



**FOR IMMEDIATE RELEASE**

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**Absolute EMS is Averatek Approved**

**SANTA CLARA, CA — August 2021** —Averatek is pleased to announce that Absolute EMS has implemented soldering to aluminum using Averatek’s Mina™ chemistry. Absolute EMS assembles surface mount components onto polymer substrates with aluminum traces using Averatek’s Mina™ pretreatment.

Averatek licenses its breakthrough Mina™ chemistry to select EMS companies. To utilize this unique assembly process, they work closely with the Averatek engineering team for implementation. To be Averatek Approved, an organization must demonstrate that their staff and facilities can consistently deliver quality product. Ongoing technical and marketing support is part of this exclusive program.

Mina™ is a simple pretreatment that allows for soldering to aluminum as easily as to copper. It replaces silver-based ACP (Anisotropic Conductive Paste) with solder, for higher reliability at lower cost. By utilizing Mina™, fabricators harness the advantages of aluminum over copper: same conductivity as copper at half the weight – for a fraction of the expense. Additionally, manufacturing is more environmentally friendly than traditional processes, as Mina™ eliminates the steps required for surface finishes for aluminum and shortens processing time.

Doug Dow, Absolute EMS COO commented: “It is truly an honor to be in partnership with Averatek. Their mission is to create solutions that deliver ‘tomorrow’s technology’ and this means that together, we are working on things the industry has never seen before. The transparent polymer substrate can be a very thin piece of flexible PET, with flexible aluminum traces where the components are placed with strategic accuracy.”

“Bringing this new capability to the market is exciting”, says Averatek CEO Haris Basit. “Mina™ is designed for integration with traditional PCB manufacturing equipment and materials. This gives our licensees the flexibility to accelerate development cycles for new products within the



quality control of their established production facilities. The scientists and PhDs on our leadership team are working with our partners to deliver tomorrow's technology - today."

Absolute EMS, located in the heart of Silicon Valley, is a leader in offering manufacturing services in a state-of-the-art, high-technology EMS facility. Founded in 1996, the company originally serviced the medical industry, thus its focus on controlled manufacturing that is scalable and repeatable. Since its inception, Absolute EMS has broadened its verticals to include medical, military, industrial, networking and engineering. For more information, visit

There are multiple applications for Mina™, including RFID mass production, LED lighting panels and power electronics. To join this select group, contact Averatek's leadership team at [info@avatek.com](mailto:info@avatek.com).

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Averatek is a technology innovation company that develops and licenses key chemistries and manufacturing processes for next-generation-electronics: very high-density printed circuit boards, semiconductor packaging, RF and millimeter-wave passive components, simplified assembly to aluminum. For more information, visit [www.avatek.com](http://www.avatek.com).