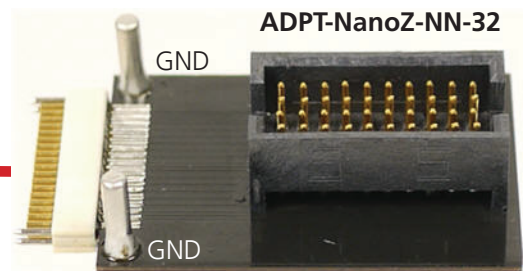


## ADPT-NanoZ-NN-32

Adapter for nanoZ Device and 32-Channel NeuroNexus Probe

### Application

Connect the NeuroNexus Probe NN 32 to the ADPT-NanoZ-NN-32 and the adapter to the nanoZ device.



Please connect the Omnetics connector of the NeuroNexus probe with the labeled side to the labeled side of the Omnetics connector of the adapter. **Connect the ADPT-nanoZ-NN-32 to the second connector of the nanoZ device.** Use the GND pins (0.76 mm connector), if necessary.

Note: Definition appropriate to the NanoZ Manual, page 36  
The mapping between the nanoZ's internal 64 channel MUX and the two native Samtec connectors is depicted here (as viewed facing the connector, with the lowest channel numbers closest to the USB port end of the nanoZ

Pin Layout of the nanoZ. Please read nanoZ User Manual, Appendix C.

### NN-F 32

4	G	29	
5		28	
3		30	
6		27	
2	1	32	31
7	8	25	26
11	10	21	20
13	12	17	19
9	24	23	22
14	15	16	18

### NN-CM 32

10	G	23	
12		21	
8		25	
11		22	
6	4	29	27
9	7	26	24
2	1	32	31
5	13	20	28
15	16	17	18
3	14	19	30

57	R2	R1	33
58	R3		34
59			35
60			36
61	62	37	38
63	64	39	40
49	50	41	42
51	52	43	44
53	54	45	46
55	56	47	48

### second connector

57	R2	R1	33
58	R3		34
59			35
60			36
61	62	37	38
63	64	39	40
49	50	41	42
51	52	43	44
53	54	45	46
55	56	47	48

Pin Layout of the Omnetics Connector of the NeuroNexus Probes

[http://neuronexus.com/images/Electrode%20Site%20Map/CM32\\_Maps\\_20161129.pdf](http://neuronexus.com/images/Electrode%20Site%20Map/CM32_Maps_20161129.pdf)  
[http://neuronexus.com/images/Electrode%20Site%20Map/F32\\_Maps.pdf](http://neuronexus.com/images/Electrode%20Site%20Map/F32_Maps.pdf)

25	R2	R1	1
26	R3		2
27			3
28			4
29	30	5	6
31	32	7	8
17	18	9	10
19	20	11	12
21	22	13	14
23	24	15	16

### first connector

25	R2	R1	1
26	R3		2
27			3
28			4
29	30	5	6
31	32	7	8
17	18	9	10
19	20	11	12
21	22	13	14
23	24	15	16

## ADPT-NanoZ-NN-32/64



You can also connect the 16-channel NeuroNexus Probe to the ADPT-nanoZ-NN-16, and then via ADPT-nanoZ-NN-32/64 to the nanoZ device. The ADPT-nanoZ-NN-32/64 is available from Multi Channel Systems and has to be ordered separately.

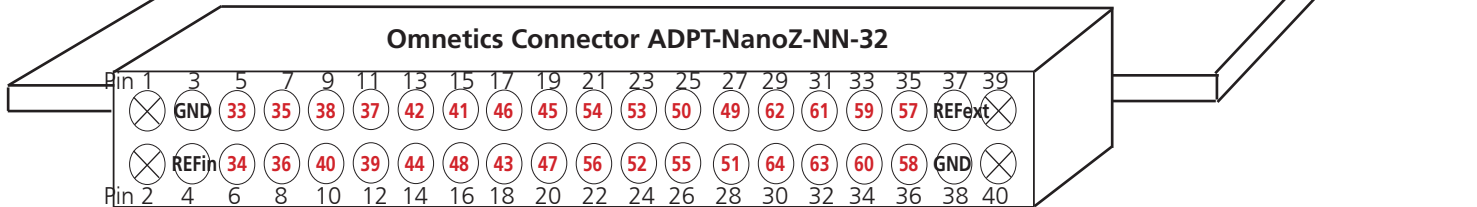
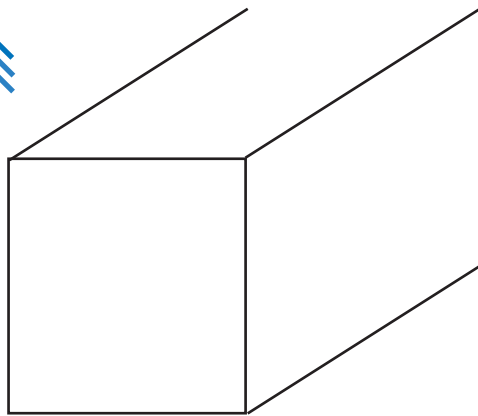
February 2020

## ADPT-NanoZ-NN-32

Adapter for nanoZ Device and 32-Channel NeuroNexus Probe

### Pin Layout Omnetics Connector

The Pin Layout of the Omnetics connector of the adapter ADPT-NanoZ-NN-32 when looking directly from the front and the connector to the nanoZ on top.



Please connect the ADPT-nanoZ-NN-32 to the second connector of the nanoZ device!  
 Pin Number of the Omnetics Connector of the Adapter ADPT-NanoZ-NN-32  
 Channel layout of the second connector of the nanoZ device.

Pin 1	Guide Post	Pin 16	Channel <b>48</b>	Pin 31	Channel <b>61</b>
Pin 2	Guide Post	Pin 17	Channel <b>46</b>	Pin 32	Channel <b>63</b>
Pin 3	Ground	Pin 18	Channel <b>43</b>	Pin 33	Channel <b>59</b>
Pin 4	Reference internal	Pin 19	Channel <b>45</b>	Pin 34	Channel <b>60</b>
Pin 5	Channel <b>33</b>	Pin 20	Channel <b>47</b>	Pin 35	Channel <b>57</b>
Pin 6	Channel <b>34</b>	Pin 21	Channel <b>54</b>	Pin 36	Channel <b>58</b>
Pin 7	Channel <b>35</b>	Pin 22	Channel <b>56</b>	Pin 37	Reference external
Pin 8	Channel <b>36</b>	Pin 23	Channel <b>53</b>	Pin 38	Ground
Pin 9	Channel <b>38</b>	Pin 24	Channel <b>52</b>	Pin 39	Guide Post
Pin 10	Channel <b>40</b>	Pin 25	Channel <b>50</b>	Pin 40	Guide Post
Pin 11	Channel <b>37</b>	Pin 26	Channel <b>55</b>		
Pin 12	Channel <b>39</b>	Pin 27	Channel <b>49</b>		
Pin 13	Channel <b>42</b>	Pin 28	Channel <b>51</b>		
Pin 14	Channel <b>44</b>	Pin 29	Channel <b>62</b>		
Pin 15	Channel <b>41</b>	Pin 30	Channel <b>64</b>		