

Company Profile

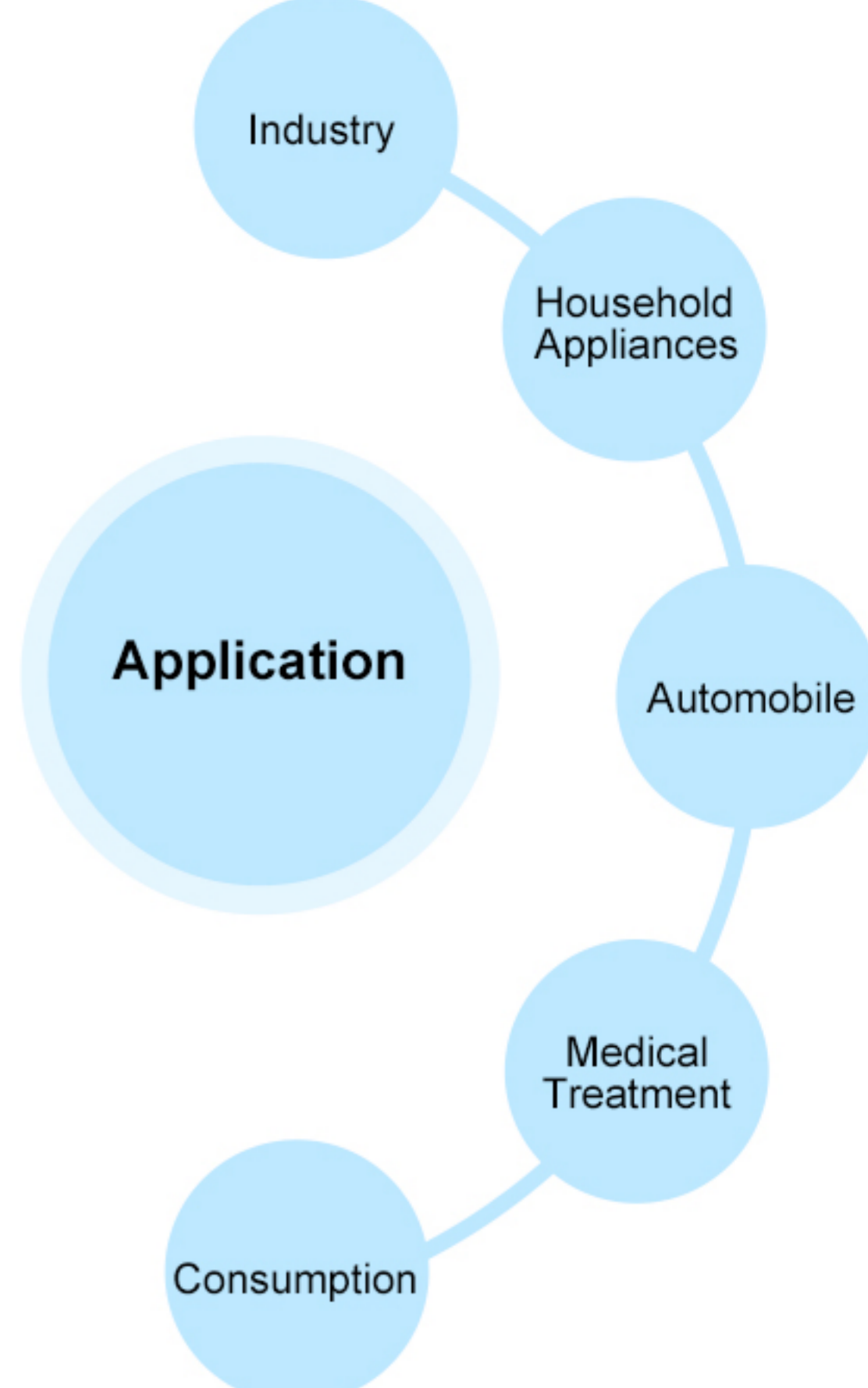
OSWELL E-GROUP, located in Shanghai of China, as a leading supplier of electronic components, has been devoted to develop a full range of smart products for auto controlling system, automotive, switching power supply, communication system, etc. Our goal is to be Professional, Innovative, Honest, and International.

The rich experience design team helps to ensure the best design with reasonable cost. High quality and excellent performance is guaranteed by the high precision welding equipment, auto resistance -adjusting tester, skilled workers and QC. Professional Sales are always ready for any questions and communication with clients and distributors.

LCD/LCM

Specifications

Display Type	TN, HTN, STN
	FSTN, TFT, CTP
Display Mode	Positive, Negative
Viewing Direction	3:00 o'clock
	6:00 o'clock
	9:00 o'clock
	12:00 o'clock
Operating Voltage	2.7V ~ 5.0V
Polarizer Mode	Reflective
	Transflective
	Transmissive
TOP	-20°C ~ +70°C
TST	-40°C ~ +85°C
Connection	Pin
	Pin + COG
	FPC + COG
Background Color	Blue
	Yellow/Green/White
Drive Method	1/4 Duty, 1/3 Bias



Features

- High Durability Reliability Test: Working for 500h at 85°C and 85% relative humidity
- LCD with temperature tonic, low voltage, low power consumption, ultra-low temperature.
- High Reliability, 150000 hours at 20°C, no direct solar radiation.



Character COB LCM

- Usually display a few lines of characters
- Characters are called through the LCD Driver's font library, so the display is restricted.
- Strong anti-interference ability, universality and compatibility.
- Widely used in Industrial Control, Printer, POS Machine, Telephone and other fields.

Suitable For: STN (STN-Grey, STN-Yellow Green, STN-Blue) FSTN

Backlight or Side Backlight
(White, Blue, Green)



Graphic COB LCM

- Usually display graphics, display content is not restricted by the LCD driver font.
- Strong anti-interference ability, universality and compatibility.
- Widely used in Industrial Control, Tanker, Car Navigation and other fields.

Suitable For: STN (STN-Grey, STN-Yellow Green, STN-Blue) FSTN

Backlight or Side Backlight
(White, Blue, Green)



Segments LCM

- Usually display simple patterns, Numbers or a small number of dot matrices.
- Simple structure, easy to use.
- Widely used in Automobile, Electricity Meters, Hand-held Medical, Industrial Control, Instrumentation, Intelligent Home, Home Appliances, Elevators and other fields.

Suitable For: TN, HTN

COG, COB, LCD + FPC



COG LCM

- Due to the built-in LCD driver, the external interface is relatively simple.
- Widely used in Automobile, POS, ETC, U-key, Electricity Meter, Portable Medical Treatment, Industrial Control, Instrument, Intelligent Home, Home Appliances and other fields.

Suitable For: TN, STN, FSTN

Side Backlight (White, Blue, Green)



Capacitive TP

- Support multi-touch, good touch precision.
- Induction type no pressure operation, long service life.
- Suitable for direct input of multimedia display products.
- High reliability design, dustproof and anti-fog
- Widely used in Industrial Touch Screen, Financial Terminal, Outdoor Touch Screen, Smart Home Kitchen Application, Automobile Product Application and Smart Home Appliances.

Main structure

G+G: Glass Cover + ITO Glass Sensor

G+F: Glass Cover + ITO Film Sensor

P+G: Plastic Cover + ITO Glass Sensor

Full Lamination: The touch screen and display module are fully bonded by optical glue. (Thinner structure, dustproof and waterproof)



Factory Environment

