

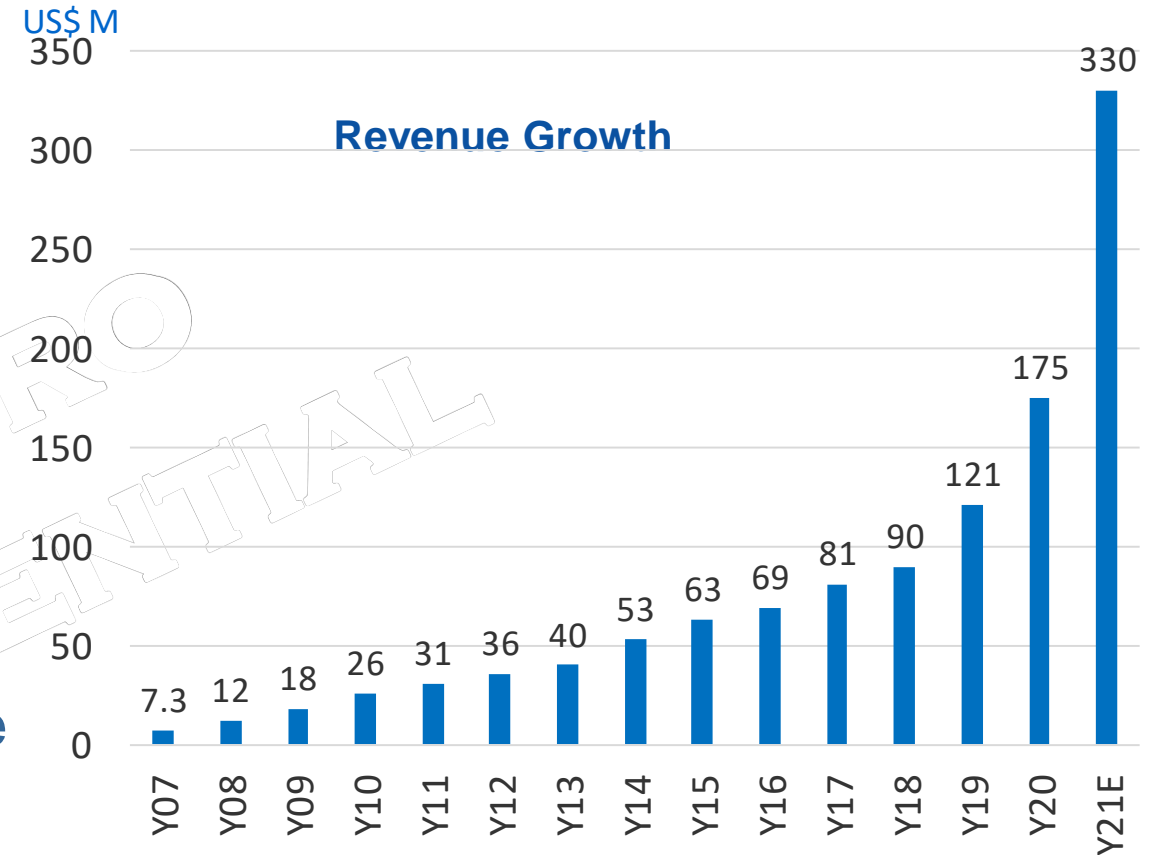


SG Micro Overview

August 26, 2021

High Performance Analog

- High Performance & High Reliability Analog
- 25 Product Families, 1,600+ Products
- All major application markets
- 3000+ customers worldwide & growing
- 3.3B units shipped in 2020
- Established in 2007: Silicon Valley VC funding
- IPO June 2017, listed at Shenzhen Stock Exchange
- Headquartered in Beijing, China



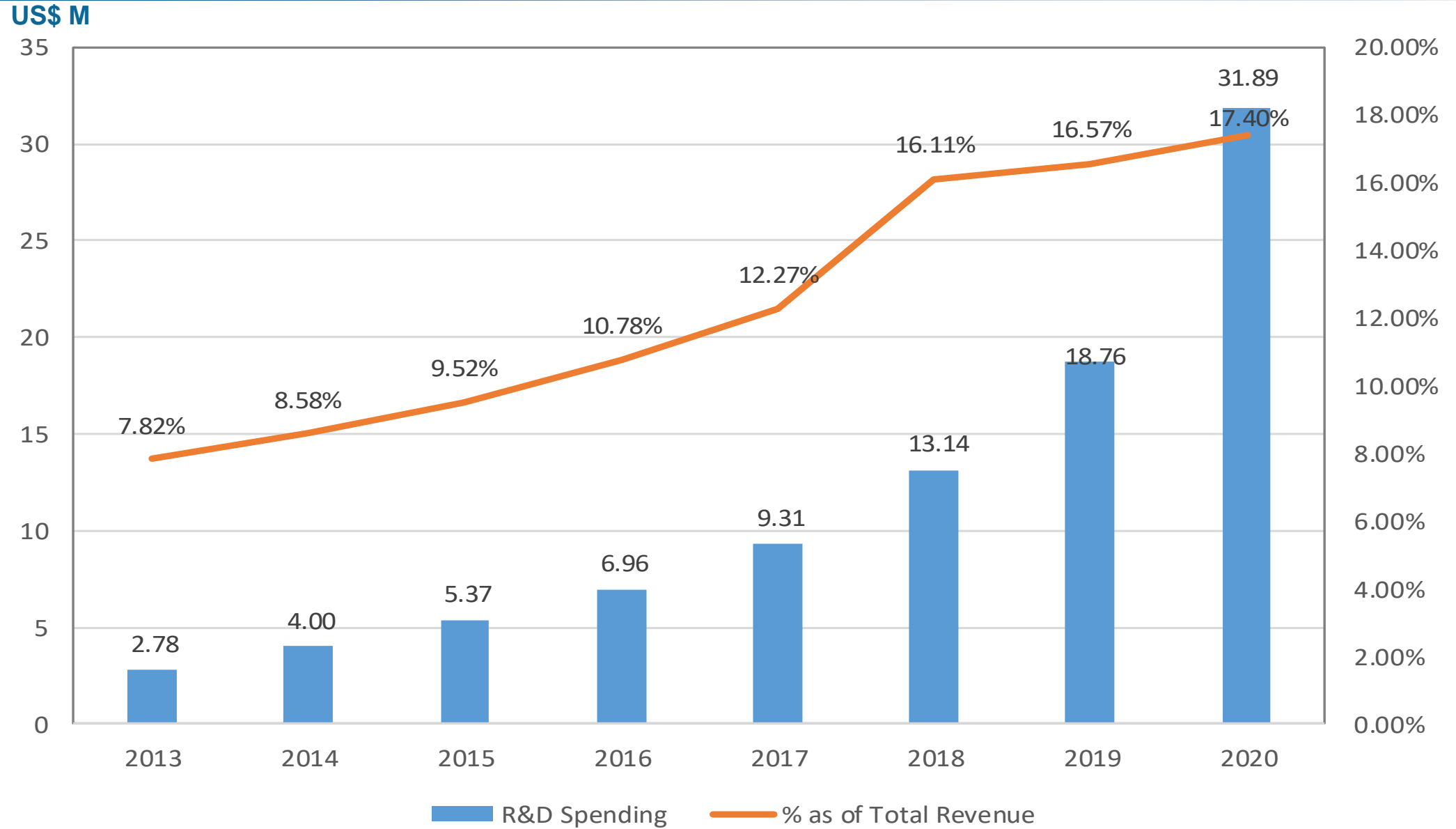


20 Major Locations Worldwide

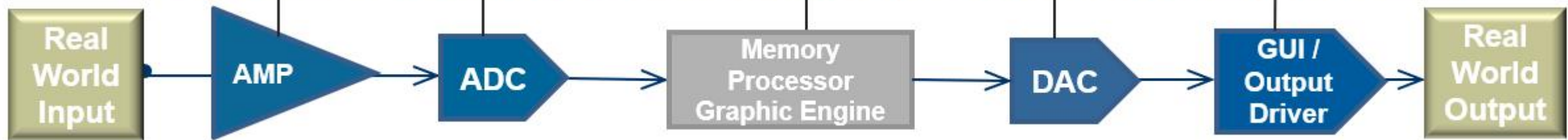
- R&D Centers:** China - Beijing, Shanghai, Harbin, Chengdu, Shenzhen, Dalian, Jiangyin, Hong Kong
- QA & Reliability:** China – Shanghai, Jiangyin, Xian
- Operation:** China – Jiangyin, Harbin
- Sales/FAE:** S. China, E. China, N. China, C. China, Taiwan, S. Korea, ASEAN/India, Europe/Germany, USA



Increasing R&D Investment



System Housekeeping: Power Management, Monitoring, Reset



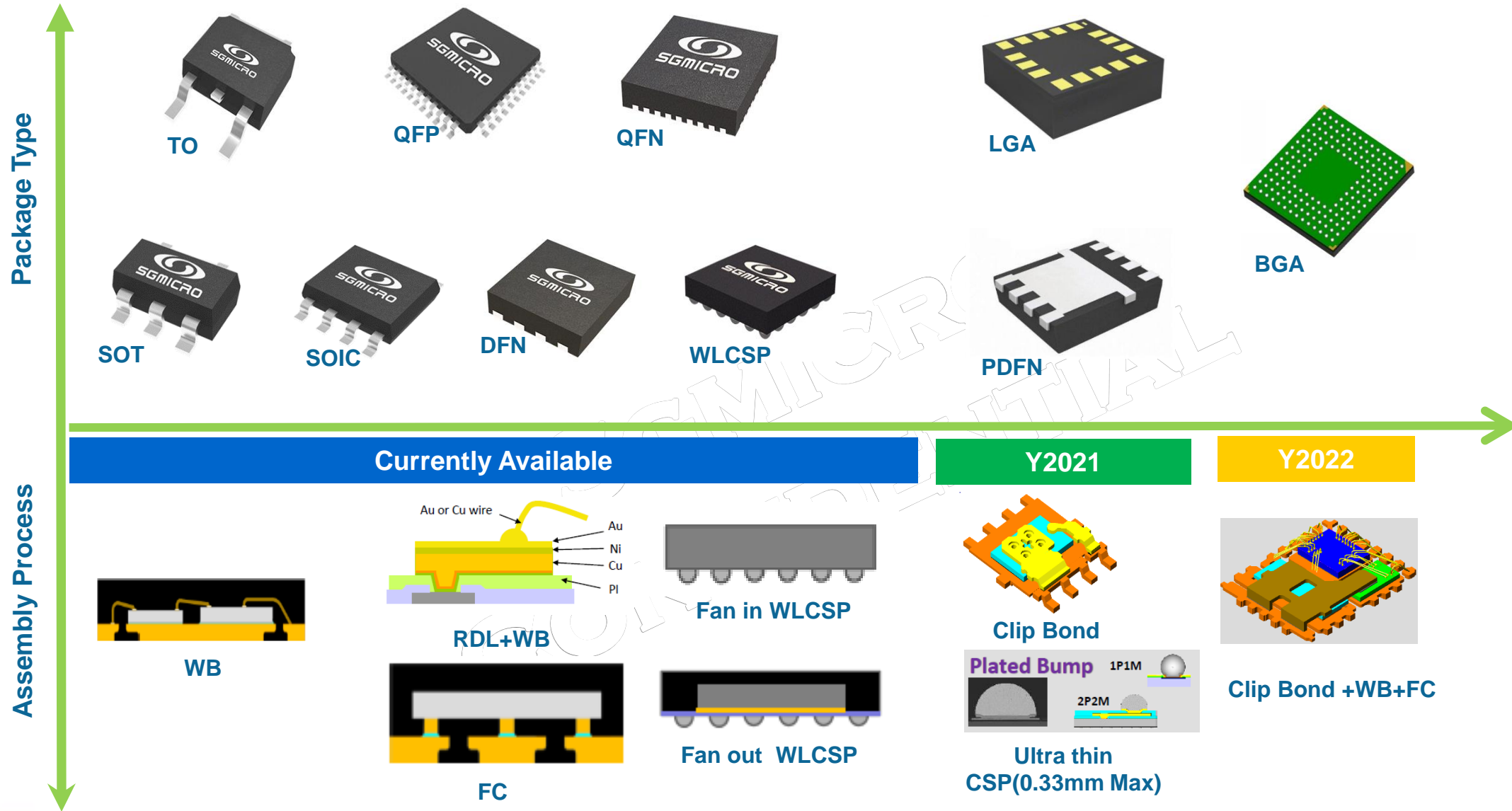
Signal Chain

Power Management

OPA & Comparator	Sigma-Delta ADC	Voltage Ref.	LDO	µP Supervisory IC
Instrumentation Amp.	SAR ADC	Analog Switch	DC/DC Buck Converter	OVP & Load Switch
Audio Power Amplifier	DAC	RF Switch	DC/DC Boost Converter	Battery Management
Video Buffer	Level Shifter	ESD Protection	DC/DC Buck-Boost Converter	Battery Protection
Line Driver	Logic IC	MOSFET	BL/Flash WLED Driver	Motor Driver
Temperature Sensor			AMOLED Bias	MOSFET Driver

- **Innovative DCDC Architectures**
 - *“Turbo” Adaptive Constant Off-Time, SIMO, Multi-Phase DC-DC*
- **Ultra Low Power Analog ICs for Portable Devices**
 - *Nano-power: 400nA Buck/Boost, 300nA OPA, 295nA comparator*
 - *1uA low power LDO*
 - *Tick-tack power saving, IN-OVP, etc.*
- **High Performance High Precision Low Noise OpAmp**
 - *5μV (max) Vos OPA; 1.6nV/√Hz OPA; 4ns comparator*
 - *Current feedback amplifier, Logarithmic amplifier, 3A output amplifier*
- **High Precision High Speed ADC/DAC**
 - *16-bit 1Msps SAR ADC; 24-bit 60ksps Delta-Sigma ADC with 64x PGA*
- **Battery Charger & Protection**
 - *20V, 5A buck switching charger with power path management*
- **Motor Driver & MOSFET Driver ICs**
 - *3-Phase 45V 3A BLDC motor driver; 5V/7A 1ns (@1.8nF cap) MOSFET Driver*
- **High PSRR Low Noise LDO**
 - *Low noise, high PSRR (92dB @1kHz, 40dB @1MHz) and quick load transient LDO for RF & image sensor*
- **Voltage Reference:** 0.15% accuracy
- **Temperature Sensor:** +/- 0.5°C accuracy

Packaging Technology



Quality Policy

Advanced Technology

Reliable Quality

Customer Satisfaction

Continuous Improvement

Quality System Roadmap



ISO9001:2015



ISO14001:2015

■ Foundries

- **TSMC:** Process node: 0.5μm ~ 90nm
- Dongbu High-Tech, TowerSemi, SMIC

■ Assembly Houses

- **JCET:** Jiangyin, Jiangsu, China
- **JCAP:** Jiangyin, Jiangsu, China
- **TFME:** Nantong, Jiangsu, China
- **Unisem:** Chengdu, Sichuan, China
- **Huatian:** Tianshui, Gansu, China
- **Carsem:** Suzhou, Jiangsu, China

■ Distribution

- 10+ distributors worldwide including Arrow, Avnet, WPI
- Lead Time: ~12 weeks with demand forecast

Thank You !

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