

Safe Harbor

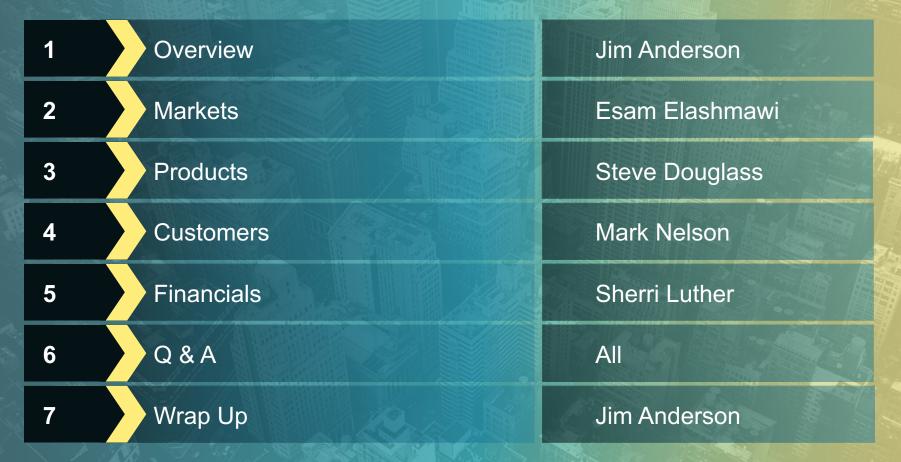
This presentation contains forward-looking statements that involve estimates, assumptions, risks and uncertainties, including statements relating to our expectations about the growth of our end markets, our belief that we will launch new products over the next 12 months, that we will accelerate profitable revenue growth, that we will expand our position in servers, that our SAM will grow to \$3 billion in 2022, that growth acceleration will be driven by our new platform, and our expectations regarding achievable results under the heading "Financial Priorities," including revenue growth, OpEx discipline, gross margin expansion, cash generation, profit expansion and leverage.

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 29, 2018 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





Overview



LATTICE

2019 FINANCIAL ANALYST DAY OVERVIEW

JIM ANDERSON

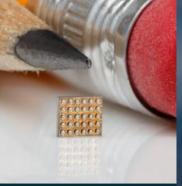
PRESIDENT & CEO





Lattice Opportunity





TECHNOLOGY







GROWING END MARKETS

Large Growing TAM Lowest Power New Usage Models **Smallest Size** High Value Solutions Easy to Use

DIFFERENTIATED

HIGH-GROWTH APPLICATIONS

5G Infrastructure

Edge AI & Compute

Platform Security

BROAD CUSTOMER RELATIONSHIPS

Position in Top OEMs Multi-generational

Diverse Customer Base

PROFIT GROWTH

Strong Business Model **Above Market Growth** Margin Expansion

Changes to Position Lattice for Success

FOCUSED STRATEGY



100% Focus on FPGA

STABLE GROWTH



Sustainable, Multi-year Revenue Streams

STRONGER ROADMAP



Faster Cadence; System Solutions

REVITALIZED CULTURE



Fast, Accountable, Performance Driven

FINANCIAL DISCIPLINE



Consistent Profitability and Cash Flow Expansion

RE-ENERGIZED TEAM



New Leadership with Deep Industry Expertise





Positioned in Growing End Markets











5G Wireless
Switches/Routers

Servers Client

Industrial IoT
Factory Automation

ADAS Infotainment Smart Home
Wearables

Large \$3B SAM with Multiple Secular Growth Drivers

Lattice Product Portfolio

BROAD FAMILY OF LOW POWER FPGAS

GENERAL PURPOSE



Addresses a broad range of applications across multiple markets

FPGA FAMILIES TAILORED FOR SPECIFIC NEEDS

VIDEO CONNECTIVITY



Optimized for high speed video and sensor applications

ULTRA LOW POWER



World's lowest power FPGAs; Optimized for small form factor

CONTROL & SECURITY

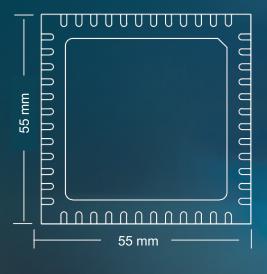


Optimized for platform management & security applications

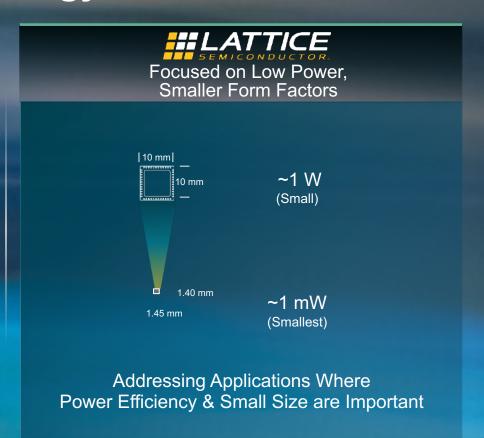
Differentiated Product Strategy

OTHER FPGA COMPANIES

Focused on Large, High Power Devices for Data Center Compute



~200 W With Heat Sink



Solving Problems at the Edge



AI & IoT

Al Inferencing at the Edge

VIDEO

Embedded Vision

SECURITY

Hardware Platform Security

5G INFRASTRUCTURE

Control & Management

AUTOMATION

Precision Robotic Motor Control



10 mm

1.45 mm

Strong and Diversified Sales Channels

STRONG POSITION WITH LEADING OEMS

Accton

Panasonic











CISCO





Google



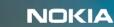
HITACHI













DIVERSE CUSTOMER BASE VIA DISTRIBUTION





ARROW ELECTRONICS, INC.













Diversified Global Footprint with Opportunity to Expand



Product Roadmap Investment



Focusing our Investment and Expanding our Solutions



New Products Over the Next 12 Months



New AI Capabilities

Launching Today



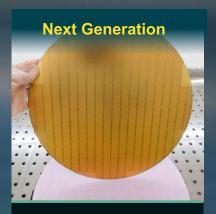
Robust Platform Security

Launching Today



Enhanced Video Bridging

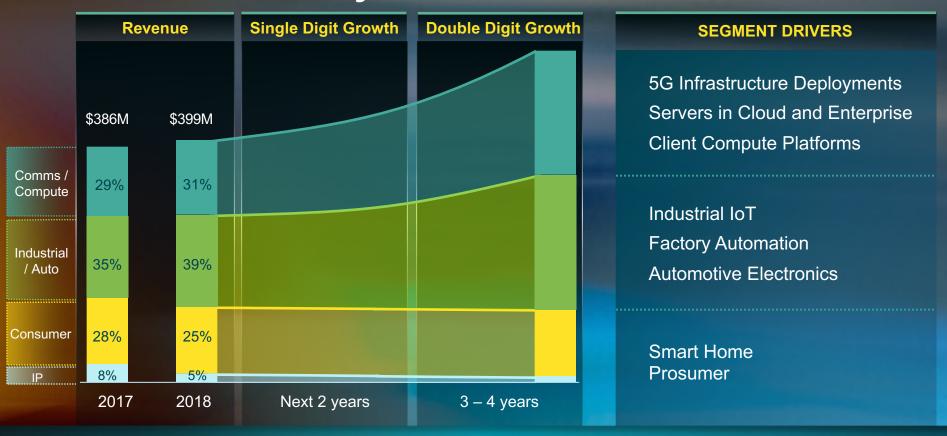
Sampling in H2 2019



Next Generation FPGA Platform

Sampling early 2020

Revenue Growth by End Markets



Accelerating Profitable Revenue Growth

Gross Margin Expansion



Driving Multiple Strategies for Gross Margin Expansion

Target Long Term Model



REVENUE GROWTH



GROSS MARGIN EXPANSION



OPEX DISCIPLINE



OPERATING PROFIT

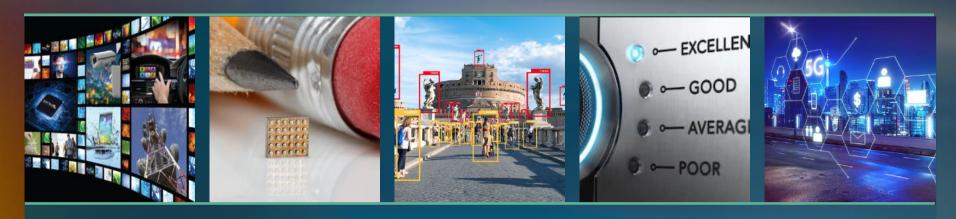
Low Double Digit

Over 62% GM

OpEx of 35%

25% to 30%

Positioned for Success



GROWING END MARKETS

DIFFERENTIATED TECHNOLOGY

HIGH-GROWTH APPLICATIONS

BROAD CUSTOMER RELATIONSHIPS

PROFIT GROWTH

Lattice Executive Leadership Team



Jim Anderson CEO

Overview



Esam Elashmawi Marketing & Strategy

Markets



Steve Douglass

Research & Development

Products



Mark Nelson Sales

Customers



Sherri Luther CFO

Financials



Glenn O'Rourke

Operations

Q&A

Lattice Executive Leadership Team



Jim Anderson CEO

Overview



Esam Elashmawi

Marketing & Strategy

Markets



Steve Douglass
Research & Development

Products



Mark Nelson Sales

Customers



Sherri Luther
CFO

Financials



Glenn O'Rourke
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LATTICE

2019 FINANCIAL ANALYST DAY MARKETS

ESAM ELASHMAWI

MARKETING & STRATEGY





FPGA Value Proposition









Faster Time to Market

Programmability and Tuning

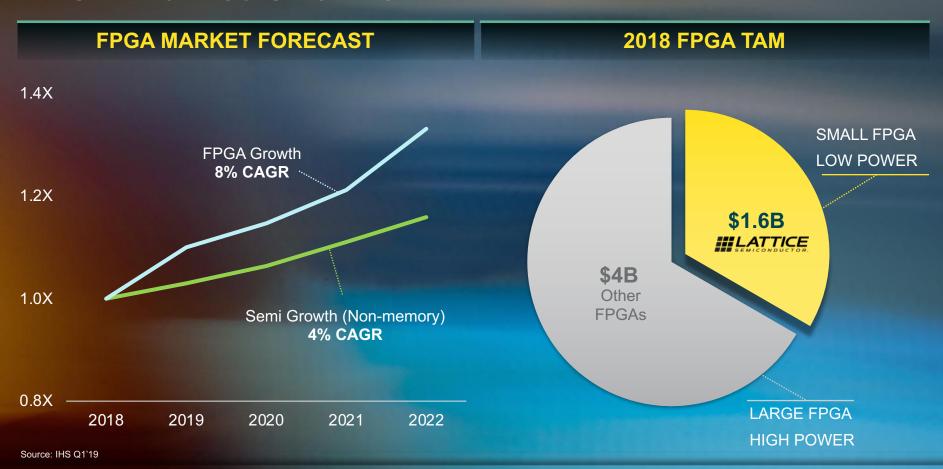
Personalization

Supply Chain Flexibility

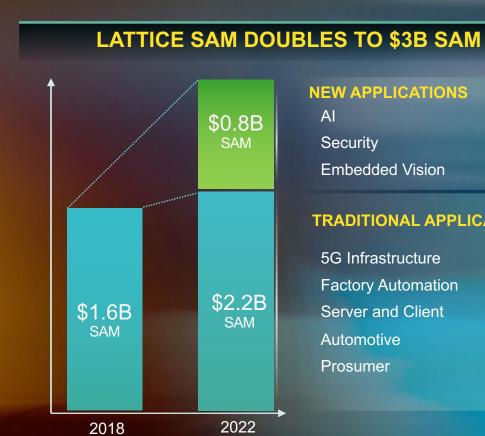
Evolving Standards

Parallel Processing

FPGA Market Overview



Lattice SAM Expansion



NEW APPLICATIONS

ΑI

Security

Embedded Vision

TRADITIONAL APPLICATIONS

5G Infrastructure

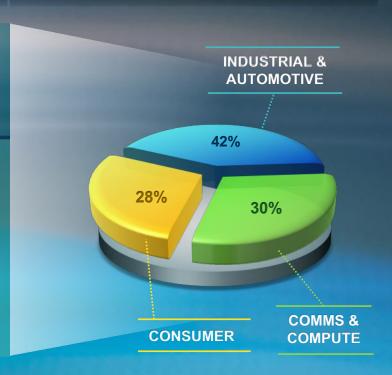
Factory Automation

Server and Client

Automotive

Prosumer

2022 SAM BY MARKETS



5G Industry Impact







COMMS & COMPUTE

INDUSTRIAL & AUTO

CONSUMER



Change Our Connected Experience

Drive Infrastructure
Content

Drive Re-fresh of Connected Devices

Lattice Content In 5G



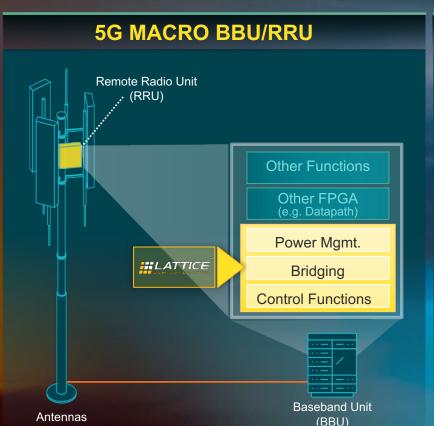


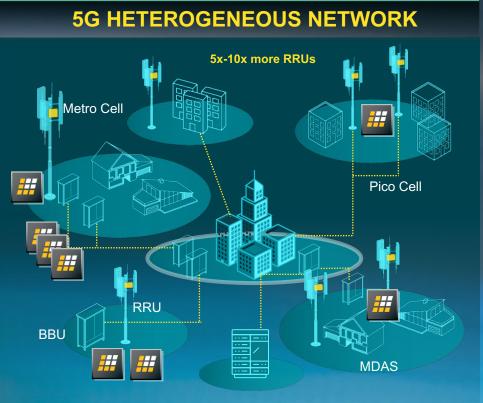


COMMS & COMPUTE

INDUSTRIAL & AUTO

CONSUMER





Content Increasing in 5G



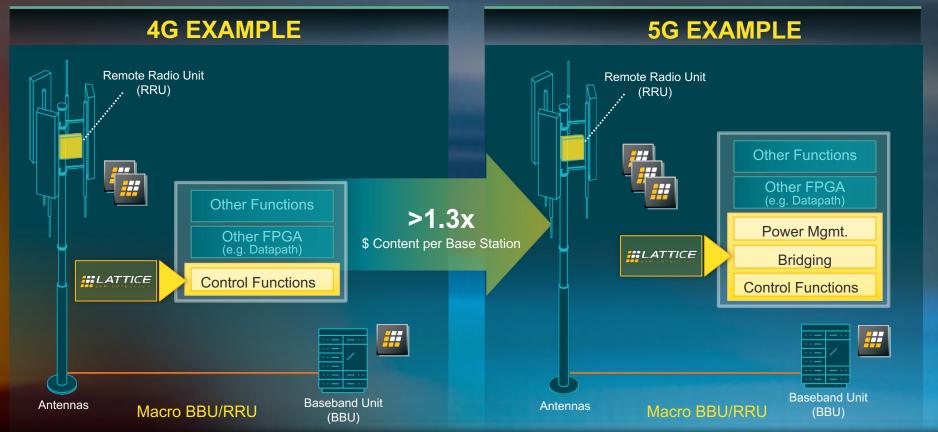




COMMS & COMPUTE

INDUSTRIAL & AUTO

CONSUMER



Datacenter Market







COMMS & COMPUTE

INDUSTRIAL & AUTO

CONSUMER



Age of Data and Processing

Datacenter Build-out

Hyperscaler Driving Change



Expanding Position In Servers

LATTICE



LATTICE

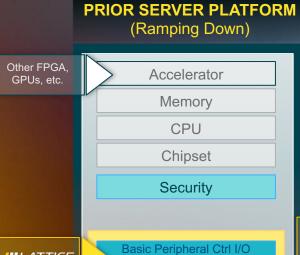




COMMS & COMPUTE

INDUSTRIAL & AUTO

CONSUMER



CURRENT SERVER PLATFORM (Ramping Now)

Accelerator

Memory

CPU

Chipset

Security

Syst. Status Monitoring

Enhanced Peripheral Ctrl I/O

Full Power Mgmt.

NEXT GEN SERVER PLATFORM (In Design Now)

Accelerator

Memory

CPU

Chipset

Security

Syst. Status Monitoring

Enhanced Peripheral Ctrl I/O

Full Power Mgmt.

##LATTICE

Basic Peripheral Cili I/O

Basic Power Mgmt.

ATTACH 25% RATE

1X

>80%

2X

>80% TARGET

3X

Increasing Attach Rate & ASP

ASP

Industrial & Automotive









INDUSTRIAL & AUTO

CONSUMER





Factory Automation Machine Vision

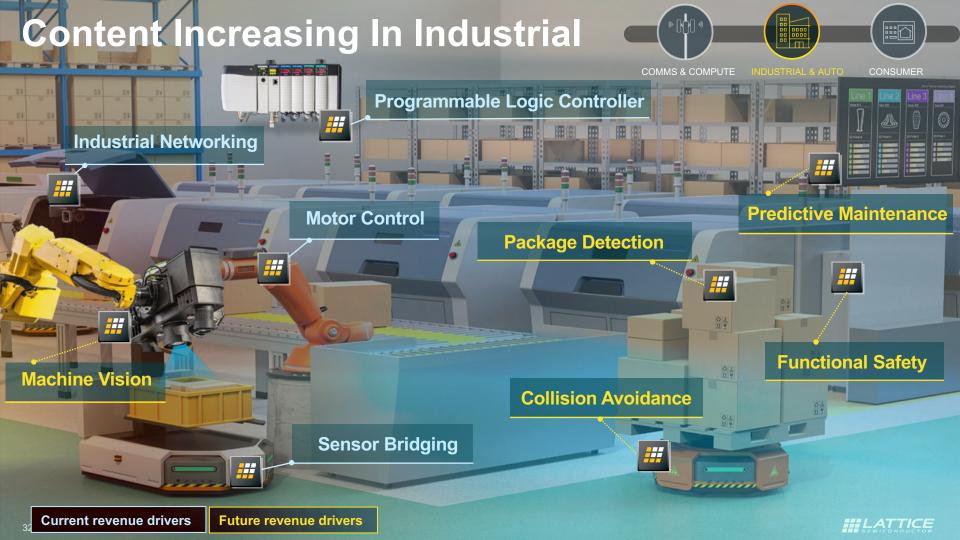
Robotics

Connected

Autonomous

Electrification





Content Increasing In Automotive



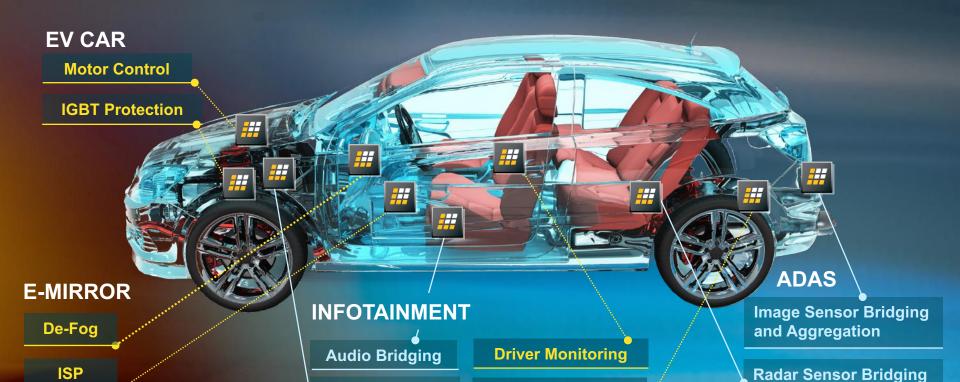




COMMS & COMPUTE

INDUSTRIAL & AUTO

CONSUMER



360° Surround View

Current revenue drivers

Future revenue drivers

Display Bridging

LATTICE

and Aggregation

Consumer







COMMS & COMPUTE

INDUSTRIAL & AUTO

CONSUMER



Prosumer

Smart Home

Wearables



Consumer



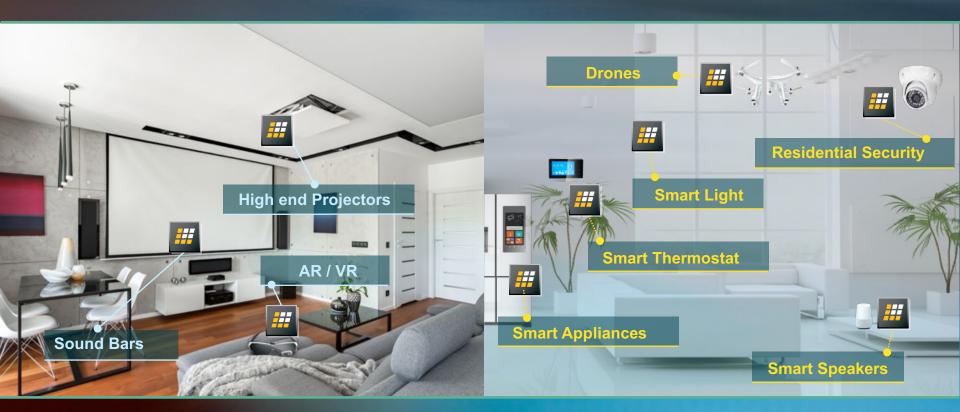




COMMS & COMPUTE

INDUSTRIAL & AUTO

CONSUMER

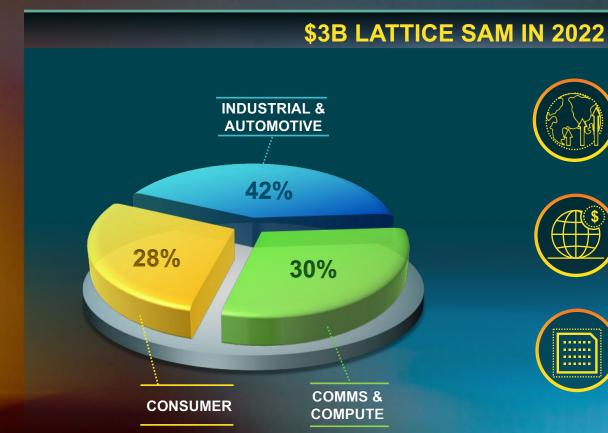


Current revenue drivers

Future revenue drivers



The Low Power Programmable Leader





GROWTH POTENTIAL \$3B SAM Opportunity



END MARKETS Fast Growing Applications



VALUED SOLUTIONS FPGA Proliferation

Lattice Executive Leadership Team



Jim Anderson CEO

Overview



Esam Elashmawi Marketing & Strategy

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Steve Douglass

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Sherri Luther CFO

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Glenn O'Rourke Operations

Q&A

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2019 FINANCIAL ANALYST DAY PRODUCTS

STEVE DOUGLASS

RESEARCH & DEVELOPMENT





R&D Strategy



STRENGTHS



CHALLENGES



STRATEGY

Talented, Dedicated Team

Too Many Projects

Focus on FPGA

Customer Driven Roadmap

Multiple FPGA Architectures

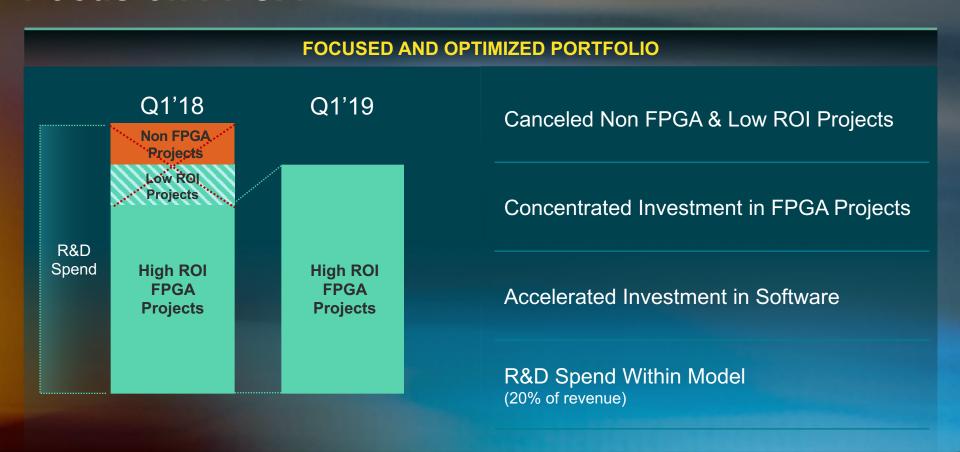
Platform Based Design

Differentiated Products

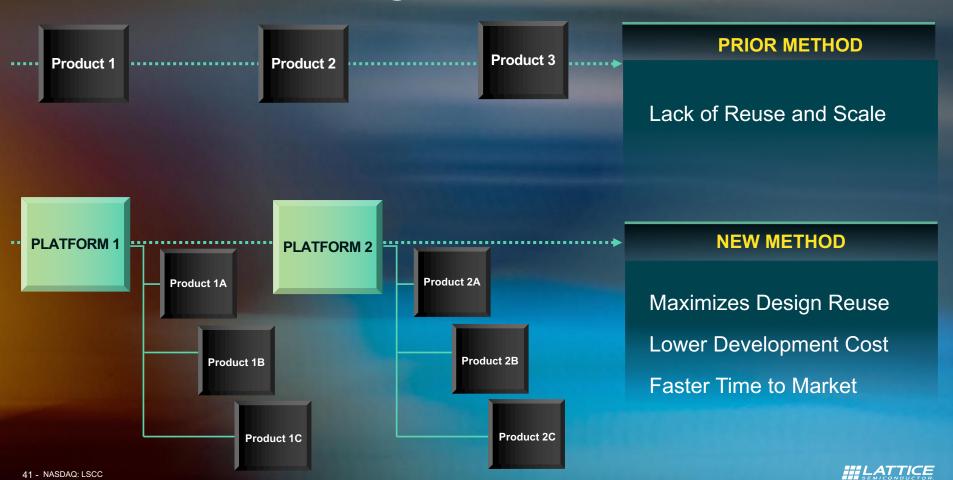
Growing System Complexity

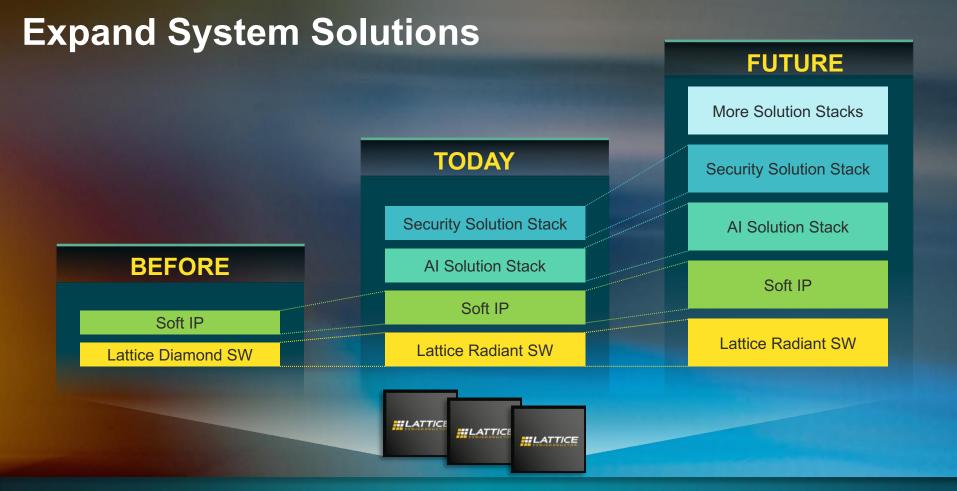
Expand System Solutions

Focus on FPGA



Platform Based Design









New Products Over the Next 12 Months



New Al Capabilities

Launching Today



Robust Platform Security

Launching Today



Enhanced Video Bridging

Sampling in H2 2019



Next Generation FPGA Platform

Sampling early 2020





Accelerating Al at the Edge

Lattice sensAl 2.0: Low Power Inferencing



New AI Capabilities

Launching Today



High Performance Inferencing Under 1W Lowest power, smallest form factor solutions 10X faster real time image processing



Expanded Machine Learning Capability

Quantized training for faster development time

Adding Keras framework support for broader adoption



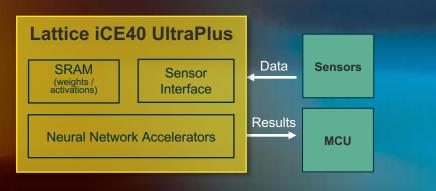
Complete Solution Enablement
Presence detection, object counting
Increased partner ecosystem



sensAl 2.0 Customer Example: IoT Security Camera











Introducing MachXO3D



Lattice MachXO3D



Robust Platform Security

Launching Today



Secure Hardware
Root of Trust capability
First on, last off for maximum security

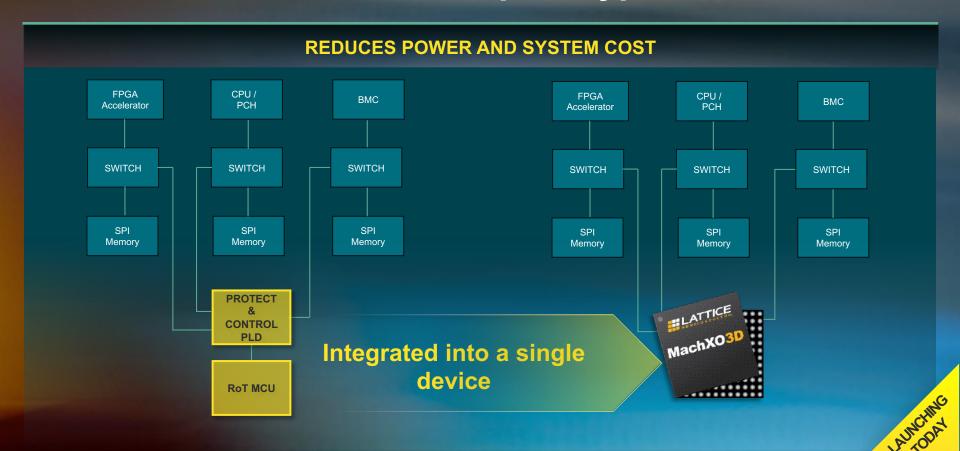


Designed for NIST Compliance
Protect, Detect AND Recover
Secures multiple firmware images



Customer Samples Delivered
Top server OEMs and Hyperscalers

MachXO3D Customer Example: Hyperscaler Server



Lattice CrossLinkPlus



Enhanced Video Bridging

Sampling in H2 2019



Optimized for Video and Display
Aggregate up to five image sensor streams
Dedicated MIPI interface for HD capability



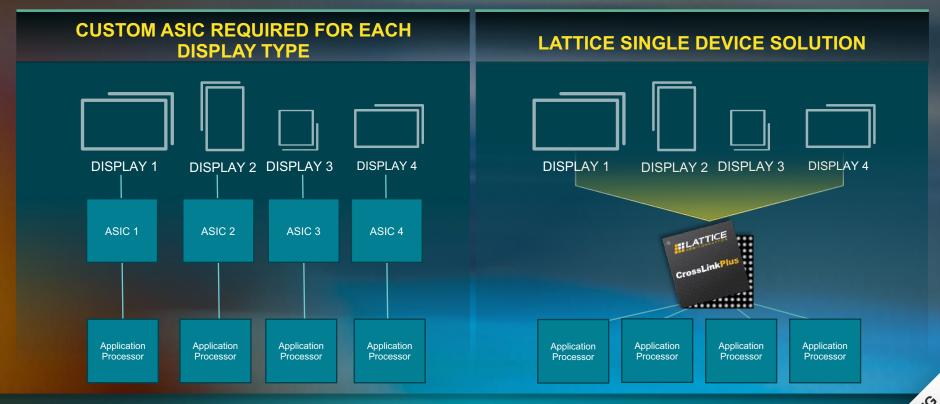
Instant-On Capability
Less than 10 ms boot-up time



Strong Customer Engagement Camera and Display applications



CrossLinkPlus Customer Example: Display Application



Customers Need Flexible Programmable Solution as Display Sizes and Resolution Vary by Application

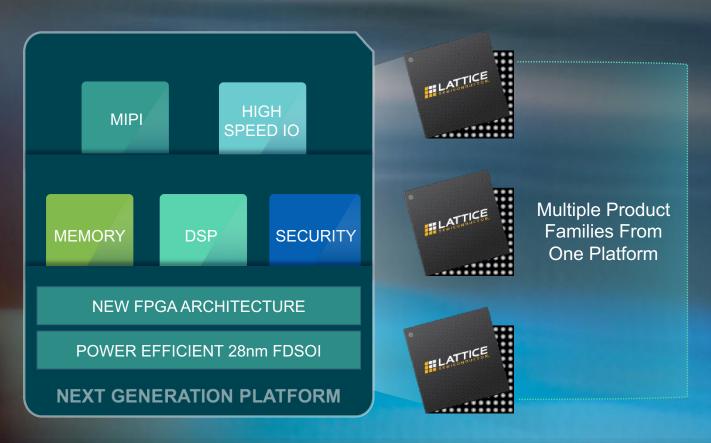


Next Generation FPGA Platform



Next Generation FPGA Platform

Sampling early 2020



Next Generation FPGA Platform

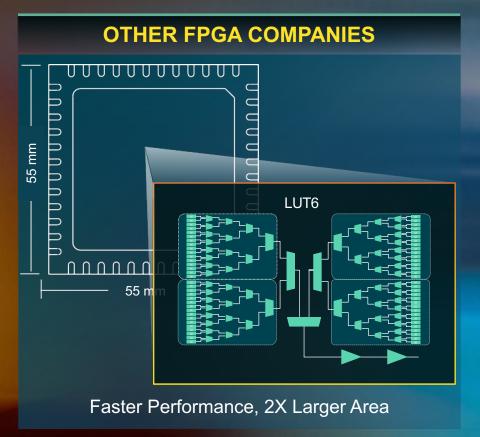


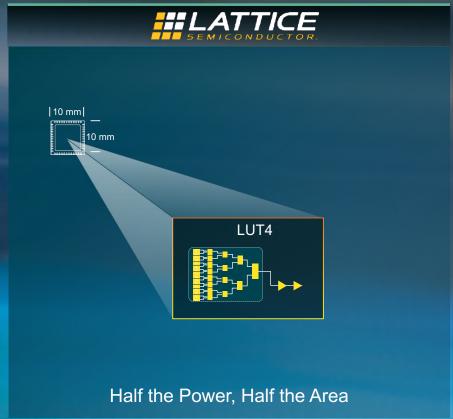
Faster Connectivity
Double the video bandwidth
50% faster system interfaces

Optimized for AI Inferencing Enhanced DSP capability UP to 5X more on-chip memory

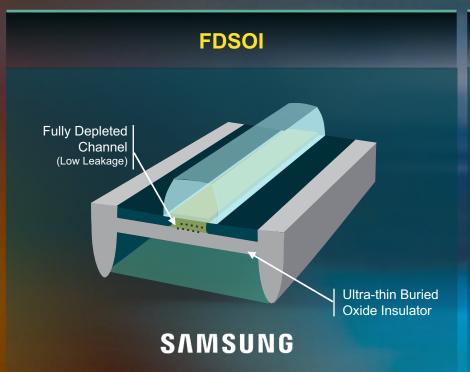
Advanced Hardware Security Hardware Root of Trust Secure key provisioning

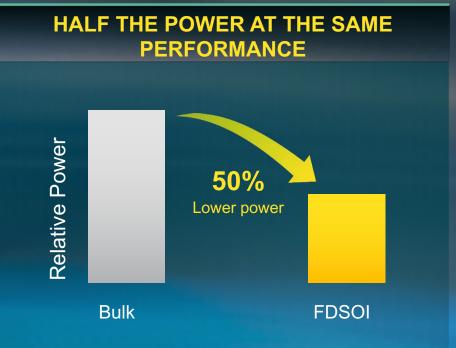
Architecture Optimized for Power Efficiency





Expanding Low Power Leadership





Built on Innovative FDSOI Technology



Accelerating Innovation



Lattice Executive Leadership Team



Jim Anderson CEO

Overview



Esam Elashmawi Marketing & Strategy

Markets



Steve Douglass
Research & Development

Products



Mark Nelson Sales

Customers



Sherri Luther
CFO

Financials



Glenn O'Rourke
Operations

Q&A

LATTICE

2019 FINANCIAL ANALYST DAY CUSTOMERS

MARK NELSON SALES













Voice of Our Customers

"Your competitors are only focused on data center compute acceleration...we need FPGAs for our business."

Design Engineering Manager, Large Industrial Automation Customer "We have known the Lattice FAE for years and we trust him."

System Architect, Prosumer Product Company "I want to give Lattice more business.... We would like to influence your roadmap."

Sourcing VP, Leading Wireless Company

"Low power is critical in our systems and we are happy that you are keeping your focus on power."

Central Engineering, Global Tier One Automotive Supplier "Security discussions are happening weekly and we could leverage your solution across platforms."

Business Unit Executive, Server & Enterprise Client Leader

Customers Like Our Focus and Want to Expand their Business with Us

59 - NASDAQ: LSCC

Enhanced Customer Engagement Strategy





SIEMENS

Google



























Restructured Sales Team





Fragmented sales force

Complex compensation structure

Siloed knowledgeable talent

Unified regional sales team

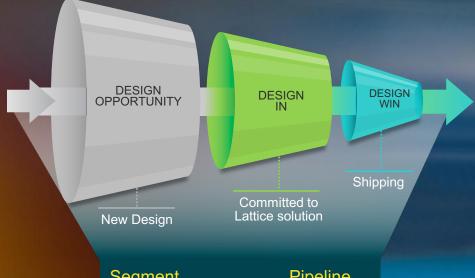
Simple compensation structure

Collaborative and disciplined

New Focused Coverage Model



Strengthening the Pipeline



Segment	Pipeline
Industrial & Auto	40%
Comms & Compute	40%
Consumer	20%

Increase focus on large customers

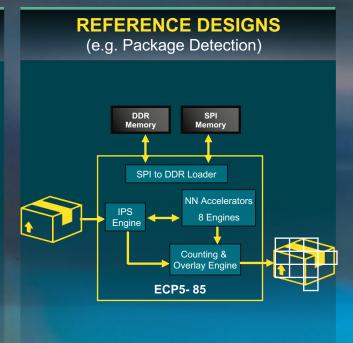
Drive mix towards multi-year revenue streams

Enable SAM expansion with new applications



Enabling Scale

DEMO BOARDS (e.g. Vehicle Classification)





Accelerating Time to Market for Broad Set of Customers



New Value Creation Opportunities



EARLY ARCHITECTURAL ENGAGEMENT WITH CUSTOMERS

Differentiated products
Outstanding support



DRIVING GREATER
SOFTWARE CONTENT INTO
SOLUTIONS

System level approach Solution selling



VALUE BASED SELLING

Market segment pricing Advanced pricing analytics



Enhanced Customer Engagement Strategy



COVERAGE MODEL

Large SAM Customers



OPPORTUNITY PIPELINE

Healthy Pipeline



ENABLING SCALE

Solutions & Partners



VALUE CREATION

Early Engagement



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2019 FINANCIAL ANALYST DAY FINANCIALS

SHERRI LUTHER CFO





Financial Priorities

REVENUE GROWTH

OPEX DISCIPLINE

GROSS MARGIN EXPANSION



PROFIT EXPANSION

CASH GENERATION

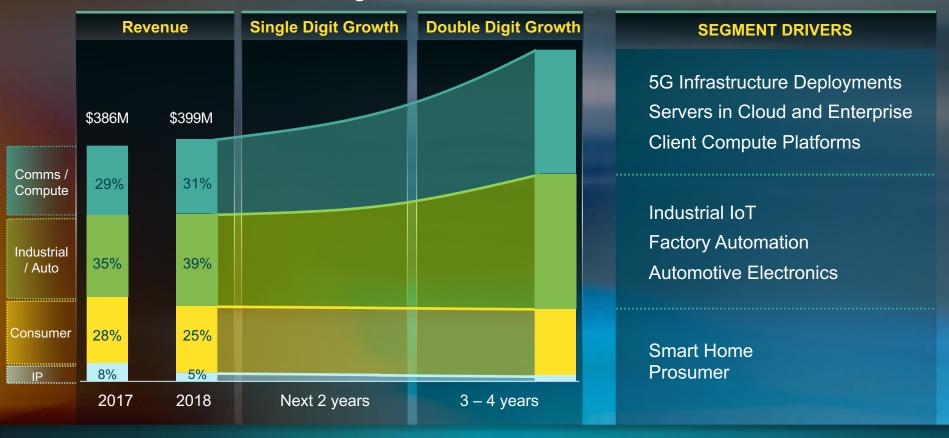


BALANCE SHEET STRENGTH

2018 Accomplishments



Revenue Growth by End Markets



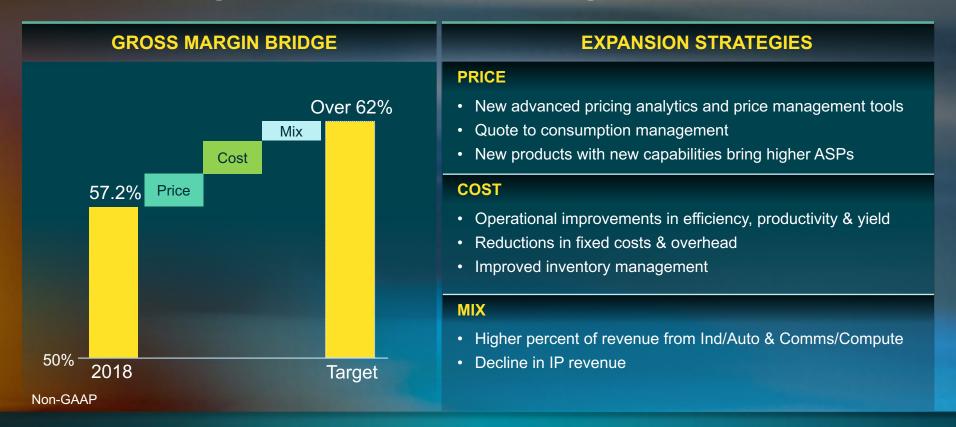
Accelerating Profitable Revenue Growth

Gross Margin Expansion



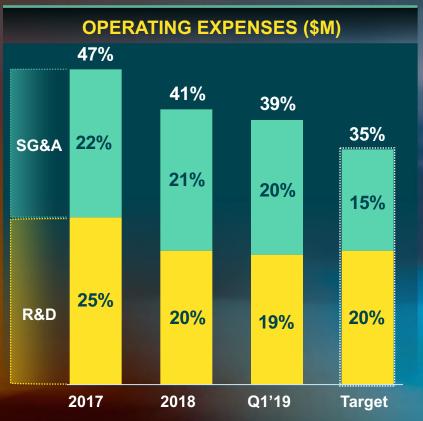
Driving Multiple Strategies for Gross Margin Expansion

Gross Margin Expansion Strategies



Driving Multiple Strategies for Gross Margin Expansion

OpEx Strategy



EXPENSE MANAGEMENT

SG&A

- Site consolidation
- IT and Infrastructure efficiency
- Greater leverage of low cost geos
- Operational leverage as revenue grows

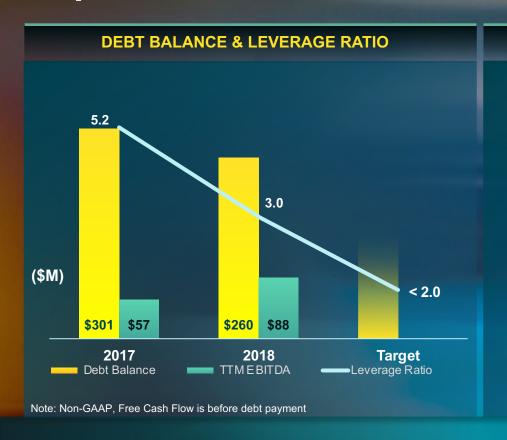
R&D

- Continue portfolio optimization for better ROI
- Expand investment toward software and solutions
- Scale with revenue and invest in roadmap

Non-GAAP



Capital Structure



CASH ALLOCATION

Maintain cash balance above \$100M

Excess cash used to pay down debt

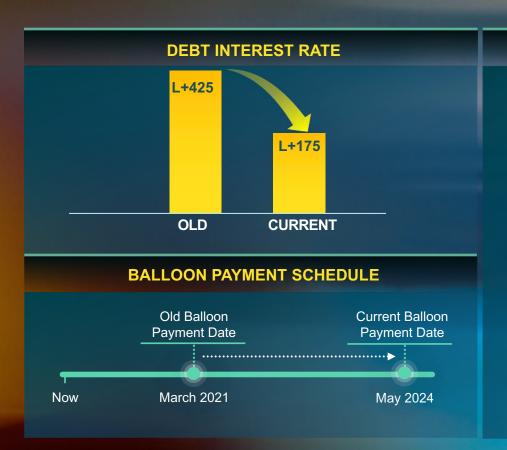
Drive leverage ratio below 2.0

Consider other options for cash after leverage ratio is met

Additional \$25M discretionary debt payment made to date in Q2'19

Significant Progress on Balance Sheet De-lever

Debt Refinance



DEBT REFINANCE DETAILS

Reduced interest rate and improved terms

Interest rate dropped by 250 bps; Further step downs as leverage declines

Extended maturity by 3 years to May 2024

Greater flexibility allowing stock buy backs

Includes \$75 million revolver

Refer to 8K filing for additional details

Financial Target Model

	2018	Q1'19
Revenue Growth (YoY)	+3%	Flat
Gross Margin*	57.2%	58.6%
OpEx*	41%	39%
Operating Income*	17%	20%

Target Model (3 – 4 Yrs.)		
Low Double Digits		
Over 62%		
35%		
25% - 30%		

Financial Priorities

REVENUE GROWTH

Low Double Digit

OPEX DISCIPLINE

35%

GROSS MARGIN EXPANSION

Over 62%



PROFIT EXPANSION 25% to 30% Oplnc

CASH GENERATION

Pay Down Debt



BALANCE SHEET STRENGTH

Leverage <2.0



Q&A



Wrap Up



PRODUCTS HIGH SPEED IO MEMORY DSP SECURITY NEW FPGA ARCHITECTURE POWER EFFICIENT 28nm FDSOI NEXT GENERATION PLATFORM ACCELERATING INNOVATION







The Low Power Programmable Leader

2019 FINANCIAL ANALYST DAY

NEW YORK



Appendix



Operating Expenses Reconciliation

(Thousands except percentages)	Q1 2019	2018	2017
GAAP Operating expenses	\$ 45,176	\$ 222,559	\$ 264,199
% of Revenue	46.1%	55.8%	68.5%
Amortization of acquired intangible assets	(3,389)	(17,690)	(31,340)
Restructuring charges	(1,341)	(17,349)	(7,196)
Acquisition related charges	-	(1,531)	(3,781)
Impairment of acquired intangible assets	1,023	(11,686)	(32,431)
Stock-based compensation expense	(3,484)	(12,706)	(11,755)
Gain on sale of building		- 1	4,624
Non-GAAP Operating expenses	\$ 37,985	\$ 161,597	\$ 182,320
% of Revenue	38.7%	40.5%	47.2%

Gross Margin Reconciliation

(Thousands except percentages)	Q1 2019	2018	2017
GAAP Gross Margin	\$ 57,652	\$ 219,439	\$ 216,579
GAAP Gross Margin %	58.8%	55.0%	56.1%
Inventory adjustment related to restructured operations	(338)	7,829	
Stock-based compensation expense	202	940	788
Non-GAAP Gross Margin	\$ 57,516	\$ 228,208	\$ 217,367
Non-GAAP Gross Margin %	58.6%	57.2%	56.3%

Earnings Per Share Reconciliation

	Q1 2019	2018	2017
GAAP net loss per share - diluted	0.05	(0.21)	(0.58)
Inventory adjs related to restructured operations	(0.00)	0.06	-
Amortization of acquired intangible assets	0.03	0.14	0.25
Restructuring charges	0.00	0.13	0.06
Acquisition related charges		0.01	0.03
Impairment of acquired intangible assets	0.01	0.09	0.26
Stock-based compensation expense	0.03	0.11	0.10
Gain on sale of building	-		(0.03)
Loss on sale of assets and business units	-	-	0.02
Non-GAAP Operating expenses	0.11	0.33	0.11