High Performance Frac-N Synthesizer Integrates VCO

2/2/2021 – San Jose, California: RFMW announces design and sales support for a high performance synthesizer from CML Microcircuits. The CMX940 is a low-power, high-performance Fractional-N PLL with fully-integrated wideband VCOs and programmable output divider, generating RF signals over a continuous frequency range of 49 MHz to 2040 MHz. Two, level-controlled, single-ended RF outputs support Tx and Rx sub-systems. A configurable reference path is used to minimize close-in phase noise and mitigate integer and sub-integer boundary spurious. Available in a 7 x 7 mm VQFN package, the chip configuration is controlled by a SPI compatible C-BUS serial interface and requires only external loop filter and clock reference to provide a complete and very compact RF synthesizer solution with typical phase noise of -122 dBc/Hz, 10 kHz offset at 520 MHz. Drawing only 58 mA from a 3.0 - 3.6V supply, it’s the perfect choice for a wide variety of portable and battery powered wireless applications, including digital narrowband two-way radio equipment compliant with ETSI PMR co-existence standards applicable under the Radio Equipment Directive.

Samples are available for qualified requirements through RFMW at 1-877-FOR RFMW (367-7369) within North America; or please find your local sales engineer (worldwide) at the contact page on the RFMW web site.

About RFMW

RFMW is a specialty electronics distribution company focused exclusively on serving customers that require RF and microwave components and semiconductors, as well as component engineering support. The company continues to expand its list of products from selective suppliers with RF/microwave expertise. RFMW deploys a highly experienced, technically skilled team to assist customers with component selection and fulfillment.

To learn more about RFMW, visit their Website at www.rfmw.com, or call us at 1.877.FOR.RFMW (367-7369), or via e-mail at info@rfmw.com.