

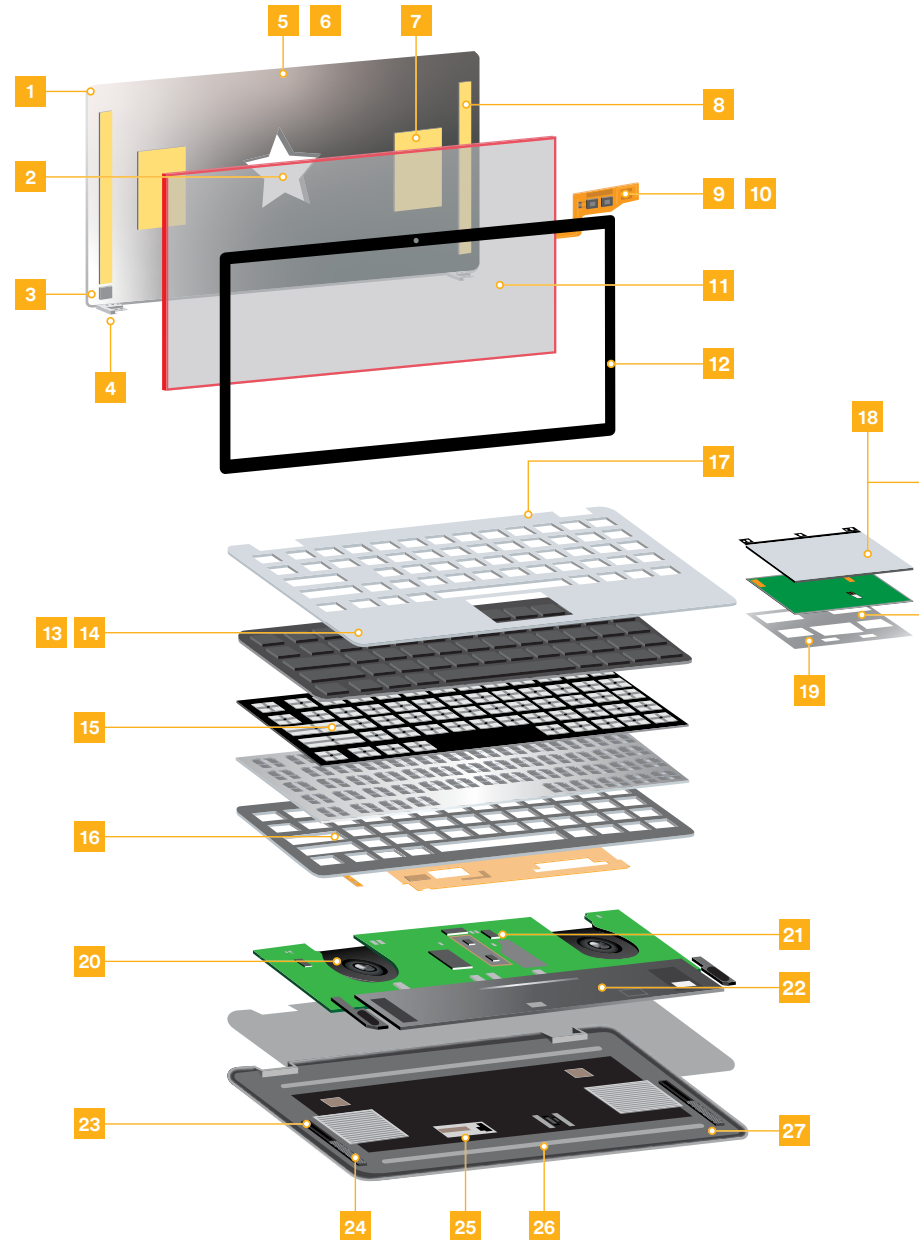
Carry your laptop everywhere.

Today, notebooks and PCs are the focus of work, school and play as well as a hub for mobile video communications. Next-gen notebooks will be as convenient as today's smartphones, with lightweight ultra-portability, larger and high-resolution displays, thinner profiles, greater processing power, and of course, longer battery life. 3M has many proven tape, liquid adhesive solutions and EMI materials to meet the unique challenges of notebook/PC device designs.

- Badging and logos on device cases are essential signals of a brand's quality, aesthetic, and identity. **Help protect your brand's logos and reputation** with 3M tapes and liquid adhesives for high contact, high temperature shear and curved device surfaces.
- As notebook computers get lighter and lighter and working is no longer limited to an office space, they are carried everywhere and could be dropped. Help protect your notebook devices **with great impact resistance and bonding solutions** from 3M.
- Help **decrease the risk of delamination or broken screens**, so notebooks are ready whenever they are needed.
- An essential part of notebooks, the track pad is a high touch area. It can collect dirt, dust and human oils, which can hamper performance. 3M provides bonding solutions that help resist these contaminants and the cleaners used to remove them, as well as **providing resistance to chemicals, water and other liquids, to help maintain reliable and consistent performance.**
- 3M conductive adhesives can provide **EMI shielding and grounding solutions for displays, main boards, keyboards, trackpads, cooling fans and chassis.** 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.

Notebook Applications

No.	Application Idea	No.	Application Idea	No.	Application Idea
1	Cover bonding	10	Panel shielding	19	Trackpad grounding
2	Logo bonding on A cover	11	Lens bonding	20	Cooling Fan grounding
3	Magnet bonding	12	Bezel Bonding	21	Insulating mylar bonding
4	Hinge bonding	13	Cable shielding	22	Battery bonding
5	Camera module grounding	14	Keyboard dissimilar material bonding	23	Foam bonding
6	Camera module bonding	15	Keyboard frame bonding	24	Mesh bonding
7	Cushion bonding	16	Keyboard membrane bonding	25	Chassis grounding
8	Display bonding	17	Keyboard grounding	26	Rubber foot bonding
9	Display grounding	18	Trackpad bonding	27	Chassis bonding



	Number	Application	Use ideas	Featured Product Number	Product Type	Color	Thickness (µm)	Features
Notebook	1	Cover bonding	Al-Mg alloy to carbon fiber and PC/ABS	DP8805LH	2K Acrylic Adhesive	Green	-	<ul style="list-style-type: none"> ● High shear and impact strength ● 4-minute work life, 9 min to structural strength ● Contains 0.1 mm spacer beads
				DP460EG	2K Epoxy Adhesive	Off-white	-	<ul style="list-style-type: none"> ● Strong and durable bonding to many surfaces ● Low outgassing ● 110-minute work life
	2	Logo bonding on A cover	Electroplated PET to Al-Mg alloy	GTM7xxP/BP	Double Coated PET Tape	Clear, Black	50/80/100/150/200/250	<ul style="list-style-type: none"> ● Bonding to low surface energy substrates ● High peel strength ● Anti-repulsion, easily converted
	3	Magnet bonding	Magnet to Al-Mg alloy	DP8805LH	2K Acrylic Adhesive	Green	-	<ul style="list-style-type: none"> ● High shear and impact strength ● 4-minute work life, 9 min to structural strength ● Contains 0.1 mm spacer beads
	4	Hinge bonding	Metal to metal	DP8805LH	2K Acrylic Adhesive	Green	-	<ul style="list-style-type: none"> ● High shear and impact strength ● 4-minute work life, 9 min to structural strength ● Contains 0.1 mm spacer beads"
	5	Camera module grounding	Camera module 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"> ● XYZ-conductivity ● Excellent conformability, quick bonding ● Nickel/copper-coated conductive fabric and conductive PSA
				9701	Double Sided Non-woven Conductive Tape	Grey	50/100	<ul style="list-style-type: none"> ● XYZ-conductivity ● Good electrical contact to small area ● Nickel/copper-coated conductive non-woven fabric carrier
	6	Camera module bonding	Camera and Panel FPC bonding on Al-Mg/FPC and Al film/FPC	9448A, 9080A	Double Coated Tissue Tape	White, Clear	150	<ul style="list-style-type: none"> ● High initial adhesion ● Up to 150°C short-term heat resistance ● Easily converted
7	Cushion bonding	Cushion and sponge bonding on metal or plastic surface	9448A, 9080A	Double Coated Tissue Tape	White, Clear	150	<ul style="list-style-type: none"> ● High initial adhesion ● Up to 150°C short-term heat resistance ● Easily converted 	
8	Display bonding	Panel bonding on A cover-Al-Mg alloy and aluminum	2665B	1K PU Adhesive	Black	-	<ul style="list-style-type: none"> ● PSA-like tack ● Immediate handling strength ● Low temperature reworkability 	

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	Number	Application	Use ideas	Featured Product Number	Product Type	Color	Thickness (µm)	Features
Notebook	9	Display grounding	Display FPC/ PCB grounding to display back board by conductive gaskets	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"> • XYZ-conductivity • Excellent conformability, quick bonding • Nickel/copper-coated conductive fabric and conductive PSA
				9701	Double Sided Non-woven Conductive Tape	Grey	50/100	<ul style="list-style-type: none"> • XYZ-conductivity • Good electrical contact to small area • Nickel/copper-coated conductive non-woven fabric carrier
				3304BC-S	Single Sided Conductive Black Foil Tape	Black	45	<ul style="list-style-type: none"> • XYZ-conductivity, conformable • Excellent EMI/ESD and electrical performance over time • Scratch resistant black copper foil carrier
				CEF-3BV	Single Sided Conductive Fabric Tape	Black	72	<ul style="list-style-type: none"> • XYZ-conductivity • Excellent conformability, quick bonding • Cu/Ni coated conductive polyester fabric backing
	10	Panel shielding	Display wrapping for shielding and grounding by bezel tapes (display wrapping tapes)	3304BC-S	Single Sided Conductive Black Foil Tape	Black	45	<ul style="list-style-type: none"> • XYZ-conductivity, conformable • Excellent EMI/ESD and electrical performance over time • Scratch resistant black copper foil carrier
				1050TC	Single Sided Copper Foil Tape	Copper	15/18/20/25	<ul style="list-style-type: none"> • XYZ-conductivity • Conformable, quick bonding • Copper foil backing
				CEF-3BV	Single Sided Conductive Fabric Tape	Black	72	<ul style="list-style-type: none"> • XYZ-conductivity • Excellent conformability, quick bonding • Cu/Ni coated conductive polyester fabric backing
	11	Lens bonding	Frame to LCD module	VHB™ 590xx	Acrylic Foam Tape	Black	150/200/250/300/350	<ul style="list-style-type: none"> • High bonding strength and durability • Conformable • Seal against water ingress
				2665B	1K PU Adhesive	Black	-	<ul style="list-style-type: none"> • PSA-like tack • Immediate handling strength • Low temperature reworkability

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	Number	Application	Use ideas	Featured Product Number	Product Type	Color	Thickness (µm)	Features
Notebook	12	Bezel Bonding	Display to bezel	VHB™ 4914	Acrylic Foam Tape	White	150/200/250	<ul style="list-style-type: none"> Waterproofing High bonding strength and long-term durability
				VHB™ 5981	Acrylic Foam PET Tape	Black	200/250/300/350/400	<ul style="list-style-type: none"> Good reworkability Impact resistance and conformability Easily converted
				934xx	Conformable Double Coated Tape	Black	200/250/300	<ul style="list-style-type: none"> Bonding to low surface energy substrates Anti-lifting at room and elevated temperature Great chemical resistance
				467MP, 468MP	Adhesive Transfer Tape	Clear	60, 130	<ul style="list-style-type: none"> Up to 204°C short-term heat resistance Solvent resistance High shear strength
	13	Cable shielding	Cable wire shielding for noise reduction	CEF-3BV	Single Sided Conductive Fabric Tape	Black	72	<ul style="list-style-type: none"> XYZ-conductivity Excellent conformability, quick bonding Cu/Ni coated conductive polyester fabric backing
	14	Keyboard dissimilar material bonding	Al-Mg alloy to Carbon fiber and PC/ABS	DP8805LH	2K Acrylic Adhesive	Green	-	<ul style="list-style-type: none"> High shear and impact strength 4-minute work life, 9 min to structural strength Contains 0.1 mm spacer beads
	15	Keyboard frame bonding	4 layers film/ metal bonding on keyboard-Mylar to mylar and mylar to metal	SP7533	1K Screen Printable Adhesive	Clear	-	<ul style="list-style-type: none"> Screen printable Water-dispersed High heat resistance
	16	Keyboard membrane bonding	Keyboard mylar (bond black film to metal sheet)	467MP, 468MP	Adhesive Transfer Tape	Clear	60, 130	<ul style="list-style-type: none"> Up to 204°C short-term heat resistance Solvent resistance High shear strength
				9471LE, 9472LE	Adhesive Transfer Tape	Clear	58, 132	<ul style="list-style-type: none"> Bonding to low surface energy substrates Anti-lifting Resistance to chemicals, moisture and humidity
				F9460PC, F9469PC, F9473PC	Adhesive Transfer Tape	Clear	60, 130, 250	<ul style="list-style-type: none"> Up to 204°C short-term heat resistance Up to 149°C operating temperature resistance Solvent resistance
17	Keyboard grounding	Keyboard frame 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"> XYZ-conductivity Excellent conformability, quick bonding Nickel/copper-coated conductive fabric and conductive PSA 	

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	Number	Application	Use ideas	Featured Product Number	Product Type	Color	Thickness (µm)	Features
Notebook	18	Trackpad bonding	Trackpad bottom layer assembling-PCB board to metal frame	467MP, 468MP	Adhesive Transfer Tape	Clear	60, 130	<ul style="list-style-type: none"> Up to 204°C short-term heat resistance Solvent resistance High shear strength
				9448A, 9080A	Double Coated Tissue Tape	White, Clear	150	<ul style="list-style-type: none"> High initial adhesion Up to 150°C short-term heat resistance Easily converted
			Glass to PCB-Seesaw structure (click feeling)	GTM7xxP/BP	Double Coated PET Tape	Clear, Black	50/80/100/150/200/250	<ul style="list-style-type: none"> Bonding to low surface energy substrates High peel strength Anti-repulsion, easily converted
			Cushion foam for trackpad assembly	467MP, 468MP	Adhesive Transfer Tape	Clear	60, 130	<ul style="list-style-type: none"> Up to 204°C short-term heat resistance Solvent resistance High shear strength
	19	Trackpad grounding	Trackpad IC board grounding to metal frame	1050TC	Single Sided Copper Foil Tape	Copper	15/18/20/25	<ul style="list-style-type: none"> XYZ-conductivity Conformable, quick bonding Copper foil backing
				1020BC	Single Sided Conductive Black Foil Tape	Black	10/20/25	<ul style="list-style-type: none"> XYZ-conductivity Conformable, quick bonding Black copper foil backing
	20	Cooling Fan grounding	Cooling system grounding by conductive gaskets	9711S	Double Sided Conductive Fabric Tape	Grey	30/50/80/100/120/130/150/170/180/200/210/220/250/300	<ul style="list-style-type: none"> XYZ-conductivity Excellent conformability, quick bonding Nickel/copper-coated conductive fabric and conductive PSA
				9701	Double Sided Non-woven Conductive Tape	Grey	50/100	<ul style="list-style-type: none"> XYZ-conductivity Good electrical contact to small area Nickel/copper-coated conductive non-woven fabric carrier
				3304BC-S	Single Sided Conductive Black Foil Tape	Black	45	<ul style="list-style-type: none"> XYZ-conductivity, conformable Excellent EMI/ESD and electrical performance over time Scratch resistant black copper foil carrier
				CEF-3BV	Single Sided Conductive Fabric Tape	Black	72	<ul style="list-style-type: none"> XYZ-conductivity Excellent conformability, quick bonding Cu/Ni coated conductive polyester fabric backing
	21	Insulating mylar bonding	Mylar to PCB board	SP7533	1K Screen Printable Adhesive	Clear	-	<ul style="list-style-type: none"> Screen printable Water-dispersed High heat resistance

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	Number	Application	Use ideas	Featured Product Number	Product Type	Color	Thickness (µm)	Features
Notebook	22	Battery bonding	Mylar to ABS case, Battery insulation film	SP7533	1K Screen Printable Adhesive	Clear	-	<ul style="list-style-type: none"> ● Screen printable ● Water-dispersed ● High heat resistance
				467MP, 468MP	Adhesive Transfer Tape	Clear	60, 130	<ul style="list-style-type: none"> ● Up to 204°C short-term heat resistance ● Solvent resistance ● High shear strength
	23	Foam bonding	Foam bonding on metal or plastic surface	467MP, 468MP	Adhesive Transfer Tape	Clear	60, 130	<ul style="list-style-type: none"> ● Up to 204°C short-term heat resistance ● Solvent resistance ● High shear strength
				9448A, 9080A	Double Coated Tissue Tape	White, Clear	150	<ul style="list-style-type: none"> ● High initial adhesion ● Up to 150°C short-term heat resistance ● Easily converted
				9471LE, 9472LE	Adhesive Transfer Tape	Clear	58, 132	<ul style="list-style-type: none"> ● Bonding to low surface energy substrates ● Anti-lifting ● Resistance to chemicals, moisture and humidity
	24	Mesh bonding	Anti-dust prevention mesh bonding	9448A, 9080A	Double Coated Tissue Tape	White, Clear	150	<ul style="list-style-type: none"> ● High initial adhesion ● Up to 150°C short-term heat resistance ● Easily converted
			Mesh to D cover	GTM7xxP/BP	Double Coated PET Tape	Clear, Black	50/80/100/150/200/250	<ul style="list-style-type: none"> ● Bonding to low surface energy substrates ● High peel strength ● Anti-repulsion, easily converted
			Speaker mesh (bond between fabric and mesh)	9448A, 9080A	Double Coated Tissue Tape	White, Clear	150	<ul style="list-style-type: none"> ● High initial adhesion ● Up to 150°C short-term heat resistance ● Easily converted
	25	Chassis grounding	Main board components grounding to Al-Mg alloy	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"> ● XYZ-conductivity ● Excellent conformability, quick bonding ● Nickel/copper-coated conductive fabric and conductive PSA
	26	Rubber foot bonding	PC+ABS to Al-Mg alloy	DP8805LH	2K Acrylic Adhesive	Green	-	<ul style="list-style-type: none"> ● High shear and impact strength ● 4-minute work life, 9 min to structural strength ● Contains 0.1 mm spacer beads
Rubber strip to plastic case			9448A, 9080A	Double Coated Tissue Tape	White, Clear	150	<ul style="list-style-type: none"> ● High initial adhesion ● Up to 150°C short-term heat resistance ● Easily converted 	
27	Chassis bonding	Metal and plastic parts bonding	DP8805LH	2K Acrylic Adhesive	Green	-	<ul style="list-style-type: none"> ● High shear and impact strength ● 4-minute work life, 9 min to structural strength ● Contains 0.1 mm spacer beads 	

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