





FEATURED PRODUCTS FROM ARKCO SALES





#### Clarity, Speed, and Wide Viewing Angle

- Can display fast-moving images without blurring or ghosting
- Brilliant color, high contrast, and wideviewing angle, thanks to IPS (in-plane switching) and AACS (all-angle color stability) technologies
- Readable in direct sunlight
  - Large range of sizes from 0.9 to 12.1 inches
- Thin profile from 0.059 inch to 0.5 inch
- Touch panel options PCAP or resistive
- Immediate shipping + long-term availability

# uniTFTs



#### Easy-to-Program Touchscreen HMI

- Intuitive screen design with uniTFT Designer WYSIWYG tool
- All the benefits of TFT/IPS displays (above)
- Control objects precisely in real time
- Custom-print your logo on glass or acrylic
- Excellent replacement for physical switches and controllers, analyzers, and control panels

## FIVE DIFFERENT DEMOPACKS AVAILABLE Start on your application immediately!

Ask your rep about pricing. Options include:

- Air quality measurement
- Voltage measurement & RGB LED
- Interfaces SPI level shifters
- Relay & current measurement
- Wifi & Bluetooth

#### CONTACT FOR QUOTES, SAMPLES, OR APPLICATION ASSISTANCE:

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## Chip-on-Glass LCD

# **DOGs**



#### Common applications for DOG series

Medical devices. Glucose meters, handheld diagnostic tools that require small, reliable, and high-contrast displays

Communication devices. Handheld radios, GPS devices, and mobile phones that benefit from the power- efficient and compact nature of COG technology.

Industrial equipment. Control panels, instrumentation, small-footprint HMIs Consumer electronics. Fitness trackers, smartwatches, calculators

Automotive systems. Instrument clusters, climate control systems, infotainment displays, wherever space is limited and reliability is crucial.

#### Versatile. Durable. Cost-effective.

Better chip-on-glass displays—by a wide margin

- Better reliability in harsh environments.
  - With a wider operating temperature range (typically -20°C to +70°C or more) and enhanced durability, the DOG series is better suited for industrial applications compared to standard COG displays.
- Better energy efficiency. Lower power consumption (from 150µA) extends battery life in portable applications.
- Easier integration. With multiple interface options and plug-and-play support, the DOG series simplifies the design process and reduces time to market.
- Better visual performance. Higher contrast and brightness ensure better readability, even under challenging conditions, which makes them stand out among competitors.
- Touchscreen capable. Need we say more?

#### Benefits of chip-on-glass

Compact design. All COG technology integrates the driver IC directly onto the glass substrate, eliminating the need for additional PCB space. This allows for a thinner, more compact module—ideal for devices with limited space

**Cost-efficiency.** A simpler manufacturing process with fewer components (like flex cables, external wiring, additional PCBs, etc.) means COG displays can be more cost-effective in terms of production and assembly.

**Reliability.** Fewer connections and components mean fewer points of failure, resulting in better long-term reliability. The integration of the driver IC onto the glass minimizes mechanical stress during operation, leading to a more durable display.

**Display quality.** The direct bonding of the driver to the glass improves signal integrity, enhancing contrast and brightness uniformity. COG displays can offer sharper images, lower power consumption, and better performance in terms of refresh rates.

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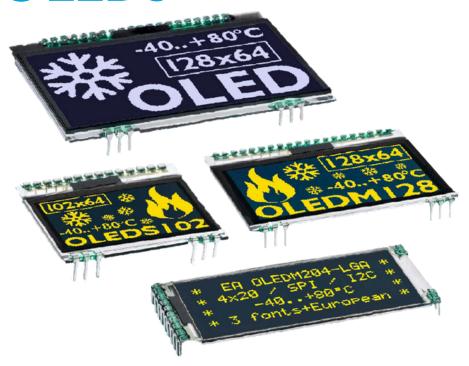


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## Organic Light-Emitting Diodes

# **OLEDs**



# High contrast. Lightweight. Low energy. With mounting pins.

Advantages of OLED

- Deep contrast and brightness. OLED displays have an exceptional contrast ratio, providing deep blacks and vibrant colors.
- Consistent quality. OLEDs maintain image quality across wide viewing angles.
- Fast response rate. Reduced motion blur and lag is beneficial for any equipment that requires real-time data display.
- Low profile. Thinner and lighter compared to traditional LCDs, OLEDs are ideal for portable devices and compact equipment.
- Low power consumption. The OLED's energy-efficiency means longer battery life for portable devices and reduced operational costs overall.
- Robust and reliable. OLEDs are generally more durable and resistant to shock and vibration, and ours can withstand temperature ranges from -40°F to 176°F

All OLED displays come with an integrated controller and support SPI, I<sup>2</sup>C, USB, and RS232.

## Common applications for OLED displays

Automated Guided Vehicles (AGVs)
Calibrators
Control boards
Diagnostic imaging equipment
Digital signage
Electronic service manuals
Employee information displays
Environmental monitoring systems

Handheld testing equipment Industrial automation control panels Inspection equipment IoT devices Maintenance and service tools Manufacturing equipment interfaces Oscilloscopes and multimeters

Patient monitoring systems

Portable diagnostic devices Process & production monitoring Quality control systems Robot interfaces Vision systems Wearable devices

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