

# Pulsoximeter OEM Module SPO4025d

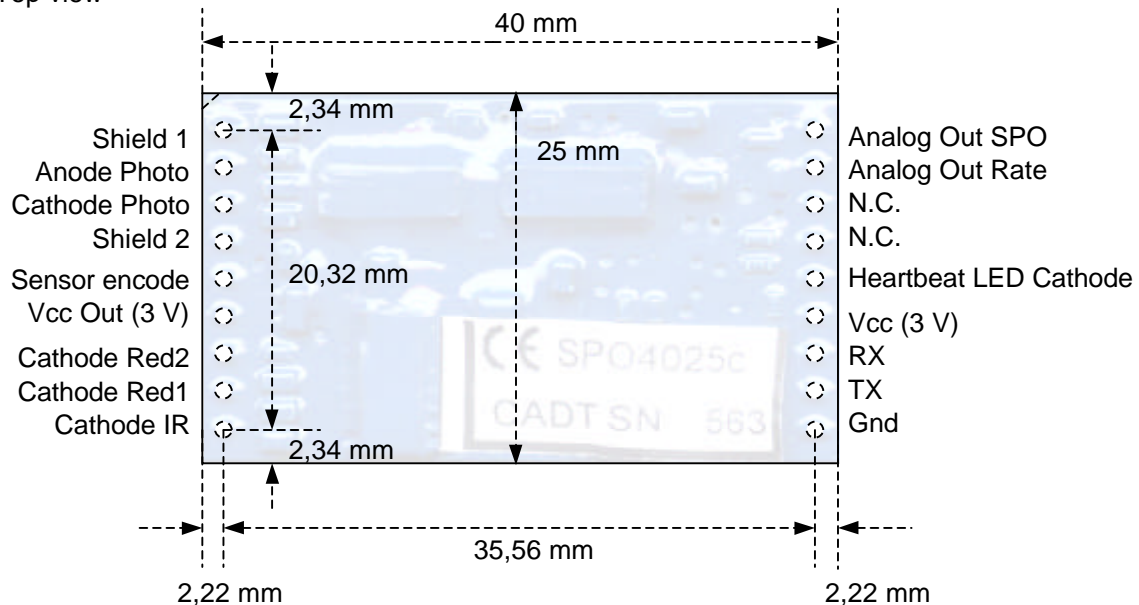
Revision 6

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## Physical dimensions, pinout

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Top view



Notes:

1. Sensor side Shield 1 & 2 should not be connected to system Gnd, but used for shield purposes only. Eventually the sensor cable shields may be connected here.
2. Sensor encode is a resistor of 1..25 kOhms to Gnd.  
Measurement accuracy +/- 0.2 %
3. Cathode IR is used for Anode Red1 and Anode Red2  
Cathode Red1 is used for Anode IR
4. RX and TX are TTL compatible UART signals, RX clipping diode limits at Vcc + 0.5 V
5. Heartbeat LED Cathode: Connect LED anode to Vcc
6. Maximum Vcc is 3.6 V. Do not exceed! Vcc Out is no input but can be used for special sensors with common anode wiring.
7. The Module must not be soldered, but used with sockets, 0.5 mm Ø gold plated pins.  
It requires a keep-out area on the carrier board (for quartz). Please don't put a switched regulator coil close to the photo diode inputs..