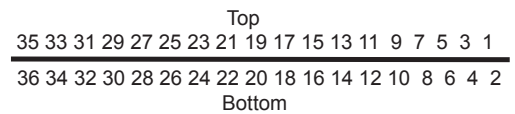
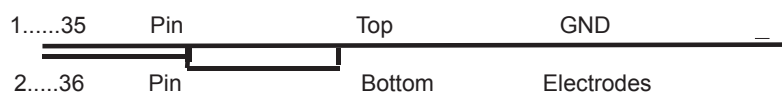


EcoFlexMEA24

Flexible Microelectrode Array with 24 electrodes for use with 32-Channel Miniature Preamplifier MPA32I for *in vivo* or *in vitro* applications.



Connect the EcoFlexMEA24 directly to a 32-Channel Miniature Preamplifier. The electrode field is at the bottom of the EcoFlexMEA24. Insert the EcoFlexMEA24 into the MPA32I with the electrode field up.

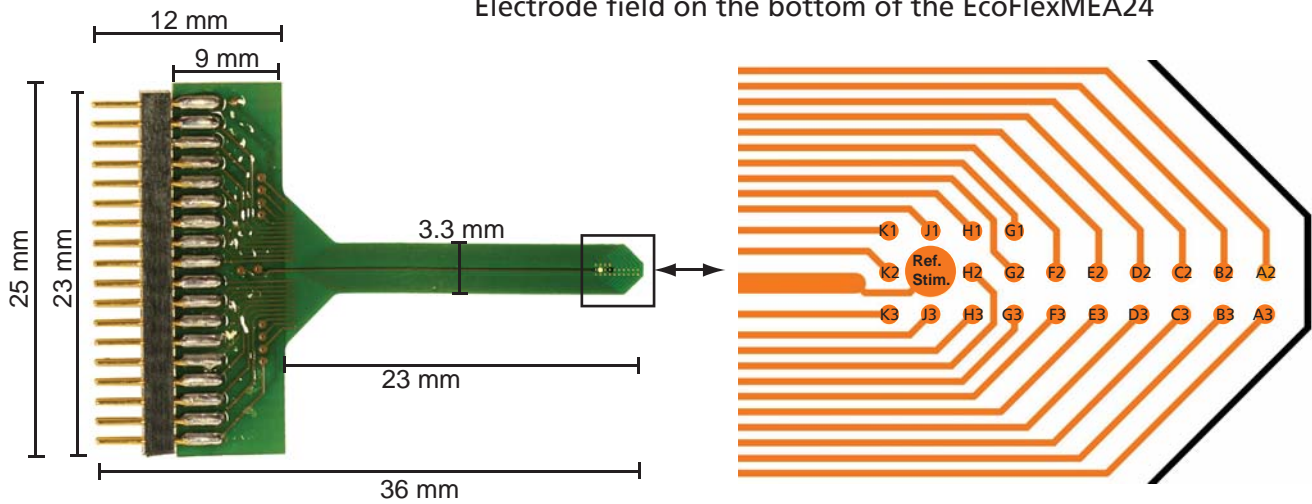
Technical Specifications EcoFlexMEA24

Temperature compatibility	10 - 125 °C
Dimension (W x D)	36 mm x 25 mm
Thickness (region of electrodes)	50 µm
Base material	Polyimide (Kapton)
Contact pads and leads	Gold
Electrode diameter	80 µm
Interelectrode distance (centre to centre)	300 µm
Electrode heights	Planar
Electrode type	Gold
Isolation type	Polyimide (Kapton)
Electrode impedance	Approximately 30 - 50 kΩ
Electrode layout grid	10 x 2 + 4
Number of recording electrodes	23
Number of reference electrodes	2 internal reference electrodes
Number of ground electrodes	2 ground electrodes

MC_Rack	Version 4.1.1 and higher
Data Source Setup	Source Layout: Configuration, Total Number of Channels: 64, Amplifier: FA32I/S or FA64I/S, MEA: EcoFlexMEA24.
Channel map	Display: Layout tab > Default Map (EcoFlexMEA24.cmp).
Cleaning	Rinse with distilled water. EcoFlexMEAs are heat stable and can be autoclaved.

EcoFlexMEA24

Electrode Layout

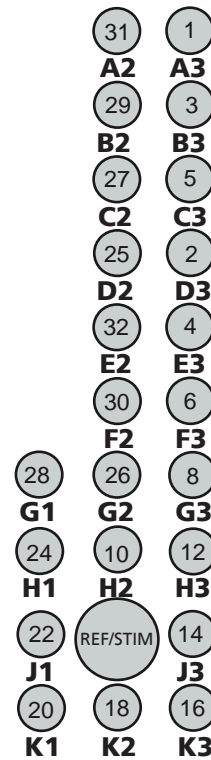


Electrode field on the bottom of the EcoFlexMEA24

EcoFlexMEA24 OUT / MPA32I IN

Pin	Electrode	Data Acquisition Software Channel Number
Pin 1:	GND (Top)	
Pin 2:	Ref. / Stim.(Bottom)	
Pin 3:	A3	1
Pin 4:	D3	2
Pin 5:	B3	3
Pin 6:	E3	4
Pin 7:	C3	5
Pin 8:	F3	6
Pin 9:	not connected	7
Pin 10:	G3	8
Pin 11:	not connected	9
Pin 12:	H2	10
Pin 13:	not connected	11
Pin 14:	H3	12
Pin 15:	not connected	13
Pin 16:	J3	14
Pin 17:	not connected	15
Pin 18:	K3	16
Pin 19:	not connected	17
Pin 20:	K2	18
Pin 21:	not connected	19
Pin 22:	K1	20
Pin 23:	not connected	21
Pin 24:	J1	22
Pin 25:	not connected	23
Pin 26:	H1	24
Pin 27:	D2	25
Pin 28:	G2	26
Pin 29:	C2	27
Pin 30:	G1	28
Pin 31:	B2	29
Pin 32:	F2	30
Pin 33:	A2	31
Pin 34:	E2	32
Pin 35:	Ref. / Stim.(Bottom)	

Channel Map



Warning: The device may only be used together with the MPA32I from Multi Channel Systems MCS GmbH, and only for the specified purpose. Damage of the device and even injuries can result from improper use.