

Display-on-Glass (DOG)



Features

- Super-flat: 2.0 to 6.5mm with separate backlight for broad range of combinations
- Graphics from 102x64 to 240x128, Characters from 1x8 to 4x20
- 6 backlight color options, plus full RGB
- SPI interface, low power: 150/250µA
- White LED backlight from 3mA
- No minimums & quick delivery

OLED Display



Features

- Deep black background with excellent contrast (> 2000:1)
- T_{op} range of -40° to +80°C (-40 to +176°F)
- Extreme wide viewing angle of >170°
- Display response time typically 10µs—even at -40°C)
- Great for wearables/handhelds
- Support SPI and I²C bus directly
- 3.3V power supply

Thin-Film Transistor (TFT) LCD Display



Features

- All-Angle Color Stability (AACs) and IPS panel for wide-angle, with full sunlight readability
- Superbright LED backlight: over 800 cd/m²
- Supports ASCII and Unicode fonts
- Serial interfaces: USB, RS232, SPI, I²C
- 8 digital, freely definable I/Os built in, expandable to 136
- Integrated touchscreen



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"TFT, LCD, and OLED Displays: Differences and Design Considerations"