

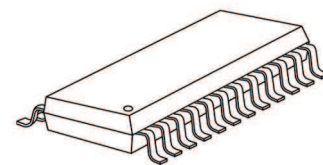


16-Channel Constant Current LED Sink Driver with Silent Error Detection and Current Gain

Features

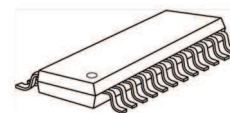
- 16 constant-current output channels
Constant output current range: 3~90mA
 - 8-90mA @ 5V supply voltage
 - 3-70mA @ 3.3V supply voltage
- In-message error detection
 - Both open-circuit and short-circuit LEDs can be detected
 - On-the-fly error detection
 - Data-in, error-out; both errors are merged and coded with zeros
- Compulsory error detection
 - Full panel, data independent
 - Silent error detection with 0.25mA in 700ns
- Settable threshold voltage for LED short-circuit detection
- Thermal detection
 - Over-temperature report (e.g. temp.>150 °C)
- 64-step programmable current gain: from 12.5% to 200%
- Excellent output current accuracy,
 - Between channels: $\pm 1.5\%$ (typ.), and
 - Between ICs: $\pm 3\%$ (typ.)
- Fast response of output current
 - Min. output pulse width of \overline{OE} :
35ns with good uniformity between output channels
- Staggered delay of output, preventing from current surge
- 30MHz clock frequency
- Schmitt trigger input

Small Outline Package



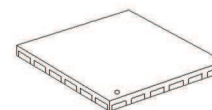
GF: SOP24L-300-1.00

Shrink SOP



GP: SSOP24L-150-0.64

Quad Flat No-Lead



GFN: QFN24L-4*4-0.5