

TICS Pro - LMX2594

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LMX2594

- User Controls
- Raw Registers
- PLL
- RAMP
- Burst Mode

General Context

FlexCurrent

Fosc 100 MHz

Doubler X1

PreR 1

Multiplier Bypass

R 2

Fpd 50 MHz

PFD

Effective Charge Pump Gain 15 mA

Approximate Current (mA) = 382

IncludedDivide (from Channel Divider) 4

N Divider 37

540001

1000001

Use Large Fraction

Simplify Fraction

Approximate VCO Gain (MHz/V) = 73

Fvco 7508.0000919999 MHz

FCAL_EN

Toggle FCAL_EN to lock VCO after changing frequency

Channel Divider 4

2 x 2 x 1 x 1

SEG1_EN

SYSREF Divider 4

Div4

6

469.25 MHz

1/2

Output MUX

Channel Divider 31

RFoutA 1877.000023 MHz

OUTA_PD

Channel Divider 31

RFoutB 1877.000023 MHz

OUTB_PD

VCO Calibration

FCAL_LPF_ADJ Fpd >= 10

FCAL_HPF_ADJ 150 <= Fpd <= 200

CAL_CLK_DIV Div1, Fosc <= 200

ACAL_CMP_DLY 10

VCO Assist

QUICK_RECAL_EN

Estimate Settings

Start Amplitude 300

Start VCO VCO4

Start Capcode 1

MASH and Phase Synchronization

PFD_DLY_SEL 3

MASH_ORDER 3rd Order Modulator

MASH_RESET_N

MASH_SEED_EN

MASH_SEED 0

VCO_PHASE_SYNC

Toggle Sync Pin

SYSREF

SYSREF_EN

SYSREF_REPEAT

SYSREF_PULSE

SYSREF Delay Control

63 0 0 0

Toggle SysRefReq Pin

Wrote Register R0x24 as 0x24 0025

Wrote Register R0x0 as 0x00 6514

Wrote Register R0x0 as 0x00 651C

Protocol: SPI

Connection Mode: USB2/ANAL

TEXAS INSTRUMENTS

