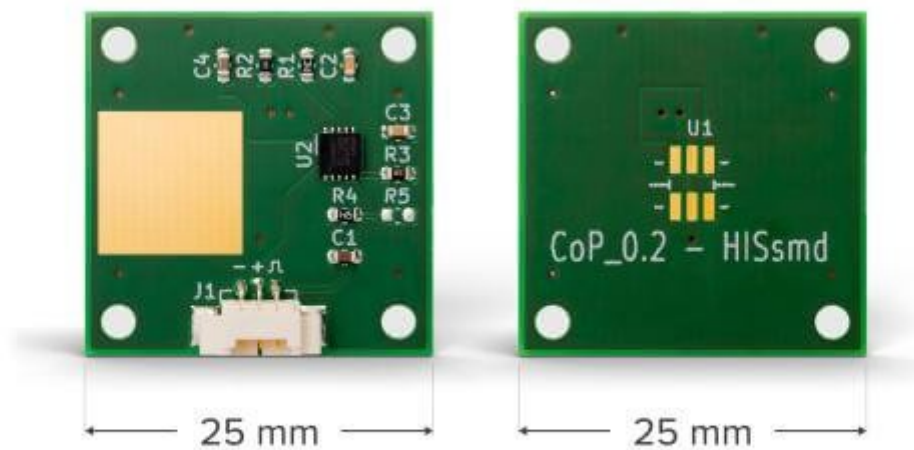




innovative  
Sensor  
Technology

## Driver Circuit Board DCB.S3.175



Driver circuit board for a quick evaluation of HISsmd series IR emitters

The Driver Circuit Board supports a quick evaluation of our IR emitters and can be ordered as single component (without IR emitter) or assembled with an IR emitter of the HISsmd series. Only a supply voltage and a pulse signal have to be applied to the 3-pin Molex PicoBlade 1.25 mm connector. For more information about its function, see our technical note.

**Product Name:** DCB.S3.175

**Product type:** Driver Circuit Board

**Drive power:** 175 mW

**Input Voltage range:** (1.6 ... 13) V

**Pulse signal voltage Low/OFF:** (0 ... 1) V

**Pulse signal voltage High/ON:** 1.5 V ...  $V_{in}$

**LDO regulator U1:** LT3065

**Product code:** 155805

# Product details

## Accessories

For an easy evaluation and optimal implementation of our infrared emitters in different applications we offer an extensive range of Breakout Boards (BOB) and Driver Circuit Boards (DCB). The Breakout Board transfers the SMD footprint to 2.54 mm headers which allows an easy electrical contacting. All Driver Circuit Boards support a quick evaluation. They are small and use a low-cost driving circuit with a maximum stability close to a power regulated mode. Only a supply voltage and a pulse signal have to be applied.

## HISsmd series

### Miniaturized infrared sources in SMD housing

**HISsmd** series emitters are small, powerful infrared radiation sources that meet the demands for reliable miniaturized gas sensors and offer a wide range of new application scenarios. The low energy consumption, the high efficiency and the small size allow its use in portable, battery-powered, and mobile applications. The pioneering SMD package enables a fully automated production in high-volume markets.

### Key features HISsmd series

- Pulsable thermal infrared source mounted in an industry standard (3x3) mm<sup>2</sup> SMD package
- Patented nanostructured radiating element generates black-body spectrum
- Wide wavelength range enables a broad range of applications
- Highest optical output power of up to 40 mW
- Hermetically sealed, high-quality filter windows guarantee long-term stable operation and high lifetime
- SMD package allows fully automatic assembly in high-volume series

## The online shop

**Quantity (pieces) Price (per piece)**

1-24

CHF 59.00

Stock: **4**