



Electronics solutions

Smartphones

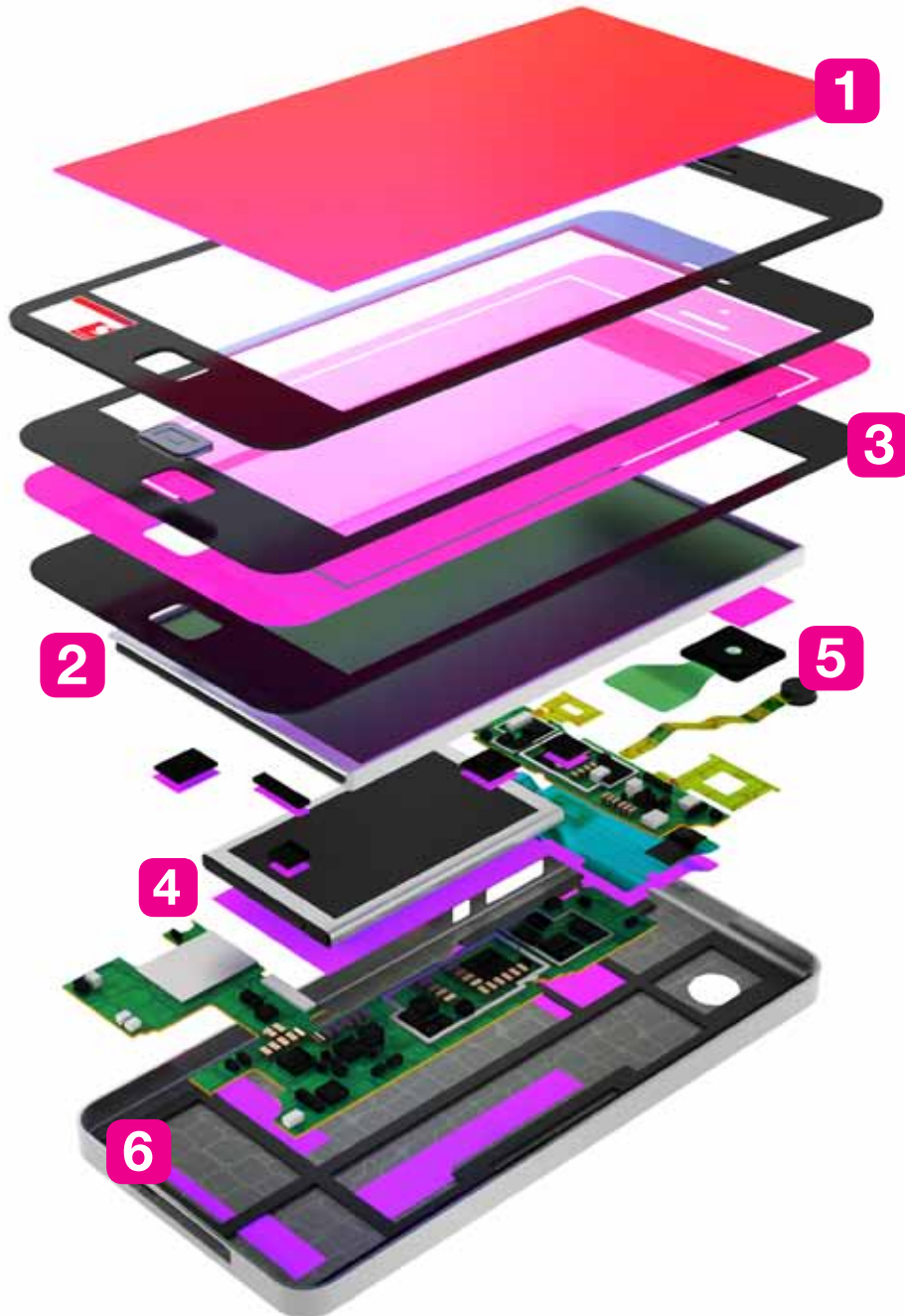




# Scapa smartphone solutions

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.

Smartphone manufacturing requires specialised adhesive systems to address the constantly changing consumer demands for enhanced Smartphone design, construction, functionality and performance. Scapa offers a wide variety of adhesives, technical tape products and modules custom designed for Smartphones 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 Smartphones and can be manufactured and delivered in a style that meets the design requirements of manufacturers and consumers.



## Product applications

- 1** Adhesives for touchscreen & display
- 2** Light blocking products
- 3** Display shock absorption & gasket bonding
- 4** Thermal management
- 5** Component fixing
- 6** EMC/EMI bonding solutions



## 1. 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
SP407T	Thermal conductive acrylic foam tape	Acrylic	0.10	0.004	Aggressive acrylic adhesive
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
AS709xxB	Acrylic foam film tape (AFFT)	Acrylic	0.15 -0.30	0.006 - 0.012	Good on low surface energy (LSE) substrates
AS1Dx0 series	Thermal conductive acrylic foam tape	Acrylic	0.15 - 0.25	0.006 - 0.010	LED array in display; heat sink bonding; Fluorescent lamps in LED systems; back chassis display
DT3000DB	Black polyolefin foam	Acrylic	0.30 & 0.40	0.012 & 0.016	Black in colour for light blocking functions

## 2. 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	
DT3000B	Black polyolefin foam	Acrylic	0.30 & 0.40	0.012 & 0.016	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

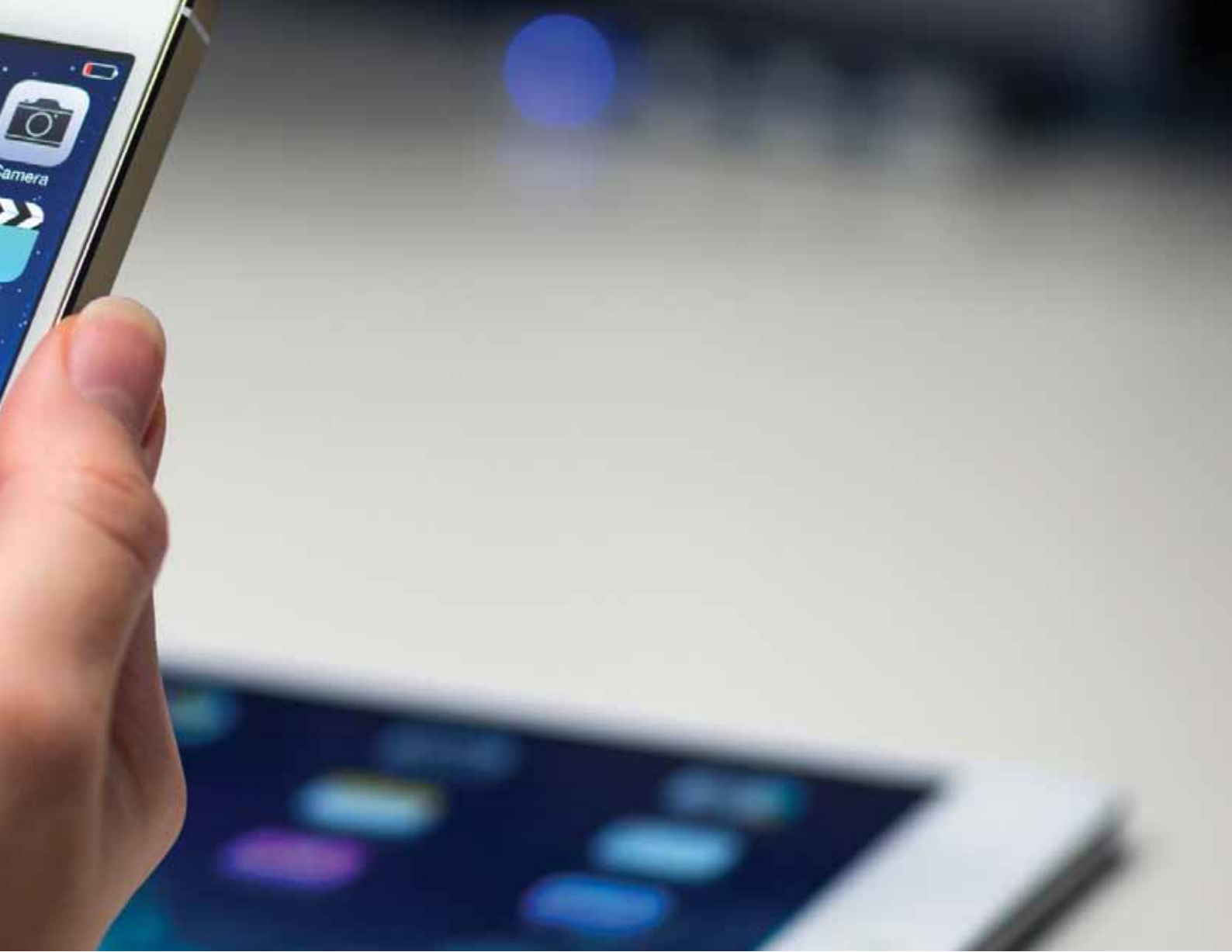


### 3. Display shock absorption & gasket bonding

Scapa offers 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
- Removable Acrylic Foam Film Tape (AFFT) is available

Product	Carrier	Adhesive Type	Thickness		Features
			mm	inch	
A8050	PET	Acrylic	0.02	0.001	Ultra thin
B5029	PE foam	Acrylic	0.20	0.008	Black in colour for light blocking functions
AS75250B	PET	Acrylic foam	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 tape (AFT)	Acrylic	0.40	0.016	Good on low surface energy (LSE) substrates



## 4. 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	Thermal conductive acrylic foam tape	Acrylic	0.4 - 1.0	0.016 - 0.039	Thermally conductive
TRS CU035AF-055	Copper foil	Acrylic	0.06	0.002	High heat spreading ability
THS005	Copper foil	Acrylic	0.05	0.002	High heat spreading ability
TIG series	Silicone gel	Light natural tack	0.20 - 20	0.008 - 0.787	High heat spreading ability



## 5. 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 Tape (AFT)	Acrylic	0.40	0.016	Good on low surface energy (LSE) substrates
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



## 6. 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

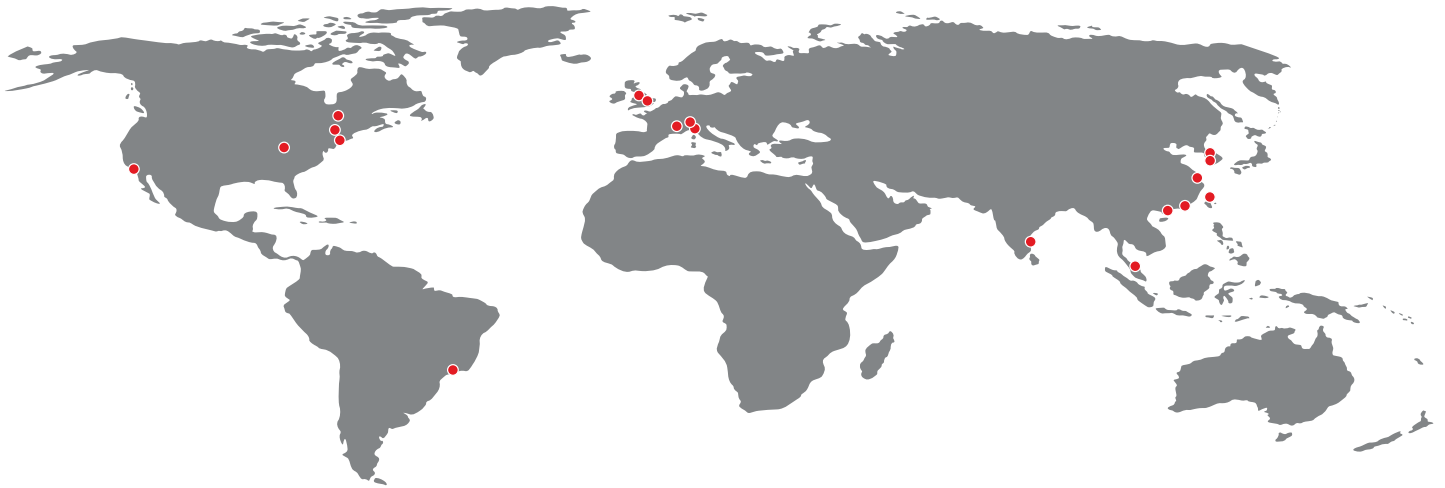
USA, Windsor, CT  
USA, Knoxville, TN  
USA, Inglewood, CA  
USA, Syracuse, NY  
Canada, Renfrew, ON  
Brazil, São Paulo

### Scapa Europe

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

### Scapa Asia

China, Hong Kong  
China, Shanghai  
China, Shenzhen  
India, Chennai  
Korea, Cheongyang-Koon  
Korea, AnYang-City  
Malaysia, Shah Alam  
Taiwan, Taipei



### Scapa North America

Tel: +1 860 688 8000

### Scapa South America

Tel: +55 11 2589 6003

### Scapa Europe

Tel: +44 (0)161 301 7400

### Scapa Asia

Tel: +852 2439 4330

This information is provided by Scapa for information only. The information is considered to be reliable but accuracy is not guaranteed.

Any results shown in this information may not be relevant to all users of the product and it is the user's responsibility to determine the suitability of the product for its intended purpose.

Scapa expressly disclaims all express or implied warranties including merchantability and fitness for a particular purpose to the fullest extent permitted by law and does not accept responsibility or liability (whether direct, indirect or consequential) arising from use of the product or reliance on the information.

Scapa does not exclude liability for death or personal injury arising from its negligence or fraud.

Scapa refers to Scapa Group plc and its subsidiaries.

**scapa.com**  
sales@scapa.com