



Electronics solutions

Tablets

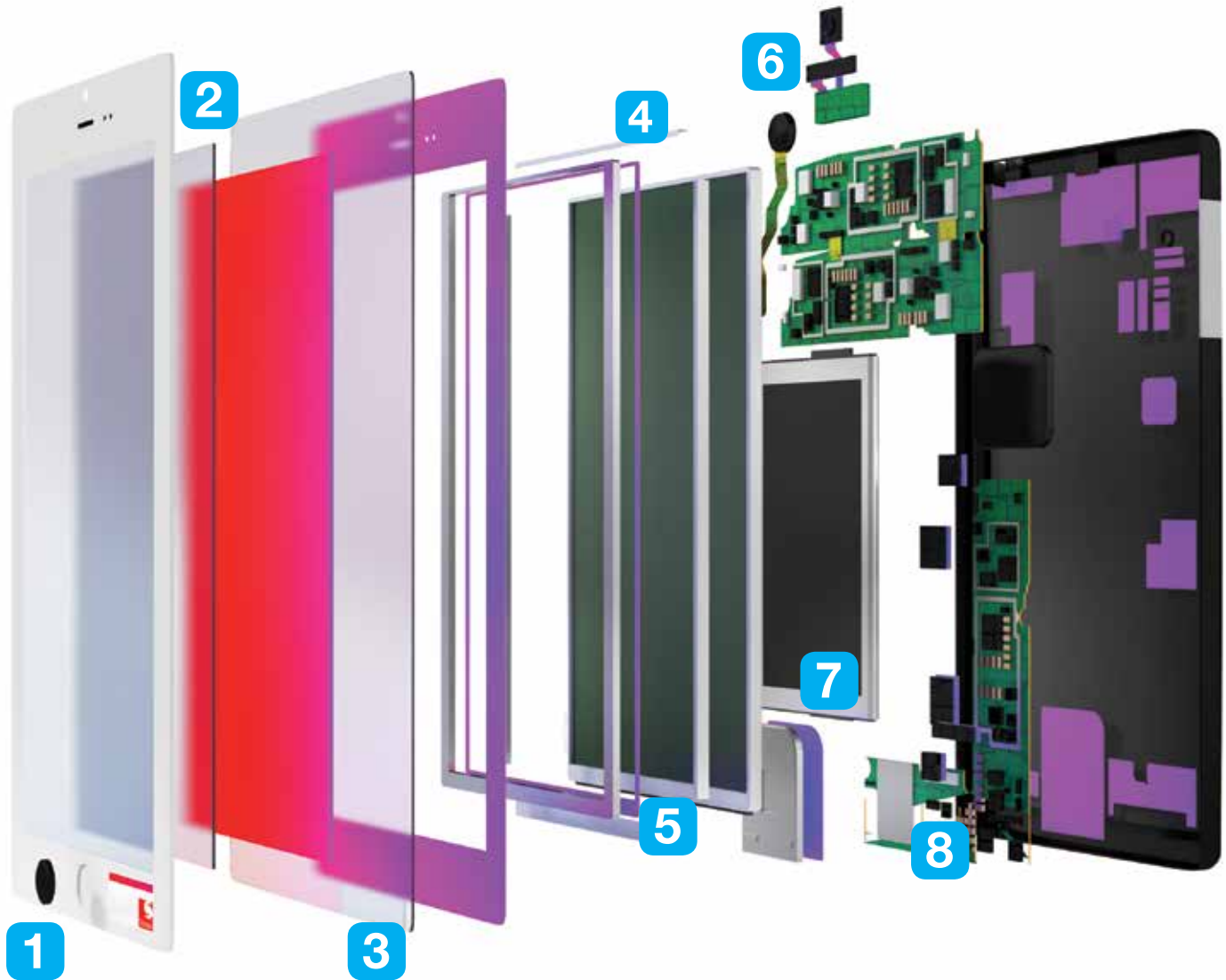




# Scapa tablet solutions

Scapa has strong partnerships across the world with top tier electronics OEM's and component suppliers, providing a broad portfolio of technical adhesive systems used in the manufacture and assembly of consumer electronics, telecommunication devices and medical diagnostic/monitoring equipment. With manufacturing sites in Asia, Europe and North America, our worldwide service, supply chain and R&D teams make Scapa a leader in partnering with global electronics customers.

Electronic tablet manufacturing requires specialised adhesive systems to address the constantly changing consumer demands for enhanced Tablet design, construction, functionality and performance. Scapa offers a wide variety of adhesives, technical tape products and modules custom designed for tablets with an aim to work with our partners and provide the right solutions to achieve design and manufacturing goals. Scapa's products can elevate the portability and slim design of state of the art tablets and can be manufactured and delivered in a style that meets the design requirements of manufacturers and consumers.



## Product applications

- 1** Component fixing
- 2** Adhesives for touchscreen & display
- 3** Optically clear adhesives
- 4** Display shock absorption & gasket bonding
- 5** Light blocking products
- 6** Mesh, foil & film bonding
- 7** Thermal management
- 8** EMC / EMI bonding solutions



## 1. Component fixing

From labels, graphics, and decals to component mounting, Scapa offers a variety of solutions to meet bonding needs on many substrates.

- Ideal for shock absorption and gap filling
- Thin transfer adhesives with strong bonding features
- Versatile tapes for bonding onto many substrates
- Differential double coated tapes

Product	Carrier	Adhesive Type	Thickness		Features
			mm	inch	
AS191KB	Acrylic Foam	Acrylic	0.40	0.016	Ideal for use on plastics
NB6151	Tissue	Acrylic	0.13	0.005	Good adhesion
DT8005	PET	Acrylic	0.01	0.0002	Ultra thin
U863	None	Acrylic	0.05	0.002	Transfer adhesive

## 2. Adhesives for touchscreen & display

Scapa offers adhesives and foam tapes perfect for touchpad assemblies. The foam tapes offer light blocking, shock absorption, and cushioning features. Conformable tissue tapes are offered for surfaces that are uneven.

- Space saving and competitive
- High adhesion
- Optimal for a variety of surface types
- Conformable for uneven surfaces

Product	Carrier	Adhesive Type	Thickness		Features
			mm	inch	
A8050-12	PET	Acrylic	0.04	0.002	Good adhesion
A8150B	PET	Acrylic	0.15	0.006	Black in colour for light blocking functions
B5039	Black PE foam	Acrylic	0.30	0.012	Black in colour for light blocking functions
AS09xxB Series	Acrylic foam	Acrylic	0.15 - 0.30	0.006 - 0.012	Black in colour for light blocking functions. Ideal for use on plastics
AS713xx Series	PET	Acrylic	0.15 - 0.25	0.006 - 0.010	Thermal conductive tape typically used for LED array bonding to chassis. 1.2W/m.K, UL94 VTM-0

### 3. Optically clear adhesives

Crystal clear gel adhesive that is used for bonding various transparent materials. The tape continues to perform in extreme environments including high temperature and high humidity conditions. New gel polymer can be die-cut to specific requirements, providing high tack with easy handling to ensure an accurate and smooth application.

- Easy to handle
- Optimal material bonding
- For transparent material bonding
- Ideal for touch screen panels and optical components

Product	Carrier	Adhesive Type	Thickness		Features
			mm	inch	
SOA-U1050MH	None	Acrylic	0.05	0.002	Optically clear adhesive

### 4. Display shock absorption & gasket bonding

Scapa offer adhesives and foam tapes for LCD assemblies. The foam tapes offer light blocking, shock absorption, and cushioning features. These materials can also be used for gaskets.

- A wide range of products for a variety of applications
- AFT for good water resistance and durability
- PE for good shock absorption
- Acrylic foam film tape (AFFT) ideal for die cutting

Product	Carrier	Adhesive Type	Thickness		Features
			mm	inch	
A8050	PET	Acrylic	0.02	0.001	Ultra thin
B5029	PE foam	Acrylic	0.25 - 0.5	0.01 - 0.02	Black in colour for light blocking functions
AS752xx Series	PET	Acrylic	0.50	0.020	Black in colour for light blocking functions
S305	PET	Acrylic & rubber	0.06	0.003	One side removable, one side permanent
AS191KB	Acrylic foam	Acrylic	0.40	0.016	Ideal for use on plastics



## 5. Light blocking products

Multi purpose tapes are available. These fill gaps, block light and provide gasketing.

- Black foam tapes are available for light blocking functions
- Provides good shock absorption
- Soft to denser foams from AFT to polyolefin
- Ultra thin foam tapes

Product	Carrier	Adhesive Type	Thickness		Features
			mm	inch	
B5036	Black PE foam	Acrylic	0.25	0.010	Black in colour for light blocking functions
5669	Black PU foam	Acrylic	0.40 & 0.80	0.016 & 0.031	Black in colour for light blocking functions

## 6. Mesh, foil & film bonding

With a wide range of single and double sided tapes, Scapa products are ideal for bonding layers together. Differential tapes enable reworkability during the assembly process.

- Removable
- Easy handling
- High initial tack for positioning
- Ultra thin

Product	Carrier	Adhesive Type	Thickness		Features
			mm	inch	
S301	UPVC	Acrylic	0.22	0.009	Exceptionally high tack and peel strength
4403	PVC	Acrylic	0.24	0.009	High elongation
1801	Kapton® (polyimide)	Silicone	0.07	0.003	High temperature protection and UL® recognised component in insulating devices and materials according to UL510, file number OANZ. E103655.



## 7. Thermal management

Scapa's thermal conductive tapes are used to dissipate heat. The heat sink range of tapes is ideal when space is limited.

- Good conductivity
- Multi-functional
- Cushioning functionality
- Very versatile

Product	Carrier	Adhesive Type	Thickness		Features
			mm	inch	
AS1CxK Series	Thermal conductive acrylic foam	Acrylic	0.25 - 1.0	0.01 - 0.039	Thermally conductive 1~2W/m.K (depends on thickness)
TRS CU035AF-055	Copper foil	Acrylic	0.06	0.002	Thermal spreader
THS005	Copper foil	Acrylic	0.05	0.002	Thermal spreader
TIG series	Silicone gel	Light natural tack	0.20 - 20	0.008 - 0.787	Thermally conductive



## 8. EMC / EMI bonding solutions

Scapa's range of electrically conductive tapes offer grounding and shielding solutions.

- Differential conductive tapes for reworkability
- Conductive non-woven and woven tapes are available
- Wave absorber materials are also available
- Very low resistivity

Product	Carrier	Adhesive Type	Thickness		Features
			mm	inch	
ETW0-11-N-110	Electrically conductive non-woven	Electrically conductive acrylic	0.11	0.004	Electrically conductive in xyz directions
ETFF-0300	Electrically conductive PU foam	Electrically conductive acrylic	3.00	0.118	Electrically conductive in xyz directions
ETFF-0030	Electrically conductive PU foam	Electrically conductive acrylic	0.30	0.012	Electrically conductive in xyz directions
ECO11-120	Electrically conductive polyolefin foam	Electrically conductive acrylic	0.20	0.008	Electrically conductive in xyz directions
S1078	Copper foil	Electrically conductive acrylic	0.09	0.004	Electrically conductive in xyz directions
S1139	Copper foil	Electrically conductive acrylic	0.10	0.004	Electrically conductive in xyz directions
EAPG00-0500	Various	Acrylic	0.50	0.020	Wave absorber
U891	None	Electrically conductive acrylic	0.05	0.002	Excellent z direction conductivity

## Global Presence

### Scapa America

USA, Windsor, CT  
USA, Knoxville, TN  
USA, Inglewood, CA  
USA, Syracuse, NY  
Canada, Renfrew, ON  
Brazil, São Paulo

### Scapa Europe

United Kingdom, Manchester  
United Kingdom, Dunstable  
France, Valence  
Italy, Ghislarengo  
Switzerland, Rorschach

### Scapa Asia

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