

System Design: More Options, More Design Starts?

Semico Research Technology Brief

November 20, 2017

Analysis from Semico Research

Related Research

SoC and ASICs

SoC Market Analysis

ASICs Design Starts

Internet of Things

Industrial IoT

Auto CPU and IP TAM

Mfg. Research

Wafer Demand

FAB Database

Chiplet Survey: What are the current opinions?

[Click Here](#)

Contact:

RickV@semico.com

Table of Contents

Introduction

Design Considerations

Figure: Options for Complex System Solutions

Figure: Silicon & Software Design Costs

Table: Pros and Cons for SoC, Chiplet and Traditional System Design

Conclusions

Table: Total ASIC Design Starts by Process Geometry