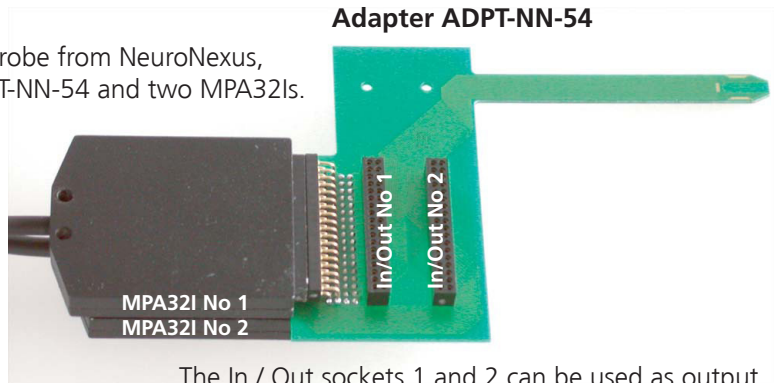


## ADPT-NN-54

### Adapter for two MPA32I Amplifiers and 54-Electrode NeuroNexus Probe

Connecting two MPA32Is to the adapter ADPT-NN-54



Setup with probe from NeuroNexus, adapter ADPT-NN-54 and two MPA32Is.

### Channel Assignment

Output pins connected to two MPA32Is.

Please connect both MPA32I with the screws face down as shown in the picture above. Otherwise, the miniature preamplifiers will not work.

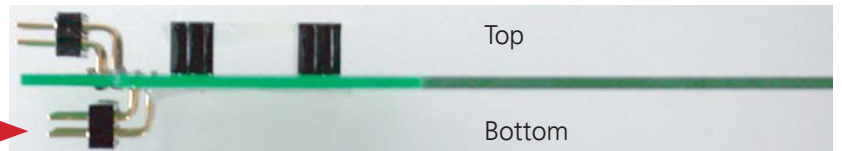
The In / Out sockets 1 and 2 can be used as output connectors, for connecting single channels to other devices, or as input connectors, for connecting other signal sources.

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

### Side View

Connect MPA32I No 1 here.

Connect MPA32I No 2 here.



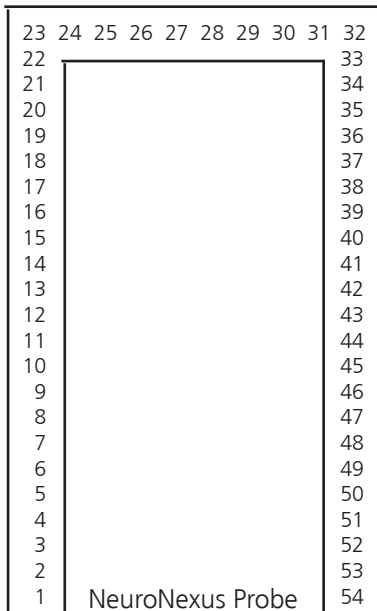
**Warning:** The device may only be used together with the MPA32I from Multi Channel Systems MCS GmbH and the 54-channel probe from NeuroNexus, and only for the specified purpose. Damage of the device and even fatal injuries can result from improper use.

## ADPT-NN-54

### Adapter for two MPA32I Amplifiers and 54-Electrode NeuroNexus Probe

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

#### Polytrode: Electrode Numbers



#### Adapter to 54-electrode NeuroNexus probe

##### MPA32I No. 1, In / Out 1

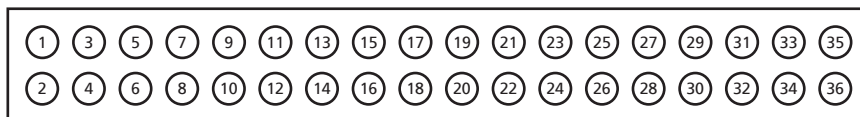
<i>1</i>	<i>3</i>	<i>5</i>	<i>7</i>	<i>9</i>	<i>11</i>	<i>13</i>	<i>15</i>	<i>17</i>	<i>19</i>	<i>21</i>	<i>23</i>	<i>25</i>	<i>27</i>	<i>29</i>	<i>31</i>	<i>33</i>	<i>35</i>
GND			12	10	8	6	4	2	27	25	23	15	17	19	21		REF
REF		13	11	9	7	5	3	1	26	24	14	16	18	20	22		GND
<i>2</i>	<i>4</i>	<i>6</i>	<i>8</i>	<i>10</i>	<i>12</i>	<i>14</i>	<i>16</i>	<i>18</i>	<i>20</i>	<i>22</i>	<i>24</i>	<i>26</i>	<i>28</i>	<i>30</i>	<i>32</i>	<i>34</i>	<i>36</i>

##### MPA32I No. 2, In / Out 2

<i>1</i>	<i>3</i>	<i>5</i>	<i>7</i>	<i>9</i>	<i>11</i>	<i>13</i>	<i>15</i>	<i>17</i>	<i>19</i>	<i>21</i>	<i>23</i>	<i>25</i>	<i>27</i>	<i>29</i>	<i>31</i>	<i>33</i>	<i>35</i>
GND		28	29	31	41	39	37	35	33	43	45	47	49	51	53		REF
REF			30	32	40	38	36	34	42	44	46	48	50	52	54		GND
<i>2</i>	<i>4</i>	<i>6</i>	<i>8</i>	<i>10</i>	<i>12</i>	<i>14</i>	<i>16</i>	<i>18</i>	<i>20</i>	<i>22</i>	<i>24</i>	<i>26</i>	<i>28</i>	<i>30</i>	<i>32</i>	<i>34</i>	<i>36</i>

Numbers in italics are the MPA32I pin numbers.  
The electrode numbers are aligned to the input pins of the MPA32I.

#### 32-Channel Miniature Preamplifier (MPA32I) inputs



- Pin 1: GND (ground)
- Pin 2: REF (reference)
- Pin 3 - 34: Channel 1 to 32
- Pin 35: REF (reference)
- Pin 36: GND (ground)

**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.