



**ENGINEERED
CONDUCTIVE
MATERIALS**

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BIOSENSORS

Product Designation	Description	Typical Application/Benefit	Application Method	Electrical Resistance Ohms/Sq/Mil
Conductive Circuitry				
CI-1001	Silver ink, highly conductive	Circuit traces to electrodes, defibrillator pads, EMI	Screen Print	< 0.015
CI-2001	Carbon Ink, general purpose	Silver top coat, TENS pads, ESD	Screen Print	<20.0
Conductive Electrodes				
CI-2042	Carbon ink - highly sensitive, stable	Glucose sensor electrode surface	Screen Print	<10.0
CI-4001	Silver/Silver Chloride (45%/55%)	Drug delivery	Screen or Pad Print	<0.500
CI-4002	Silver/Silver Chloride (83%/17%)	ECG/EEG pad	Screen Print	<0.050
CI-4003	Silver/Silver Chloride (31%/69%)	Drug delivery	Screen Print	<1.000
CI-4004	Silver Chloride (100%)	Mix with CI-4002 for custom ratios	Screen Print	>1.000
Conductive Adhesives				
DB-1501	Silver adhesive, single component	Surface mounting or general attachments	Stencil Print	0.0004 ohm-cm
DB-1561	Silver adhesive, two component	Surface mounting or general attachments	Needle Dispense	0.003 ohm-cm
EC-9519	Encapsulant, UV curable	Encapsulate surface mount device or similar attachments	Needle Dispense	>100 Mega ohms
Dielectric Insulators				
DI-7008 A/B	Insulator, solvent based heat cure	Protect electronic circuitry, blend into conductive inks	Screen Print	>1,000 Mega ohms
DI-7503	Dielectric, UV Cure	Circuitry insulation, cross-over bridge	Screen Print	>1,000 Mega ohms
Iontophoresis				
CI-5002	Zinc ink, anode	Iontophoretic battery anode	Screen Print	>1 Mega ohms