Corporate Overview

April 2024
Safe Harbor Statement

Forward Looking Statements

This presentation may contain forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 and made pursuant to the safe harbor provisions of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. These statements 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," "possible," "potential," "continue," "ongoing," 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, the cyclical nature of the semiconductor industry, pricing and inflationary pressures, competitive actions, international trade disputes and sanctions, and the potential impact of global pandemics, and other significant risks and uncertainties that are beyond our ability to predict or control, including those risks more fully described in our filings with the Securities and Exchange Commission, including Item 1A in Lattice’s most recent Annual Report on Form 10-K, especially those under the captions “Risk Factors” and “Management's Discussion and Analysis of Financial Condition and Results of Operations”, 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 statements. In addition, any forward-looking statement applies only as of the date on which it is made. We do not intend to, and undertake no obligation 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, we have provided non-GAAP financial information in this presentation, including non-GAAP gross margin, gross margin percentage, earnings per share, operating profit, R&D expense, SG&A expense, 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 the Appendix in our Q1’24 and FY’23 earnings reports for reconciliation to most comparable GAAP measure.

Trademarks – General Notice

Lattice Semiconductor Corporation, Lattice Semiconductor (© design) and specific product designations are either registered trademarks or trademarks of Lattice Semiconductor Corporation or its subsidiaries in the United States and/or other countries.
Agenda

1. Company Overview
2. Products & Solutions
3. End Markets & Applications
4. Financials
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: 35%

INDUSTRIAL & AUTOMOTIVE: 59%

CONSUMER: 6%

GROWING CUSTOMER BASE

Accton  amazon  BOSCH  BYD  Canon  Cisco  Dell  Ericsson  HP  Hewlett Packard Enterprise  Hitachi  Juniper Networks  Lenovo  Lockheed Martin  Microsoft  Nokia  Panasonic  Raytheon  Samsung  Schneider Electric  Siemens  Sony  ZTE

WORLD CLASS SUPPLIER

#1
World’s largest volume supplier of FPGA

Tier 1
Supplier with 40+ years of innovation

Applications & Markets percentages based on FY2023 revenue breakdown by reporting segment.
Lattice Executive Leadership Team

Jim Anderson
CEO

Sherri Luther
CFO

Pravin Desale
Research & Development

Esam Elashmawi
CSMO

Tracy Feanny
General Counsel

Terese Kemble
Human Resources

Denis Lavallee
Mirametrix

Mark Nelson
Sales

Glenn O’Rourke
Operations & Quality
Holding Ourselves to the Highest Corporate Stewardship Standards

CULTURE OF INNOVATION
The Low Power Programmable Leader

ENVIRONMENTALLY CONSCIOUS
Operational Excellence | Supply Chain Management

INCLUSION & SOCIAL WELLBEING
Our People | Our Communities | Our Culture

TRANSPARENCY & INTEGRITY
Governance Principles | Ethical Standards | Continuous Improvement

GSA MOST RESPECTED PUBLIC COMPANY FOUR YEARS IN A ROW

STRONG & GROWING RECOGNITION FOR CLEANTECH PRODUCT INNOVATION

More information available here.
Agenda

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

- Smallest SIZE
- Lowest POWER
- Highest SECURITY
- EASE of Use
- RELIABLE by Design
Lattice FPGA Portfolio

PLATFORM

LATTICE AVANT™

DEVELOPMENT FAMILIES

Avant-E
Edge-optimized Processing

Avant-G
Cutting-edge General Purpose Processing

Avant-X
Advanced Connectivity

LATTICE NEXUS

CrossLink-NX
Embedded Vision Processing

Certus-NX
General Purpose Processing

Mach-NX
Next Gen Hardware Security

CertusPro-NX
Advanced General Purpose Processing

MachXO5-NX
Enhanced System Monitor and Control

MachXO5T-NX
Advanced System Control

CrossLinkU-NX
Embedded Vision Processing with USB

10 | Lattice Semiconductor (NASDAQ: LSCC)
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
Software Solution Stack Portfolio

- **Low Power Edge AI**
  - High Performance Inferencing Under 1W
  - Supports Industry Standard ML Frameworks
  - Complete Solution Enablement

- **Low Power Embedded Vision**
  - Flexible Image Sensor Bridging & Aggregation
  - Image Processing Integration
  - Complete Solution Enablement

- **Cyber Resilient Root of Trust**
  - Secure Hardware Creates Root-of-Trust for Systems
  - Cryptographically Secured Supply Chain
  - Protection Against Cloning, Counterfeiting, Trojan Insertion, & Simulation

- **Accelerating Factory Automation**
  - Accelerates industrial automation development
  - Supports use cases like motor control, real-time networking, & predictive maintenance
  - Complete solution enablement

- **Enabling ORAN Deployment**
  - Enables zero trust security and data protection in networks
  - Flexible, Tight Fronthaul Synchronization
  - Acceleration with Low Power

- **Adaptable Automotive Design**
  - DisplayPort connectivity
  - Video scaling up to 4K
  - Local dimming for contrast enhancement
  - Bridging & networking
Leadership Computer Vision Capabilities

Advanced AI Technology for the Edge

Presence Detection
Depth Sensing
3D Head & Gesture Tracking
Face ID & Landmarks Tracking
Eye Feature Detection & Tracking
Human Skeleton Detection
Object Detection
Easy-to-use Software

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

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

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

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

SOFTWARE SOLUTIONS

MID-RANGE FPGAs

Avant-E
Avant-G
Avant-X
Avant #4
Avant #5
Avant #6

SMALL FPGAs

CrossLink-NX
Certus-NX
Mach-NX
CertusPro-NX
MachXO5T-NX
MachXO5T-NX
CrossLinkU-NX
Nexus #8

Note: 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**
- **Control Functions**
- **Datapath**
- **Security**
- **ASIC Bridging**
- **PCIe Bridging**
- **5G ORAN**
Lattice Solves Client Computing Challenges

- Computer Vision AI
- Enhanced Security
- Image Quality Improvement
- System Optimization

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

**HARDWARE ACCELERATION**
- Offload
- Attestation
- Reporting

**STORAGE CARD**
- Key Mgmt
- Hot Swap
- Hot Plug

**GPU CARD**
- Power Control
- Reporting
- Throttling

**MOTHERBOARD**
- (CPU Agnostic)

**SECURE CONTROL MODULE**
- BMC
- PROT / PFR
- Attestation

**NETWORK CARD**
- Power Control
- Reporting
- Offload

**ADD-IN CARDS**
- Control
- Bridging
- Aggregation

Bridging
- I/O Expansion
- Board Control
- Power Sequence
- Signal Aggregation
- Glue Logic
- Fan Control
- Re-Timer
Lattice Solves Industrial Challenges

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

Lattice Semiconductor (NASDAQ: LSCC)
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
- Consumer Robots
- Smart Doorbell
- Smart Appliance
- Smart Toys
Agenda

1. Company Overview
2. Products & Solutions
3. End Markets & Applications
4. Financials
Lattice Semiconductor Q1 2024 Earnings Results

“First quarter 2024 results came in as expected and reflect the near-term impact of cyclic industry headwinds. Despite near-term headwinds, the Company is well-positioned for the long-term as we execute on the largest product portfolio expansion in our history.”

Jim Anderson, President & CEO

End Market Overview

Q1’24 REVENUE BY SEGMENT (%)

<table>
<thead>
<tr>
<th>Segment</th>
<th>Q1’24 Revenue</th>
<th>YoY</th>
<th>QoQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMMS &amp; COMPUTING</td>
<td>53%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INDUSTRIAL &amp; AUTOMOTIVE</td>
<td>39%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CONSUMER</td>
<td>8%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Recurrent Product & Corporate Momentum

Lattice hardware and software power AI computer vision on new Dell Latitude models

Launched latest version of Lattice ORAN™ solution stack, adding new 5G datapath features

Enhanced Lattice Radiant software with expanded functional safety and reliability capabilities

Received multiple industry awards for company and product leadership

Non-GAAP based on earnings reported April 29, 2024

REVENUE

24% | 17.5%

YoY | QoQ

Quarterly revenue of $140.8M

GROSS MARGIN

69%

Declined by 130 bps YoY

EARNINGS PER SHARE

43%

YoY

$0.29 in Q1 2024 vs $0.51 in Q1 2023
Q1 2024 Financial Results

### Revenue ($M)

<table>
<thead>
<tr>
<th></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>
<th>2Q23</th>
<th>3Q23</th>
<th>4Q23</th>
<th>1Q24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revenue</td>
<td>173.3</td>
<td>104.6</td>
<td>103.6</td>
<td>107.2</td>
<td>115.7</td>
<td>131.9</td>
<td>141.6</td>
<td>150.5</td>
<td>161.4</td>
<td>172.5</td>
<td>164.3</td>
<td>186.1</td>
<td>195.2</td>
<td>170.6</td>
<td>143.5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**-24% Revenue Growth YoY**

### Gross Margin (%)

<table>
<thead>
<tr>
<th></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>
<th>2Q23</th>
<th>3Q23</th>
<th>4Q23</th>
<th>1Q24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross Margin</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>69.5%</td>
<td>70.0%</td>
<td>70.3%</td>
<td>70.6%</td>
<td>70.4%</td>
<td>69.0%</td>
<td></td>
</tr>
</tbody>
</table>

**-130 bps Gross Margin Expansion YoY**

### Operating Profit ($M)

<table>
<thead>
<tr>
<th></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>
<th>2Q23</th>
<th>3Q23</th>
<th>4Q23</th>
<th>1Q24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Profit</td>
<td>22.0</td>
<td>25.0</td>
<td>27.3</td>
<td>26.5</td>
<td>32.4</td>
<td>36.7</td>
<td>42.1</td>
<td>46.6</td>
<td>54.6</td>
<td>61.6</td>
<td>68.3</td>
<td>73.3</td>
<td>76.8</td>
<td>77.4</td>
<td>64.4</td>
<td>42.2</td>
<td></td>
</tr>
</tbody>
</table>

**-44% Operating Profit Growth YoY**

### Earnings per Share ($)

<table>
<thead>
<tr>
<th></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>
<th>2Q23</th>
<th>3Q23</th>
<th>4Q23</th>
<th>1Q24</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPS</td>
<td>0.15</td>
<td>0.19</td>
<td>0.19</td>
<td>0.19</td>
<td>0.23</td>
<td>0.25</td>
<td>0.32</td>
<td>0.37</td>
<td>0.42</td>
<td>0.46</td>
<td>0.49</td>
<td>0.51</td>
<td>0.53</td>
<td>0.53</td>
<td>0.45</td>
<td>0.29</td>
<td></td>
</tr>
</tbody>
</table>

**-43% EPS Growth YoY**

Non-GAAP based on earnings reported April 29, 2024.
Strong YoY Financial Execution

**Revenue**
- Growth in Core Strategic Markets
  - Consumer
  - Industrial & Auto
  - Comms & Computing

**Gross Margin**
- 2020: 61.0%
- 2021: 63.2%
- 2022: 69.1%
- 2023: 70.4%

**Earnings Per Share**
- 2020: $0.70
- 2021: $1.06
- 2022: $1.76
- 2023: $2.01

**Operating Income**
- 2020: 25.2%
- 2021: 30.2%
- 2022: 38.7%
- 2023: 39.8%

**Net Cash**
- 2020: $11.6M
- 2021: ($26.4M)
- 2022: $17.0M
- 2023: $128.3M

*Percentages based on non-GAAP basis. See appendix in FY23 earnings report from Feb. 12, 2024, for reconciliation to most comparable GAAP measure.*