Scope

This document provides an overview of the available hardware tools to evaluate the MLX90901 tactile fingertip module.

Ordering information

Find distributors for hardware and samples here

Order Code	Description
DVK90901	This kit includes • **MLX90901UOM-AAA-000**: Tactile fingertip (18.5 x 23.6 x 9.4 mm^3) • **Melexis.IO**: USB interface for GUI evaluation and configuration • **Cabling system**: 2 cables plus a translator board to translate between the different connector types.

Table 1 – Ordering Information

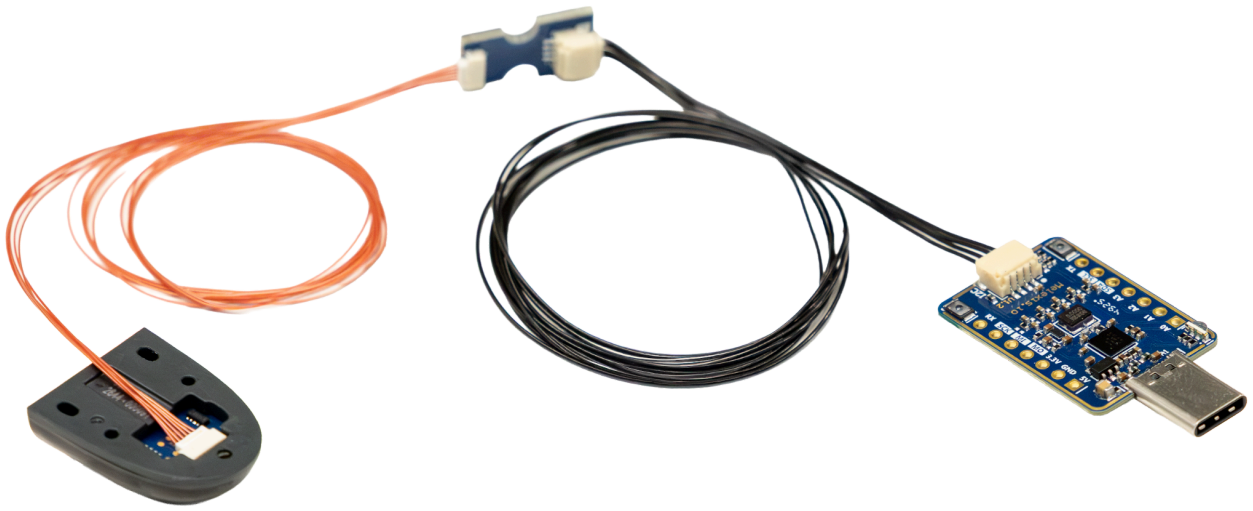
Visual of the assembled kit

DVK90901

Table 2 – Tool visuals and key dimensions

Description

The DVK90901 development kit provides a streamlined environment for evaluating the MLX90901 tactile fingertip module. Using the Melexis.IO bridge, the kit establishes seamless I2C communication with the sensor and efficiently routes real-time data to your PC via USB. For detailed setup instructions, refer to the user manuals available on the MyMelexis platform.

DVK90901 Features and Benefits

- **Out-of-the-Box Evaluation:** True plug-and-play setup for the MLX90901 accelerates prototyping and minimizes initial development time.
- **Real-Time Data Visualization:** An intuitive companion Graphical User Interface (GUI) lets you view tactile sensor data instantly and clearly.
- **Seamless Data Logging:** Built-in GUI tools effortlessly capture and store sensor data for in-depth analysis and performance validation.
- **Flexible Software Integration:** A dedicated Python software library enables custom scripting, automated testing, and tailored sensor interactions.

More information can be found here

- Tool webpage: melexis.com/mlx90901-tools
- Product webpage: melexis.com/mlx90901
- MyMelexis platform: melexis.com/mymelexis
  (to gain access, contact your local sales representative)

ESD Precaution

Electronic semiconductor products are sensitive to Electrostatic Discharge (ESD). Always observe Electrostatic Discharge control procedures whenever handling semiconductor products.

Revision history

Revision	Date	Details
001	05 OCT 2026	Initial release

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