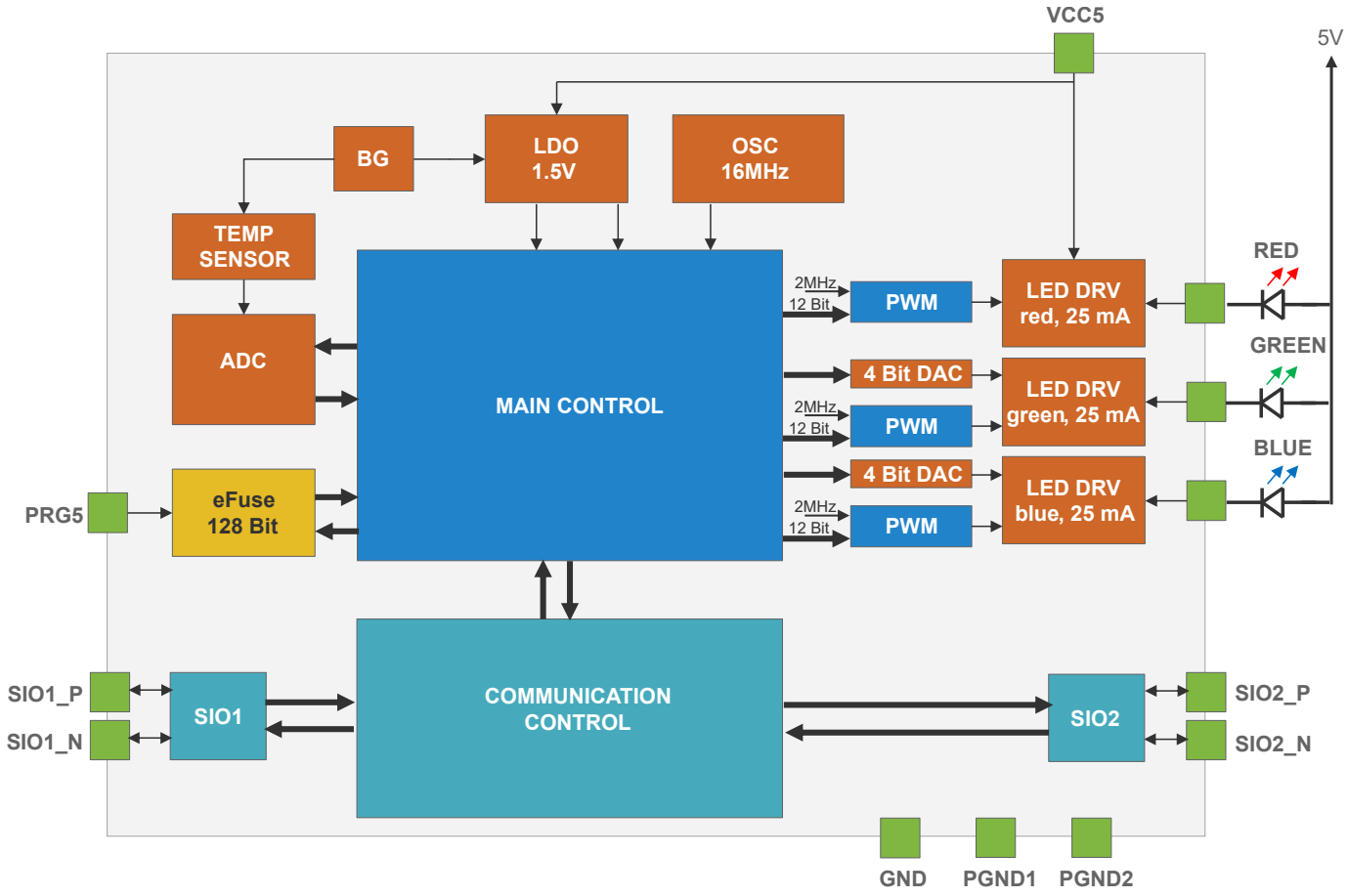
INLC10AQ

Smart RGB LED Driver & Controller

FEATURES

- Maximum of 4079 devices in one LED chain
- 488 Hz, 12 bit PWM, 25 mA per channel
- Temperature compensation for red channel
- 8 bit brightness resolution for red, green and blue LED
- Additional dimming function for accurate low light colours
- Bidirectional, half-duplex, 2 Mbit/s, CRC protected serial communication
- Support for 16 multicast address groups
- Eight times serial line oversampling for communication robustness
- On-die oscillator
- Built-in diagnostic functions



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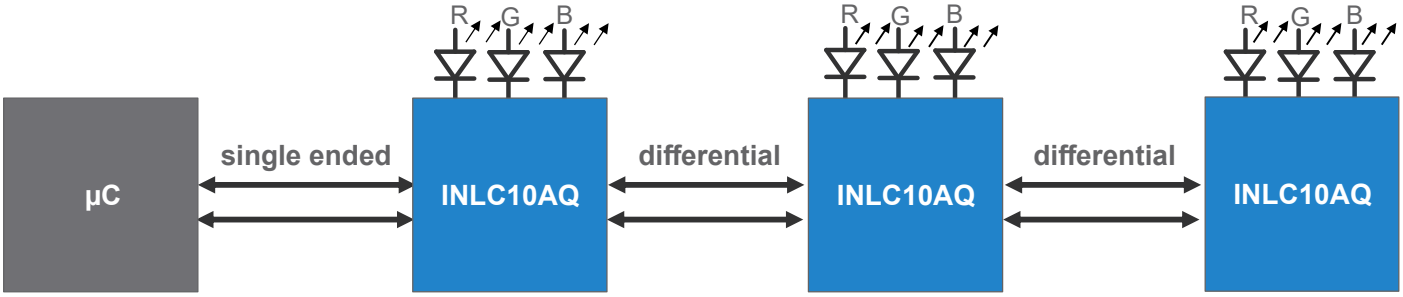
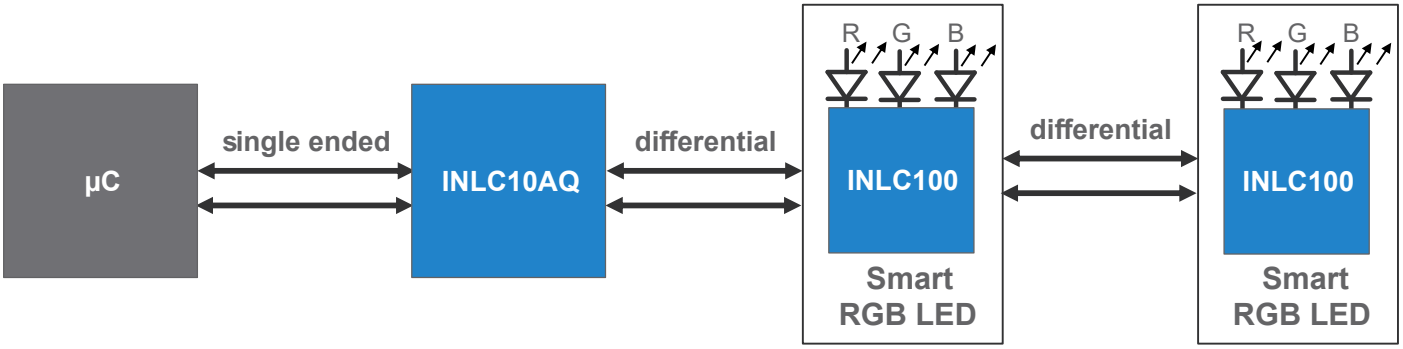
Example for chain with external LEDs



Example for combination with other ISELED products



TEMPERATURE / QUALITY

- -40°C to +105°C
- AEC-Q100

PACKAGE

- 16 lead WETQFN
- Exposed pad
- 3mm x 3mm x 0,9mm
- 0,5 pitch

APPLICATION

- Ambient lighting
- Roof lighting
- Display backlight
- Functional lighting
- Signal conversion (single ended to differential)

Part Number	Package	Pack Size
INLC10AQ-T	WETQFN-16	490/Tray
INLT220Q-R4.5	WETQFN-16	4500/Reel