

2021 Military & Aerospace Electronics Innovators Awards

FOR IMMEDIATE RELEASE

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Planar Monolithics Industries, Inc., honored by 2021 Military & Aerospace Electronics Innovators Awards

Frederick, Maryland, August 24, 2021 – Planar Monolithics Industries, Inc. (PMI), a Quantic company, is a leader in the design and manufacture of RF & microwave components and subsystems. Today, PMI announced that its PRX-20-1G18G-850M-SFF-V2, a 1-18 GHz channelized receiver designed in collaboration with BANC3 Inc., NJ for a digital receiver system in support of US satellite payload launch operations, was recognized with the highest honors by the 2021 Military & Aerospace Electronics Innovators Awards. An esteemed and experienced panel of judges from the aerospace and defense community recognized PMI a Platinum Honoree.

“On behalf of the Military & Aerospace Electronics Innovators Awards, I would like to congratulate PMI on their – Platinum level honoree status,” said Military & Aerospace Electronics Editor in Chief John Keller. “This competitive program allows Military & Aerospace Electronics to celebrate and recognize the most innovative products impacting the aerospace and defense community this year.”



The PRX-20-1G18G-850M-SFF-V2 1-18 GHz Channelized Receiver is a broadband input, 20 output channelized receiver for surveillance applications with copious transmission signals present in various frequency bands at any given time. The receiver limits the noise to help identify low-power signals without compressing output power for the higher power signals. The channelized receiver offers 20ea. 850 MHz BW outputs up to 4.4 GHz while providing good 50 ohm matches for the broadband input and all outputs.

About Military & Aerospace Electronics

Military & Aerospace Electronics is the leading media resource serving program and project managers, engineering managers, and engineers involved in electronic and electro-optic design for military, space, and aviation applications.

Military & Aerospace Electronics magazine delivers time-sensitive news, in-depth analyses, case studies, and real-world applications of new products, industry opinion, and the latest trends in the use of mil-spec, rugged and commercial off-the-shelf components, subsystems, and systems.

About Planar Monolithics Industries, Inc. (PMI)

Planar Monolithics Industries (PMI), Inc., a Quantic Company has been in business for over 32 years as a manufacturer of electronic components for defense and mission critical applications. Since its founding in November 1989, PMI has become a leading supplier of highly reliable, low-cost Systems offering unique innovations in RF / microwave components, and integrated assemblies from DC to 63 GHz. PMI is led by a team of technocrats and management experts that possess the technology and talent to develop unique products for applications in space, military (ECM, ECCM, ESM, Radars, and Electronic Warfare), communications, telecommunications, commercial, and industrial electronics systems.

About BANC3, Inc.

BANC3, Inc., a small business, non-traditional defense contractor in Princeton, NJ, has in-depth experience designing, developing, integrating and testing digital receiver systems for mission critical defense operations. We have recently completed a system development effort to implement a 100% probability of intercept (POI) digital receiver system covering 10 MHz – 18 GHz in support of the US satellite payload launch operations. The core of the system is our Hybrid Digital Receiver implemented in VHDL running on an FPGA. This real-time receiver simultaneously processes the frequency and time domains to create both spectral content and pulse descriptor words for RF events from 80 ns pulses through continuous wave (CW). BANC3 also specializes in providing Augmented Reality (AR) solutions for a wide variety of markets and use cases. Our AR solutions, including both headset and applications, allow our customers to start using AR to solve their complex problems without any need for development or extensive training. The intuitive design employs look-through optics to provide the headset user with complete awareness of their local surroundings, while high-definition color micro-displays project critical information overlays providing instructions, warnings, and other data into the user's field of view. The embedded software applications merge data from the sensors integrated into the headset with external information sources to provide a context rich experience for the user that improves their efficiency while maintaining their safety.