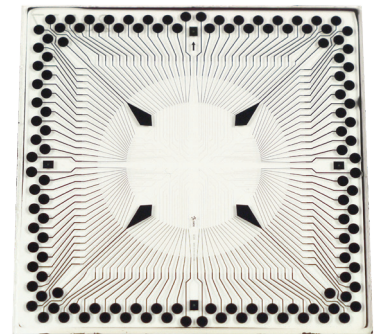


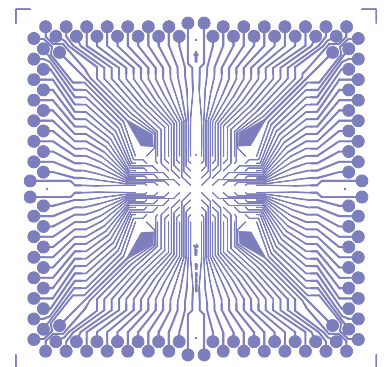
**120MEA1000-1500/30iR-Ti**  
For Use with MEA2100-120-System

Layout: 12 x 10 grid



**Technical Specifications**

Temperature compatibility	0 - 125 °C
Dimensions (W x D x H)	49 mm x 49 mm x 1 mm
Base material	Glass
Track material	Ti (Titanium)
Contact pads	Ti (Titanium)
Electrode diameter	30 µm
Interelectrode distance (center to center)	1000 µm vertical, 1500 µm horizontal
Electrode height	Planar
Electrode material	TiN (Titanium nitride)
Isolation material	Silicon nitride 500 nm (PEVCD)
Electrode impedance	< 100 kΩ
Electrode layout grid	12 x 10
Number of recording electrodes	120
Number of reference electrodes	1 internal reference electrode (iR)
Contact pads for reference electrodes, connected to ground	4
Software	
Multi Channel Experimenter	MEA Configuration
MC_Rack	2 dim. (MEA) or Configuration
Channel map	Default



**Advantages**

- With very wide spacing between the electrodes to cover a big slice or a big part of a cell culture.

**MEA Perfusion Chamber**

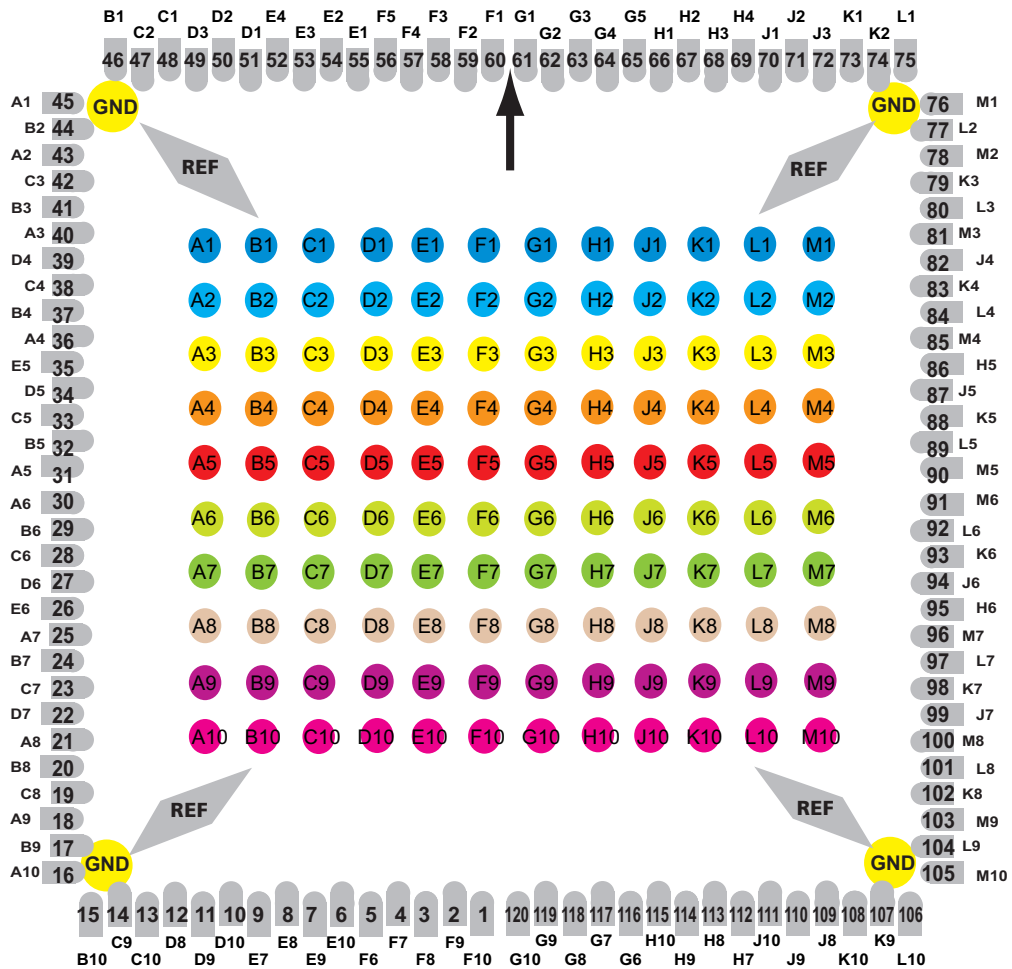
- (w/o) Without ring
- (pr) Plastic ring without thread ID 26.5 mm, OD 30 mm, height 6 / 15 mm
- (pr-T) Plastic ring with thread ID 26 mm, OD 30 mm, height 6 / 15 mm

**120MEA1000-1500/30iR-Ti**  
For Use with MEA2100-120-System

Layout: 12 x 10 grid

**Orientation**

Please insert the 120MEA in correct orientation when looking from the front into the opened headstage. The small arrow near to the contact pads of the 120MEA faces upwards.



The letter digit code is the electrode identifier, and refers to the position of the electrode in the 12 x 10 layout grid. The number code is the hardware identifier of the electrode. The reference electrodes (REF) are connected to ground (GND).

**120MEA1000-1500/30iR-Ti**  
For Use with MEA2100-120-System

Layout: 12 x 10 grid

**Hardware ID and Corresponding Electrode ID**

HW ID	EL ID	HW ID	EL ID	HW ID	EL ID	HW ID	EL ID	HW ID	EL ID
120	G10	96	M7	72	J3	48	C1	24	B7
119	G9	95	H6	71	J2	47	C2	23	C7
118	G8	94	J6	70	J1	46	B1	22	D7
117	G7	93	K6	69	H4	45	A1	21	A8
116	G6	92	L6	68	H3	44	B2	20	B8
115	H10	91	M6	67	H2	43	A2	19	C8
114	H9	90	M5	66	H1	42	C3	18	A9
113	H8	89	L5	65	G5	41	B3	17	B9
112	H7	88	K5	64	G4	40	A3	16	A10
111	J10	87	J5	63	G3	39	D4	15	B10
110	J9	86	H5	62	G2	38	C4	14	C9
109	J8	85	M4	61	G1	37	B4	13	C10
108	K10	84	L4	60	F1	36	A4	12	D8
107	K9	83	K4	59	F2	35	E5	11	D9
106	L10	82	J4	58	F3	34	D5	10	D10
105	M10	81	M3	57	F4	33	C5	9	E7
104	L9	80	L3	56	F5	32	B5	8	E8
103	M9	79	K3	55	E1	31	A5	7	E9
102	K8	78	M2	54	E2	30	A6	6	E10
101	L8	77	L2	53	E3	29	B6	5	F6
100	M8	76	M1	52	E4	28	C6	4	F7
99	J7	75	L1	51	D1	27	D6	3	F8
98	K7	74	K2	50	D2	26	E6	2	F9
97	L7	73	K1	49	D3	25	A7	1	F10