



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Features

- Operates from a single crystal resonator, clock oscillator or voltage controlled oscillator
- Two independently programmable Numerically Controlled Oscillators (NCOs) generate any clock rate from 1 kHz to 750 MHz
- NCOs generate clocks with jitter below 0.7 ps RMS for 10 G PHYs
- Frequency of each synthesizers can be fine tuned up to +/-0.5% by corresponding fine frequency adjustment circuit with resolution of 0.24 ppb
- Fine frequency adjustment circuit dynamically configurable via SPI/I2C interface
- Supports programmable frequency offsets for clock margining.
- Eight LVPECL outputs; max rate 750 MHz
- Four LVCMOS outputs; max rate 177.5 MHz

Ordering Information

ZL30237GGG	100 LBGA	11mm x 11mm Trays
ZL30237GGG2	100 LBGA*	11mm x 11mm Trays

*Pb Free Tin/Silver/Copper

-40°C to +85°C

Applications

- Timing for NPUs, FPGAs, Ethernet switches and PCIe switches
- Timing for 10 Gigabit CDRs, Rapid-IO, PCIe, Serial MII, Star Fabric, Fibre Channel, XAUI
- Processor clock, Processor bus clock, SDRAM clock, DDR clock

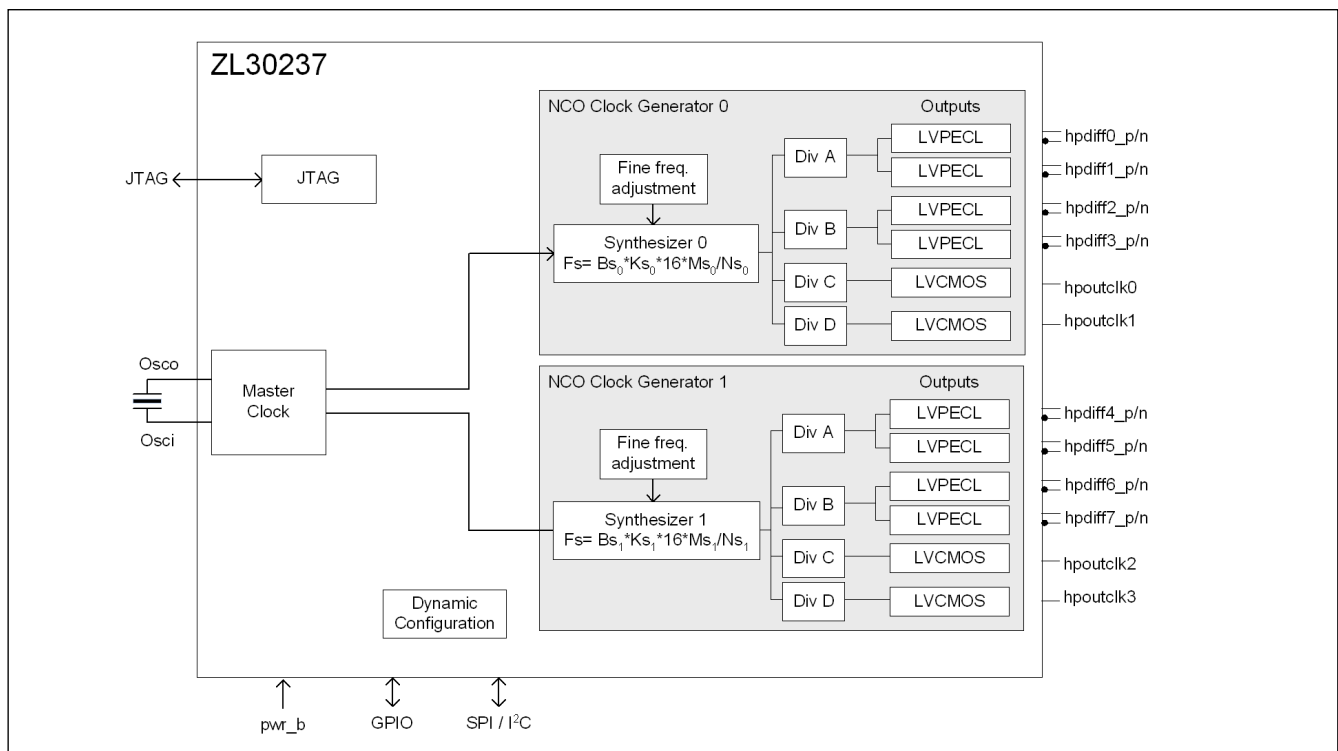
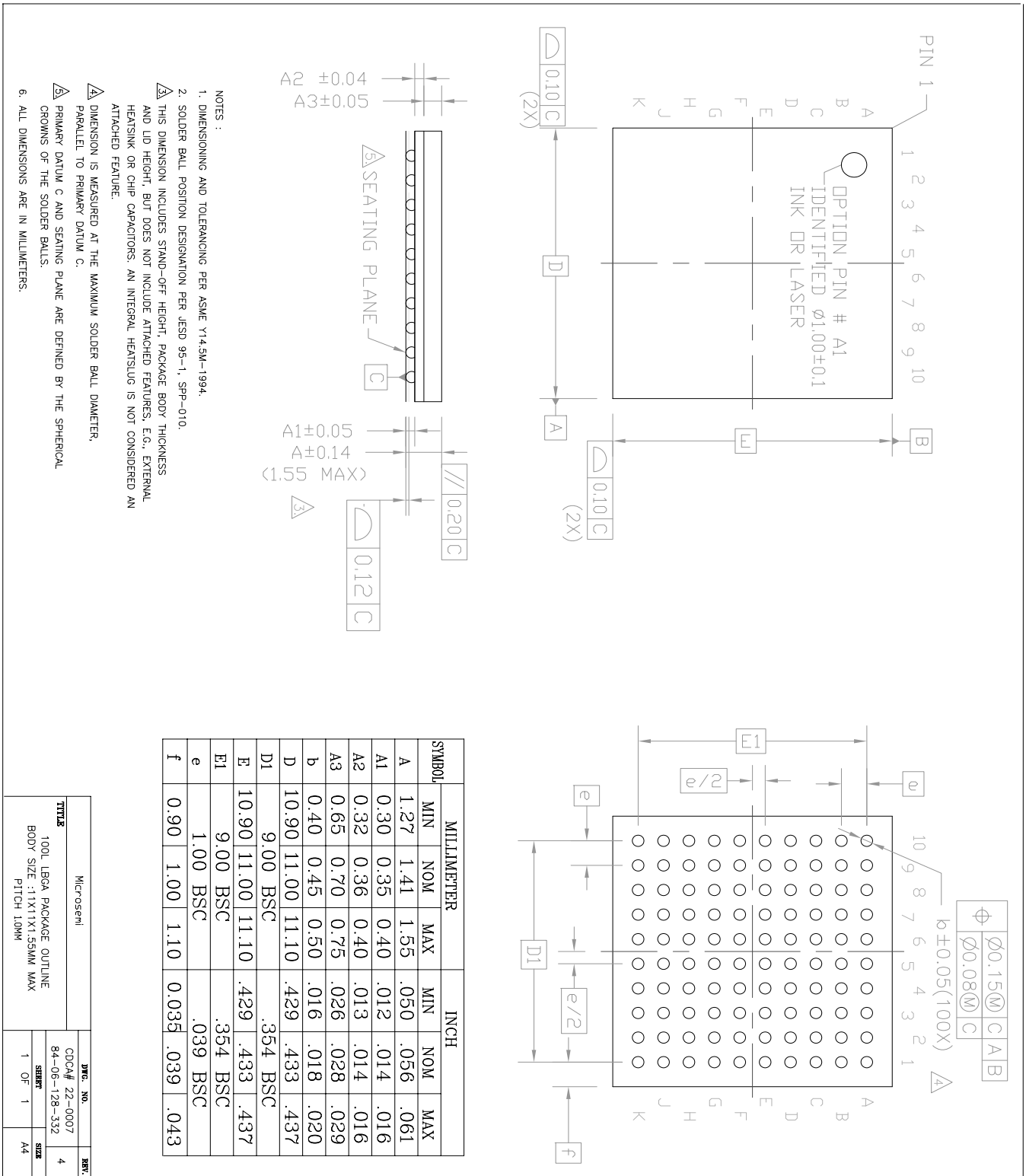


Figure 1 - Functional Block Diagram

Mechanical Drawing


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