ESP32 + ST7735 Display Project Pinout

This pinout is designed for an ESP32 DevKit board connected to an ST7735 128x160 TFT display using SPI. These pins are safe defaults for most ESP32 projects and leave room for buttons and future expansion.

- Display (ST7735 SPI)
- MOSI → GPIO23
- SCLK → GPIO18
- CS → GPIO5
- DC → GPIO16
- RST → GPIO17
- VCC → 3.3V
- GND → GND
- Buttons (optional navigation)
- UP → GPIO32
- DOWN → GPIO33
- SELECT → GPIO25
- BACK → GPIO26
- (All buttons wired to GND using INPUT_PULLUP)
- Status LED
- LED → GPIO2
- Reserved Pins
- GPIO21 / GPIO22 reserved for I2C expansion
- GPIO27 reserved for future peripherals