

# Distance Sensor Cap

## KST3277

Add spatial  
awareness to  
your product using  
our fast, precise, and  
robust Distance Sensor Caps!



**Key features include:**

- Distance sensing with 1mm accuracy up to a 3.5m range with a 90° field of view
- Single +3.3VDC Power Supply and Compliant I2C Bus for your favorite microcontroller
- Human-safe, 940nm IR Class I Laser-based design based on the ST Microelectronics VL53 Series of sensors
- IP67, Outdoor Compliant (under proper installation conditions)
- M20 Size Compliant - easy to add to your enclosure!
- ST Microelectronics Nucleo or Arduino Shield Available for Prototyping

The applications here are endless, including robotics, automation, people counting, gesture control, industrial control, and so much more!

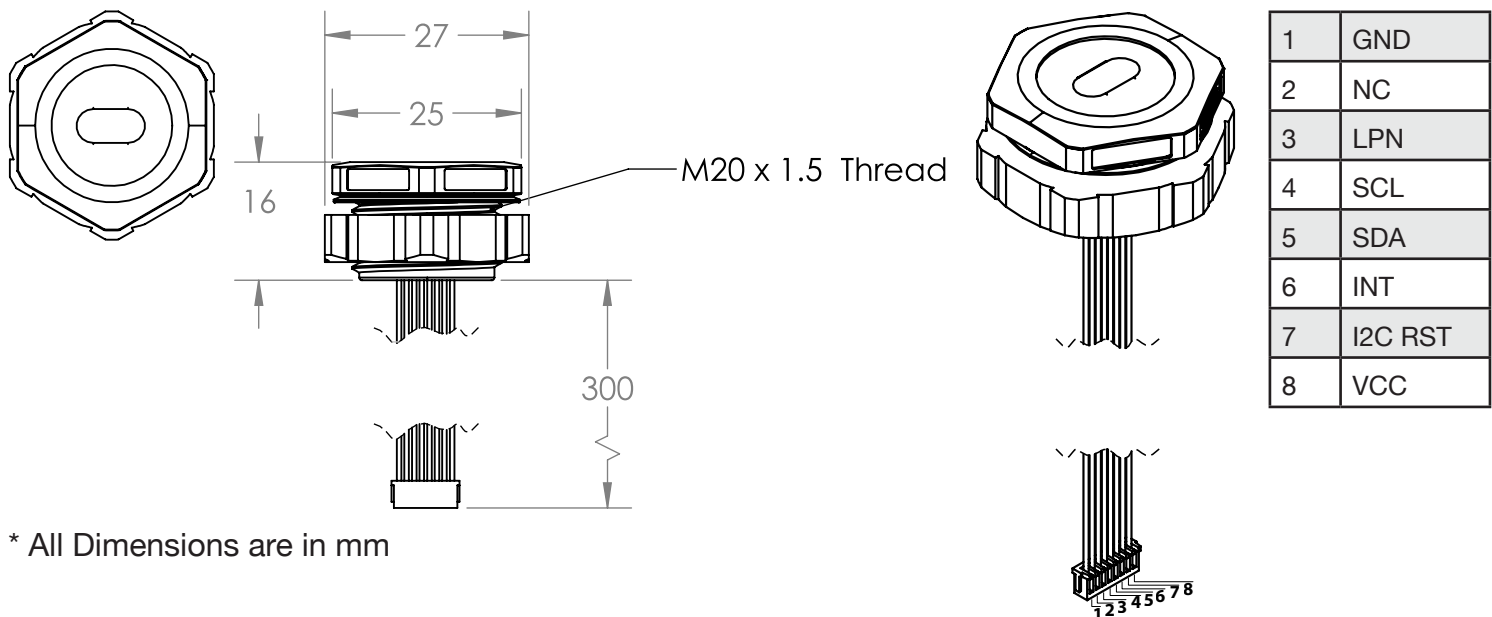


## Product Family

Part Number	Time of Flight Sensor	Max Range (m)	Field of View (°)	Interface	Indoor/Outdoor
KST3270	VL53L0X	2	25	I2C	Outdoor
KST3271	VL53L1CX	4	27	I2C	Outdoor
KST3274	VL53L4CX	6	18	I2C	Outdoor
<b>KST3277</b>	<b>VL53L7CX</b>	<b>3.5</b>	<b>90</b>	<b>I2C</b>	<b>Indoor</b>
KST3278*	VL53L8CX	4	65	I2C, SPI	Outdoor
KST3279*	VL53L9CX	9.6	65	I2C, SPI, I3C	Outdoor

\* Mechanical Dimensions & Pinout subject to change

## Mechanical Drawing & Pinout



\* All Dimensions are in mm

KS Technologies offers engineering services to help you solve whatever remote sensing problem you might be facing. Contact us today to learn more about how we can integrate your sensor solution with the Cloud.



11580 Black Forest Road Suite #60  
Colorado Springs, Colorado 80908



719.694.8193



web: [kstechnologies.com](http://kstechnologies.com)  
email: [info@kstechnologies.com](mailto:info@kstechnologies.com)  
linkedin: KS Technologies, LLC



Design and Build happens in Colorado, USA

