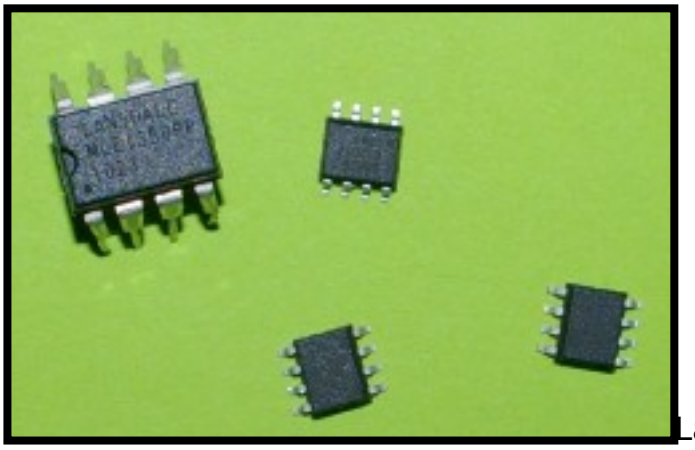
# Lansdale and Freescale Partner to Manufacture RF Prescalers



Lansdale Semiconductor president, R. Dale Lillard, announced the continued availability of a series of RF prescaler circuits originally designed and built by Freescale Semiconductor Inc. Lansdale now has single-source rights to both globally market and continue to manufacture Freescale's line of RF prescalers. These multi-purpose, building-block integrated circuits (IC's) can be combined with a phase lock loop (PLL) to extend the tuning frequency range. The list of available prescaler devices include the ML12002, ML12009, ML12011, ML12013, ML12015, ML12016, ML12017, ML12019, ML12034, ML12038, ML12052, ML12054A and ML12079. Lansdale products are available as RoHS & REACH compliant in both surface mount and P-DIP packaging.

The availability of these thirteen IC's is critical in supporting a variety of applications ranging from satellite communication systems, instrumentation and measurement equipment to wireless local area network (WLAN) systems. This prescaler line includes both single and dual modulus prescalers and has an upper frequency range from 480 MHz up to 2.8 GHz. The control input and outputs can interface with TTL and CMOS devices.

Most prescalers available today are integrated inside of phase-locked loops (PLL) chips and frequency synthesizers to match the frequency of a high-frequency source to the frequency of a reference oscillator. Having an external PLL can offer more flexibility with the design based on the application.

Lansdale offers compatible PLL's that work well with these prescalers. These PLL's include the ML145145, ML145146, ML15151, ML145152, ML145157, ML145158, and ML145170. According to Chris Daria, Commercial Wireless Products Marketing Manager, "For existing designs, having Lansdale as an IC manufacturing source eliminates the need and the high expense of engineering redesign and requalification."

Lansdale's exclusive product life cycle management system is a quality control system that guarantees form, fit, and function equal to the original manufacturer's

design specifications. The Lansdale model has become increasingly important as the growth of the counterfeit industry has increased the problem of maintaining a reliable source of components for long-life systems. “With counterfeit electronic components becoming more of a global industry nightmare, Lansdale’s 30 plus years of product life cycle management, support and manufacturing using only the OEM’s original tooling has become even more critical in today’s market” stated Lillard. This assures a continuous source of high performance IC’s to the worldwide electronics market.

www.lansdale.com [1]

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**Posted by Janine E. Mooney, Editor**

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