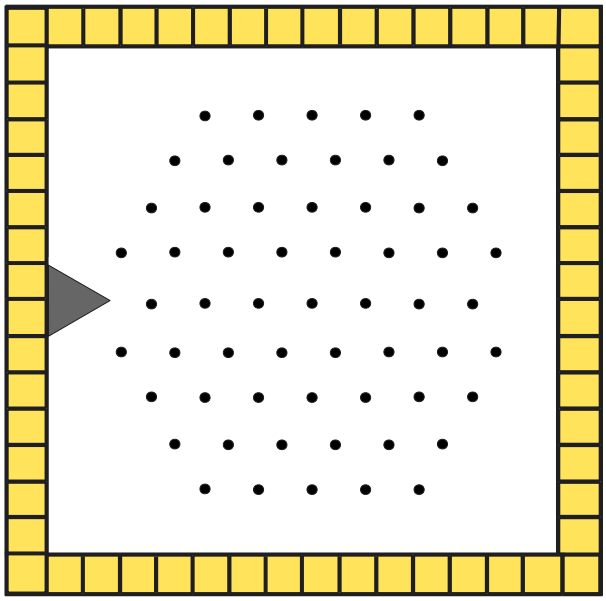
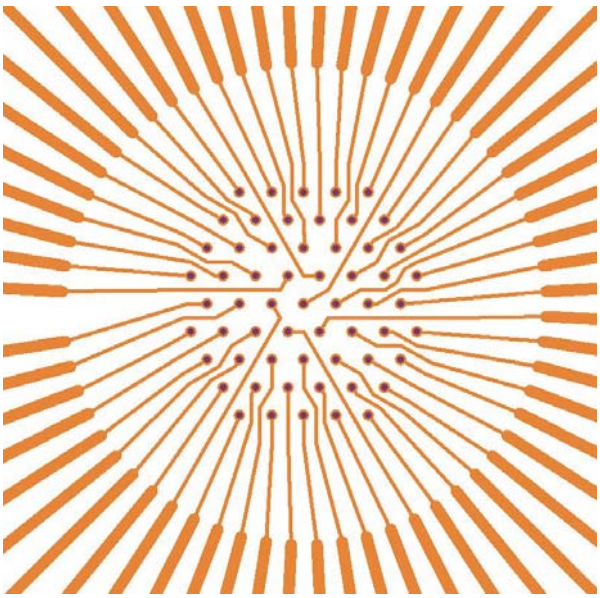
HexaMEA40/10

HexaMEA40/10iR-ITO

multichannel systems

Hexa Microelectrode Array





Technical Specifications HexaMEA40/10

Temperature compartibility	0 - 125 °C
Dimension (W x D x H)	49 mm x 49 mm x 1 mm
Base material	Glass
Contact pads and track material	ITO (Indium tin oxide)
Electrode diameter	10 µm
Interelectrode distance (centre to centre)	40 µm
Electrode height	Planar
Electrode type	TiN (Titanium nitride)
Isolation type	Silicon nitride 500 nm (PEVCD)
Electrode impedance	Approximately 250 - 400 kΩ
Electrode layout grid	Hexagonal
Number of electrodes	60
Reference electrode	with internal reference electrode (iR)
MC_Rack:	
Source layout in “Data Source Setup”	2 dim (MEA)
Channel map	HexaMEA40/10.cmp

MEA perfusion chamber

(w/o) Without ring
(gr) Glass ring: ID +/- 20 mm, OD 24 mm, height 6 / 12 mm
(pr) Plastic ring without thread: ID 26 mm, OD 30 mm, height 6 / 3 mm
(pr-T) Plastic ring with thread: ID 25 mm, OD 30 mm, height 6 / 15 mm

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HexaMEA40/10

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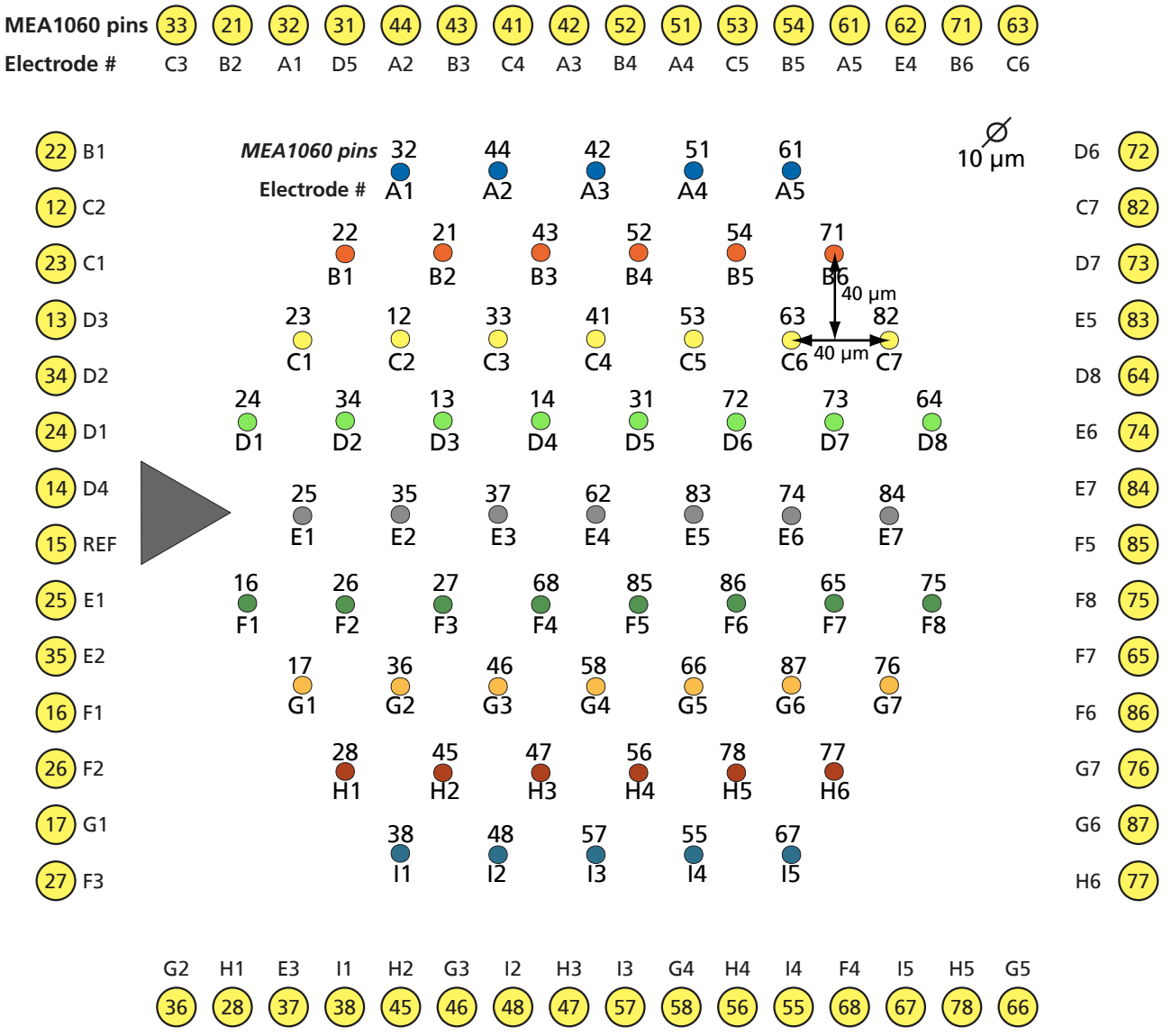
multichannel systems

Electrode Layout



The letter-digit code is the electrode identifier and refers to the position of the electrode in the hexa grid. The specified MEA1060 amplifier pin numbers are the channel numbers that are used in MC_Rack.

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