The Low Power Programmable Leader

Second Quarter, 2020
Safe Harbor

This presentation contains forward-looking statements that involve estimates, assumptions, risks and uncertainties, including statements relating to our expectations about our systems solutions’ offerings under the heading “Future”.

Factors that may cause actual results to differ materially from the forward-looking statements in this presentation include 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 28, 2019 and quarterly filings.

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.
Agenda

1. Company Overview
2. Products & Solutions
3. End-Markets & Applications
4. Financials
Lattice Semiconductor Overview

APPLICATIONS & MARKETS
We enable secure control, flexible connectivity, and low power compute acceleration

- COMMUNICATIONS & COMPUTING: 39%
- INDUSTRIAL & AUTOMOTIVE: 37%
- CONSUMER & BROADCAST: 24%

GLOBAL SUPPORT
Sales Support  Development Ctr.  Operations Ctr.

WORLD CLASS SUPPLIER
In business and innovating for 35 years

- #1 World’s largest volume supplier of FPGA
- 1 BILLION+ shipped last 4 years

Best SER
Industry Leading Reliability

28nm FDSOI SER
- 65nm Bulk
- 45nm Bulk
- 28nm Bulk: 122 Fit/Mb
- 28nm FD: 1.3 Fit/Mb

NASDAQ: LSCC - 5
Lattice Executive Leadership Team

Jim Anderson
CEO

Mark Nelson
Sales

Esam Elashmawi
Marketing & Strategy

Steve Douglass
Research & Development

Glenn O’Rourke
Operations

Sherri Luther
CFO

Byron Milstead
General Counsel

Terese Kemble
Human Resources
Agenda

1. Company Overview
2. Products & Solutions
3. End-Markets & Applications
4. Financials
Lattice Value Proposition

- Highest SECURITY
- Smallest SIZE
- Lowest POWER
- Reliable by Design
- Ease of Use
Lattice Product Portfolio

BROAD FAMILY OF LOW POWER FPGAs

GENERAL PURPOSE

Addresses a broad range of applications across multiple markets

- Lowest power and smallest package (6 x 6 mm) with 5G PCIe & GigE support
- Up to 150K LUTs with significant compute under 1 W and lowest power 5G SERDES

FPGA FAMILIES TAILORED FOR SPECIFIC NEEDS

VIDEO CONNECTIVITY

- Optimized for high speed video and sensor applications

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

ULTRA LOW POWER

- World’s lowest power FPGAs; Optimized for small form factor

  - Static current as low as 25 uA
  - World’s most popular ultra-low power FPGA

CONTROL & SECURITY

- Optimized for platform management & security applications

  - 50% market share
  - Highest I/O density
LATTICE NEXUS

Next Generation FD-SOI FPGA Platform

- Low power leadership
- Edge computing ready
- Robust and reliable
- Smallest form factor
- Faster innovation cadence
Lattice Nexus is Changing the FPGA Landscape

**POWER**
- Operating Power Consumption
  - Competition
  - Lattice
  - Up to 75% Lower power

**PERFORMANCE**
- Video Connectivity
  - Competition
  - Lattice
  - Up to 2x Faster speed

**RELIABILITY**
- Soft Error Rate
  - Competition
  - Lattice
  - Up to 100x Lower SER

Note: comparing similar class competitive devices
Lattice’s Expanded System Solutions

**TODAY**
- Vision Solutions Stack
- AI Solutions Stack
- Soft IP
- Lattice Radiant SW

**FUTURE**
- More Solutions Stacks
- Security Solutions Stack
- Vision Solutions Stack
- AI Solutions Stack
- Soft IP
- Lattice Radiant SW

Bringing Additional Value to Our Customers
New Low Power Silicon

CrossLink-NX
- Embedded Vision Processing
- Built on the Lattice Nexus Platform
- Optimized Low Power Architecture
- Available now

MachXO3D
- Robust Platform Security
- Secure Hardware
- Designed for NIST Compliance
- Available now

Certus-NX
- General Purpose Processing
- Built on the Lattice Nexus Platform
- Lowest power & smallest package with 5G PCIe
- Customer samples delivered
### New Value-Added Solutions and Software

<table>
<thead>
<tr>
<th>Lattice mVision</th>
<th>Lattice sensAI</th>
<th>Lattice Radiant</th>
<th>Lattice Propel</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Low Power Embedded Vision</strong></td>
<td><strong>Low Power Edge AI</strong></td>
<td><strong>Advanced Ease-of-use</strong></td>
<td><strong>Easy Processor System Design</strong></td>
</tr>
<tr>
<td>Flexible Image Sensor Bridging and Aggregation</td>
<td>High Performance Inferencing Under 1W</td>
<td>Simplified Flow for Faster Design</td>
<td>IP System Integration Environment</td>
</tr>
<tr>
<td>Image Processing Integration</td>
<td>Supports Industry Standard ML Frameworks</td>
<td>Increase Re-use with IP Tools</td>
<td>Software Development Kit &amp; Libraries</td>
</tr>
<tr>
<td>Complete Solution Enablement</td>
<td>Complete Solution Enablement</td>
<td>Leading Synthesis &amp; Simulation</td>
<td>Build, Compile, Analyze, Debug</td>
</tr>
</tbody>
</table>
Agenda

1. Company Overview
2. Products & Solutions
3. End-Markets & Applications
4. Financials
Positioned in Growing End Markets

Only Lattice is investing in small, low power FPGAs for these markets

- COMMUNICATIONS
  - 5G Wireless
  - Switches/Routers

- COMPUTE
  - Servers
  - Client

- INDUSTRIAL
  - Industrial IoT
  - Factory Automation

- AUTOMOTIVE
  - ADAS
  - Infotainment

- CONSUMER
  - Smart Home
  - Wearables
Lattice Solves Communications Challenges

SCALABLE HARDWARE MANAGEMENT

SECURE CONTROL

ASIC BRIDGING

PCle BRIDGING
Lattice Solves Data Center Challenges

- PLATFORM FIRMWARE RESILIENCE
- SYSTEM CONTROL
- COMPUTE ACCELERATION
- POWER SEQUENCING
Lattice Solves Industrial Challenges

- Programmable Logic Controller
- Collision Avoidance
- Sensor Bridging
- Motor Control
- Predictive Maintenance
- Package Detection
- Functional Safety
- Industrial Networking
- Machine Vision

Lattice Solves Industrial Challenges
Lattice Solves Automotive Challenges

- EV CAR
  - Motor Control
  - IGBT Protection
- E-MIRROR
  - De-Fog
  - ISP
- INFOTAINMENT
  - Audio Bridging
  - Display Bridging
  - Driver Monitoring
  - 360° Surround View
- ADAS
  - Image Sensor Bridging and Aggregation
  - Radar Sensor Bridging and Aggregation

Lattice Solves Automotive Challenges
Lattice Solves Consumer Challenges

High end Projectors
Smart Light
Smart Thermostat
Smart Appliances
Residential Security
Drones
AR / VR
Sound Bars
Smart Speakers
Agenda

1. Company Overview
2. Products & Solutions
3. End-Markets & Applications
4. Financials
Financial Highlights

**Revenue ($M)**
- 2Q19: 102.3
- 3Q19: 103.5
- 4Q19: 100.2
- Q1'20: 97.3

**Cash ($M)**
- 2Q19: 122.6
- 3Q19: 97.4
- 4Q19: 118.1
- Q1'20: 176.6

**Net Income ($M)**
- Non-GAAP
  - 2Q19: 21.1
  - 3Q19: 22.9
  - 4Q19: 22.9
  - Q1'20: 20.2

**Debt ($M)**
- 2Q19: 189.5
- 3Q19: 156.4
- 4Q19: 146.5
- Q1'20: 192.3
The Low Power Programmable Leader