

## Overview:

The Silicon Creations family of low jitter, widely programmable PLLs provide an optimal solution for almost any clocking application. PLLs include ultra-wide input and output ranges along with best-in-class jitter performance, allowing the PLL to be used for a very wide range of clocking functions. They also feature excellent supply noise immunity, ideal for use in noisy, mixed signal SoC environments.

## TSMC Products:

- General Purpose, widely programmable fractional PLL

<i>Process</i>	<i>Part #</i>	<i>Process</i>	<i>Part #</i>
40nm LP	PLLTS40LPFRAC	90nm LP	PLLTS90LPFRAC
45nm GP	PLLTS45GPFRAC	90nm G	PLLTS90GFRAC
65nm LP	PLLTS65LPFRAC	130nm G	PLLTS13GFRAC
65nm GP	PLLTS65GPFRAC		

- Jitter Optimized, widely programmable fractional PLL with fractional noise cancellation DAC

<i>Process</i>	<i>Part #</i>	<i>Process</i>	<i>Part #</i>
40nm LP	PLLTS40LPLNFRAC	65nm LP	PLLTS65LPLNFRAC
45nm GP	PLLTS45GPLNFRAC	65nm GP	PLLTS65GPLNFRAC

- High Bandwidth DeSkew PLL

<i>Process</i>	<i>Part #</i>	<i>Process</i>	<i>Part #</i>
65nm LP	PLLTS65LPDESKEW	90nm G	PLLTS90GDESKEW
65nm GP	PLLTS65GPDESKEW		

- Core Voltage Only, General Purpose, widely programmable Fractional PLL

<i>Process</i>	<i>Part #</i>
65nm LP	PLLTS65LPLVFRAC
65nm GP	PLLTS65GPLVFRAC

## SMIC Products:

- General Purpose, widely programmable fractional PLL

<i>Process</i>	<i>Part #</i>
130nm G	PLLSM13GFRAC

## Corporate Information

2463 Hamilton Mill Pkwy, Ste 280-121  
 Dacula, GA 30548

Tel: (408) 564-0078

Fax: (678) 828-5428

Email: [sales@siliconcr.com](mailto:sales@siliconcr.com)

Web: [www.siliconcr.com](http://www.siliconcr.com)