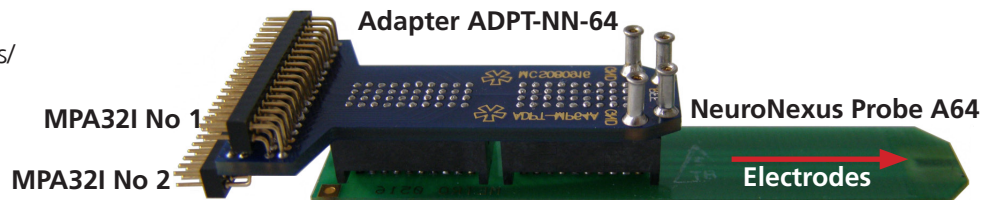
ADPT-NN-64

ADPT-NN-64 Rev 5

Adapter for two MPA32I Preamplifiers and 64-Electrode NeuroNexus Probe

Connecting two MPA32Is to the adapter ADPT-NN-64

Setup with probe from NeuroNexus and adapter ADPT-NN-64 with connectors for two MPA32Is. For the pin layout of the acute 64-electrode probe from NeuroNexus, please see: https://neuronexus.com/images/Electrode%20Site%20Map/A64_Maps_20160628.pdf



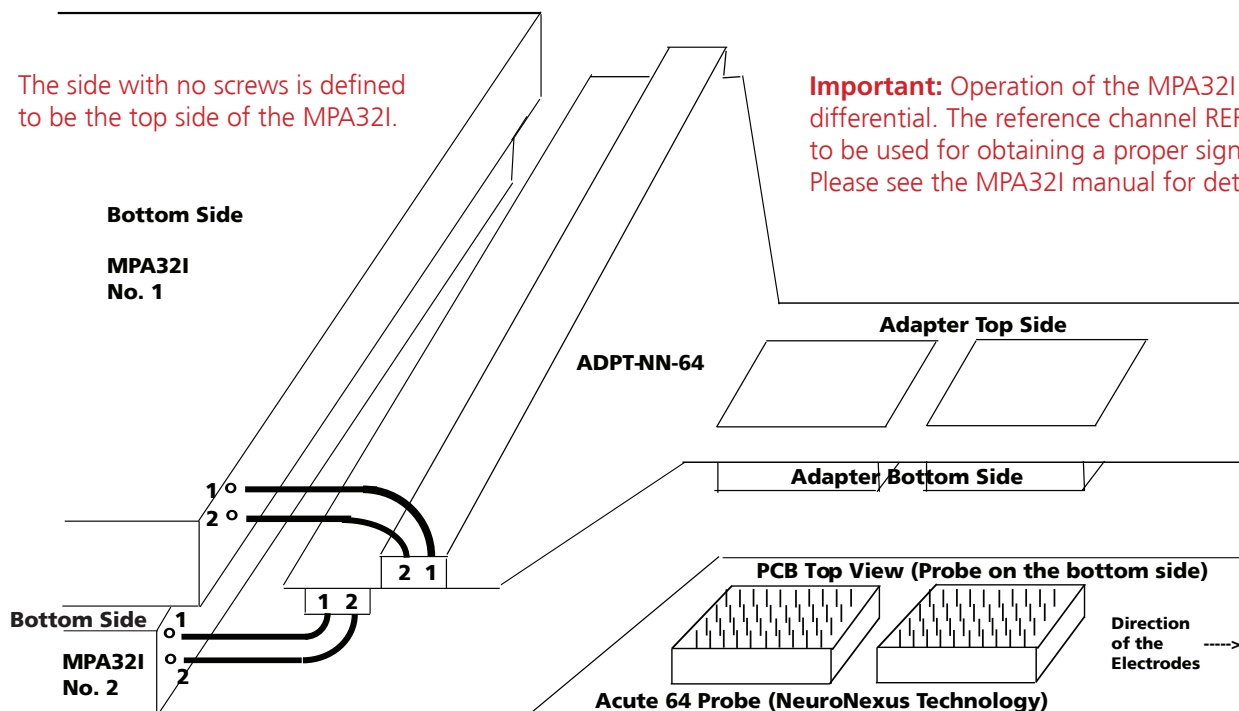
Schematic Diagram

Connect the male pins at the bottom side of the Acute 64 Probe to the female pins at the bottom side of the adapter ADPT-NN-64.

Connect the upper output pins at the top side of the adapter ADPT-NN-64 to the MPA32I No.1. It is mandatory, that the bottom side of the MPA32I No.1 faces upwards. (The side with screws is defined as the bottom side of the MPA32I). Connect the lower output pins at the bottom side of the adapter ADPT-NN-64 to the MPA32I No.2. The bottom side of the MPA32I No.2 must face upwards to the top side of the MPA32I No.1, otherwise the preamplifiers will not work.

The side with no screws is defined to be the top side of the MPA32I.

Important: Operation of the MPA32I is differential. The reference channel REF has to be used for obtaining a proper signal. Please see the MPA32I manual for details.

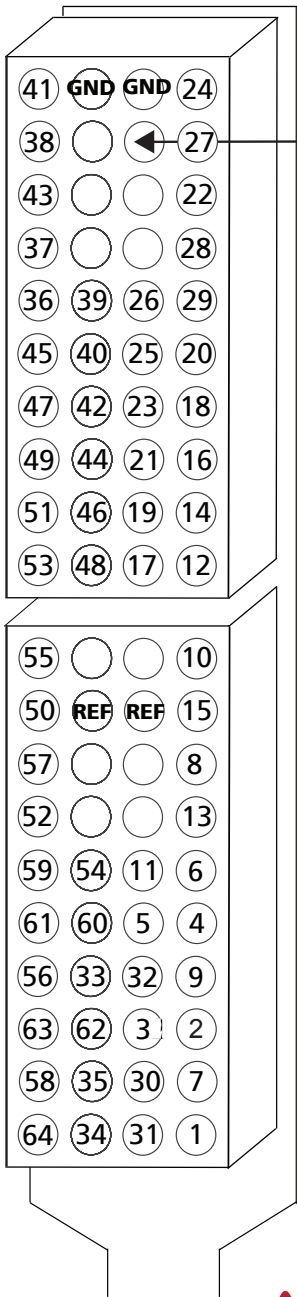


ADPT-NN-64 Rev 5

Adapter for two MPA32I Preamplifiers and 64-Electrode NeuroNexus Probe

Connecting the NeuroNexus Probe to the adapter ADPT-NN-54

Top View
Probe at the bottom side



REF

This Reference input on the NeuroNexus Acute 64 probe is not connected to the ADPT-NN-64-ME2100

Electrode	DAQ Channel	ME2100 HS No.1	Electrode	DAQ Channel	ME2100 HS No. 2
GND		1	GND		1
REF		2	REF		2
48	CH 1	3	33	CH 33	3
53	CH 2	4	34	CH 34	4
46	CH 3	5	35	CH 35	5
51	CH 4	6	62	CH 36	6
44	CH 5	7	60	CH 37	7
49	CH 6	8	64	CH 38	8
42	CH 7	9	58	CH 39	9
47	CH 8	10	63	CH 40	10
40	CH 9	11	56	CH 41	11
45	CH 10	12	61	CH 42	12
39	Ch 11	13	54	CH 43	13
36	CH 12	14	59	CH 44	14
37	CH 13	15	52	CH 45	15
43	CH 14	16	57	CH 46	16
38	CH 15	17	50	CH 47	17
41	CH 16	18	55	CH 48	18
24	CH 17	19	10	CH 49	19
27	CH 18	20	15	CH 50	20
22	CH 19	21	8	CH 51	21
28	CH 20	22	13	CH 52	22
29	CH 21	23	6	CH 53	23
26	CH 22	24	11	CH 54	24
20	CH 23	25	4	CH 55	25
25	CH 24	26	9	CH 56	26
18	CH 25	27	2	CH 57	27
23	CH 26	28	7	CH 58	28
16	CH 27	29	1	CH 59	29
21	CH 28	30	5	CH 60	30
14	CH 29	31	3	CH 61	31
19	CH 30	32	30	CH 62	32
12	CH 31	33	31	CH 83	33
17	CH 32	34	32	CH 64	34
REF		35	REF		35



Warning: The adapter ADPT-NN-64 may only be used together with the MPA32I from Multi Channel Systems MCS GmbH and the 64-channel probe from NeuroNexus, and only for the specified purpose. Damage of the device and even fatal injuries can result from improper use.