



# P3P18S19B

## Block Diagram

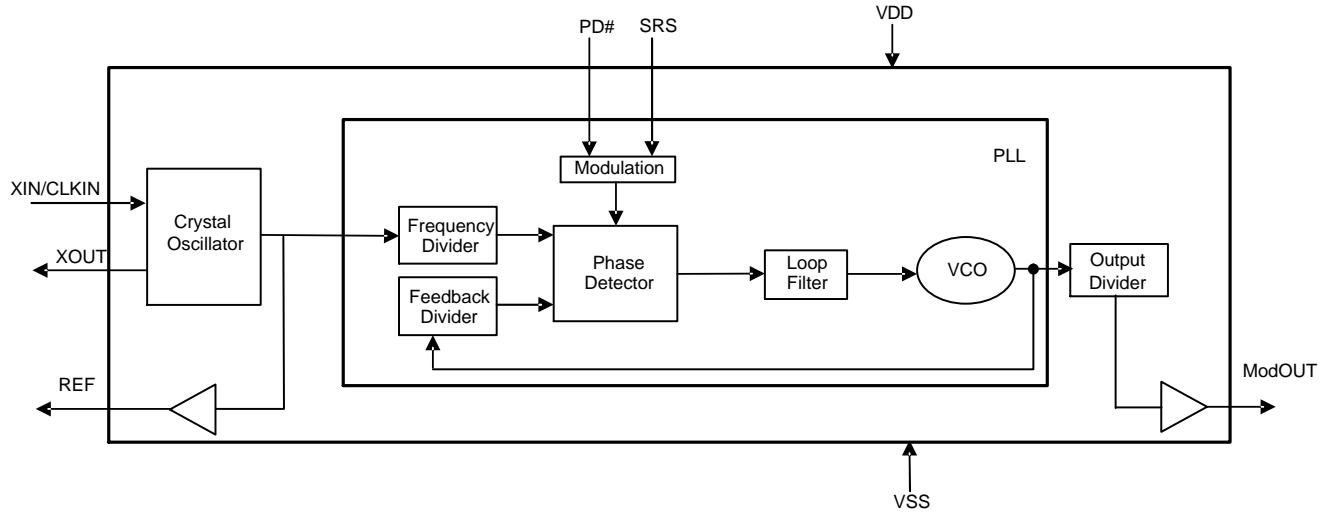


Figure 1. Block Diagram

Table 1. PIN DESCRIPTION

Pin #	Pin Name	Type	Description
1	XIN / CLKIN	I	Crystal Connection or external frequency input. This pin has dual functions. It can be connected to either an external crystal or an external reference clock.
2	VSS	P	Ground Connection. Connect to system ground.
3	SRS	I	Spread range select. Digital logic input used to select frequency deviation (Refer to Spread Deviation Selection Table). This pin has an internal pullup resistor.
4	ModOUT	O	Spread spectrum clock output. (Refer to Input Frequency and Modulation Rate Table and Spread Deviation Selection Table)
5	REF	O	Non-modulated Reference clock output of the input frequency.
6	PD#	I	Power down control pin. Pull LOW to enable Power-Down mode. This pin has an internal pull-up resistor.
7	VDD	P	Power Supply for the entire chip.
8	XOUT	O	Crystal Connection. Input connection for an external crystal. If using an external reference, this pin must be left unconnected.

Table 2. INPUT FREQUENCY AND MODULATION RATE

Part Number	Input Frequency Range	Output Frequency Range	Modulation Rate
P3P18S19B	20 MHz to 40 MHz	20 MHz to 40 MHz	Input Frequency / 512

Table 3. SPREAD DEVIATION SELECTION

Part Number	SRS	Spread Deviation
P3P18S19B	0	-1.25% (DOWN)
	1	-1.75% (DOWN)



