

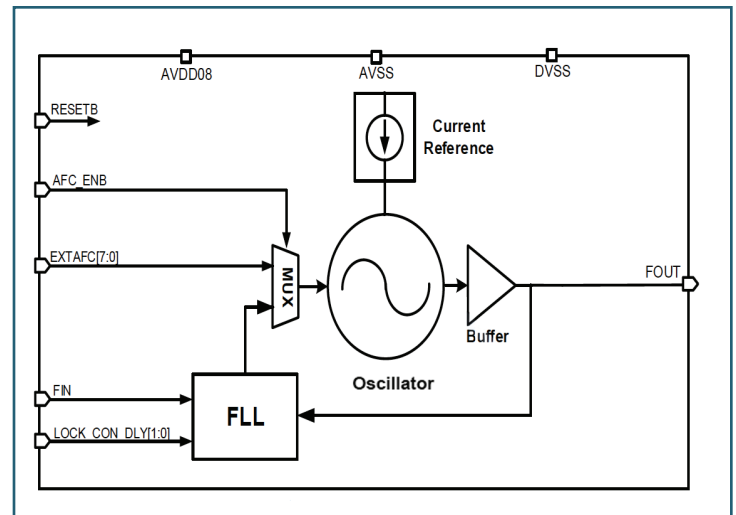
## 49.152MHz Oscillator

### Overview

This on-chip oscillator generates a target output clock with the aid of external clock sources (FIN=32.768kHz) such as a crystal oscillator.

### Key Features

- 14nm Low Power CMOS device technology
- 0.8V single power supply
- Operation junction temperature: -40 to 125°C
- Output frequency range: 49.152MHz
- Output clock duty ratio: 30 to 70%
- One point factory trim is required



### Deliverables

- Datasheet
- User Guide
- Verilog model
- Timing DK
- CDL netlist
- Layout (GDSII or OAS)

### Applications

- Mobile/Consumer/Network/IoT

# SAMSUNG Foundry

For more information, please contact us at [IP@silvaco.com](mailto:IP@silvaco.com).

©Copyright Silvaco, Inc. All rights reserved. Silvaco is a registered trademark of Silvaco, Inc. Samsung Foundry is a trademark of Samsung Electronics Co. Ltd. All other names mentioned herein are trademarks or registered trademark of their respective owners.

All information provided is for reference purposes only and may be changed without notice.

# SILVACO

HEADQUARTERS

2811 Mission College Boulevard, 6th Floor  
Santa Clara, CA 95054

Phone: 408-567-1000

Fax: 408-496-6080



CALIFORNIA

[sales@silvaco.com](mailto:sales@silvaco.com)  
408-567-1000

MASSACHUSETTS

[masales@silvaco.com](mailto:masales@silvaco.com)  
978-323-7901

TEXAS

[txsales@silvaco.com](mailto:txsales@silvaco.com)  
512-418-2929

JAPAN

[jpsales@silvaco.com](mailto:jpsales@silvaco.com)

EUROPE

[eusales@silvaco.com](mailto:eusales@silvaco.com)

FRANCE

[eusales@silvaco.com](mailto:eusales@silvaco.com)

KOREA

[krsales@silvaco.com](mailto:krsales@silvaco.com)

TAIWAN

[twsales@silvaco.com](mailto:twsales@silvaco.com)

SINGAPORE

[sgsales@silvaco.com](mailto:sgsales@silvaco.com)

CHINA

[cnsales@silvaco.com](mailto:cnsales@silvaco.com)

[WWW.SILVACO.COM](http://WWW.SILVACO.COM)

Rev 062719

71112