

Make extended reality everyday reality.



True immersion takes true bonding

Extended reality devices make the impossible possible. With the press of a button, virtual reality/mixed reality headsets let us walk with dinosaurs or watch stars explode on the edge of the galaxy. Immersion is key – and nothing breaks that immersion like an interrupted connection or uncomfortable fit.

Extended reality device bonding applications

Helping you deliver visual appeal and wearability. Our portfolio offering of trusted, easy-to-use ultra-thin tapes and liquid adhesives help you achieve your design goals across XR applications.

- Integrate impact resistance, chemical resistance and more – even with curved and hard-to-bond surfaces

- Maximize design flexibility with liquid adhesive and tape options

Extended reality device EMI applications

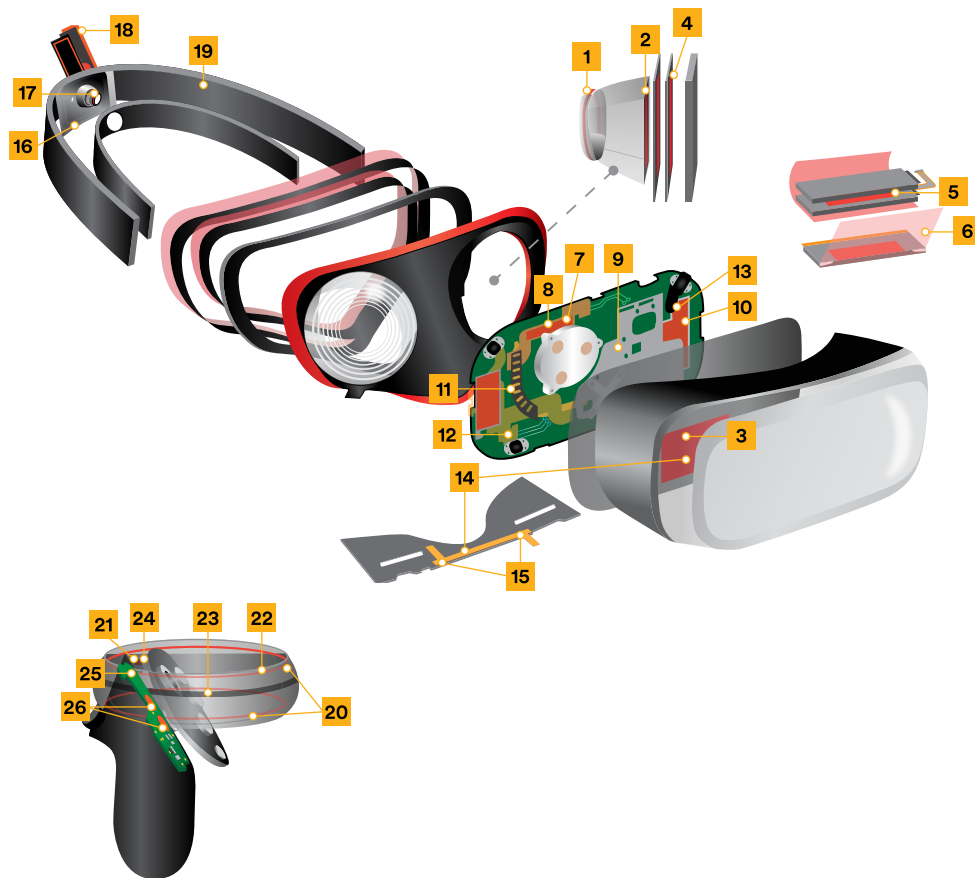
Boost signal integrity in thin device designs. Our conductive tapes can help you control EMI and help you keep your components performing at their full potential – even in tight spaces.

- Grounding and shielding for different applications

- Thin solutions with XYZ conductivity

Extended Reality Device

Featured Products



VR device bonding applications

- | | |
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| 13 FPC antenna and plastic bracket bonding | 26 Rubber pad attachment |

		Number	Application	Product Number	Product Type	Color	Thickness (µm)	Features
VR Headset	Display system	1	Lens bonding	3M™ VHB™ 590x	Acrylic Foam Tape	Black	150, 200, 250, 300, 350	High bonding strength and durability Conformable Seal against water ingress
				3M™ VHB™ 5981	Acrylic Foam PET Tape	Black	200, 250, 300, 350, 400	Good reworkability Impact resistance and conformability Easily converted
				930xxLE	Double Coated PET Tape	Clear	50, 100, 150, 200	Bonding to low-surface-energy substrates Adhesion to oily surface Dimensional stability, ease of die cutting Good resistance to industrial and consumer chemicals
				DP420LH	2K Epoxy Adhesive	Off-white, Black		High peel and shear strength 20-minute work life Outstanding environmental performance
		2	Display bonding	3M™ VHB™ 5981	Acrylic Foam PET Tape	Black	200, 250, 300, 350, 400	Good reworkability Impact resistance and conformability Easily converted
		3	Display FPC shielding	9778S	Single Sided Conductive Foil Tape	Copper	30, 45, 100	Good adhesion and Z-axis conductivity Good handling and workability Excellent EMI/EMC shielding performance
				1080TC	Single Sided Copper Foil Tape	Copper	20	XYZ-conductivity Conformable, quick bonding Copper foil backing
		4	Foam and plastic shell bonding	GTM710BP	Double Coated PET Tape	Clear, Black	50, 80, 100, 150, 200, 250	Bonding to low-surface-energy substrates High peel strength Anti-repulsion, easily converted
				9448A	Double Coated Tissue Tape	White	150	High initial adhesion Up to 150°C short-term heat resistance Easily converted
	Battery bonding	5	Battery bonding	GTM7xxP/BP	Double Coated PET Tape	Clear, Black	50, 80, 100, 150, 200, 250	Bonding to low-surface-energy substrates High peel strength Anti-repulsion, easily converted
		6	Battery wrap attachment	467MP, 468MP	Adhesive Transfer Tape	Clear	60, 130	Up to 204°C short-term heat resistance Solvent resistance High shear strength
		7	FPC to metal and FPC to plastic bonding	467MP, 468MP	Adhesive Transfer Tape	Clear	60, 130	Up to 204°C short-term heat resistance Solvent resistance High shear strength

		Number	Application	Product Number	Product Type	Color	Thickness (µm)	Features
VR Headset	Main Logic Board (MLB) grounding and shielding	8	PCB grounding to cover	1022TF	Single Sided Conductive Fabric Tape	Grey	30	Excellent EMI/EMC shielding Conformability and quick bonding
		9	SoC/Chipset shielding CAN fence	MSG7000S	Conductive Gasket	Grey	300, 650, 1000, 1500, 2000, 2500	High compression for wide-range gap filling Excellent contact resistance and reliable adhesion Low resistance even at a slight compression rate
		10	FPC stiffener grounding	9711S	Double Sided Conductive Fabric Tape	Grey	30, 50, 80, 100, 120, 130, 150, 170, 200, 210, 220, 250, 300	XYZ-conductivity Excellent conformability, quick bonding Nickel/copper-coated conductive fabric and conductive PSA
				5113DFT	Double Sided Conductive Fabric Tape	Metallic	50	XYZ-axis conductivity through adhesive Excellent electrical contact to small-size areas Resists moisture to maintain the tapes integrity enabling a four-year shelf life
				MSG7000S	Conductive Gasket	Grey	300, 650, 1000, 1500, 2000, 2500	High compression for wide-range gap filling Excellent contact resistance and reliable adhesion Low resistance even at a slight compression rate
		11	Cable wrap for shielding and grounding	1022TF	Single Sided Conductive Fabric Tape	Grey	30	Excellent EMI/EMC shielding Conformability and quick bonding
	Camera module	12	Camera and PCB shielding	9778S	Single Sided Conductive Foil Tape	Copper	30, 45, 100	Good adhesion and Z-axis conductivity Good handling and workability Excellent EMI/EMC shielding performance
				1080TC	Single Sided Copper Foil Tape	Copper	20	XYZ-conductivity Conformable, quick bonding Copper foil backing

Chart continued on next page

		Number	Application	Product Number	Product Type	Color	Thickness (μm)	Features
VR Headset	Motherboard bonding	13	FPC antenna and plastic bracket bonding	9471LE, 9472LE	Adhesive Transfer Tape	Clear	58, 132	Bonding to low-surface-energy substrates Anti-lifting Resistance to chemicals, moisture and humidity
	Plastic front cover	14	FPC to plastic bonding	9471LE, 9472LE	Adhesive Transfer Tape	Clear	58, 132	Bonding to low-surface-energy substrates Anti-lifting Resistance to chemicals, moisture and humidity
	Auxiliary chip board		FPC to plastic bonding	3M™ VHB™ 590x	Acrylic Foam Tape	Black	150, 200, 250, 300, 350	High bonding strength and durability Conformable Seal against water ingress
			15	Microphone mesh bonding	3M™ VHB™ 590x	Acrylic Foam Tape	Black	150, 200, 250, 300, 350
	Speaker module bonding	16	Magnet bonding	DP8805LH	2K Acrylic Adhesive	Green	-	High shear and impact strength Four-minute work life, nine minutes to structural strength Contains 0.1 mm spacer beads
		17	Speaker assembly bonding	DP420LH	2K Epoxy Adhesive	Off-white, Black	-	High peel and shear strength 20-minute work life Outstanding environmental performance
	Headband fabric strap	18	Mushroom buckle bonding	467MP 468MP	Adhesive Transfer Tape	Clear	60, 130	Up to 204°C short-term heat resistance Solvent resistance High shear strength
		19	Fabric with plastic parts bonding	9774WL 9775WL	Adhesive Transfer Tape	Clear	100, 130	High tack Good resistance to humidity, solvent, chemical and UV

		Number	Application	Product Number	Product Type	Color	Thickness (μm)	Features
VR Controller	Handheld controller assembly	20	Controller assembly	3M VHB™ 590x	Acrylic Foam Tape	Black	150, 200, 250, 300, 350	High bonding strength and durability Conformable Seal against water ingress
				3M VHB™ 4914-015	Acrylic Foam Tape	White	150	Waterproofing High bond strength and long-term durability
		21	Controller back cover bonding	3M VHB™ 590x	Acrylic Foam Tape	Black	150, 200, 250, 300, 350	High bonding strength and durability Conformable Seal against water ingress
		22	Controller sensor attachment	552xxP/BP	Double Coated PET Tape	Clear, Black	50, 75, 100, 120	High initial adhesion Good shear holding power Easily converted
		23	FPC bonding	9077	Double Coated Tissue Tape	Clear	50	260°C short-term heat resistance Releasable after lead-free solder reflow High adhesion and holding power
	Handheld controller PCB bonding	24	Foam attachment	552xxP/BP	Double Coated PET Tape	Clear, Black	50, 75, 100, 120	High initial adhesion Good shear holding power Easily converted
		25	Metal attachment	552xxP/BP	Double Coated PET Tape	Clear, Black	50, 75, 100, 120	High initial adhesion Good shear holding power Easily converted
		26	Rubber pad attachment	9119	Double Coated PET Tape	Clear	50, 85, 100, 140	Bonding to silicone substrates Good shear holding power Easily converted
				9731	Double Coated PET Tape	Clear	50, 100, 140	Bonding to silicone substrates High temperature and chemical resistance

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