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## **Materion's SupremEX® Used in New Line of High Security, Luxury Smartphones**

*Metal Matrix Composite Helps Enable Innovations in Consumer Electronics*

MAYFIELD HEIGHTS, Ohio--(BUSINESS WIRE)-- As an advanced materials provider, Materion Corporation (NYSE:MTRN) has been at the forefront of the consumer electronics market, helping enable new technologies and meet the demand for ever-increasing functionality of hand-held devices with its high performance alloys, composites and other specialized materials. When SIRIN LABS set out to design SOLARIN, a military-grade smartphone, the company selected SupremEX®, a high strength, lightweight metal matrix composite, for the chassis. The new SIRIN LABS smartphone went on sale on May 31, 2016.

SupremEX, an aerospace grade aluminum alloy, is used in a range of applications, including satellite, optical systems, automotive and aerospace structures. The material combines the lightweight properties of aluminum with the outstanding strength and stiffness of ceramic that is ideal for smartphones.

As well as SupremEX, leading manufacturers use a variety of Materion materials in their smartphones. BrushForm® 158, a high strength, foil-gauge, copper nickel tin alloy is used for voice coil motor actuators that stabilize smartphone cameras to produce sharper, clearer images. Additionally, Materion provides precision coatings that enable thinner and lighter smartphone sensors, which in turn, allow manufacturers to add new features without sacrificing size or weight. Further, Materion supplies precision optics materials that are key enablers of smartphone thermal imaging attachments.

"We're pleased that SIRIN LABS selected SupremEX for its new smartphone," said Glenn Maxwell, President, Materion Performance Alloys and Composites. "We produce innovative materials and are always looking ahead to anticipate material needs for next-generation and specialty devices like SOLARIN."

Materion Corporation is headquartered in Mayfield Heights, Ohio. Through its businesses, Materion supplies worldwide markets with alloy products, beryllium products, electronic products, precious metal products, and engineered material systems. Around the world, the company's engineered materials can be found in technically demanding end-use products within the telecommunications and computer, automotive electronics, appliance, industrial components, plastics tooling, optical media, oil and gas, aerospace and defense, and off-highway and mining equipment markets. Visit [www.Materion.com](http://www.Materion.com) for more information. For more information about SupremEX, visit [www.Materion.com/SupremEX](http://www.Materion.com/SupremEX).

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