Corporate Overview

May 2023
Safe Harbor Statement

This presentation contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 that involve estimates, assumptions, risks and uncertainties. Any statements about our expectations, beliefs, plans, objectives, assumptions or future events or performance are not historical facts and may be forward-looking. Such forward-looking statements include, but are not limited to, statements relating to new greenfield growth opportunities; our market position; our product portfolio expansion; our ability to solve customer challenges; and growth in our customer base. Other forward-looking statements may be indicated by words such as “will,” “could,” “should,” “would,” “may,” “expect,” “plan,” “project,” “anticipate,” “intend,” “forecast,” “future,” “believe,” “estimate,” “predict,” “propose,” “potential,” “continue” or the negative of these terms or other comparable terminology. Factors that may cause actual results to differ materially from the forward-looking statements in this presentation include global economic conditions which may affect customer demand, pricing and inflationary pressures, competitive actions, and international trade disputes and sanctions, the on-going Covid-19 pandemic and those risks more fully described in Item 1A in the Company’s Annual Report on Form 10-K for the fiscal year ended December 31, 2022, and as may be supplemented from time-to-time in Lattice’s other filings with the Securities and Exchange Commission, all of which are expressly incorporated herein by reference. You should not unduly rely on forward-looking statements because actual results could differ materially from those expressed in any forward-looking statement. 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.

Use of non-GAAP Financial Information

To supplement the Company’s financial statements presented on a GAAP basis, the company has provided non-GAAP financial information in this presentation, including non-GAAP gross margin, earnings per share, operating profit, and operating expenses. Non-GAAP financial information is not meant as a substitute for GAAP results but is included because management uses such information to evaluate and manage the company and believes such information is useful to our investors for informational and comparative purposes. These non-GAAP measures should be considered in addition to, and not as a substitute for, the results prepared in accordance with GAAP. See appendix in Q1’23 and FY’22 earnings reports for reconciliation to most comparable GAAP measure.
Our Mission

The Low Power Programmable Leader
Lattice Semiconductor Overview

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

COMMUNICATIONS & COMPUTING
43%
INDUSTRIAL & AUTOMOTIVE
48%
CONSUMER
9%

APPLICATIONS & MARKETS percentages based on FY2022 revenue breakdown by reporting segment.

GROWING CUSTOMER BASE

GLOBAL SUPPORT

WORLD CLASS SUPPLIER

#1
World’s largest volume supplier of FPGA

Tier 1
Supplier with 40 years of innovation

Applications & Markets percentages based on FY2022 revenue breakdown by reporting segment.
Lattice Executive Leadership Team

Jim Anderson
CEO

Sherri Luther
CFO

Mark Nelson
Sales

Esam Elashmawi
Strategy & Marketing

Steve Douglass
Research & Development

Glenn O’Rourke
Operations & Quality

Tracy Feanny
General Counsel

Terese Kemble
Human Resources

Denis Lavallee
Mirametrix
Holding Ourselves to the Highest ESG Standards

Committed to Sustainable Business Practices

CULTURE OF INNOVATION

ENVIRONMENTALLY CONSCIOUS

INCLUSION & SOCIAL WELLBEING

TRANSPARENCY & INTEGRITY

More information available here.
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 FPGA Portfolio

PLATFONGM | DEVCCE FAMILIES

LATTICE AVANT™

LATTICE NEXUS

SOLVING KEY CHALLENGES AT THE EDGE

- PROCESSING DATA
- ARTIFICIAL INTELLIGENCE

- MachXO5T
- MachXO5T-NX
- Advanced System Control
- Enhanced System Monitor and Control
- Advanced General Purpose Processing
- Next Gen Hardware Security
- General Purpose Processing
- Embedded Vision Processing

- CrossLink-NX
- Certus-NX
- Mach-NX
- CertusPro-NX

Lattice Semiconductor (NASDAQ: LSCC)
FPGA PLATFORM LEADERSHIP

LATTICE NEXUS™
Architected for applications requiring up to 10G SERDES and up to 100k LCs

LATTICE AVANT™
Architected for applications requiring up to 25G SERDES and up to 500k LCs

- LOWER POWER
- FASTER PERFORMANCE
- SMALLER SIZE
## Software Solution Stack Portfolio

<table>
<thead>
<tr>
<th>Lattice Semiconductor (NASDAQ: LSCC)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Low Power</strong></td>
</tr>
<tr>
<td><strong>Edge AI</strong></td>
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<tr>
<td>High Performance Inferencing Under 1W</td>
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<tr>
<td>Supports Industry Standard ML Frameworks</td>
</tr>
<tr>
<td>Complete Solution Enablement</td>
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<tr>
<td><strong>Low Power</strong></td>
</tr>
<tr>
<td><strong>Embedded Vision</strong></td>
</tr>
<tr>
<td>Flexible Image Sensor Bridging &amp; Aggregation</td>
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<tr>
<td>Image Processing Integration</td>
</tr>
<tr>
<td>Complete Solution Enablement</td>
</tr>
<tr>
<td><strong>Cyber Resilient</strong></td>
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<tr>
<td><strong>Root of Trust</strong></td>
</tr>
<tr>
<td>Secure Hardware Creates Root-of-Trust for Systems</td>
</tr>
<tr>
<td>Cryptographically Secured Supply Chain</td>
</tr>
<tr>
<td>Protection Against Cloning, Counterfeiting, Trojan Insertion, &amp; Simulation</td>
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<tr>
<td><strong>Accelerating Factory</strong></td>
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<tr>
<td><strong>Automation</strong></td>
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<tr>
<td>Accelerates industrial automation development</td>
</tr>
<tr>
<td>Supports use cases like motor control, real-time networking, &amp; predictive maintenance</td>
</tr>
<tr>
<td>Complete solution enablement</td>
</tr>
<tr>
<td><strong>Enabling ORAN</strong></td>
</tr>
<tr>
<td><strong>Deployment</strong></td>
</tr>
<tr>
<td>Enables zero trust security and data protection in networks</td>
</tr>
<tr>
<td>Flexible, Tight Fronthaul Synchronization</td>
</tr>
<tr>
<td>Acceleration with Low Power</td>
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Leadership Computer Vision Capabilities

MIRAMETRIX™

Presence Detection
Depth Sensing
3D Head & Gesture Tracking
Face ID & Landmarks Tracking
Eye Feature Detection & Tracking
Human Skeleton Detection
Object Detection

Advanced AI Technology for the Edge
Easy-to-use Software Tools

Lattice DIAMOND™ Design Software
- Powerful FPGA Design & Verification Environment
  - Easy Design Exploration
  - Easy to Use Powerful Tools
  - Optimized for Lattice Devices

LATTICE RADIANT™ Design Software
- Best-in-class, Easy-to-use Design Software
  - Simplified Flow for Faster Design
  - Increase Re-use with IP Tools
  - Leading Synthesis & Simulation

LATTICE PROPEL™
- Complete Toolset for Embedded System Design
  - IP System Integration Environment
  - Software Development Kit & Libraries
  - Build, Compile, Analyze, Debug

Glance
- Advanced Computer Vision Software for the Edge
  - Security and Privacy Protections
  - Digital Wellbeing Capabilities
  - Facilitates Intelligent Collaboration & Productivity
RAPID PRODUCT PORTFOLIO EXPANSION

SOFTWARE SOLUTIONS

HARDWARE DEVICES

AVAILABLE TODAY

2023

2024+

Avant-E

Avant #2

Avant #3

Avant #4

Avant #N

MachXO5-NX

Nexus #7

Nexus #8

Nexus #N

LAUNCHED Q2

TO BE ANNOUNCED

Dates subject to change.
Agenda

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

COMMUNICATIONS
- 5G Wireless Switches/Routers

COMPUTING
- Servers
- Client

INDUSTRIAL
- Industrial IoT
- Factory Automation

AUTOMOTIVE
- ADAS
- Infotainment

CONSUMER
- Smart Home
- On-the-Go

Leading the Industry in Low Power Programmability
Lattice Solves Communications Challenges

Scalable Hardware Management

Secure Control

5G ORAN

Datapath

ASIC Bridging

PCIe Bridging
Lattice Solves Client Computing Challenges

AI Capable
Aware of surrounding
User detection & wellness

Seamless Interfacing
MIPI bridging
Sensor fusion

Enhanced Security
Platform Firmware Resilience

Small Form Factor
Single wire aggregation

Client Computing is a Greenfield Opportunity for Lattice
Lattice Solves Datacenter Challenges

- Platform Firmware Resilience
- Card Interface
- System Control
- Disaggregation
- Compute Acceleration
- Power Sequencing
Lattice Solves Industrial Challenges

- Industrial Networking
- Programmable Logic Controller
- Motor Control
- Machine Vision
- Sensor Bridging
- Functional Safety
- Edge Computing
- Touchless Control
- Predictive Maintenance
- Object Identification
- Collision Avoidance
- Predictive Maintenance
Lattice Solves Automotive Challenges

**INFOTAINMENT**
- De-Fog
- 360° Surround View
- Display Bridging
- ISP

**ADAS**
- Radar Sensor Bridging & Aggregation
- Image Sensor Bridging & Aggregation

**HYBRID/ELECTRIC**
- Inverter / Charger

**IN-CABIN AI**
- Human Presence Detection
- Driver Monitoring

**SECURITY**
- Secure Battery Mgt.
- Secure Boot
Lattice Solves Consumer Challenges

- Drones
- AR / VR
- Smart Speaker
- Video Surveillance
- Wearable
- Smart Appliance
- Consumer Robots
- Smart Doorbell
- Smart Toys
- Smart Appliance
- Consumer Robots
- Smart Doorbell
- Smart Toys
Agenda

1. Company Overview
2. Products & Solutions
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4. Financials
Lattice Semiconductor Q1 2023 Earnings Results Highlights

Our strong growth and customer momentum continued into the first quarter of 2023 with a 22% year-over-year increase in revenue. We drove 55% year-over-year growth in net income on a GAAP basis and 36% on a non-GAAP basis. While we’re not immune to macro-economic challenges impacting the industry, we have Lattice-specific growth drivers, which position us well for long-term growth in our core markets.

Jim Anderson, President & CEO

Record quarterly revenue of $184.3M

End Market Overview

- **INDUSTRIAL & AUTOMOTIVE**: Up 55% YoY, 21% QoQ
- **COMMS & COMPUTING**: Up 4% YoY, Down 9% QoQ

Recent Product & Corporate Momentum

- Introduced MachXO5T-NX, the sixth device family built on the Lattice Nexus™ platform
- Launched latest versions of Lattice Automate™, Lattice sensAI™, and Lattice ORAN™ solution stacks
- Received multiple awards for industry and innovation leadership
- Hosting 2023 Analyst & Investor Day on May 15, 2023

$0.51 in Q1 2023 vs $0.37 in Q1 2022

Non-GAAP based on earnings reported May 1, 2023
Q1 2023 Financial Highlights

REVENUE ($M)

<table>
<thead>
<tr>
<th>Quarter</th>
<th>1Q20</th>
<th>2Q20</th>
<th>3Q20</th>
<th>4Q20</th>
<th>1Q21</th>
<th>2Q21</th>
<th>3Q21</th>
<th>4Q21</th>
<th>1Q22</th>
<th>2Q22</th>
<th>3Q22</th>
<th>4Q22</th>
<th>1Q23</th>
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<tbody>
<tr>
<td>Revenue</td>
<td>97.3</td>
<td>100.6</td>
<td>103.0</td>
<td>107.2</td>
<td>115.7</td>
<td>125.9</td>
<td>131.9</td>
<td>141.8</td>
<td>150.5</td>
<td>161.4</td>
<td>172.5</td>
<td>176.0</td>
<td>184.3</td>
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</table>

+22% Revenue Growth YoY

GROSS MARGIN (%)

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<tr>
<th>Quarter</th>
<th>1Q20</th>
<th>2Q20</th>
<th>3Q20</th>
<th>4Q20</th>
<th>1Q21</th>
<th>2Q21</th>
<th>3Q21</th>
<th>4Q21</th>
<th>1Q22</th>
<th>2Q22</th>
<th>3Q22</th>
<th>4Q22</th>
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<tbody>
<tr>
<td>GM</td>
<td>59.8%</td>
<td>61.3%</td>
<td>61.5%</td>
<td>61.6%</td>
<td>61.7%</td>
<td>62.1%</td>
<td>63.6%</td>
<td>65.1%</td>
<td>67.7%</td>
<td>69.1%</td>
<td>70.0%</td>
<td>70.3%</td>
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+260 bps Gross Margin Expansion YoY

OPERATING PROFIT (%)

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<tr>
<th>Quarter</th>
<th>1Q20</th>
<th>2Q20</th>
<th>3Q20</th>
<th>4Q20</th>
<th>1Q21</th>
<th>2Q21</th>
<th>3Q21</th>
<th>4Q21</th>
<th>1Q22</th>
<th>2Q22</th>
<th>3Q22</th>
<th>4Q22</th>
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<tbody>
<tr>
<td>OP</td>
<td>22.7%</td>
<td>24.9%</td>
<td>26.5%</td>
<td>26.6%</td>
<td>28.0%</td>
<td>29.1%</td>
<td>30.4%</td>
<td>32.9%</td>
<td>36.3%</td>
<td>39.7%</td>
<td>40.2%</td>
<td>41.0%</td>
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+470 bps Operating Profit Growth YoY

EARNINGS PER SHARE ($)

<table>
<thead>
<tr>
<th>Quarter</th>
<th>1Q20</th>
<th>2Q20</th>
<th>3Q20</th>
<th>4Q20</th>
<th>1Q21</th>
<th>2Q21</th>
<th>3Q21</th>
<th>4Q21</th>
<th>1Q22</th>
<th>2Q22</th>
<th>3Q22</th>
<th>4Q22</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPS</td>
<td>0.15</td>
<td>0.17</td>
<td>0.19</td>
<td>0.19</td>
<td>0.22</td>
<td>0.25</td>
<td>0.28</td>
<td>0.32</td>
<td>0.37</td>
<td>0.42</td>
<td>0.49</td>
<td>0.51</td>
</tr>
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</table>

+37% EPS Growth YoY

Non-GAAP based on earnings reported May 1, 2023
Strong Financial Execution

- **REVENUE**
  - Growth in Core Strategic Markets

- **GROSS MARGIN**
  - Gross Margin Expansion

- **OPERATING INCOME**
  - Record Operating Income

- **EARNINGS PER SHARE**
  - EPS Expansion

- **OPEX**
  - OpEx Discipline

- **NET CASH**
  - Positive Net Cash Position

*Percentages based on non-GAAP basis. See appendix in FY’22 earnings report for reconciliation to most comparable GAAP measure.*