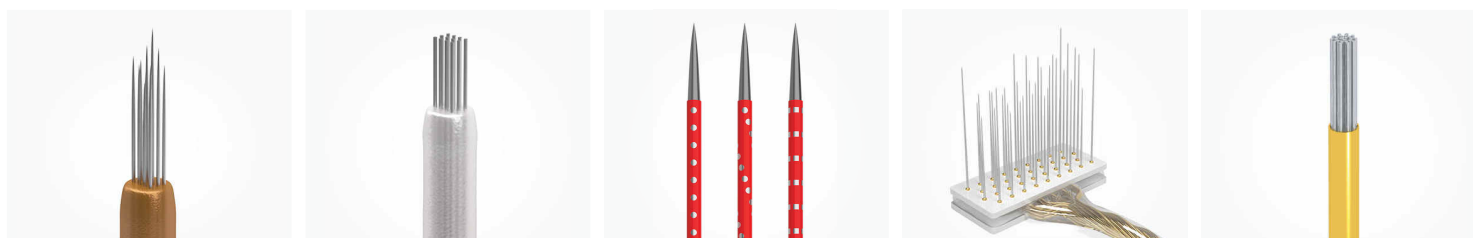


MULTICHANNEL ARRAY COMPARISON CHART



	MEA	MWA	LMA	FMA	MBA
CONTACT METAL TYPE	Pt/Ir & Ir A	SS, Pt/Ir, NiCr A	Pt/Ir A	Pt/Ir & Ir A	Pt/Ir & NiCr A
CONTACTS INSULATION TYPE	Parylene-C	Teflon (TFE) Polyimide (Kapton)	Polyimide	Parylene-C	Polyimide
MIN # OF CONTACTS	4	4	4	4	8
MAX # OF CONTACTS	36	36	32 per shank	36	96
CONTACT DIAMETER	1 to 6 µm	25 or 50 µm	12.5, 25, 37.5 and 50 µm	1 to 6 µm	12.5, 25, 37.5 and 50 µm
CONTACTS SPACING	0.1 to 1.0 mm	Multiples of 250 µm	0.1 to 1.0 mm	0.4 mm and 0.25 mm	None
MAX. ELECTRODE/WIRE LENGTHS	40 mm	35 mm <i>(5 mm beyond carbo wax)</i>	15 or 25 mm + SS shank length	10 mm	2.5 - 120 mm
LENGTHS FOR DIFFERENT ELECTRODE/WIRE	Yes 1.0 to 40 mm	Yes, for different rows only	N/A	Yes - 0.5 to 10.0 mm	Yes
POLYIMIDE TUBING (FOR ADDITIONAL STIFFNESS)	Yes	For Tetrode configuration only	N/A	No	N/A
REFERENCE AND GROUND CONNECTIONS	Yes	Yes	Yes	Yes	Yes
IMPEDANCE VALUES	5 kΩ - 2.5 MΩ	0.2 - 0.8 MΩ	0.05 - 1.0 MΩ	5 kΩ to 2.5 MΩ	0.1 to 1.0 MΩ
CONNECTOR TYPE	Any connector style may be used	Any connector style may be used	Any connector style may be used	Omnetics: A79022-001 A79014-001 A79038-001 D	Any connector style may be used
CHRONIC OR ACUTE IMPLANTATION	Both	Chronic only C	Acute: SU and LFP, Chronic: LFP	Chronic only C	Both
FOR STIMULATION PROTOCOLS C	Pt/Ir & Ir	Inquiry w/us	Inquiry w/us	Pt/Ir & Ir	Inquiry w/us
CAN INTEGRATE A DRUG DELIVERY CHANNEL?	Yes	Yes	No	No	Yes
CAN INTEGRATE AN OPTIC FIBER	Yes	Yes	Inquiry w/us	No	Yes B

A Pt/Ir > Platinum Iridium, Ir > Iridium, SS > Stainless Steel, NiCr > Nickel Chromium

B With dramatic increase in diameter

C Recommended

D For alternative connectors contact us