

## Datasheet

**Product Name:** waveguard net, 128 EEG channels, equidistant, shielded, HD-C68

**REF**

NA-271.s1

**Product Version:** 1.1

# waveguard™ net



**Manufacturer:**



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**OQC passed**

for part(s) with SERIAL / LOT number as indicated on product / package

**Classification:** CE class I (EU)

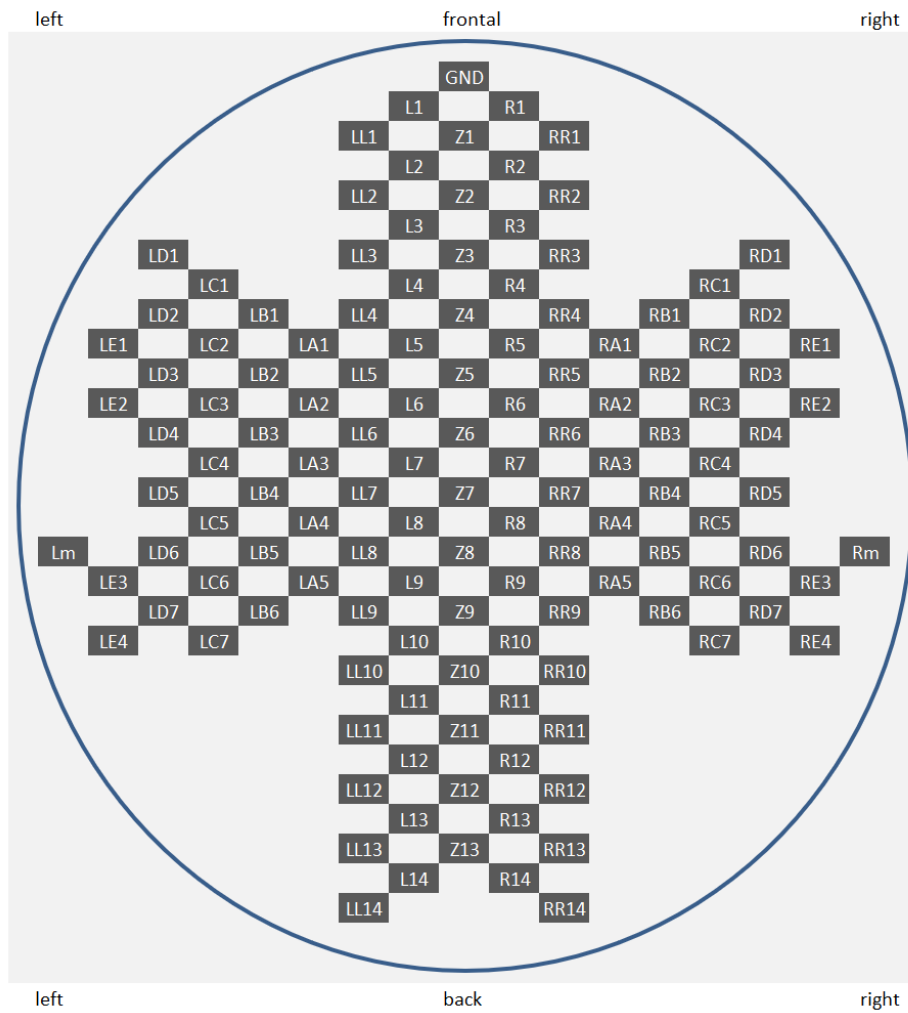
**Compatibility:** EE-2xx **eego** amplifiers

**Description:** **waveguard** net, 128 EEG channels, plus REF at Z7 and GND on Z0 positions, equidistant layout, Ag rings, 4x HD-C68pin connector, shielded cable 1.8m including ferrite core.

**Available sizes:** s1: 08 = Child, 09 = Small, 10 = Medium, 11 = Large  
(if applicable)

**Specifications:**

**Cap Layout:**



## Pinning Specifications:

Connector A1			
Channel Number	Electrode	Pin numbers	
		active	shield
-	GND	34	68
1	Z2	33	67
2	Z4	32	66
3	Z6	31	65
4	Z8	30	64
5	Z10	29	63
6	Z12	28	62
7	L1	27	61
8	L2	26	60
9	L3	25	59
10	L4	24	58
11	L5	23	57
12	L6	22	56
13	L7	21	55
14	L8	20	54
15	L9	19	53
16	L10	18	52
17	L11	17	51
18	L12	16	50
19	L13	15	49
20	L14	14	48
21	LL1	13	47
22	LL2	12	46
23	LL3	11	45
24	LL4	10	44
25	LL5	9	43
26	LL6	8	42
27	LL7	7	41
28	LL8	6	40
29	LL9	5	39
30	LL10	4	38
31	LL11	3	37
32	LL12	2	36
-	REF	1	35

Connector A2			
Channel Number	Electrode	Pin numbers	
		active	shield
-	-	34	68
33	Z1	33	67
34	Z3	32	66
35	Z5	31	65
36	Z9	30	64
37	Z11	29	63
38	Z13	28	62
39	R1	27	61
40	R2	26	60
41	R3	25	59
42	R4	24	58
43	R5	23	57
44	R6	22	56
45	R7	21	55
46	R8	20	54
47	R9	19	53
48	R10	18	52
49	R11	17	51
50	R12	16	50
51	R13	15	49
52	R14	14	48
53	RR1	13	47
54	RR2	12	46
55	RR3	11	45
56	RR4	10	44
57	RR5	9	43
58	RR6	8	42
59	RR7	7	41
60	RR8	6	40
61	RR9	5	39
62	RR10	4	38
63	RR11	3	37
64	RR12	2	36
-	-	1	35

## Pinning Specifications:

Connector B1			
Channel Number	Electrode	Pin numbers	
		active	shield
-	GND	34	68
65	LL13	33	67
66	LL14	32	66
67	LA1	31	65
68	LA2	30	64
69	LA3	29	63
70	LA4	28	62
71	LA5	27	61
72	LB1	26	60
73	LB2	25	59
74	LB3	24	58
75	LB4	23	57
76	LB5	22	56
77	LB6	21	55
78	LC1	20	54
79	LC2	19	53
80	LC3	18	52
81	LC4	17	51
82	LC5	16	50
83	LC6	15	49
84	LC7	14	48
85	LD1	13	47
86	LD2	12	46
87	LD3	11	45
88	LD4	10	44
89	LD5	9	43
90	LD6	8	42
91	LD7	7	41
92	LE1	6	40
93	LE2	5	39
94	LE3	4	38
95	LE4	3	37
96	Lm	2	36
-	REF	1	35

Connector B2			
Channel Number	Electrode	Pin numbers	
		active	shield
-	-	34	68
97	RR13	33	67
98	RR14	32	66
99	RA1	31	65
100	RA2	30	64
101	RA3	29	63
102	RA4	28	62
103	RA5	27	61
104	RB1	26	60
105	RB2	25	59
106	RB3	24	58
107	RB4	23	57
108	RB5	22	56
109	RB6	21	55
110	RC1	20	54
111	RC2	19	53
112	RC3	18	52
113	RC4	17	51
114	RC5	16	50
115	RC6	15	49
116	RC7	14	48
117	RD1	13	47
118	RD2	12	46
119	RD3	11	45
120	RD4	10	44
121	RD5	9	43
122	RD6	8	42
123	RD7	7	41
124	RE1	6	40
125	RE2	5	39
126	RE3	4	38
127	RE4	3	37
128	Rm	2	36
-	-	1	35

**Other Components:**

<b>Connector</b>	
<b>Connector type</b>	HD-C68pin
<b>Connector gender</b>	Male
<b>Cable</b>	
<b>Cable type:</b>	shielded
<b>Cable length:</b>	1.8 m

**Connection to compatible products:** Connect with cascaded EE-2xx amplifiers by connecting connector A1 with EEG-IN 1 of amplifier A, connector A2 with EEG-IN 2 of amplifier A, connector B1 with EEG-IN 1 of amplifier B, and connector B2 with EEG-IN 2 of amplifier B.

**Warning:**

Proper use of the **NA-271** depends on careful reading of all instructions including the **waveguard** net descriptions and labels that come with or on the devices. Inaccurate measurements may be caused by incorrect use of the device. Non-compliance with warnings and safety regulations may result in severe personal injury and total loss of equipment.

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