



**ENGINEERED
CONDUCTIVE
MATERIALS**

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MEMBRANE SWITCHES

Product Designation	Description	Typical Application/Benefit	Application Method	Electrical Resistance Ohms/Sq/Mil
Silver Circuit Traces				
CI-1001	Silver-vinyl ink, highly conductive, flexible	Circuit traces / Low Ω , low cost	Screen Print	< 0.015
CI-1028	Silver-polyester ink, high solids, wear resistant, fast dry	Circuit traces / fine line printable, long switch actuation life	Screen Print	< 0.020
CI-1036	Silver-urethane ink, highly conductive, highly flexible	Circuit traces / lowest Ω , highly creasable	Screen Print	< 0.010
Carbon Resistors, Contact Pads				
CI-2001	Carbon-vinyl ink, general purpose	Top coat for silver contacts, can blend with CI-1001 to target resistance	Screen Print	< 20
CI-2002 Series	Carbon inks, stable resistance	Varied resistance blends for target resistance matching	Screen Print	20 – 100,000
CI-2042	Carbon ink, low ohm	Low cost x-over, low ohm resistor	Screen Print	< 10
CI-5001	Nickel ink, highly wear resistant for ZIF connectors, low ohm	ZIF tail contacts and jumpers, print in one pass	Screen Print	< 5
Dielectric Insulators				
DI-7502	Dielectric, UV cure	Silver trace and cross-over junction insulation, highly flexible	Screen Print	>1,000 Mega ohms
DI-7509	Dielectric, UV Cure	Silver trace and cross-over junction insulation, moisture resistant	Screen Print	>1,000 Mega ohms
DI-7009	Heat cure insulator	Silver trace insulation, highly flexible	Screen Print	>100 Mega ohms
Miscellaneous				
DB-1501	Silver epoxy, single component	SMD attachments, high shear strength, long stencil life	Stencil Print	0.0004 ohm-cm
DB-1561	Silver epoxy, two component	SMD attachment, low temp cure	Needle Dispense	0.003 ohm-cm
DI-7801	UV pressure sensitive adhesive	Selectively print PSA, eliminate die-cut tapes	Screen Print	>1,000 Mega ohms
DI-7511	UV spacer	Thick printing for spacer formation, good insulation for silver traces	Screen Print	>1,000 Mega ohms
CI-1035	Silver-polyester, adhesion and stress compatible with ITO coated film.	Capacitive or transparent touch switch, low temp cure	Screen Print	< 0.025