

# Renaissance Electronics has New Exciting Developments!



## Renaissance Electronics Acquires HXI Millimeter Company

Proxim Wireless Corporation, a leading provider of end-to-end broadband wireless systems that deliver the quadruple play, today announced that, effective August 29, 2008, it has sold substantially all the assets of the Harmonix Division of its Terabeam Corporation subsidiary to Renaissance Electronics Corporation.

As part of the transaction, Proxim and Renaissance entered into an agreement for the continued supply and support of the GigaLink(R) radios developed and manufactured by Harmonix. This way Proxim can ensure an uninterrupted supply of these products to its customers.

"This transaction truly was a win-win for Proxim and Renaissance," stated **Pankaj Manglik, Proxim's Chief Executive Officer**. "The components business of the Harmonix Division was non-core to Proxim's business, so this gives Renaissance the ability to capitalize on the technology assets of that division while providing Proxim a continued source of radios and operating cash to focus on our end-to-end broadband wireless product portfolio."

"This acquisition brings Renaissance closer to meeting its vision of being the world's preferred supplier of all frequency products," said **Thamby (Tom) Kurian, Renaissance's President and CEO**. "This will allow Renaissance to cover most of the components, integrated assemblies, and other products in frequencies ranging from radio to microwave to millimeter."

[For more information click here](#)

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## New Base Station Product Development

The RF transceiver development is proceeding with our proto-type RPTR operating at 3650 to 3675 MHZ. By following the specs of the FCC Part 90 rules, we will transmit and receive between 3650 and 3675MHz in the restricted band. Once the FCC allows certification of unrestricted equipment, we will be able to transmit and receive in the full 3650-3700MHz range.

This proof of concept IF RPTR will be debuted at CTIA in April of 2009 and field trailed with a local service provider in Boston, Ma.

Please contact **Bruce Simpson (Product Line Manager) 978-772-7774 ext 49** for more information on new Base Station product development.

### September/October 2008 News

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## Custom Solution Engine

Renaissance Electronics Corporation (REC) is proud to announce our new Custom Solution Engine <http://www.rec-usa.com/customform.asp> REC has set the standard in the RF and Microwave industries by making it easier for our customers to reach us and utilize our expertise. The Renaissance Engineering Team of veterans with years in the RF and Microwave industries are ready to evaluate your Custom Solution.

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## Little Known Facts

Small quality ferrite component requirements are more difficult for several reasons. When purchasing small lot sizes the piece part cost are sometimes as much as 300% more than products with run rate potential. The overhead cost to manage the factory throughput is the same for large and small orders with no ability for recovery on small lot sizes. Due to the extensive labor associated with ferrite product production and the need for highly trained skilled operators the set up and testing cost with small lot sizes also adds significant cost to small lot orders. These factors contribute to many suppliers decision to refuse small lot orders at any price.

Renaissance Electronics has seen an increase in development activity at both low frequency and high power applications. In many cases, the application is both high power and at a low frequency. Pulsed power amplifiers for various radar applications are just one of many applications.

Some of the new development effort includes components starting around 88 MHz with a functional power requirement of 1500 Watts CW. Other applications move up the frequency spectrum to 135MHz; 400 MHz; 1.3 GHz and even up to S-Band at 15 kW peak power handling requirement.

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