



MOONS plate-I (Order No. 08517)

Content

| | |
|--------------------------|---|
| Content | 1 |
| General | 2 |
| Description | 2 |
| Drawings (top side) | 3 |
| Adhesion promoting agent | 4 |
| Pin configuration | 5 |
| Technical data | 6 |
| Impedance (IDES) | 6 |
| Adhesion promoting agent | 6 |
| Intended use | 6 |
| Intended misuse | 6 |
| Liability / Copyright | 7 |
| Contact | 7 |

General

Please check delivery for transport damage when unpacking.

Description

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



In general **MOONS plate-I** may only be used in combination with cellasys MOONS platform by **qualified personnel** of a research or healthcare institution.

Read the **MOONS manuals** thoroughly and carefully follow the instructions and guidelines provided.

Drawings (top side)

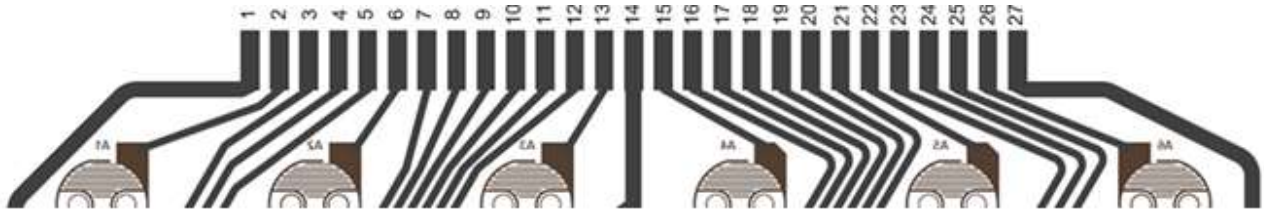


Figure 1: Pin numbers

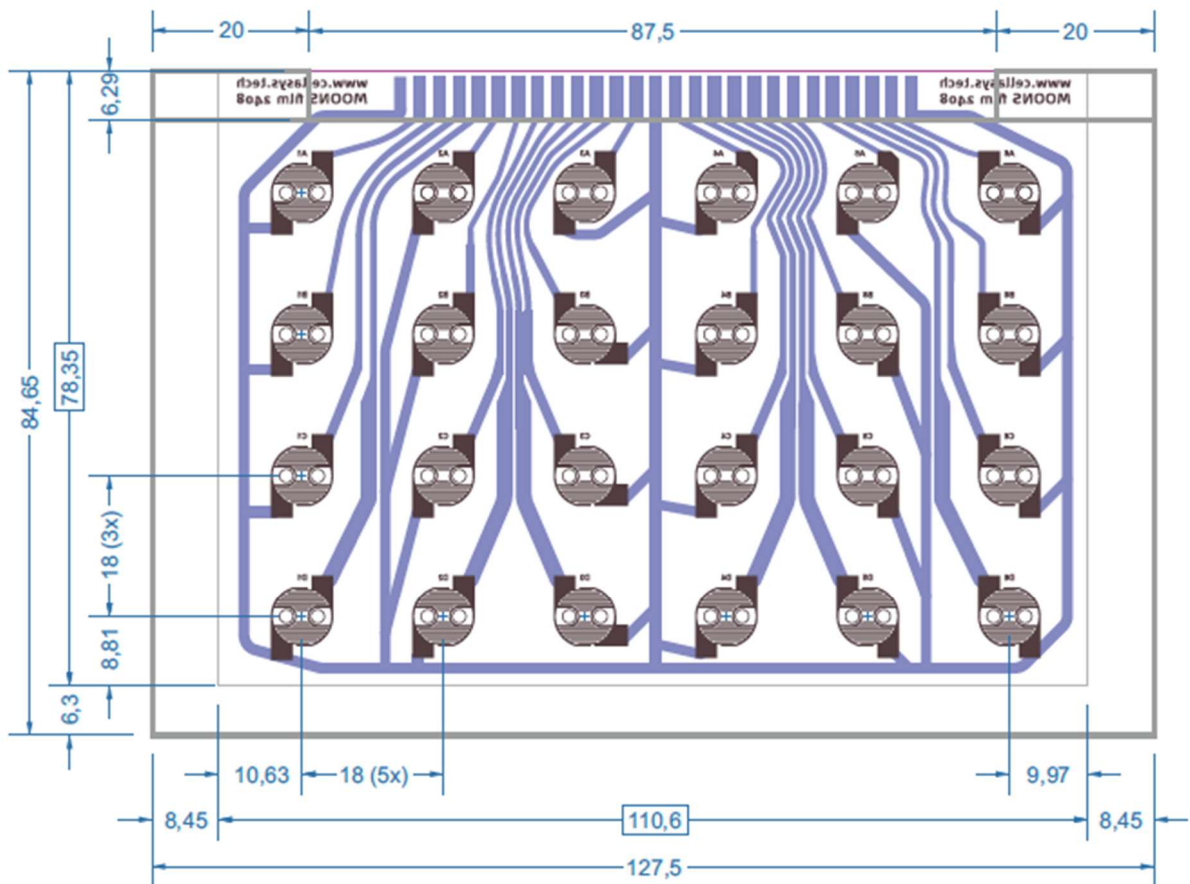


Figure 2: Dimensions

Adhesion promoting agent

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

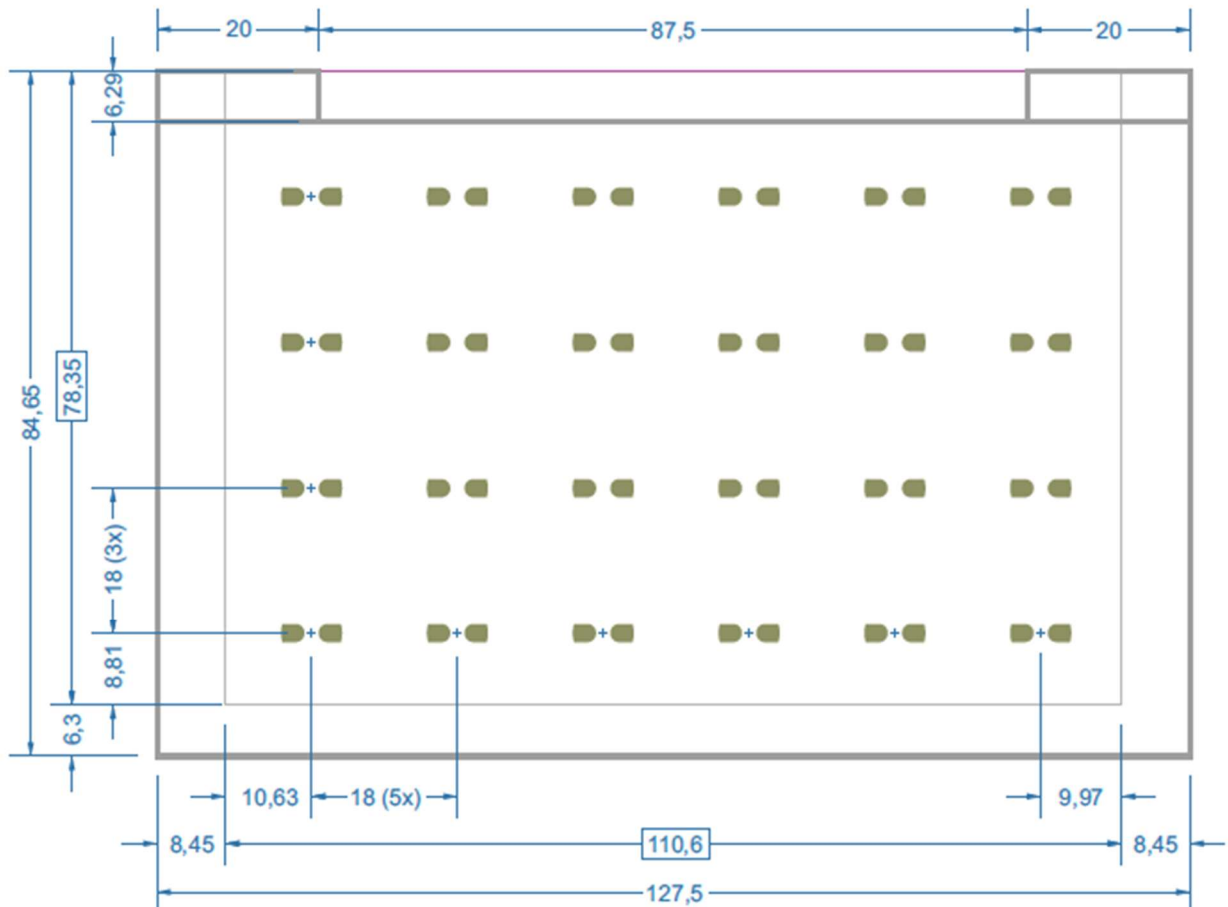


Figure 3: Dimensions of adhesion promoting agent

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 mm ³ |
| Weight: | 53 g |
| Optical properties | 200 µm PET foil |
| Operating temperature: | 0 °C to +80 °C |

Impedance (IDES)

| | |
|-----------------------------------|-------------------------------|
| Dimensions: | ~ 40 mm ² |
| 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 according to 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 state of the technology from February 2025 and are subject to change without notice. No liability is assumed for pictures, descriptions, or any content of this document.

All descriptions, pictures, technical drawings, and all other illustrations are protected by copyright and unless otherwise marked property of cellasys know-how UG (haftungsbeschränkt).

Any subsequent use needs prior written, allowance by cellasys know-how UG (haftungsbeschränkt).

Contact

cellasys know-how UG (haftungsbeschränkt)
Illerstrasse 14
87758 Kronburg / Germany

www.cellasys.tech
info@cellasys.tech