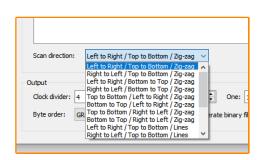
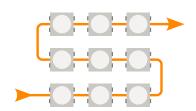
LED connection for scan direction

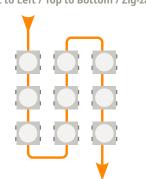




Left to Right / Top to Bottom / Zig-zag

Right to Left / Top to Bottom / Zig-zag

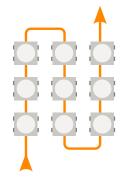


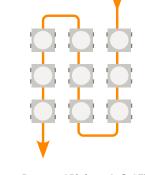


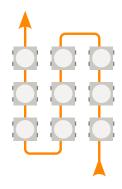
Left to Right / Bottom to Top / Zig-zag

Right to Left / Bottom to Top / Zig-zag

Top to Bottom / Left to Right / Zig-zag



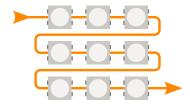




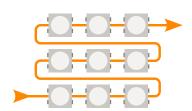
Bottom to Top / Left to Right / Zig-zag

Top to Bottom / Right to Left / Zig-zag

Bottom to Top / Right to Left / Zig-zag



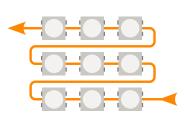


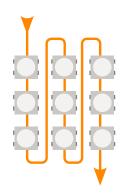


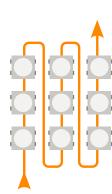
Left to Right / Top to Bottom / Lines

Right to Left / Top to Bottom / Lines

Left to Right / Bottom to Top / Lines



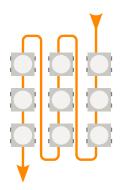




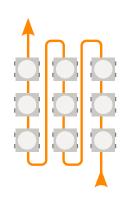
Right to Left / Bottom to Top / Lines

Top to Bottom / Left to Right / Lines

Bottom to Top / Left to Right / Lines

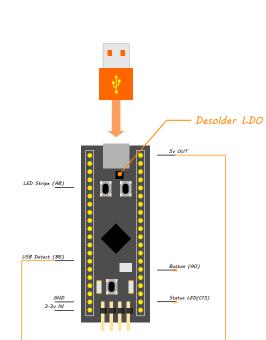






Bottom to Top / Right to Left / Lines

MCU Pinout



- STM32F401CCU6 Black Pill
- For UBS MSC Version solder W25Qxx Flash IC on bottom