

Technical Data Sheet

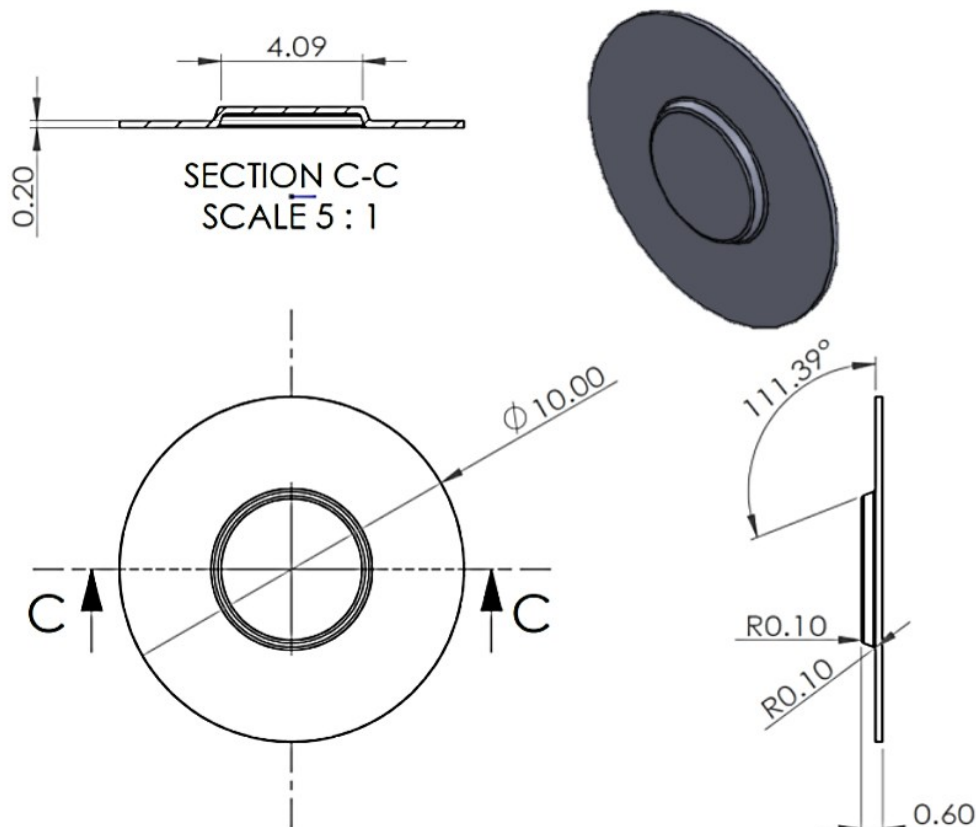
TMOS 00-05 for STHS34PF80

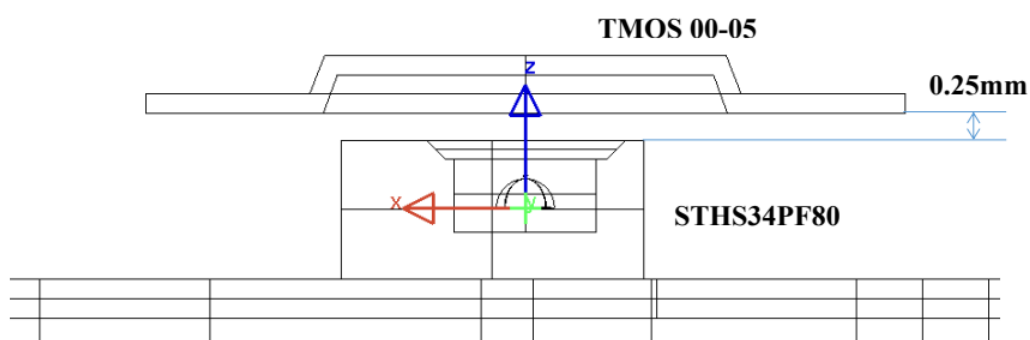
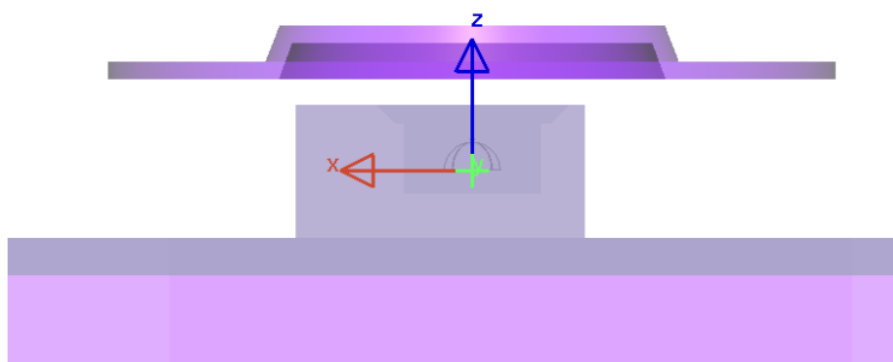
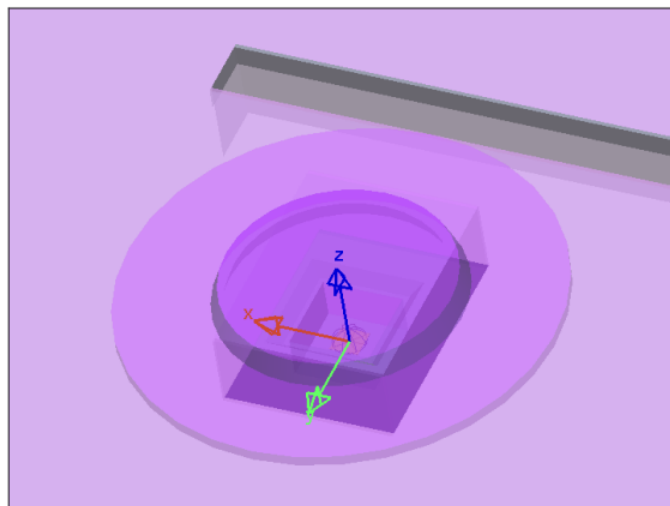
(4mm form factor, High transmittance, 6 different colors, Laptop, ceiling, presence detector)

This document specifies **TMOS00-05** cover for TMOS sensor **STHS34PF80** from STMicroelectronics, PCB **TMOS 34PF80Rev2.1** noled **FrontCable**.

TMOS 00-05 works as a cover to protect TMOS sensor from dust, water, and human touch. The cover has a tiny form factor, which is only diameter 4.09mm of exposed cover and 0.25mm distance from the sensor.

Dimension and orientation of TMOS00-05





Please Note that the Center of Optical Window of the STHS34PF80 must be aligned with the center of the TMOS 00-05.

Detectable Range and Field of View

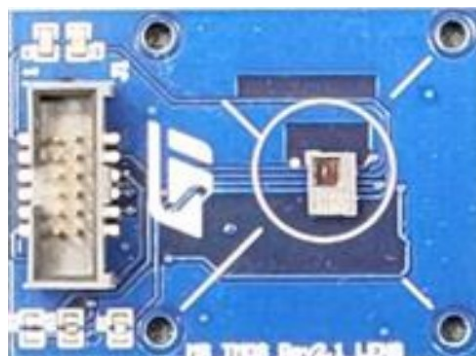
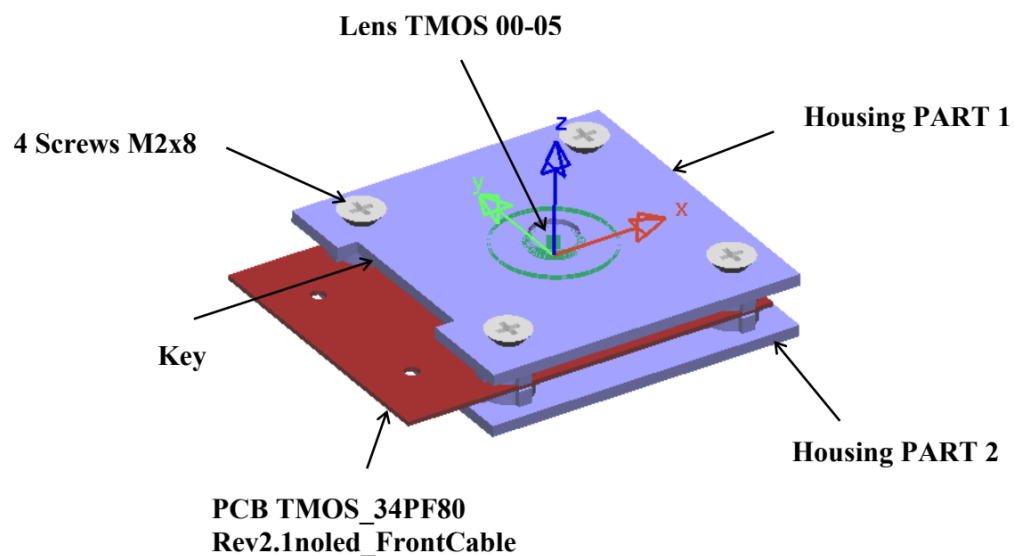
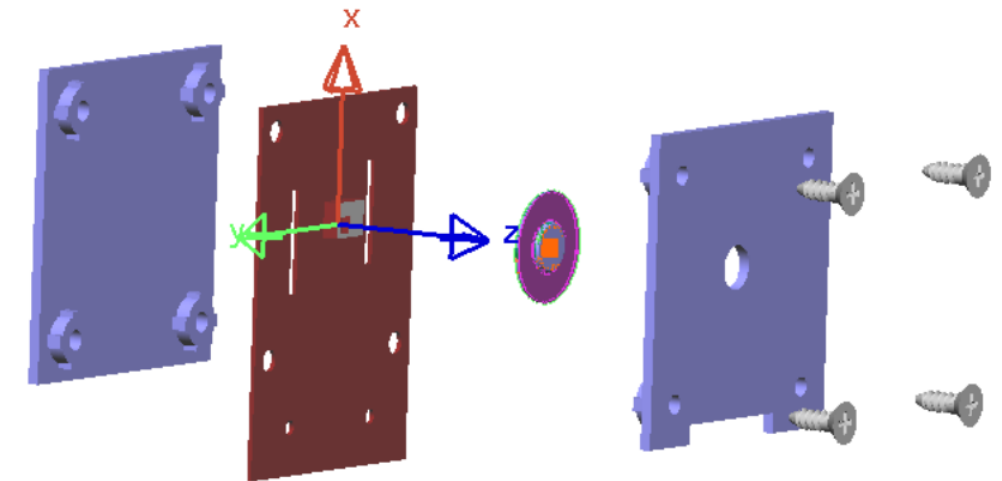
The %transmissivity of TMOS 00-05 is 67.4% compared to TMOS standalone (No Lens). The FoV value for TMOS00-05 is (-42.1, 47.2) degrees.

Housing for EVK with PCB (TMOS_34PF80 Rev2.1_noled_FrontCable)

To download 3D STL file for 3D printing below, see 4. Related documents You can also purchase housings without lens from here(Click).

Housing consists 2 Parts. (see picture below).

Housing fastened by 4 Philips self-tapping Screws M2x8.



PCB TMOS_34PF80Rev2.1_noled_FrontCable

Related documents

1. 2D drawing
2. 3D drawing with geometric information between lens and sensor
3. 3D printing housing

Part 1

Part2

Useful link

1. Guide for Lens Selection
2. Custom lens (Design request)
3. Guide for material selection
4. Off-the-shelf products list
5. EN50131 & IEC63180 (Performance test)
6. Adhesive for IP grade and assembly
7. Official Website
8. Contact for Sales and Technical Support

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