

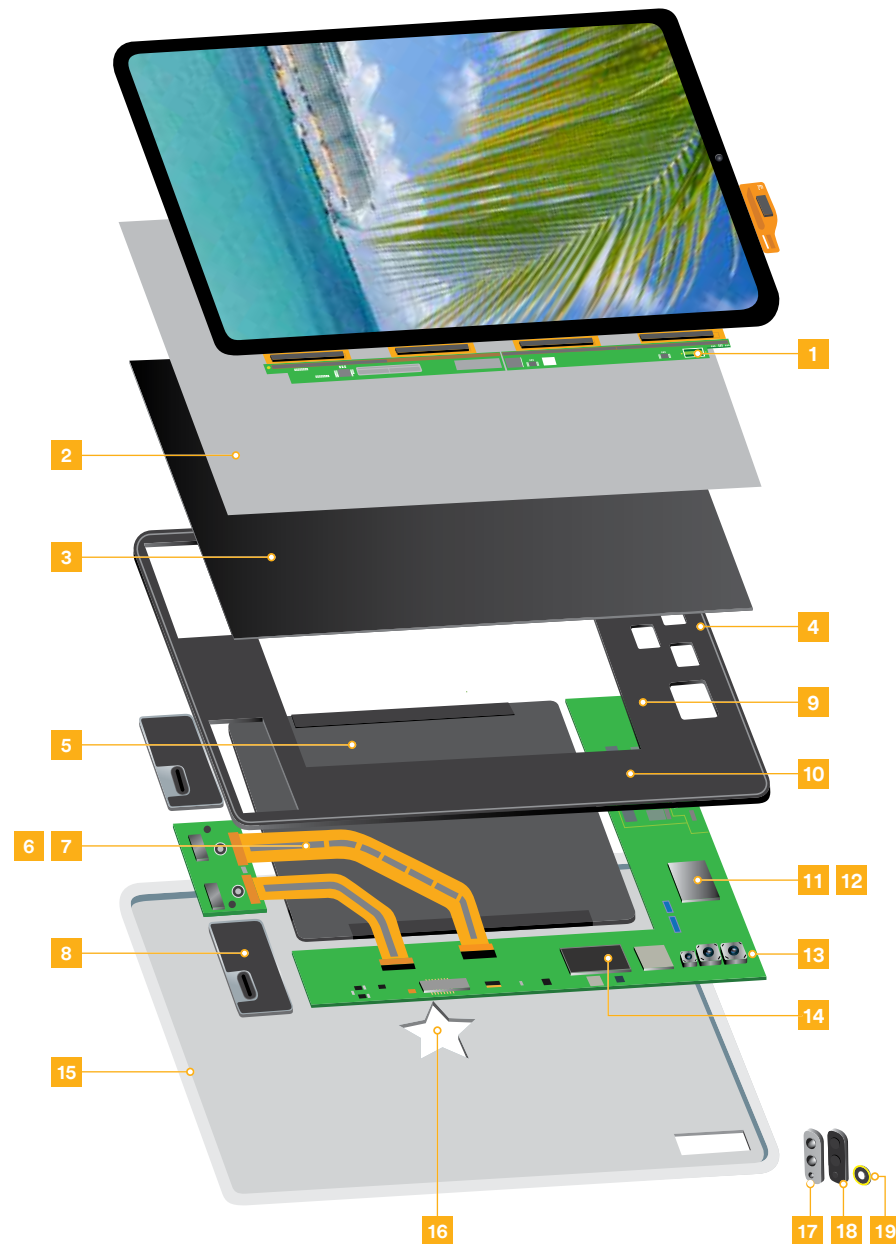
# Hold strong from the inside out.

With today's endless appetite for information, connectivity and entertainment, users routinely shift their usage among multiple devices and platforms. Deliver a powerful, seamless experience into the most rugged, convenient, and transportable tablet designs through enhanced design flexibility and manufacturing agility.

- Get **optimal shock absorption and sealing performance** to help you reduce the risk of broken screens and improve water resistance for tablet assembly.
- **Bond plastic to glass** – helping seal front displays and back covers on tablets with 3M Tapes and Adhesives
- **Bond touch panel to metal** and achieve better reworkability, anti-lifting, anti-repulsion and drop resistance.
- High strength adhesion with **narrow bond lines**
- Achieve **shielding effectiveness targets, RF noise attenuation and unique grounding designs in small contact areas** with conductive adhesives from 3M. With a range of conductive tapes, work with 3M to help find an ideal solution to help reduce EMI when there is contact between commonly used metals such as stainless steel or aluminum.

## Tablet Applications

| No. | Application Idea      | No. | Application Idea       | No. | Application Idea            |
|-----|-----------------------|-----|------------------------|-----|-----------------------------|
| 1   | Display shielding     | 8   | Speaker bonding        | 15  | Back cover bonding          |
| 2   | OLED glass supporting | 9   | PCB grounding          | 16  | Logo bonding                |
| 3   | Graphite bonding      | 10  | Antenna grounding      | 17  | Camera bonding (decoration) |
| 4   | Cover display bonding | 11  | PCB shielding          | 18  | Camera frame bonding        |
| 5   | Battery bonding       | 12  | Shielding can lid tape | 19  | Camera bonding (lens)       |
| 6   | FPC bonding           | 13  | Camera shielding       | 20  | Package bonding (not shown) |
| 7   | FPC grounding         | 14  | IC chips absorber      |     |                             |



|        | Number | Application           | Use ideas                               | Featured Product Number | Product Type                            | Color        | Thickness (µm)        | Features  |
|--------|--------|-----------------------|---|-------------------------|---|--------------|-----------------------|---|
| Tablet | 1      | Display shielding     | Display module edge wrap and shielding  | 3304BC-S                | Single Sided Conductive Black Foil Tape | Black        | 45                    | <ul style="list-style-type: none"> <li>• XYZ-conductivity, conformable</li> <li>• Excellent EMI/ESD and electrical performance over time</li> <li>• Scratch resistant black copper foil carrier</li> </ul>    |
|        | 2      | OLED glass supporting | Glass to SUS plate                      | 81504                   | Adhesive Transfer Tape                  | Clear        | 38                    | <ul style="list-style-type: none"> <li>• Low and stable dielectric constant</li> <li>• High adhesion</li> <li>• High temperature and humidity resistant</li> </ul>  |
|        | 3      | Graphite bonding      | Graphite to graphite or metal           | UCT-xx                  | Double Coated PET Tape                  | Clear        | 10/20/30/50           | <ul style="list-style-type: none"> <li>• Ultra clear</li> <li>• High initial adhesion</li> <li>• Produced in a clean room, easily converted</li> </ul>  |
|        | 4      | Cover display bonding | Ink-coated glass to metal               | VHB™ 5981               | Acrylic Foam PET Tape                   | Black        | 200/250/300/350/400   | <ul style="list-style-type: none"> <li>• Good reworkability</li> <li>• Impact resistance and conformability</li> <li>• Easily converted</li> </ul>  |
|        |        |                       |   | VHB™ 590x               | Acrylic Foam Tape                       | Black        | 150/200/250/300/350   | <ul style="list-style-type: none"> <li>• High bonding strength and durability</li> <li>• Conformable</li> <li>• Seal against water ingress</li> </ul>   |
|        |        |                       |   | VHB™ 864xx*             | Acrylic Foam Tape                       | Black        | 150/200/250/300       | <ul style="list-style-type: none"> <li>• High bonding strength</li> <li>• Impact resistance</li> <li>• Conformable</li> </ul>   |
|        |        |                       | Glass fiber reinforced plastic to metal | 74xxxNH                 | Adhesive Transfer Tape                  | Clear        | 25/75/110/200         | <ul style="list-style-type: none"> <li>• Low modulus at RT &amp; lower temperature</li> <li>• High temperature and humidity resistance</li> <li>• Good liner release properties for convertibility</li> </ul> |
|        | 5      | Battery bonding       | Plastic film to metal alloy             | 552xxP/BP               | Double Coated PET Tape                  | Clear, Black | 50/75/100/120         | <ul style="list-style-type: none"> <li>• High initial adhesion</li> <li>• Good shear holding power</li> <li>• Easily converted</li> </ul>   |
|        |        |                       |   | 950xx                   | Adhesive Transfer Tape                  | Black        | 50/100                | <ul style="list-style-type: none"> <li>• Impact resistance and damping</li> <li>• High bonding strength</li> <li>• Conformable, removable</li> </ul>  |
|        | 6      | FPC bonding           | FPC to metal or film                    | GTM7xxP/BP              | Double Coated PET Tape                  | Clear, Black | 50/80/100/150/200/250 | <ul style="list-style-type: none"> <li>• Bonding to low surface energy substrates</li> <li>• High peel strength</li> <li>• Anti-repulsion, easily converted</li> </ul>  |
|        |        |                       |   | 552xxP/BP               | Double Coated PET Tape                  | Clear, Black | 50/75/100/120         | <ul style="list-style-type: none"> <li>• High initial adhesion</li> <li>• Good shear holding power</li> <li>• Easily converted</li> </ul>   |
|        |        |                       |   | 9471LE, 9472LE          | Adhesive Transfer Tape                  | Clear        | 58, 132               | <ul style="list-style-type: none"> <li>• Bonding to low surface energy substrates</li> <li>• Anti-lifting</li> <li>• Resistance to chemicals, moisture and humidity</li> </ul>                                |

\*Sample available globally, however sales is limited to Asia

Chart continued on next page

|        | Number            | Application                  | Use ideas                              | Featured Product Number                 | Product Type                                 | Color                | Thickness (µm)   | Features   |
|--------|-------------------|------------------------------|--|---|--|----------------------|--|--|
| Tablet | 7                 | FPC grounding                | FPC to back cover/metal grounding      | 9701                                    | Double Sided Non-woven Conductive Tape       | Grey                 | 50/100   | <ul style="list-style-type: none"> <li>• XYZ-conductivity</li> <li>• Good electrical contact to small area</li> <li>• Nickel/copper-coated conductive non-woven fabric carrier</li> </ul>    |
|        | 8                 | Speaker bonding              | PE foam bonding                        | 5126*                                   | PE Foam Tape                                 | Black                | 250/300/350  | <ul style="list-style-type: none"> <li>• Waterproofing</li> <li>• Anti-lifting</li> <li>• High push out force and impact resistance</li> </ul>   |
|        |                   |                              |  | VHB™ 864xx*                             | Acrylic Foam Tape                            | Black                | 150/200/250/300  | <ul style="list-style-type: none"> <li>• High bonding strength</li> <li>• Impact resistance</li> <li>• Conformable</li> </ul>  |
|        | 9                 | PCB grounding                | PCB to back cover grounding            | 9711S                                   | Double Sided Conductive Fabric Tape          | Grey                 | 30/50/80/100/120/130/150/170/200/210/220/250/300   | <ul style="list-style-type: none"> <li>• XYZ-conductivity</li> <li>• Excellent conformability, quick bonding</li> <li>• Nickel/copper-coated conductive fabric and conductive PSA</li> </ul> |
|        | 10                | Antenna grounding            | Low contact resistance of spring pin   | 3304Ni                                  | Single Sided Conductive Tape with Ni Coating | Grey                 | 45   | <ul style="list-style-type: none"> <li>• XYZ-conductivity</li> <li>• Conformable, edge performance</li> <li>• Nickel coating on conductive copper foil carrier</li> </ul>                    |
|        | 11                | PCB shielding                | Metal can shielding and heat spreading | 1020BC                                  | Single Sided Conductive Black Foil Tape      | Black                | 10/20/25   | <ul style="list-style-type: none"> <li>• XYZ-conductivity</li> <li>• Conformable, quick bonding</li> <li>• Black copper foil backing</li> </ul>  |
|        |                   |                              |  | 9772                                    | Double Sided Copper Foil Tape                | Copper               | 11/20/25/30/35/50  | <ul style="list-style-type: none"> <li>• XYZ-conductivity, conformable</li> <li>• Quick bonding, good electrical contact to small area</li> <li>• Copper foil carrier</li> </ul>             |
|        | 12                | Shielding can lid tape       | Shielding can cover to shielding wall  | 9711S                                   | Double Sided Conductive Fabric Tape          | Grey                 | 30/50/80/100/120/130/150/170/200/210/220/250/300   | <ul style="list-style-type: none"> <li>• XYZ-conductivity</li> <li>• Excellent conformability, quick bonding</li> <li>• Nickel/copper-coated conductive fabric and conductive PSA</li> </ul> |
| 13     | Camera shielding  | Camera metal frame shielding | 1020BC                                 | Single Sided Conductive Black Foil Tape | Black  | 10/20/25             | <ul style="list-style-type: none"> <li>• XYZ-conductivity</li> <li>• Conformable, quick bonding</li> <li>• Black copper foil backing</li> </ul>  |  |
| 14     | IC chips absorber | IC chips noise absorption    | EM25TP                                 | Absorber                                | Black  | 25/35/50/150/200/250 | <ul style="list-style-type: none"> <li>• Targeted permeability for &lt; 5-10MHz FFDM performance</li> <li>• Excellent absorbing performance from 100MHz to 4 GHz</li> <li>• Black PET top film layer and PSA are optional</li> </ul> |  |

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Chart continued on next page

|        | Number | Application                 | Use ideas  | Featured Product Number | Product Type                 | Color        | Thickness (µm)      | Features   |
|--------|--------|-----------------------------|--|-------------------------|------------------------------|--------------|---------------------|--|
| Tablet | 15     | Back cover bonding          | Ink-coated glass to metal or glass fiber reinforced plastic to metal | VHB™ 590x               | Acrylic Foam Tape            | Black        | 150/200/250/300/350 | <ul style="list-style-type: none"> <li>• High bonding strength and durability</li> <li>• Conformable</li> <li>• Seal against water ingress</li> </ul>                          |
|        |        |                             |  | VHB™ 5981               | Acrylic Foam PET Tape        | Black        | 200/250/300/350/400 | <ul style="list-style-type: none"> <li>• Good reworkability</li> <li>• Impact resistance and conformability</li> <li>• Easily converted</li> </ul>                             |
|        | 16     | Logo bonding                | Ink-coated metal to metal  | 961xxCR                 | Adhesive Transfer Tape       | Clear        | 25/50               | <ul style="list-style-type: none"> <li>• Chemical resistance</li> <li>• Produced in a clean room</li> </ul>  |
|        | 17     | Camera bonding (decoration) | Ink-coated plastic to plastic  | 950xx                   | Adhesive Transfer Tape       | Black        | 50/100              | <ul style="list-style-type: none"> <li>• Impact resistance and damping</li> <li>• High bonding strength</li> <li>• Conformable, removable</li> </ul>                           |
|        |        |                             |  | 9471LE, 9472LE          | Adhesive Transfer Tape       | Clear        | 58, 132             | <ul style="list-style-type: none"> <li>• Bonding to low surface energy substrates</li> <li>• Anti-lifting</li> <li>• Resistance to chemicals, moisture and humidity</li> </ul> |
|        |        |                             |  | 467MP, 468MP            | Adhesive Transfer Tape       | Clear        | 60, 130             | <ul style="list-style-type: none"> <li>• Up to 204°C short-term heat resistance</li> <li>• Solvent resistance</li> <li>• High shear strength</li> </ul>                        |
|        | 18     | Camera frame bonding        | Ink-coated glass to metal  | VHB™ 590xx              | Acrylic Foam Tape            | Black        | 150/200/250/300/350 | <ul style="list-style-type: none"> <li>• High bonding strength and durability</li> <li>• Conformable</li> <li>• Seal against water ingress</li> </ul>                          |
|        |        |                             |  | VHB™ 5980*              | Acrylic Foam Tape            | Black        | 150/200/250/300     | <ul style="list-style-type: none"> <li>• Drop shock and impact resistance</li> <li>• Conformable</li> <li>• Seal against water and moisture</li> </ul>                         |
|        | 19     | Camera bonding (lens)       | Ink-coated glass to metal  | VHB™ 4914               | Acrylic Foam Tape            | White        | 150/200/250         | <ul style="list-style-type: none"> <li>• Waterproofing</li> <li>• High bonding strength and long-term durability</li> </ul>  |
|        |        |                             |  | 950xx                   | Adhesive Transfer Tape       | Black        | 50/100              | <ul style="list-style-type: none"> <li>• Impact resistance and damping</li> <li>• High bonding strength</li> <li>• Conformable, removable</li> </ul>                           |
|        |        |                             |  | VHB™ 5980*              | Acrylic Foam Tape            | Black        | 150/200/250/300     | <ul style="list-style-type: none"> <li>• Drop shock and impact resistance</li> <li>• Conformable</li> <li>• Seal against water and moisture</li> </ul>                         |
|        | 20     | Packaging                   | Paper bonding  | SP7202                  | 1K Screen Printable Adhesive | Clear        | -                   | <ul style="list-style-type: none"> <li>• Screen printable, high shear strength</li> <li>• UV curable in seconds</li> <li>• Solvent free (100% solids)</li> </ul>               |
|        |        |                             |  | 9448A, 9080A            | Double Coated Tissue Tape    | White, Clear | 150                 | <ul style="list-style-type: none"> <li>• High initial adhesion</li> <li>• Up to 150°C short-term heat resistance</li> <li>• Easily converted</li> </ul>                        |

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