LATTICE SEMICONDUCTOR The Leader in Low Power, Small Form Factor, Secure FPGAs

ELATTICE SEMICONDUCTOR

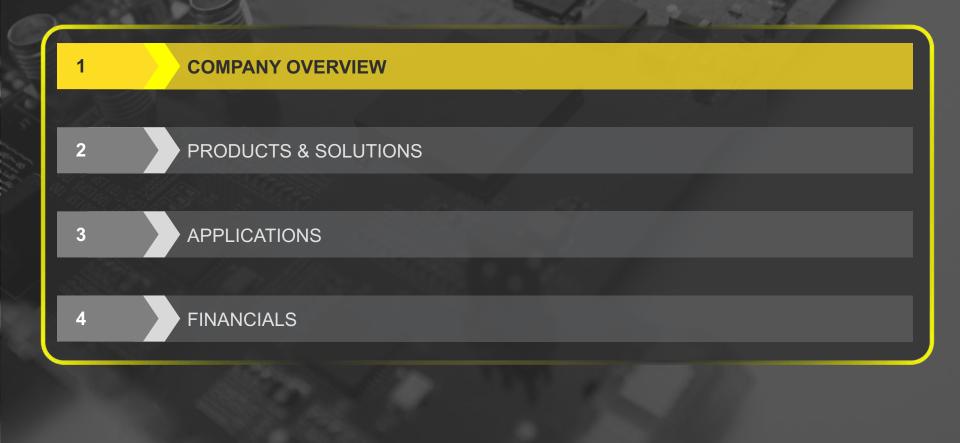
First Quarter, 2019

Safe Harbor

This presentation contains forward-looking statements that involve estimates, assumptions, risks and uncertainties, including all information under the heading 1Q 19 Business Outlook. Lattice believes the factors identified below could cause our actual results to differ materially from the forward-looking statements.

Factors that may cause our actual results to differ materially from the forward-looking statements in this presentation include global economic uncertainty, overall semiconductor market conditions, market acceptance and demand for our new and existing products, the Company's dependencies on its silicon wafer suppliers, the impact of competitive products and pricing, and technological and product development risks. In addition, actual results are subject to other risks and uncertainties that relate more broadly to our overall business, including those risks more fully described in Lattice's filings with the SEC including its annual report on Form 10-K for the fiscal year ended December 30, 2017 and its quarterly filings on Form 10-Q. Certain information in this presentation is identified as having been prepared on a non-GAAP basis. Management uses non-GAAP measures to better assess operating performance and to establish operational goals. Non-GAAP information should not be viewed by investors as a substitute for data prepared in accordance with GAAP.

You should not unduly rely on forward-looking statements because actual results could differ materially from those expressed in any forward- looking statements. In addition, any forward-looking statement applies only as of the date on which it is made. The Company does not intend to update or revise any forward-looking statements, whether as a result of events or circumstances after the date hereof or to reflect the occurrence of unanticipated events.



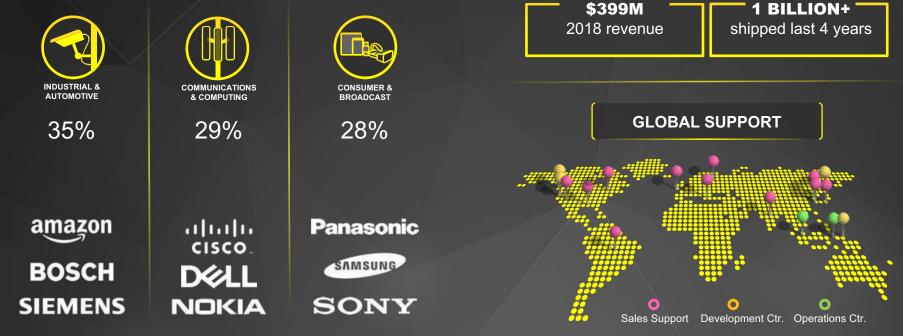
Lattice Semiconductor Overview

APPLICATIONS & MARKETS

Lattice is the leader in low to mid-range FPGAs enabling secure Control, flexible Connectivity, and low power Compute acceleration

WORLD CLASS SUPPLIER

In business and innovating for 35 years



Lattice Executive Leadership Team

Over a Century of Experience in Programmable Devices



Jim Anderson CEO

AMD: GM & SVP largest division Senior roles at Intel, LSI, Avago 20+ years semi experience



Esam Elashmawi Marketing & Strategy

Microsemi: SVP & GM 30+ years FPGA + semi experience



Mark Nelson Sales

Intel/Altera: VP & GM Worldwide Sales 30+ years FPGA + semi experience



Glenn O'Rourke Operations

Xilinx: CVP Supplier Mgmt. & Technology 30+ years FPGA + semi experience



Steve Douglass R&D

Xilinx: VP R&D, GM Virtex, CVP Tech Sales 30+ years FPGA + semi experience



Sherri Luther CFO

29+ years of strategic & operational finance experience



Byron Milstead General Counsel

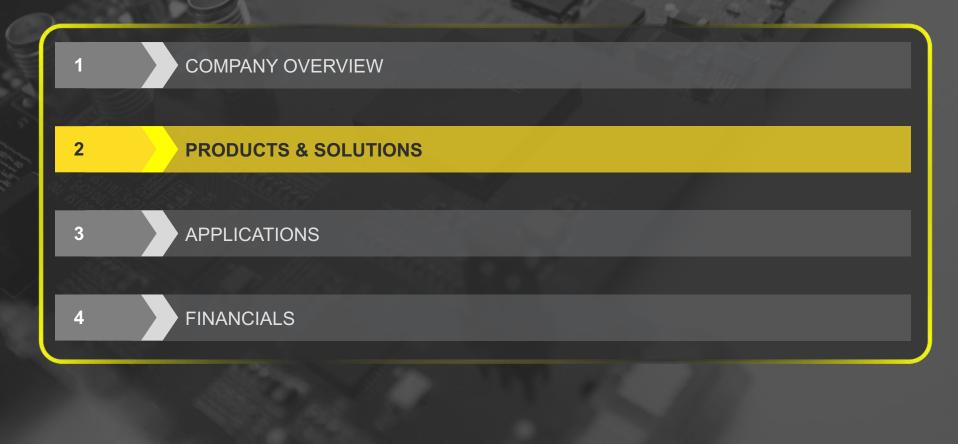
36+ years of global legal affairs experience



Chad Reese Human Resources

29+ years of strategic & operational human resources experience





Lattice Value Proposition

Compelling Features & Ease of Use



Lattice Product Leadership Low to Mid-range FPGAs Optimized for Low Power, Small Form Factor, & Security



Control PLDs ✓ 50% market share ✓ Highest IO density



MIPI connectivity FPGAs ✓ First FPGA with hardened MIPI D-PHY ✓ Highest performance at lowest power



Ultra-low power FPGAs ✓ Sleep current as low as 25uA ✓ World's most popular ultra-low power FPGA

ECP Family ✓ Up to 85K LUTs in 10x10 mm csfBGA
 ✓ Highest density & lowest power SERDES in smallest package





New Value Added Solutions

Security

AI & ML

Lattice sensAl

Full-featured AI inferencing

Low Power: 1mW to 1W
 FPGA Flexibility

 Complete Stack: modular hardware kits, neural network IP and compiler, reference designs, and custom solutions

Senski 100

Platform Firmware Resiliency

Platform security across the supply chain

DETECT

- Compliant with NIST SP 800-193 standard
 - Non-bypassable hardware Root-of-Trust FPGA
 - Secure hardware boot, attestation, on-boarding



RECOVER

Design Software

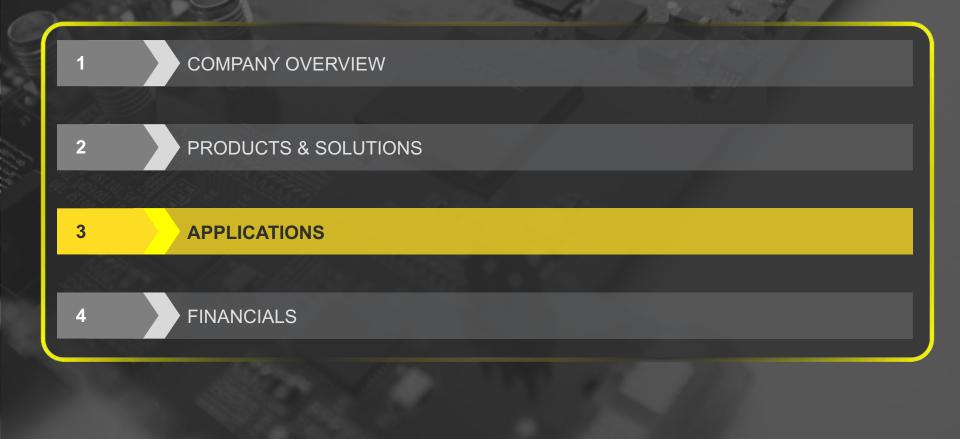
Radiant

Advanced ease-of-use

 ✓ Simplified Customer Design Process
 ✓ Unified Design Flow

Faster Design and Debug





Lattice Solves Communications Challenges

SCALABLE HARDWARE MANAGEMENT

MachXO3, EPC5, and ASC based power management in 5G based stations and remote radio heads

SECURE CONTROL

System firmware protection in switches, routers and wireless infrastructure with a Root-of-Trust FPGA

ASIC BRIDGING

Low power MachXO3 and ECP5 based ASIC bridging and I/O expansion in small cells and remote radio heads

PCIe BRIDGING

ECP5 based PCIe bridging in enterprise routers and switches



Lattice Solves Data Center Challenges

PLATFORM FIRMWARE RESILIENCE

NIST standard compliant PFR with Sentry



I/O rich MachXO3 to control many signals, non-volatile for quick boot-up

COMPUTE ACCELERATION

High DRAM bandwidth in limited thermal footprint with ECP5 based acceleration cards

POWER SEQUENCING

Platform Manager integrates multiple chips to save costs



Lattice Solves Industrial Challenges

MOTOR CONTROL

Scalable PWM control and current loop processing with ECP5, LatticeXP2, & MachXO3

> SECURE PLC CONTROL

System firmware protection in PLCs with a Root-of-Trust FPGA

COLLISION AVOIDANCE

ECP5 based low power collision avoidance for autonomous robots

SENSOR BRIDGING

Sensor bridging in Industrial IoT with MachXO3, iCE40 UltraPlus and CrossLink



Lattice sensAl based machine vision for defects detection

Lattice Solves Automotive Challenges

And a set of the set o

"A physical sectors and and a sector and a sector a sector and a sector a secto

corratos claties

States and States

ISO26262 certified Diamond development tools and IP for functional safety

FUNCTIONAL

SAFETY

INFOTAINMENT DISPLAY BRIDGING

Embedded DisplayPort and HDMI display bridging with ECP5 and HDMI ASSPs

360° SURROUND VIEW

ECP5 based low power image stitching and fish eye correction

ADAS SENSOR BRIDGING

CrossLink and ECP5 based radar, LiDAR and image sensor bridging



Lattice Solves Portable Challenges

SMART SPEAKERS

Microphone bridging and aggregation using small form factor iCE40 FPGAs

HOME SECURITY SURVEILLANCE

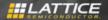
Low power human presence detection with sensAI stack

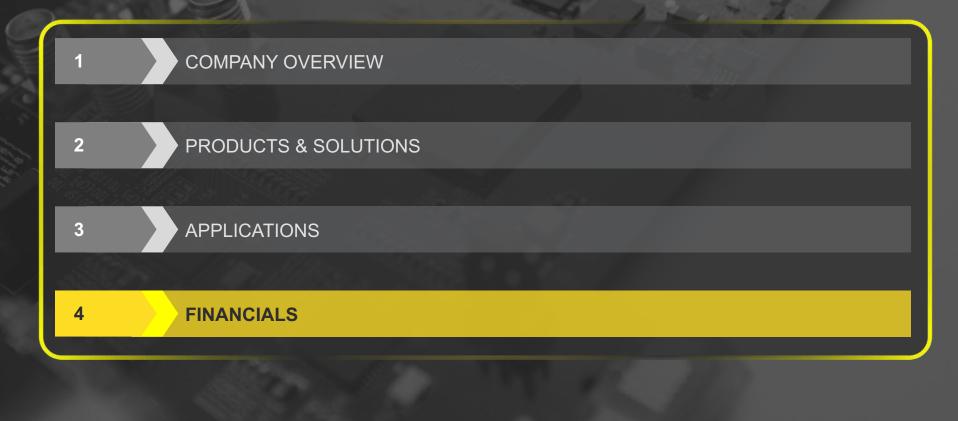
AV / VR DRONES

Multi-sensor bridging with iCE40 and CrossLink FPGAs

VIDEO CONFERENCING

ECP5 based human counting for smart video conferencing





Financial Highlights P&L (\$M)

		Z						
Non-GAAP	FY17	1Q18	2Q18	3Q18	4Q18	FY18	1Q19 Business Outlook	
Revenue	\$385.9	\$98.6	\$102.7	\$101.5	\$96.0	\$398.8	\$94-98	
GM	56%	58%	57%	57%	57%	57%	55.5-59.5%	
R&D	98.1	21.7	20.2	18.2	17.9	\$78.1	¢27.20	
SG&A	84.2	23.7	19.7	20.2	19.1	\$82.7	\$37-39	
Net Income	\$13.6	\$6.1	\$12.4	\$13.8	\$11.1	\$43.4		

Balance Sheet (\$M)

	4Q17	1Q18	2Q18	3Q18	4Q18
Cash & short- term investments	\$111.8	\$111.5	\$105.8	\$117.5	\$128.7
Total long-term debt	301.2	300.8	290.2	275.1	\$259.6



LATTICE SEMICONDUCTOR The Leader in Low Power, Small Form Factor, Secure FPGAs

ELATTICE SEMICONDUCTOR

First Quarter, 2019