



ON Semiconductor®

To: Our Valued Customers, Sales Representatives and Distributors

Date: April 7, 2020

Subject: ON Semiconductor RSL10 and the “SweynTooth” Bluetooth® Low Energy Cybersecurity Vulnerabilities

Recently the FDA and the US Department of Homeland Security issued an alert regarding a public report of multiple Bluetooth Low Energy (BLE) vulnerabilities, referred to as the [SweynTooth family of cybersecurity vulnerabilities](#). The report identifies several publically disclosed BLE vulnerabilities that expose flaws in specific BLE SoC implementations that allow an attacker within radio range to trigger deadlocks, crashes, buffer overflows or the complete bypass of security; and can affect devices using affected BLE software development kits (SDK).

These publically disclosed vulnerabilities were reported to affect devices that incorporate BLE wireless communication technology from a number of vendors. The ON Semiconductor RSL10 Bluetooth radio is not included on this list.

As a trusted and ethical supplier of semiconductor solutions, we have made it our responsibility to conduct our own internal investigations into the named vulnerabilities and communicate directly with our customers. We can confirm that to date the RSL10 is affected by only three of the vulnerabilities:

- Zero LTK Installation
- Channel Map Deadlock
- DHCheck Skip

We are actively working with our BLE stack vendor who is prioritizing their development efforts to provide us with a maintenance release to counter the potential threat of these vulnerabilities. Once received, we will conduct extensive testing and verification and incorporate a patch into a SDK release, which we expect to occur by the end of April 2020.

ON Semiconductor is treating this matter seriously. We continue to monitor the situation and commit to investigating any further developments.

In the meantime, if you have any additional questions or concerns, we invite you to contact your account manager.

Regards,

A handwritten signature in blue ink, appearing to read "Michel De Mey".

Michel De Mey
Vice President and General Manager
Signal Processing, Wireless, and Medical Division