3M Electronics provides a wide range of materials, components and solutions to meet the quality, protection and performance needs of the electronics industry. For more than a century, 3M has been recognized as a world leader in product innovation. Our ability to combine core technologies has allowed more than 55,000 3M products to become an important part of everyday life across many diverse markets. 3M 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.

被验证的可靠性功能性 高效性
ATTACHING & BONDING
贴附 & 粘接

3M™ Double Coated Tapes
3M™ 双面胶带
Excellent adhesion to plastic and metal materials and good shock resistance.
对塑料和金属材料具有优异的粘附性以及良好的抗冲击性。

3M™ Adhesive Transfer Tapes
3M™ 纯胶膜
Pressure-sensitive adhesive provided on release liner; available with a wide variety of tack, temperature resistance and adhesive properties.
无基材纯胶膜是将压敏胶直接覆合在离型纸上的一种胶带，并有不同黏性、耐温性及胶粘强度的纯胶膜可供选择。

3M™ VHB® Tapes
3M™ VHB® 胶带
Acrylic foam adhesive that provides excellent sealing properties against water and dust.
这种丙烯酸泡绵胶带防水防尘，具有优异的密封性能。

3M™ Plastic Bonding Adhesives
3M™ 塑料粘结胶水
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.
极薄的胶层提供连续的密封和具有结构性的粘结强度。

3M™ Optically Clear Laminating Adhesives
3M™ 光学透明胶膜
Highly specialized free-film adhesives offer superior clarity and adhesion for applications requiring an optically clear bond.
无基材的特殊胶膜，提供高透明的粘结层。

3M™ Light Cure Adhesives
3M™ 光固化胶水
Low- to medium-viscosity UV and visible light cure adhesives forming flexible to semi-rigid bonds; usually cure in less than 10 seconds.
UV或可看光固化胶水提供低到中粘性，形成弹性或者半弹性的粘结层。通常在10秒内固化。

3M™ Liquid Epoxy Adhesives
3M™ 液体环氧粘合剂
Cost-efficient bonding and sealing for a wide range of electronics applications.
可靠，高效的粘结和密封材料，用于广泛电子设备。
ATTACHING & BONDING
贴附 & 粘接

3M® Bonding Films
3M® 热熔胶膜
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.

电池材料

3M® Membrane Switch Laminating Adhesives
3M® 薄膜开关用无基材纯胶膜
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.

清洁

3M® Membrane Switch Spacer
3M® 薄膜开关隔片
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.

电池材料

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

电池材料

3M® Battery Cathode Materials
3M® 电池正极材料
Proprietary cathode materials with excellent electrochemical properties and thermal stability for use in rechargeable lithium ion batteries.

涂层

3M® Novec™ Electronic Coatings
3M® Novec™ 电子涂层
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.

电池材料

3M® Fluorad® Battery Electrolytes
3M® Fluorad® 电池电解液
Advanced primary and secondary lithium ion battery electrolyte salts with excellent thermal and hydrolytic stability.

电池材料

3M® Fluorad® 活性炭
Advanced primary and secondary lithium ion battery electrolyte salts with excellent thermal and hydrolytic stability.

电池材料

3M® Novac Battery Materials
3M® Novac电极材料
Proprietary cathode materials with excellent electrochemical properties and thermal stability for use in rechargeable lithium ion batteries.

电池材料

3M® Fluorad® Battery Electrolytes
3M® Fluorad® 电池电解液
Advanced primary and secondary lithium ion battery electrolyte salts with excellent thermal and hydrolytic stability.

电池材料

3M® Fluorad® 电池电解液
Advanced primary and secondary lithium ion battery electrolyte salts with excellent thermal and hydrolytic stability.
**DISPLAY ENHANCEMENT**

**3M™ Vikuiti™ Display Enhancement Films**

Industry leading solutions for brightness enhancement, anti-reflection and light control.

**3M™ Vikuiti™ Anti-Reflection Matte Removable**

Anti-Reflection Matte Removable Film (ARMR) helps protect fragile LCD displays from wear and tear. Reduces glare and offers easy, residue-free removal.

**3M™ Vikuiti™ Glossy Removable Protection Film**

Glossy Removable Protection Film features a durable hard coat, glossy surface and an easy-to-clean Scotchgard™ coating. The film helps protect LCD screens from daily use plus is easy to apply and leaves no residue upon removal.

**EMI/RFI SHIELDING & ABSORBING**

**3M™ EMI Foil 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 Fabric 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.

**显示增强**

**3M™ Vikuiti™ 显示增强光学膜**

提供领导行业的亮度，防反射和光控制的解决方案。

**3M™ Vikuiti™ 液晶屏保护膜透丽型**

透丽型液晶屏保护膜帮助保护脆弱的液晶屏免受外界豪损，减少反光和反光对眼睛的损害，而且移除时不留任何残胶。

**3M™ Vikuiti™ 液晶屏保护膜钻石型**

晶钻型可移除型液晶屏保护膜可以提供一个非常可靠的耐用硬涂层，其透明面表面以及易清洁的Scotchgard™涂层，该保护膜可以削减液晶屏在日常使用过程中得到有效的保护，并且其容易粘贴，移除时不留任何残胶。
EMI/RFI SHIELDING & ABSORBING
EMI/RFI 保护 - EMI 吸收

3M™ Electrically Conductive Tapes
3M™ 导电胶带
Electrically 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
3M™ EMI 吸收体
Sufficiently suppresses broadband frequency range radiated noise from electronic devices.

FASTENING & SEALING
紧固 & 密封

3M™ Bonding Films
3M™ 热熔胶膜
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
3M™ VHB™ 胶带
Acrylic foam adhesive that provides excellent sealing properties against water and dust.

3M™ G-Sheet Acrylic Foam
3M™ G-Sheet 丙烯酸减震泡绵
Shock absorbing sheet providing self-adhesive sealing and dust-proofing. Reworkable and removable.

INTERCONNECT SOLUTIONS
互连解决方法

3M™ Copper Interconnects
3M™ 铜介质连接器
3M offers a variety of copper-based interconnects for memory cards and micro coaxial cable.

3M™ 内存条以及微同轴电缆提供一系列铜质连接器。
MICROINTERCONNECT SOLUTIONS & RELATED TAPES
微互联系统解决方案 & 胶带

3M™ Flexible Circuits
3M™ 柔性线路板
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.

从设计到打样再到批量生产，3M为各式各样的电子行业应用提供定制柔性电路板。具有单-双层铜箔柔性线路。其涵盖了各种电镀、覆膜以及基板材料可供客户选择。

3M™ Anisotropic Conductive Films
3M™ 单向导电胶膜
Heat-bondable electrically conductive films allow fine pitch electrical interconnection through the film thickness.

热粘附提供的导电胶层,用于精细线距的显示部件间的导电连接。

3M™ EMI Fabric Shielding Tapes
3M™ 电磁屏蔽导电布胶带
Metal-coated flexible rip-stop fabric for applications requiring reliable point-to-point electrical contact, particularly EMI shielding, grounding and static charge draining.

金属涂层的柔软撕抗撕裂布基胶带,用于需要可靠的点对点电气接触的应用,尤其是电磁噪声屏蔽、接地和静电泄放方面。

3M™ EMI Foil Shielding Tapes
3M™ 电磁屏蔽金属箔胶带
A variety of shielding foils designed for applications requiring reliable point-to-point electrical contact, particularly EMI shielding, grounding and static charge draining.

屏蔽金属箔系列,用于需要可靠的点对点电气接触的应用,尤其是电磁噪声屏蔽、接地和静电泄放方面。

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

无基材纯胶膜是指压敏胶直接涂布在离型纸上的一种胶带，并有不同初粘性、耐温性及胶粘强度的纯胶膜可供选择。

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

单面UHMW聚乙烯胶带用于表面增滑。该胶带具有低摩擦系数和非常好的抗磨性。

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

100% 固体可触变的粘性材料，用于芯片或加固件的粘接，适用传统的丝网或者丝网印刷设备。

3M™ Embedded Capacitor Material
3M™ 嵌入电容器材料
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.

嵌入式电容器材料是PC板及模组的电气性能的理想选择，信号完整性、噪声及EMI的降低，及通过消除离散电容器节省空间，超薄,高电容密度层压板还能够提供低阻抗配电以及减少板的共振。

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

这种可移除的压敏胶保护膜可以避免产品在生产和运输过程中造成的刮伤，擦伤和碰碎。

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

我们为客户提供包装过程中的整体解决方案，如特种薄膜和胶带等以满足您的包装需求。
3M Performance Label Materials
产品标签材料
Protective labels and film material such as 3M Overlaminating Performance Label Material 76991 protect your device during production and shipping.
保护标签和薄膜材料，例如3M的多层复合标签材料76991，它可以在生产和运输过程中保护您的设备。

3M Water Contact Indicator Tape
水接触指示符磁带
Designed for providing clear evidence of water damage for warranty claim resolution in electronic devices.
为提供水接触的清楚的证据设计为保修单索赔解决方法 电子设备。

3M Bumpon Protective Products
3M Bumpon 防护产品
3M Bumpon Protective Products provide excellent cushioning and adhesion properties. Available in color-matched custom shapes with the option of registered graphics.
3M Bumpon 防护产品具有优异的缓冲和粘附性，为客户提供定制形状，根据不同的图形定制形状，匹配颜色。

3M Static Control
3M 静电控制包装和运输
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.
各种各样的防静电材料和防静电包装材料，用于保护敏感电子元件在运输期间和存储时免受静电的损害。

3M Brand Protection Products
3M 品牌保护产品
Innovative security solutions using proprietary 3M technologies including light management, optics, films, adhesives and holography to protect electronic components from fraud and tampering.
采用3M专有的光处理技术、光学、薄膜、胶粘剂和激光全息技术提供创新的安全解决方案，有效保护电子元件不受伪造和篡改的侵害。

3M UHMW Polyethylene Tapes
3M UHMW聚乙烯胶带
Single-sided tapes with release surface properties, a low coefficient of friction and excellent abrasion resistance.
单面UHMW聚乙烯胶带用于表面增滑。该胶带具有低低摩擦系数和非常好的抗磨性能。

3M Label Materials
产品识别及保护
High performance labels designed for applications including identifying, informing, warning, tracking and securing.
高性能标签为多种应用而设计，包括身份识别、信息、警告、跟踪和安全。

3M Recycling Compatible Label Material
3M 可回收标签材料
Thermal transfer printable labels that are recyclable with PC, ABS, PC/ABS blends and HIPS.
可进行热转移打印，并可与PC, ABS, PC/ABS混合材料以及HIPS一起回收。

3M Brand Protection Products
3M 品牌保护产品
Innovative security solutions using proprietary 3M technologies including light management, optics, films, adhesives and holography to protect electronic components from fraud and tampering.
采用3M专有的光处理技术、光学、薄膜、胶粘剂和激光全息技术提供创新的安全解决方案，有效保护电子元件不受伪造和篡改的侵害。

3M UHMW Polyethylene Tapes
3M UHMW聚乙烯胶带
Single-sided tapes with release surface properties, a low coefficient of friction and excellent abrasion resistance.
单面UHMW聚乙烯胶带用于表面增滑。该胶带具有低低摩擦系数和非常好的抗磨性能。
STATIC CONTROL SOLUTIONS
导热解决方案

3M® Static Control
3M® 静电控制和运输

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.

各种各样的防静电材料和防静电包装材料，用于保护敏感电子元件在运输期间和存贮时免受静电的损害。

3M® Antistatic Tapes
3M® 抗静电磁带

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.

胶带上的导电聚合物粘剂可以在解卷以及从某表面移除时抑制静电，用于密封防静电屏蔽袋，固定文件以及粘合运输托盘。

3M® Static Control Permanent
3M® 静电控制永久性地砖系统

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.

导电型防静电地板系统配合使用导电性鞋跟，有效控制静电释放并且减少静电故障在设备中带来的伤害。

3M® Static Control Workstation Solutions
3M® 静电控制工作区解决方案

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.

监控从人体传导到非导电体的静电的积累和释放，并针对静电防护的要求，配置相关的静电防护产品以达到静电防护的作用。

3M® Static Control Test Equipment
3M® 静电测试仪表系列

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.

处理ESD、EMI和EMC的所有方面的实用工具，可以在生产中监测诊断以及分析ESD和EMI的现象来实现静电防护方案。

From air ionization to monitoring, flooring and shipping materials, 3M provides complete solutions to meet the challenges of ESD and adverse manufacturing conditions during assembly, handling and transport.

从离子风机到静电监控系统，地面材料、运输包装材料等等，3M公司提供了全面有效的解决方案去满足装配、生产和运输周转等等过程中对静电防护的需要。
**THERMAL MANAGEMENT**

**3M™ Thermal Interface Materials**

3M™ 导热界面材料

3M™ 导热界面材料

Thermally conductive tapes, pads and adhesives offering high thermal conductivity by focusing on bulk and interfacial conductivity.

**3M™ Moisture Barrier Bags**

3M™ 防潮袋

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

**3M™ Packaging Solutions**

3M™ 包装方案

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

**3M™ Trays and Clips**

3M™ 托盘

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™ Cover Tapes**

3M™ 盖子磁带

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™ Plastic Reels and Accessories**

3M™ 塑料卷盘和附件

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™ Embossed Carrier Tapes**

3M™ 装饰了载体磁带

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**

3M™ 运输解决方案

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.
**GLOBAL REGIONAL OFFICES**

<table>
<thead>
<tr>
<th>Country</th>
<th>Office Name</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brazil</td>
<td>3M do Brazil Ltd.</td>
<td>0800-0132333</td>
</tr>
<tr>
<td>Canada</td>
<td>3M Canada Company</td>
<td>519-451-2500</td>
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<td>China</td>
<td>3M China Ltd.</td>
<td>86-21-6275-3535</td>
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<td>Europe</td>
<td>3M Belgium N.V.</td>
<td>32-3-250-7521</td>
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<td>India</td>
<td>3M India Limited, Bangalore</td>
<td>91-80-2223-1414</td>
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<td>Japan</td>
<td>Sumitomo 3M Ltd.</td>
<td>813-3709-8250</td>
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<tr>
<td>Korea</td>
<td>3M Korea Ltd.</td>
<td>82-2-3771-4114</td>
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<tr>
<td>Malaysia</td>
<td>3M Malaysia Sdn. Berhad</td>
<td>60-3-7806-2888</td>
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<td>Mexico</td>
<td>3M Mexico S.A. de C.V.</td>
<td>52-52-70-04-00</td>
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<tr>
<td>Philippines</td>
<td>3M Philippines Inc.</td>
<td>63-2-813-3781</td>
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<tr>
<td>Singapore</td>
<td>3M Asia Pacific Pte., Ltd.</td>
<td>65-6450-8888</td>
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<tr>
<td>Taiwan</td>
<td>3M Taiwan Ltd.</td>
<td>886-2-2704-9011</td>
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<td>800-810-8513</td>
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<tr>
<td>Interconnect</td>
<td>800-225-5373</td>
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<td>Microinterconnect</td>
<td>888-845-3933</td>
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<td>Performance Label Materials</td>
<td>800-422-8116</td>
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<td>Static Control</td>
<td>800-328-1368</td>
</tr>
<tr>
<td>Transport</td>
<td>800-666-8273</td>
</tr>
</tbody>
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**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.

**3M Electronic Markets Materials Division**

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