MOONS plate-I (Order No. 08517)

Content

General

Please check for transport damage upon delivery when unpacking.

Description

24-well plate for measuring changes in impedance on a transparent substrate for optical access; equipped with an adhesion-promoting agent for opto-chemical sensor spots.

	In general, MOONS plate-I may be used only in combination with the cellasys MOONS platform by qualified personnel from a research or healthcare institution. Read the MOONS manuals thoroughly and carefully follow the provided instructions and guidelines.

Drawings (top side)

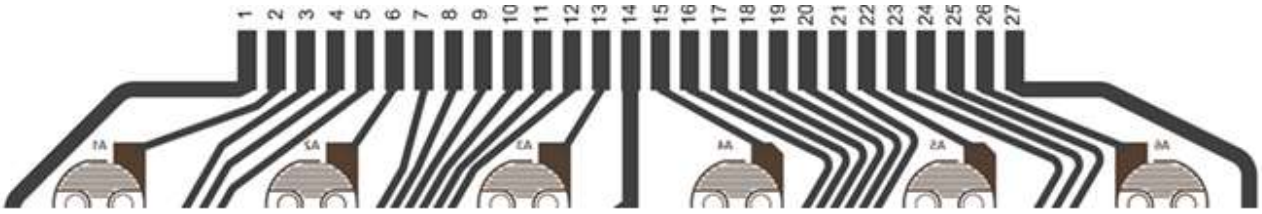

Figure 1: Pin numbers

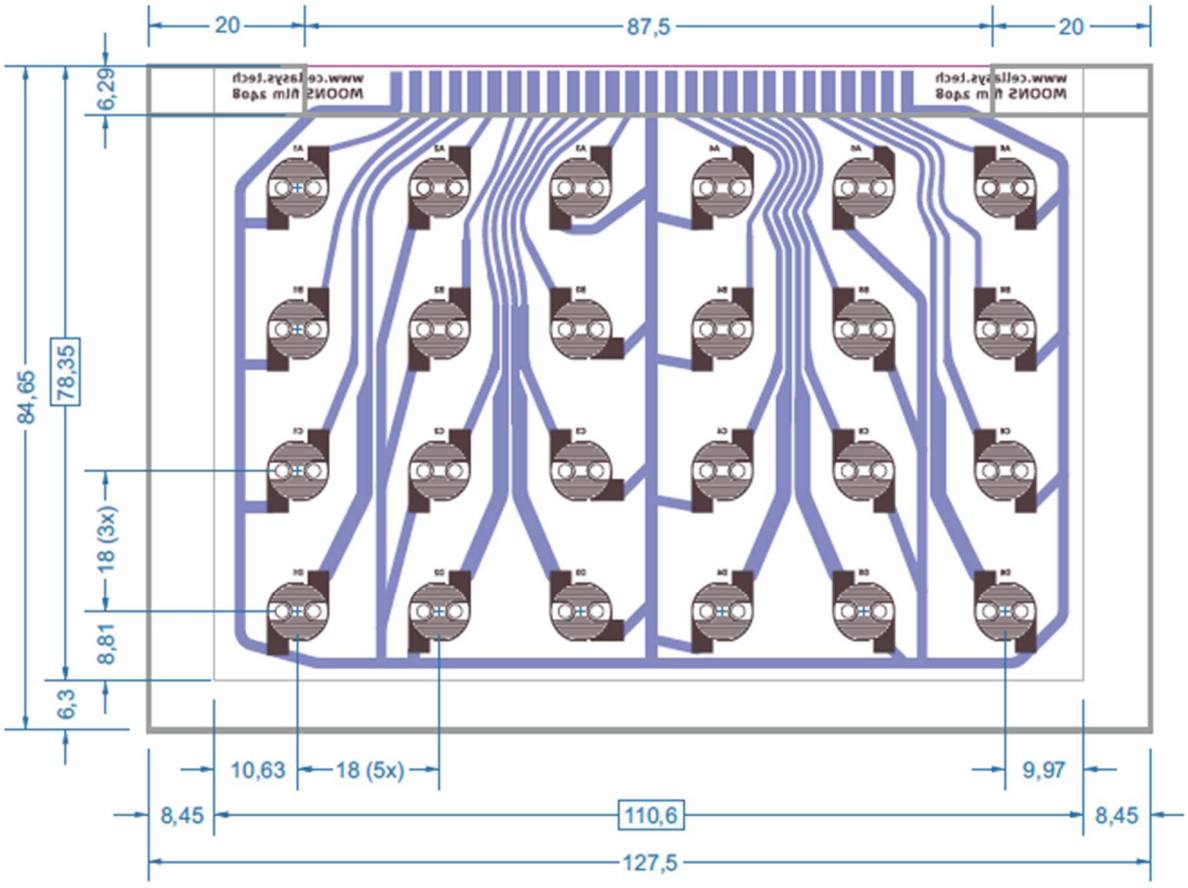

Figure 2: Dimensions

Adhesion promoting agent

An adhesion-promoting agent for opto-chemical sensor spots is applied onto designated areas on the top side.

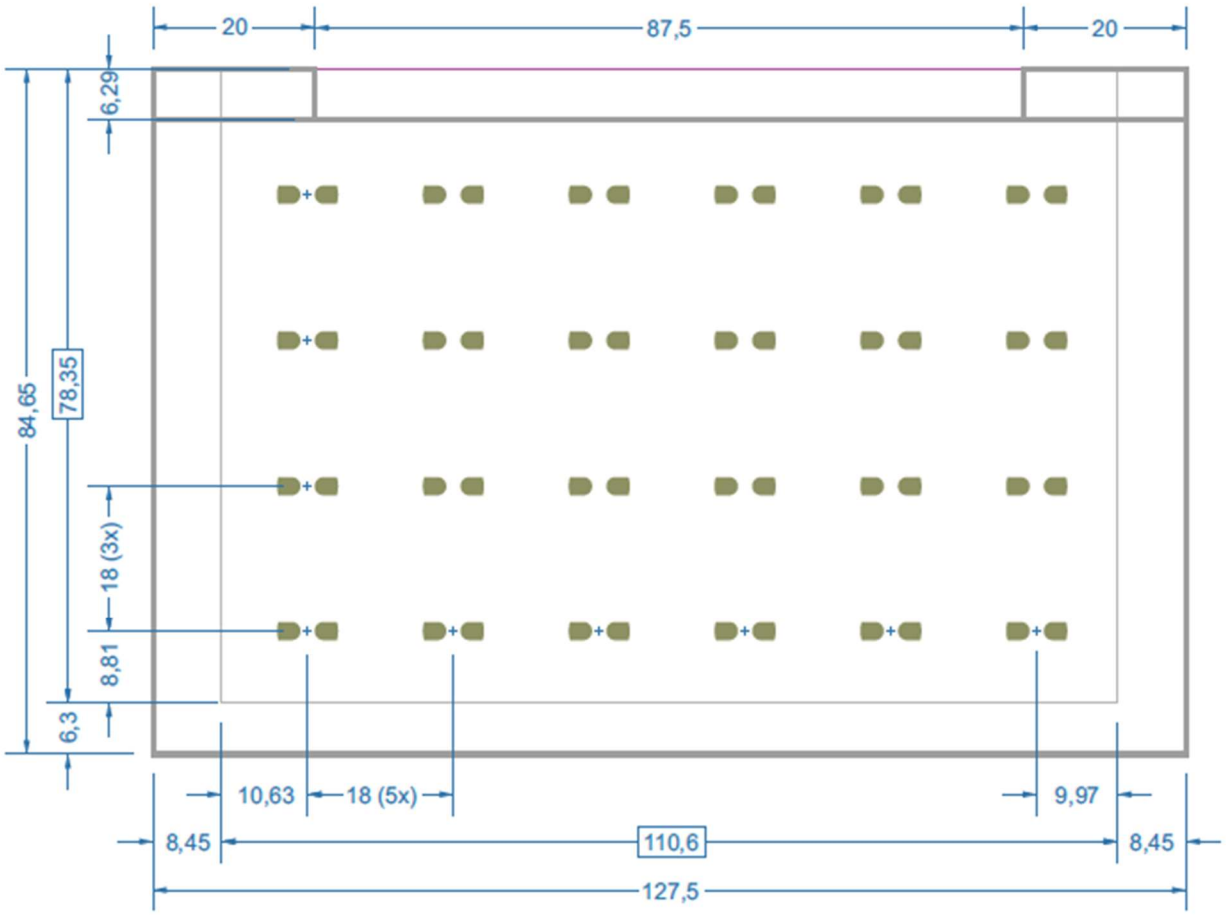

Figure 3: Dimensions of adhesion promoting agent

Pin configuration

Pin No.	Name	Description
1	REF	Connected to all 24 sensors (pin 1, 14 and 27 are short)
2	A1	Sensor A1
3	B1	Sensor B1
4	C1	Sensor C1
5	D1	Sensor D1
6	A2	Sensor A2
7	B2	Sensor B2
8	C2	Sensor C2
9	D2	Sensor D2
10	D3	Sensor D3
11	C3	Sensor C3
12	B3	Sensor B3
13	A3	Sensor A3
14	REF	Connected to all 24 sensors (pin 1, 14 and 27 are short)
15	A4	Sensor A4
16	B4	Sensor B4
17	C4	Sensor C4
18	D4	Sensor D4
19	D5	Sensor D5
20	C5	Sensor C5
21	B5	Sensor B5
22	A5	Sensor A5
23	D6	Sensor D6
24	C6	Sensor C6
25	B6	Sensor B6
26	A6	Sensor A6
27	REF	Connected to all 24 sensors (pin 1, 14 and 27 are short)

Technical data

Dimensions:	85 x 127 x 12 mm³
Weight:	53 g
Optical properties	200 µm PET foil
Operating temperature:	0 °C to +80 °C

Impedance (IDES)

Dimensions:	~ 40 mm²
Layer thickness supply line:	8 µm ± 2 µm
Layer thickness sensor:	8 µm ± 2 µm
Geometry:	100 µm width, 100 µm distance
Lead resistance:	1 Ω (A3) to 5 Ω (D5)
Response time (t_{90}):	< 1 s

Adhesion promoting agent

An adhesion-promoting agent for opto-chemical sensor spots is applied as shown in Figure 3.

Intended use

The MOONS plate-I is designed to be used in combination with the MOONS product series for multiparametric measurement of cellular metabolism and morphology.

Intended misuse

The MOONS plate-I must not be used for diagnostic or therapeutic purposes.

Liability / Copyright

All technical details are based on the state of the technology as of September 2026 and are subject to change without notice. No liability is assumed for pictures, descriptions, or any content of this document.

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