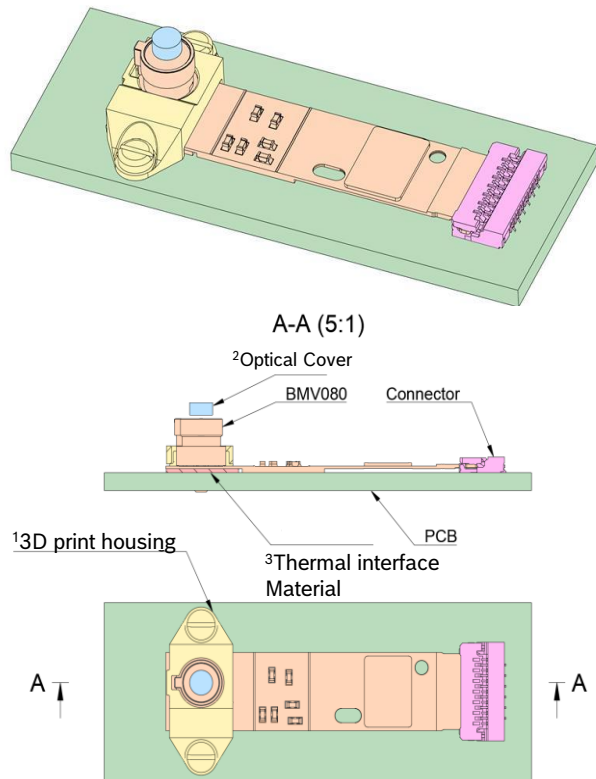


BMV080 particulate matter sensor: Reference design

Mechanical fixture type: 3D printed housing

Mechanical design: 3D printed housing ⁽¹⁾



Recommended 3rd party components*

- Optical cover ⁽²⁾
 - Glass, Transparent (visible spectrum): E.g., [Schott BOROFLOAT® 33](#)
 - Glass, Tinted (visible spectrum): E.g., [RG 695/RG715](#)
 - Plastic, Transparent (visible spectrum): E.g., [Precision Sheet](#), [Non-Glare Sheet](#), [Hard Coat Sheet](#)
 - Plastic, Tinted (visible spectrum): E.g., [Clarex NIR](#)
- Thermal interface material ⁽³⁾
 - Thermal tape: E.g.,
 - [3M 1182](#)
 - [Fischer Elektronik WLFT 412 \(Material: 10169226, Designation: +WLFT4124X4.5\)](#)
 - [WE-TTT Thermal Transfer Tape \(Product No.: 995002\)](#)
 - Thermal pad: E.g., [t-Global Technology TG-A20KX-385-285-0.3-2A](#)

**3rd party components mentioned are recommendations only. Final integration of these 3rd party components needs to be autonomously evaluated & qualified by host depending on their application / use-case*