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PRESS RELEASE

PG3100 PROGRAMMER - INSTANTLY PROGRAMS LVDS AND LVPECL OSCILLATORS FROM 150MHz to 700MHz.

Wayne, NJ— September 30, 2004—Cardinal Components, Inc., a world leader in the manufacturing of programmable oscillators, TCXO's, VCXO's, and VCTCXO's, is introducing an enhanced version the PG3000 programmer.

The PG3100 programmer is capable of programming from 1MHz to 700MHz. Logic levels of CMOC, TTL, LVDS, and LVPECL are available. Programmable voltages range from 2.7 volts, 3.3 volts, and 5.0 volts. In short, The PG3100 executes all of the functions that the PG3000 performs and contains an enhanced software version that enables the programmer to program LVDS and LVPECL oscillators up to 700MHz. The PG3100 is compatible with Windows 98SE, 2000, and XP operating systems. The programmer connects to a Windows PC via a USB cable and software installation is simple. Reduce component costs and lead-times by programming high frequency oscillators instantly.

This revolutionary programmer is available through Cardinal Components, Inc., or its authorized stocking distributors worldwide.

You can learn more about Cardinal Components, Inc., and Cardinal's additional products by visiting its website at www.cardinalxtal.com or by contacting Tom Ferron at 973-785-1333 or by email at sales@cardinalxtal.com.