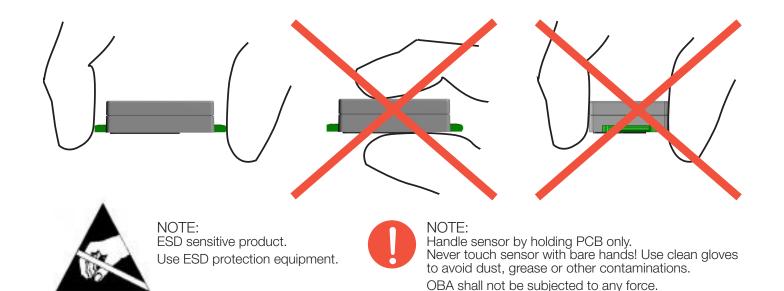
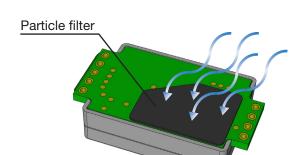
Senseair I I I I an Asahi Kasei company

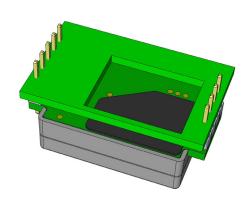
Handling Manual

Senseair S8

Miniature CO₂ sensor module with NDIR technique



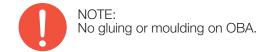






NOTE:

To ensure airflow, and quick sensor response time to changes in environment: do not block particle filter!



Installation and soldering

See IPC-J-STD-001 for acceptable soldering conditions in general.
Selective soldering machine (drag soldering method): soldering temperature 295 °C during three seconds.
Hand soldering: soldering iron temperature 380 °C during two seconds/pin.

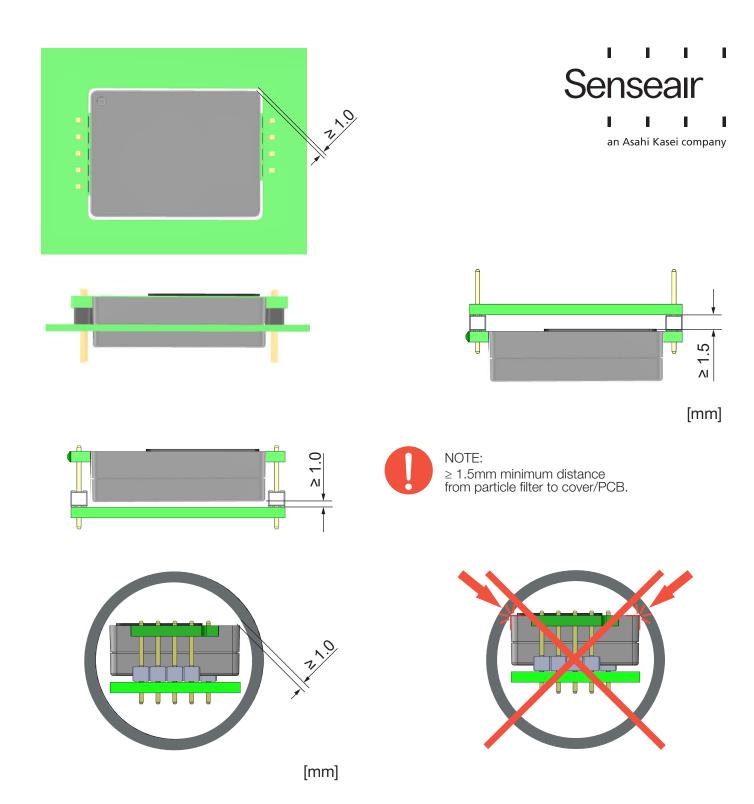
Mechanical properties

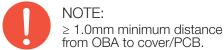
Please refer to mechanical drawing of detailed specification regarding dimensions and tolerances.

Layout considerations:

Use cut-outs or slits in main board to reduce mechanical stress to sensor due to board thermal expansion. To ensure stability, do install pin headers on both sides of sensor.

Document	Rev	Page
ANO0102	8	1 (2)





Storage

Storage in sealed ESD bags. Storage temperature: -40-70 °C

Requirements on storage environment: in normal IAQ environments corrosive environments are excluded.

Inspection - verification

Transport, handling and assembly may affect calibration. Accuracy is defined after minimum three (3) ABC (Automatic Baseline Correction) periods of continuous operation with ABC in normal IAQ applications. Different options exist and can be customised depending on the application. Please, contact Senseair for further information! Preferably, please inspect and perform zero calibration after any, or all, transports.