

## Features

- Generates clock signals at power-up per user defined custom OTP (One Time Programmable) configuration
- Dynamically configurable via SPI/I2C interface and volatile configuration registers
- Two independently programmable clock generators output any clock rate from 1 kHz to 750 MHz
- Precision clock generators output clocks with jitter below 0.7 ps RMS for 10 G PHYs
- Operates from a single crystal resonator, clock oscillator or voltage controlled oscillator
- Supports programmable frequency offsets for clock margining; or for use as a digitally controlled oscillator
- Eight LVPECL outputs; max rate 750 MHz
- Four LVCMOS outputs; max rate 177.5 MHz

## Ordering Information

ZL30236GGG	100 Pin LPGA	11mmx11mm	Trays
ZL30236GGG2	100 Pin LPGA*	11mmx11mm	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

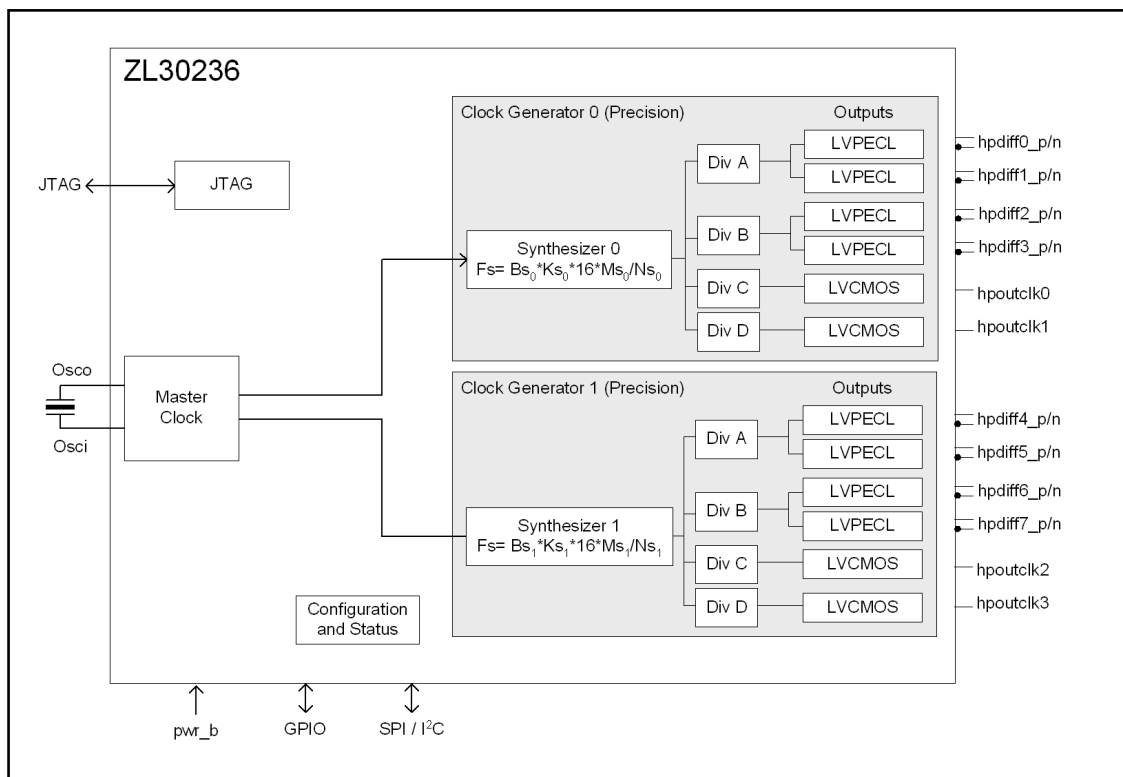
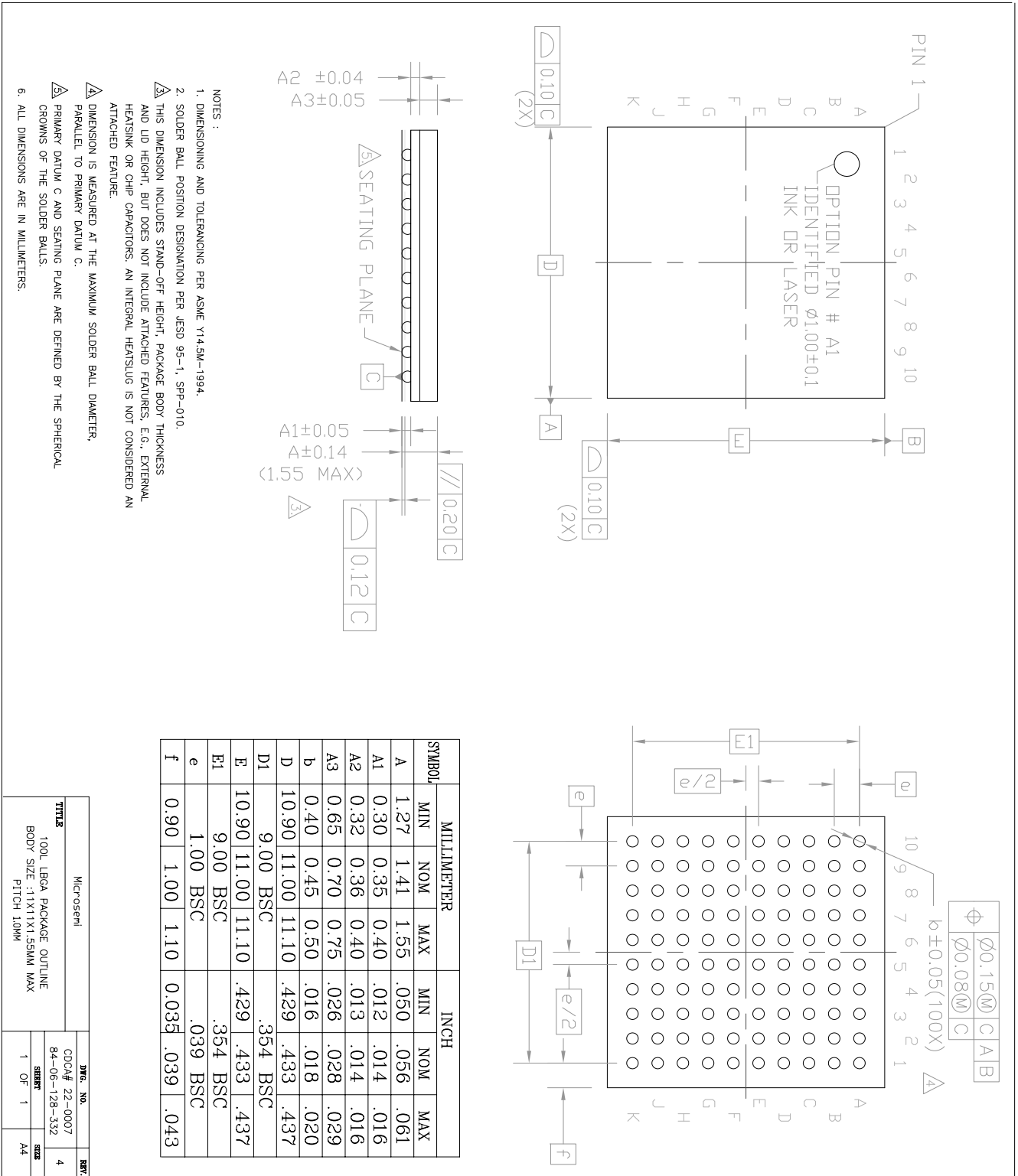


Figure 1 - Functional Block Diagram

# Mechanical Drawing



SYMBOL	MILLIMETER			INCH		
	MIN	NOM	MAX	MIN	NOM	MAX
A	1.27	1.41	1.55	.050	.056	.061
A1	0.30	0.35	0.40	.012	.014	.016
A2	0.32	0.36	0.40	.013	.014	.016
A3	0.65	0.70	0.75	.026	.028	.029
b	0.40	0.45	0.50	.016	.018	.020
D	10.90	11.00	11.10	.429	.433	.437
D1	9.00	BSC		.354	BSC	
E	10.90	11.00	11.10	.429	.433	.437
E1	9.00	BSC		.354	BSC	
e	1.00	BSC		.039	BSC	
f	0.90	1.00	1.10	0.035	.039	.043

Microsemi		DRG. NO.	REV.
TITLE		COCA# 22-0007	4
100L LBGA PACKAGE OUTLINE		84-06-128-332	
BODY SIZE : 11X11X1.55MM MAX		SHEET	2/2
PITCH 10MM		1 OF 1	A4

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- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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