SMI Electronics provides a wide range of materials, components, and solutions to meet the quality and performance needs of the electronics industry. For more than a century, SMI has been recognized as a world leader in product innovation. Our ability to combine core technologies has allowed more than 50,000 SMI products to become an important part of everyday life across many diverse markets. SMI Electronics can find the solution for you with products and services in:

- Abrasives
- Chemicals
- Interconnect
- Microinterconnect
- Static Control
- Tapes and Adhesives
- Transport

Proven and reliable for functionality and productivity.
APPEARANCE ENHANCEMENT

3M Bumpon® Protective Products
3M Bumpon® Protective Products provide excellent cushioning and adhesion properties. Available in color-matched custom shapes with the option of registered graphics.

ATTACHING & BONDING

3M Double Coated Tapes
Excellent adhesion to plastic and metal materials and good shock resistance.

3M Adhesive Transfer Tapes
Pressure-sensitive adhesive provided on release liner; available with a wide variety of tack, temperature resistance and adhesive properties.

3M VHB® Tapes
Acrylic foam adhesive that provides excellent sealing properties against water and dust.

3M Plastic Bonding Adhesives
Enables low-cost way to achieve structural-like strength with very thin bond line and continuous seal. Excellent for handling part-to-part variation while still meeting thermal cycling and shock resistance requirements.

3M Optically Clear Laminating Adhesives
Highly specialized clear film adhesives offer superior clarity and adhesion for applications requiring an optically clear bond.

3M Light Cure Adhesives
Low- to medium-viscosity UV and visible light cure adhesives forming flexible to semi-rigid bonds; usually cure in less than 10 seconds.

3M Liquid Epoxy Adhesives
Cost-efficient bonding and sealing for a wide range of electronics applications.

ATTACHING & BONDING

3M Bonding Films
Combine hot melt speed and the precision fit of film to bond metal and plastic parts. Excellent for handling part-to-part variation while still meeting thermal cycling and shock resistance requirements.

3M Membrane Switch Laminating Adhesives
A line of membrane switch systems that will prevail against the test of time, withstand stress of actuations and stay strong in a variety of environments.

3M Bonding Films
Double and single-coated polyester membrane spacers for bonding and separating circuits in construction of membrane switches, and for metal dome placement and lead protection.

3M™ Light Cure Adhesives
Low- to medium-viscosity UV and visible light cure adhesives forming flexible to semi-rigid bonds; usually cure in less than 10 seconds.

3M UV B-Stage Adhesives
100% solid thixotropic pastes for die or stiffener attach, applied to substrates using conventional screen or stencil printing equipment.

BATTERY MATERIALS

3M Battery Cathode Materials
Proprietary cathode materials with excellent electrochemical properties and thermal stability for use in rechargeable lithium ion batteries.

CLEANING

3M Novec™ Aerosol Cleaners
Non-flammable, high performance cleaners with a favorable environmental profile.

3M Novec™ Engineered Fluids
Ideal for many applications: Based on sustainable chemistry, Novec Engineered Fluids have low global warming potential, zero ozone depletion potential, low toxicity and are non-flammable.

COATING

3M Novec™ Electronic Coatings
An easy way to add water and oil repellency to electronic components. Coatings that can provide moisture protection for sensitive circuit boards or repel fingerprints for easy-to-clean displays.
3M™ Electrically Conductive Tapes
Electrode conductive adhesive transfer tapes provide mechanical bonding as well as electrical connection; used to bond foil-type EMI shielding to electronic devices and to ground flexible printed circuits.

3M™ EMI Absorbers
Sufficiently suppresses broadband frequency range radiated noise from electronic devices.

3M™ Bonding Films
Combine hot melt speed and the precision fit of film to bond metal and plastic parts. Excellent for handling part-to-part variation while still meeting thermal cycling and shock resistance requirements.

3M™ VHB™ Tapes
Acrylic foam adhesive that provides excellent sealing properties against water and dust.

3M™ Copper Interconnects
3M offers a variety of copper-based interconnects for memory cards and micro coaxial cable.
**MICROINTERCONNECT SOLUTIONS & RELATED TAPES**

**3M** Flexible Circuits
- From design to prototypes to high volume production, 3M provides custom flexible circuits for a variety of applications. Options for one-metal layer circuits include platings, covercoats and substrate materials.

**3M** Anisotropic Conductive Films
- Heat-bondable electrically conductive films allow fine pitch electrical interconnection through the film thickness.

**3M** EMI Fabric Shielding Tapes
- A variety of shielding foils designed for applications requiring reliable point-to-point electrical contact, particularly EMI shielding, grounding and static charge draining.

**3M** EMI Foil Shielding Tapes
- Metal-coated flexible rip-stop fabric for applications requiring reliable point-to-point electrical contact, particularly EMI shielding, grounding and static charge draining.

**3M** UV B-Stage Adhesives
- 100% solid thermoplastic pastes for die or stiffener attach, applied to substrates using conventional screen or stencil printing equipment.

**PCB FABRICATION MATERIALS**

**3M** Embedded Capacitor Material
- Embedded Capacitor Materials are ideal for PC Boards and Modules where electrical performance (signal integrity, noise reduction and EMI reduction) and space savings through the elimination of discrete capacitors are required. Ultra-thin, high capacitance density laminates provide low impedance power distribution and dampen board resonances.

**PACKAGING & SHIPPING**

**3M** Packaging Solutions
- Products from Web-based applications for integrated packaging management, to specialty films and adhesive tape to meet your packaging needs.

**PRODUCT HANDLING & PROTECTION**

**3M** Protective Tapes
- Removable pressure-sensitive tapes to protect products from scratching, marring and chipping during production and shipping.

**3M** UHMW Polyethylene Tapes
- Single-sided tapes with release surface properties, a low coefficient of friction and excellent abrasion resistance.

**PRODUCT IDENTIFICATION & PROTECTION**

**3M** Performance Label Materials
- Protective labels and film material such as 3M Overlaminating Performance Label Material 76991 protect your device during production and shipping.

**3M** Water Contact Indicator Tape
- Designed for providing clear evidence of water damage for warranty claim resolution in electronic devices.

**3M** Bumpon® Protective Products
- Bumpon® Protective Products provide excellent cushioning and adhesion properties. Available in color-matched custom shapes with the option of registered graphics.

**3M** Static Control Packaging and Transport
- A wide variety of static shielding and barrier packaging products to protect sensitive electronic components from static charges during transit and while in storage.

**3M** Brand Protection Products
- Innovative security solutions using proprietary 3M technologies including light management, optics, films, adhesives and holography to protect electronic components from fraud and tampering.

**3M** UHMW Polyethylene Tapes
- Single-sided tapes with release surface properties, a low coefficient of friction and excellent abrasion resistance.
3M™ Static Control
Packaging and Transport
A wide variety of static shielding and barrier packaging products to protect sensitive electronic components from static charges during transit and while in storage.

3M™ Antistatic Tapes
The unique conductive polymer adhesive on these tapes suppresses static during unwind from the roll and during removal from a surface. Useful for sealing static shielding bags, holding documentation and bundling shipping trays.

3M™ Static Control
Workstation Solutions
Products to monitor static discharges and charge, drain charge from personnel and limit its buildup on nonconductive materials. Configured to work together to provide a safe environment for the handling and assembly of sensitive components.

3M™ Static Control Permanent Flooring Systems
Conductive or static-dissipative tile flooring that effectively controls electrostatic discharge and reduces static damage throughout a facility when used with conductive footwear or heel grounding straps.

3M™ Static Control Test Equipment
Practical tools to handle all aspects of ESD, EMI and EMC from diagnostics to compliance, from monitoring to cost-effective management of ESD and EMI in production.

3M™ Cover Tapes
3M offers a wide variety of industry leading Pressure Sensitive (PSA) and Heat Activated (HAA) Cover Tapes for use on most types of component sealing machines.

3M™ Embossed Carrier Tapes
3M™ Embossed Carrier Tape serves as a reliable and convenient means of protecting and transporting electronic devices and precisely delivering them to the assembly point.

3M™ Transport Solutions provides a full range of standard and custom embossed carrier tapes, cover tapes, JEDEC-style trays and reels that meet your requirements for component protection and help you increase productivity.

3M™ Moisture Barrier Bags
The 3M™ Moisture Barrier Bag 3370 has been designed to meet the demanding moisture protection needs of the electronics market.

3M™ Trays and Clips
3M Trays and Clips are available in high temperature and low temperature versions. The precision nature of the trays ensures accuracy during manufacturing and inspection, plus protection during transport.

3M™ Thermal Interface Materials
Thermally conductive tapes, pads and adhesives offering high thermal conductivity by focusing on bulk and interfacial conductivity.

3M™ Plastic Reels and Accessories
3M™ Antistatic Plastic Reels are EIA compatible, injection molded three-piece reels, available in a variety of widths and diameters, which can help protect components packaged in 3M Carrier Tapes.

3M™ Packaging Solutions
Products from Web-based applications for integrated packaging management, to specialty films and adhesive tape to meet your packaging needs.

3M™ Transport Solutions
Provides a full range of standard and custom embossed carrier tapes, cover tapes, JEDEC-style trays and reels that meet your requirements for component protection and help you increase productivity.
Important Notice
Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

Warranty; Limited Remedy; Limited Liability.
3M’s product warranty is stated in its Product Literature available upon request. 3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M’s option, to replace or repair the 3M product or refund the purchase price of the 3M product. Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.