December 2, 2020 1:00 p.m. – 2:30 p.m. EST Presentation and Q&A

Virtual Analyst and Investor Conference





Jeff Jones CFO

Welcome and Agenda



2

Cautionary Statement Regarding Forward-Looking Statements

Forward-Looking Statements:

Certain statements contained in this presentation may be considered forward-looking statements within the meaning of the U.S. Private Securities Litigation Reform Act of 1995, including statements regarding strategies to extend leadership in high-growth RF test, deliver high yield test and inspection for 5G, ADAS and xEV applications, increase contactor attachment rates and goal to double rate, and to provide analytics to optimize productivity, estimated total market CAGR, secular tailwinds driving end-market growth, estimated market segments CAGR sales growth, Semi Test target revenue growth CAGRs, 5G and RF Semi Test incremental revenue 1H'21, est. 5G device growth, Test and Inspection Handler target revenue growth CAGRs, Interface Solutions target revenue growth CAGRs, "Cohu Strategy" for each business unit, any comments on Cohu's Q1'21 and FY2021 outlook, momentum or growth, Cohu "Target Model" and "Target Financial Model" strategies and all associated financial forecasts, est. growth, revenue split by business, free cash flows, R&D exp., cap ex, and est. margin improvements and quarterly Model estimates, Cohu's fourth quarter 2020 sales forecasts, updated guidance, sales mix, est. of record orders, non-GAAP operating expenses, gross margin, adjusted EBITDA and effective tax rate, est. second half and full year 2020 financial reductions and shares outstanding, estimated minimum cash needed, potential M&A, est. op ex variability with sales and % of incremental sales falling to op income, any future Term Loan B principal reductions and goals, "left," "believe," "estimate," "project," "intend," and other similar expressions among others. Statements that are not historical facts are forward-looking statements. Forward-looking statements are based on current beliefs and assumptions that are subject to risks and uncertainties and are not guarantees of future performance. Any third-party industry forecasts, comments or presentations are for reference only and Cohu does not adopt or affirm any such materials.

Actual results could differ materially from those contained in any forward-looking statement as a result of various factors, including, without limitation: The ongoing global COVID-19 pandemic has adversely affected, and is continuing to adversely affect, our business, financial condition and results of operations, and COVID-19 could re-surge at any time and our business could be abruptly impacted again to an even greater extent; October 2020 COVID-19 related government movement control orders reinstituted in Malaysia and actual adverse impacts that have begun to reoccur among Malaysiabased and/or other suppliers; Recently increasing COVID-19 cases in countries where Cohu's principal facilities are located including the United States, the Philippines, Malaysia, Switzerland and Germany; Other significant risks associated with the Xcerra acquisition, integration and synergies including the failure to achieve the expected benefits of the acquisition, and mandatory ongoing impairment evaluation of good will and other intangibles whereby Cohu could be required to write off some or all of this good will and other intangibles; Continued availability of capital and financing and additional rating agency downgrade actions, and limited market access given our high debt levels; Our Credit Agreement contains various representations and negative covenants that limit our business flexibility; Changes to or replacement of LIBOR may adversely affect interest rates; Adverse investor reaction to the recently suspended cash dividend; Other risks associated with acquisitions; inventory, goodwill and other asset write-downs; Our ability to convert new products into production on a timely basis and to support product development and meet customer delivery and acceptance requirements for new products; Lost productivity, project delays and internal control risks due to ongoing employee "work from home" programs; Our reliance on third-party contract manufacturers and suppliers; Failure to obtain customer acceptance resulting in the inability to recognize revenue and accounts receivable collection problems; Market demand and adoption of our new products; Customer orders may be canceled or delayed; Design-wins may or may not result in future orders or sales; The concentration of our revenues from a limited number of customers; Intense competition in the semiconductor equipment industry; Our reliance on patents and intellectual property; Compliance with U.S. export regulations; Impacts from the Tax Cuts and Jobs Act of 2017 and ongoing tax examinations; Geopolitical issues, trade wars and Huawei/HiSilicon export restrictions (including new restrictions effective in May and August 2020); Retention of key staff; Other health epidemics or natural disasters; ERP system implementation issues particularly as Cohu recently launched a new ERP system in first quarter 2020 and plans a broader rollout in 2020; The seasonal, volatile and unpredictable nature of capital expenditures by semiconductor manufacturers particularly in light of weakened demand in 2019 followed by the COVID-19 global pandemic in 2020; and Rapid technological change.

These and other risks and uncertainties are discussed more fully in Cohu's filings with the SEC, including the most recently filed Form 10-K and Form 10-Q, and the other filings made by Cohu with the SEC from time to time, which are available via the SEC's website at www.sec.gov. Except as required by applicable law, Cohu does not undertake any obligation to revise or update any forward-looking statement, or to make any other forward-looking statements, whether as a result of new information, future events or otherwise.





Jeff Jones, CFO Welcome



Ganesh Moorthy, Microchip Keynote Speaker



Π

<u>d</u>

Luis Müller, CEO Driving Growth & Differentiation



Chris Bohrson, GM Test & Inspection Handler Group



Michael Campbell, Qualcomm Keynote Speaker



Devin Sheridan, GM Interface Solutions Group



Ian Lawee, GM Semiconductor Test Group



Jeff Jones, CFO Profitability & Shareholder Value

Q&A Cohu Management





Luis Müller CEO

Driving Growth and Differentiation



5





Est. 2020 Revenue⁽²⁾

~45%

Recurring Revenue

~12%

Operating Income⁽²⁾⁽³⁾

21%

2017-20 Revenue CAGR⁽²⁾ (organic growth & acquisitions)

- (1) Source: Gartner, June 2020 and Company estimates
- (2) Reflects actual YTD 2020 results plus the mid-point of the Company's Q4'20 guidance as updated on December 1, 2020
- (3) Non-GAAP figure; See Appendix for GAAP to Non-GAAP reconciliations, and notes regarding use of forward-looking non-GAAP figures

28,000+

Equipment Installed Base





Est. Market CAGR⁽¹⁾



December 2, 2020

Target Model

Revenue \$940M

Gross Margin

Operating Income

Mid-term (3-5 years) Target Model; Gross Margin and Operating Income are Non-GAAP figures; See Appendix for notes regarding use of forward-looking non-GAAP figures

Cohu Strategy

Extend leadership in high-growth RF test with scalable, precision instrumentation

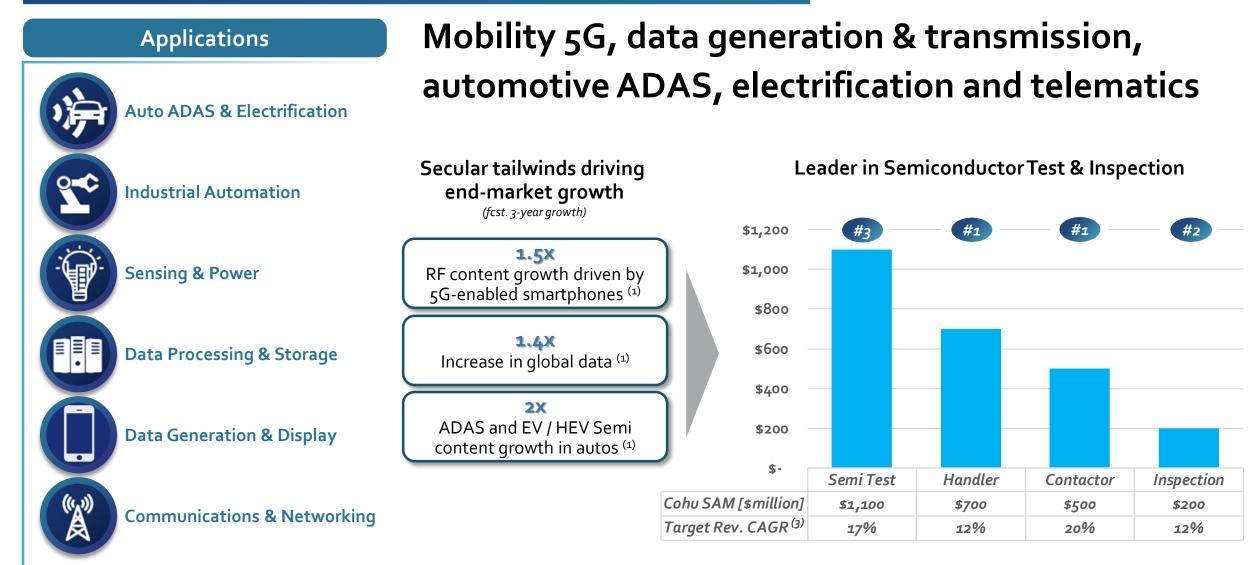
Deliver high yield test and inspection for 5G, ADAS and xEV applications

Increase contactor attachment rate with differentiated test cell solutions

Provide analytics to optimize productivity



Driving Growth in Select End-Markets



(1) Source: Gartner, June 2020

(2) Cohu SAM: Serviceable Addressable Market are company estimates for 2021

(3) 3-year target revenue CAGR per business segment to achieve Cohu mid-term target model

Cohu

Delivering Customer Value

Accelerating time to yield and greater productivity through the test cell

2% higher yield in the semiconductor test and inspection ~ pays for Capex

One-stop-shop for leading-edge solutions in test & inspection

High frequency measurement accuracy Most responsive active thermal control AI-powered infrared inspection Test Cell accelerating time to peak yield

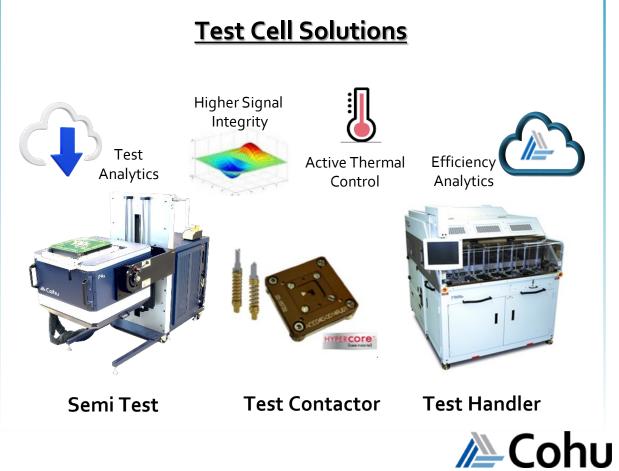
Peak Volume

High Vol Ramp

Peak Yield/OEE

Yield / OEE

1st Silicon



Path for Growth and Differentiation⁽¹⁾

Above-Market Revenue Growth

~14% revenue CAGR; 2x the market

Share gain with leading edge solutions in test & inspection

Accelerating Tester and Contactor revenue growth Accelerating Profitability

Significant operating leverage 23% operating income⁽²⁾

Accelerating time to yield and greater productivity

New product developments with 30%+ ROIC Disciplined Capital Allocation

Generating \$160M+ annual free-cash-flow

Term loan repayment; targeting \$60M+ annually

Enabling a smarter, safer, and more connected future

Creating Shareholder Value

ROIC – Return on invested capital

(1) All values are based on achieving Target Model

(2) Non-GAAP figure; See Appendix for notes regarding use of forward-looking non-GAAP figures





Michael Campbell Qualcomm

Keynote Speaker



11

Michael Campbell Senior Vice President Qualcomm Technologies Inc.

> Qualcomm overview for COHU

November 2020

Qualcom

A world where virtually everyone and everything is intelligently connected

5G

The world's leading wireless technology innovator



Leading wireless innovation for 35 years

Digitized mobile communications



Redefined computing

Desktop to smartphones



Connecting virtually everything

Transforming how the world connects, computes and communicates



The R&D Engine

\$64B+

in cumulative R&D

140,000+ Granted patents/pending applications

300+ License agreements

World-class technology portfolio



Wireless connectivity

2G/3G/4G/5G 802.11 n/ac/ax (Wi-Fi 6) 802.11ad (60GHz) Bluetooth 802.15.4 C-V2X GNSS/Location

RF-Front End

Power amps Acoustic filters RF switches LNAs Antenna tuner Envelope tracker **Processors** CPU/GPU/DSP/AI processor Memory controller Secure processing

Multimedia

Camera processing Video Voice UI Display processing Computer vision Audio processing AR/VR Sensors

Components

Audio codecs Audio amplifiers Power management Fingerprint

Key business segments

QCT: semiconductors

- 649M MSM[™] chipsets shipped in FY19
- FY19 revenues: \$14.6B

QTL: technology licensing

- 14B+ devices licensed
- FY19 revenues: \$4.6B

Qualcomm growth vectors

Strategy playing out as planned resulting in substantial growth and opportunity

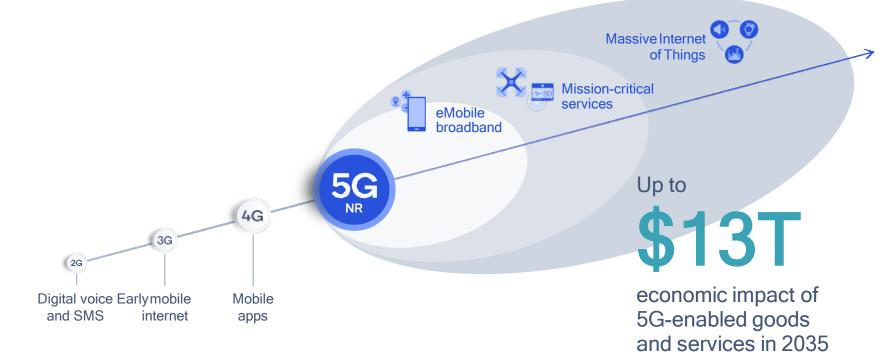


Transforming how the world connects, computes, and communicates.

With 5G, wireless becomes the superior network technology, disrupting everything



With 5G, wireless becomes the superior network technology, disrupting everything



Based on ITU vision for IMT-2020 compared to IMT-advanced; URLLC: Ultra Reliable Low Latency Communications; IAB: Integrated Access & Backhaul Source: The 5G Economy, IHS Markit - commissioned by Qualcomm, October 2020



Not just another handset upgrade cycle

10x Decrease in end-to-end latency **10x** Greater experienced throughput **3**X More spectrum efficiency

100x

Higher traffic capacity

100x Greater network efficiency **10x** Increased connection density 5G accelerating globally

85+

Operators with 5G commercially deployed

750M+

5G smartphones to ship in 2022

1B+

investing in 5G

310+

Additional operators

5G connections by 2023 – 2 years faster than 4G

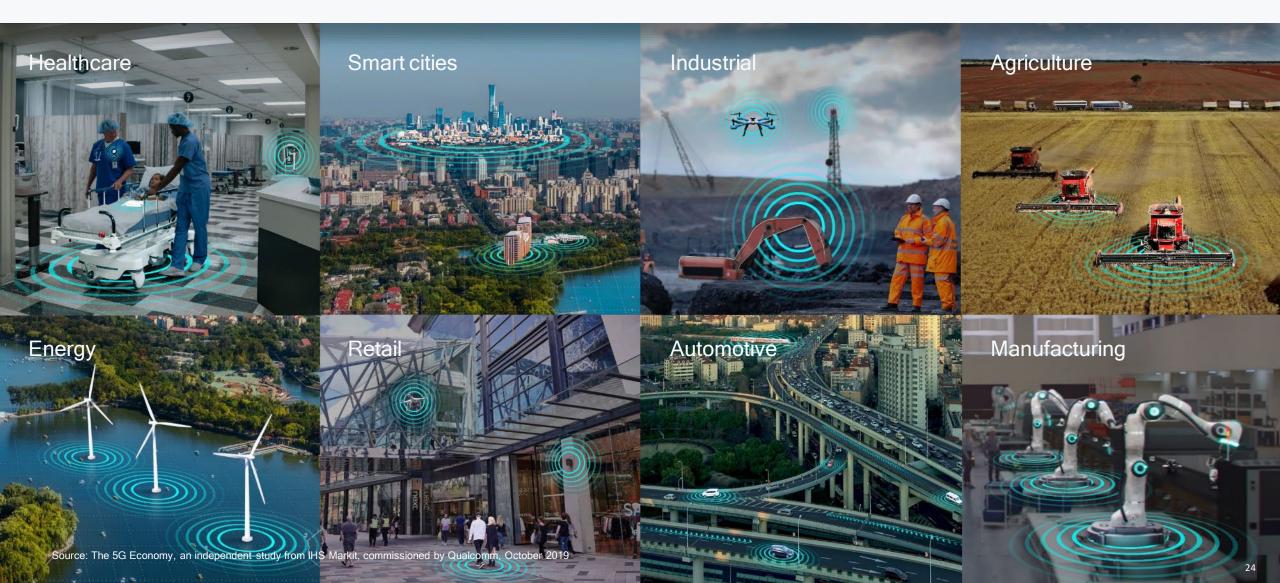
2.8B

5G connections by 2025

Sources – 5G commercial networks and devices: operator and OEM public announcements. Operators investing in 5G: GSA, Sep 2020. 5G device shipment projections: Qualcomm estimates, Nov 2019. 5G connection projections: 2023 – average of GSMA Intelligence (Aug 2020), ABI (Nov2019); 2025 – average of ABI (Oct 2019), Ericsson (Nov 2019).

Fueling digital transformation across industries

5G will enable up to \$13 trillion of global economic output in 2035



When we break through, the ecosystem leaps forward



Multimedia streaming

Paradigm shift in entertainment

Our technologies are foundational to innovative services, such as:

Netflix

- Spotify
- Prime Video
- Apple Music

• Hulu

This is an age when truly immersive VR on your smartphone is a reality



Connectivity and intelligence everywhere

Immediate, rich social interactions

Steve

Wow! It's like I'm right there

Powering amazing experiences



0

videos

\$5G

Qualcom

snapdragon



Artificial intelligence

Stunning Intelligent photos and architectures Immersive entertainment









IXAT





This is the age that is making virtually everything smarter

This is the age of real 5G, made real by Qualcomm

Inventing breakthrough technologies

Enabling customers

5G

Transforming industries

Enriching lives

Qualcom

Thank you

Nothing in these materials is an offer to sell any of the components or devices referenced herein.

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Ian Lawee Semiconductor Test Group

Portfolio of instrumentation and universal platform for testing semiconductor devices with best-in-class solutions in RF, digital and mixed signal applications, enables faster time to yield.

Cohu

Joined in April 2019. More than 25 years experience in both semiconductor and test instrumentation businesses

Analog Devices

2009 – 2019: Isolation, Precision Converter and Energy markets

Teradyne

1994 – 2009: product, marketing and engineering in semiconductor test division

MSc Management and MSc Electrical Engineering: Massachusetts Institute of Technology MSc Electrical Engineering and BSc Computer Science Engineering: University of Pennsylvania

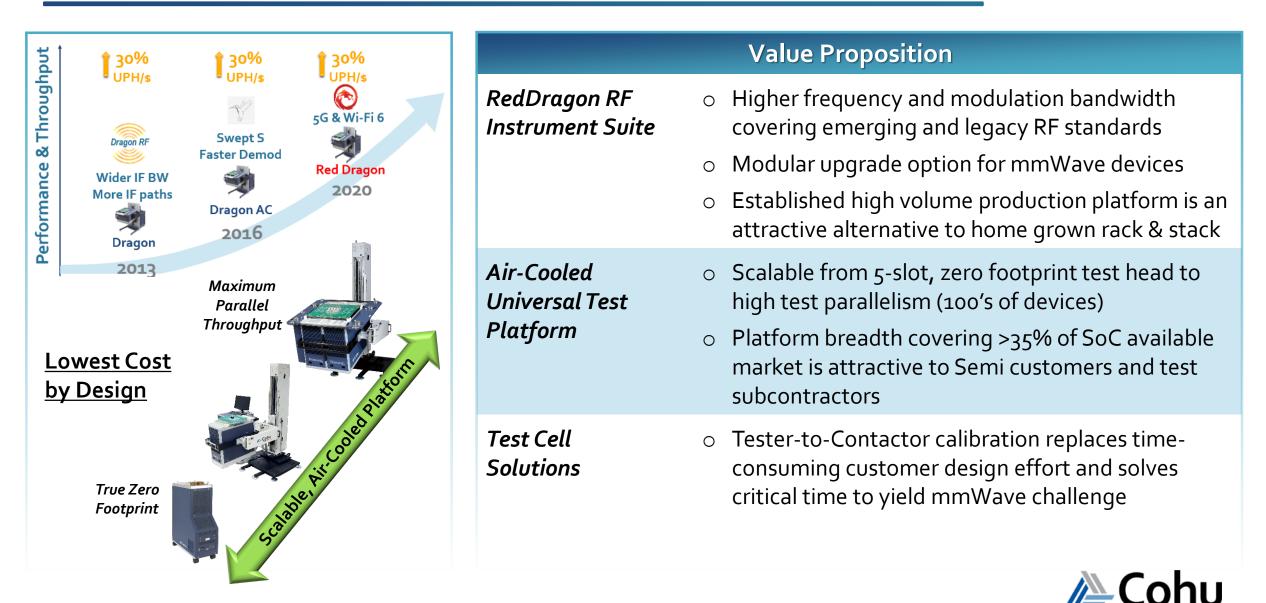


Increasing Test Intensity Driving Growth

Segments	Focused Applications	Inflection Points
5G Cohu SAM \$600M(1) Tarract Pow CACP	 Sub-6G and mmWave 5G RF enabling higher data bandwidth, lower latency and new products 	 More frequencies and bandwidths increasing test intensity
Target Rev. CAGR 18% Mobility	 Wi-Fi 6E and Ultra-Wideband RF growth driven by increasing network connectivity and 	 New Wi-Fi spectrum requires new tester capabilities Expanding PE standards
Cohu SAM	Internet of Things (IoT)	 Expanding RF standards enabling new IoT applications
\$400M ⁽¹⁾ SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-Drung SEF-SE-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-SEF SEF-	 Application Processors, Flat Panel Display Drivers, Sensors and Power Management 	 Increasing Structural Test insertions for advanced packages
Automotive & Industrial		



Semi Test Strategy Accelerating Time to Yield



RF Test Solutions



SemiTest

Cohu SAM \$1,100M

Target Revenue CAGR **17%** Cohu Strategy

Delivering best-in-class solutions to 5G and IoT applications in expanding \$400M⁽¹⁾ RF test segment

Expanding capabilities of the low-cost universal test platform to address multiple markets

Solving the hardest test cell integration challenges enabling faster time to yield





Ganesh Moorthy Microchip

Keynote Speaker



Cohu Investor Conference



A Leading Provider of Smart, Connected and Secure Embedded Control Solutions



Ganesh Moorthy President & COO December 2, 2020

Corporate Overview

Leading Total Systems Solutions Provider:

- High-performance standard and specialized Microcontrollers, Digital Signal Controllers and Microprocessors
- Mixed-Signal, Analog, Interface and Security solutions

- Clock and Timing solutions
- Wireless and Wired Connectivity solutions
- FPGA solutions
- Non-volatile EEPROM and Flash Memory solutions
- Flash IP solutions



\$5.3 Billion Revenue FY2020



Headquartered near Phoenix in Chandler, AZ



~18,000 Employees



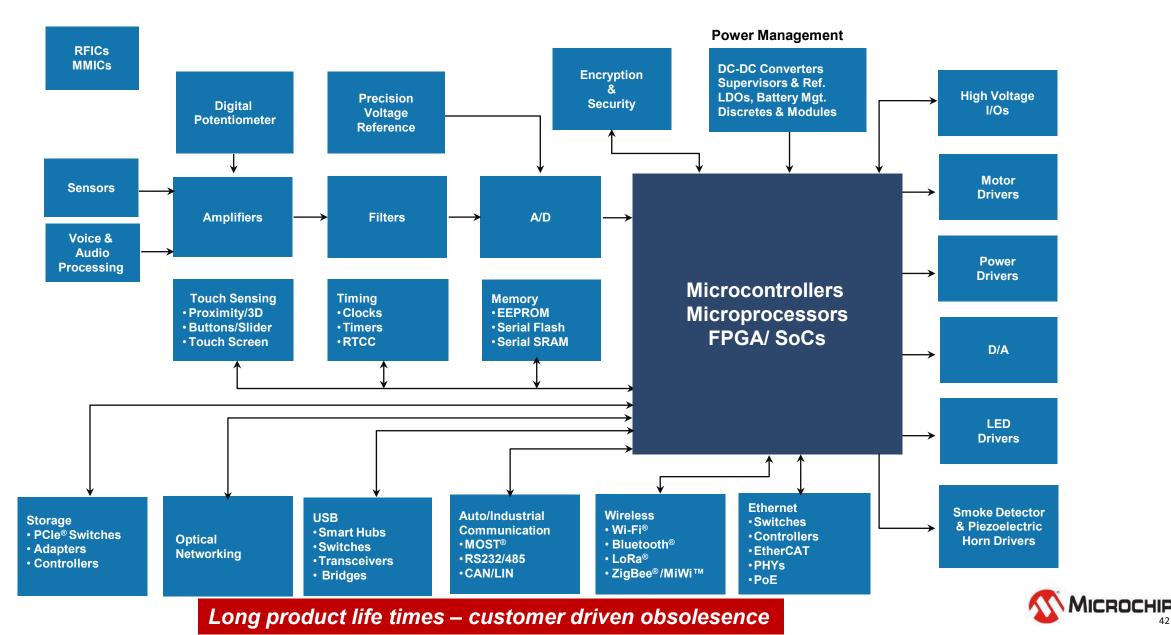


Be The Very Best Embedded Control Solutions Company Ever

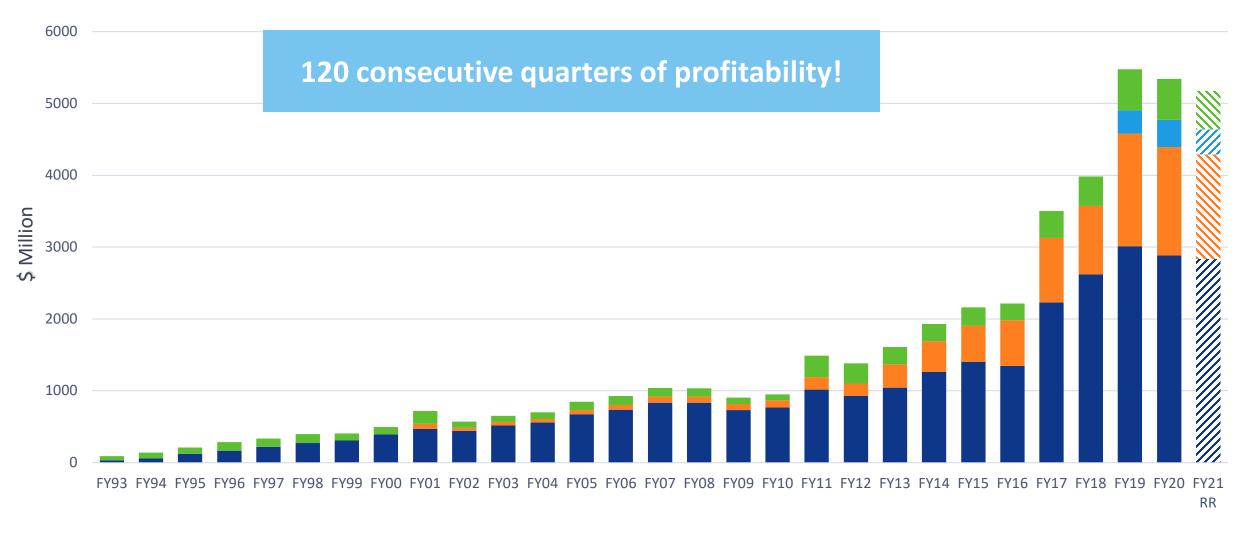




Providing Total System Solutions



Annual Net Sales Growth



■ MCU ■ Analog ■ FPGA ■ LMO



Worldwide Microcontroller Market Share

No.	1991 Rank	1996 Rank	2003 Rank	2008 Rank	2009 Rank	2014 Rank	2018 Rank	2019 Rank	
1	Motorola	Motorola	Renesas	Renesas	Renesas	Renesas	Renesas	Renesas	_] 9.0
2	Intel	NEC	Motorola	NEC	NEC	Freescale	NXP	NXP	7.5
3	Philips	Philips	NEC	Freescale	Freescale	ST-Micro	Microchip	Microchip	۲ <i>۲</i> .
4	Mitsubishi	Hitachi	Matsushita	Infineon	Samsung	Microchip	ST-Micro	ST-Micro	•
5	NEC	Mitsubishi	Infineon	Samsung	Microchip	NXP	ТІ	Infineon	-
6	Hitachi	Toshiba	Fujitsu	Microchip	TI	TI	Infineon	TI	-
7	Toshiba	Matsushita	Toshiba	ST-Micro	Infineon	Infineon	Cypress	Cypress	-
8	Siemens	SGS-Thom	Microchip	ТІ	St-Micro	Atmel	Samsung	Samsung	-
9	TI	Intel	Samsung	Fujitsu	Fujitsu	Spansion	Toshiba	CEC Huada	-
10	Matsushita	Microchip	ST-Micro	NXP	NXP	Samsung	CEC Huada	Toshiba	-
	ŧ								-
23	Microchip	1991 &	1996 data extrapola	ted from 8-bit MCU:	Source: Gartner and	l Microchip			осн

Microchip Proprietary and Confidential

MICROCHIP

Analog Market Share

Leading Analog IC Suppliers (\$M)

2019 Rank	Company	2018	2019	% Change	% Marketshar	
1	Texas Instruments	10,801	10,223	-5%	19%	
2	Analog Devices	5,505	5,169	-6%	10%	
3	Infineon	3,810	3,755	-1%	7%	
4	ST	3,373	3,283	-3%	6%	
5	Skyworks Solutions	3,686	3,205	-13%	7%	
6	NXP	2,645	2,564	-3%	5%	
7	Maxim	2,125	1,850	-13%	4%	
8	ON Semi	1,990	1,740	-13%	4%	
9	Microchip	1,389	1,532	10%	3%	
10	Renesas	900	860	-4%	2%	

Source: IC Insights, company reports

The only Analog company to grow in 2019!

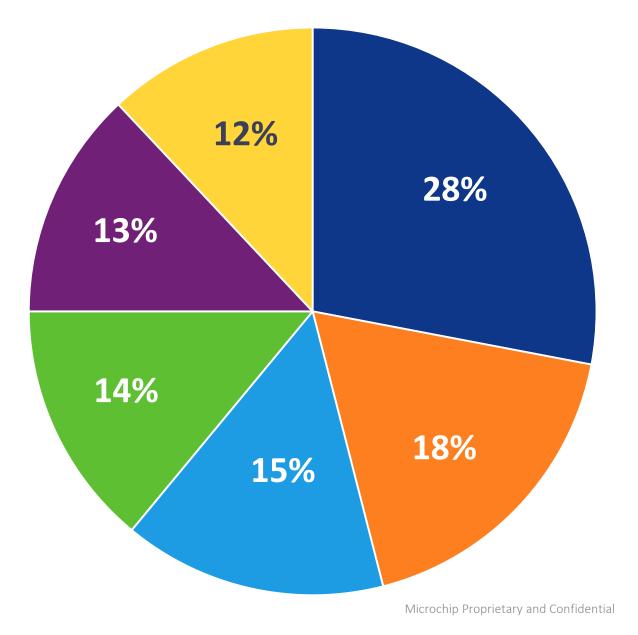


Market Megatrends





Revenue By End Market



Industrial

- Data Center & Computing
- Automotive
- Communication
- Consumer
- Aerospace & Defense



Industrial 28% of Sales





Microchip Corporate Presentation Overview Rev 29-1 May 2020

Automotive 15% of Sales





Microchip Corporate Presentation Overview Rev 29-1 May 2020

Manufacturing Locations



Suppliers Are Our Partners Microchip's Partnership with Cohu

- Partnership developed since 2005
- Cohu listens to us and seeks our input in their equipment roadmaps
- Cohu understands that capital equipment requires a longterm view
- Use of Microchip semiconductor solutions in their products



Cohu Enables Manufacturing Efficiency

Typical Test

High Parallel Test







Thank You





Chris Bohrson Test and Inspection Handler Group

Portfolio of equipment used to automate movement of semiconductor devices, control temperature during test and provide vision inspection; ensures quality and optimizes yield in volume production.

Cohu

Joined in May 2016. More than 30 years experience in both semiconductor and test instrumentation businesses

Bosch Automotive Services Solutions/SPX

2011 – 2016: general management, automotive diagnostics and information solutions

Teradyne and Spirent Communications

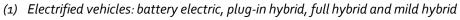
1984 – 2010: general management, engineering, product marketing and sales management roles in semiconductor test, broadband test, network test and automotive diagnostics

MSc Management: Solan School of Management, Massachusetts Institute of Technology BSc Materials Engineering: Brown University



Package Evolution Stressing Handling and Inspection

Segment	S	Focused Applications	Inflection Points
	Cohu SAM \$300M ⁽⁴⁾	 ADAS semis for driver monitoring, collision warning, auto parking, autonomous driving 	 Managing power dissipation to mitigate overheating and optimize yield
	Target Rev. CAGR 21%	 xEVs⁽¹⁾; >50% of unit sales by 2027; 3x growth in \$ content vs. ICE⁽²⁾ 	 Preventing arcing during high voltage testing
Automotiv	/e		
	Cohu SAM \$400M ⁽⁴⁾	 WLCSP⁽³⁾ driven by complex packages (2.5D – 3D tech.) to support miniaturization applications for mobile devices 	 Identifying micro-scale defects in advanced packages, reducing over-rejection
	Target Rev. CAGR 7%	 MEMS for microphone and other applications 	 Multi-site precision measurement
Mobility & Insp	ection		



- (2) Internal combustion engine
- (3) Wafer level chip scale package
- (4) Company estimates

///Cohu

Test and Inspection Delivering Higher Yield

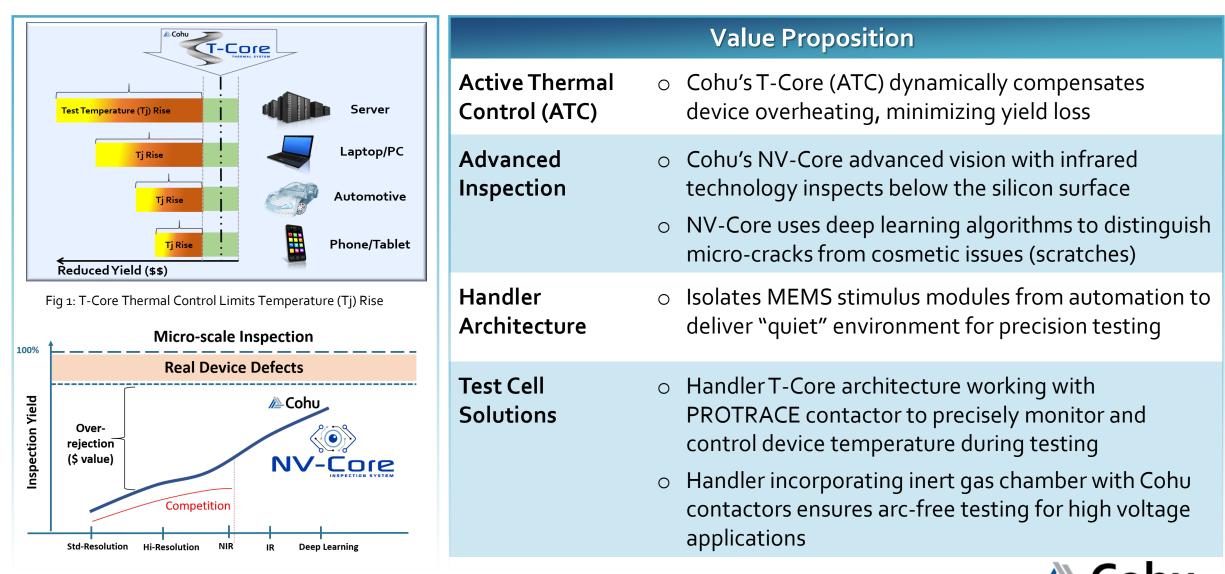


Fig 2: Deep learning algorithms minimize over-rejection

Handler & Inspection

Cohu SAM **\$900M**

Target Revenue CAGR **12%**

Cohu Strategy

Focused on fast growing Automotive ADAS, xEV and Mobility applications

Deploying AI to accelerate growth in \$200M⁽¹⁾ Inspection market

Improving test cell yield with differentiated thermal and interface technologies





Devin Sheridan Interface Solutions Group

Full suite of test contactors that provide the electrical interface between the tester and the semiconductor device presented by the handler; optimizes signal performance via an array of consumable probe pins.

Cohu

Joined in May 2020. More than 27 years experience in the semiconductor industry

Motorola/Freescale/NXP

1993 – 2020: multiple engineering and operations management roles from production to new product introduction.

- Process engineering wafer processing and wafer test
- Global wafer test operations
- New product introduction test centers
- Test Innovation

MSc Technology Commercialization: University of Texas

BSc Mechanical Engineering: Marquette University



Test Contactor Growth Opportunity

Segments	Focused Applications	Inflection Points		
Cohu SAM \$200M ⁽¹⁾ Target Rev. CAGR 26% Mobility & Consumer	 RF Mobility ramping to higher frequencies (18 GHz – 54 GHz) 	 Expanding Wi-Fi spectrum and RF bands Increasing port counts Complex signal management 		
Cohu SAM \$100M ⁽¹⁾ Target Rev. CAGR 16% Automotive & Industrial	 xEV driving higher power, smaller packages & multisite test ADAS processor test requires tighter temperature control 	 High power (>10 kV, 4 kA) Precision across temperature Higher test parallelism Safety and quality 		
Cohu SAM \$200M ⁽¹⁾ Target Rev. CAGR 23%	 Cloud, AI, edge processing increasing interface speed, electro-mechanical tolerances 	 Higher data rates (>50 Gbps) and pin counts (>10,000 / device) 2D and 3D package integration 		
Computing & Network		M Cohu		

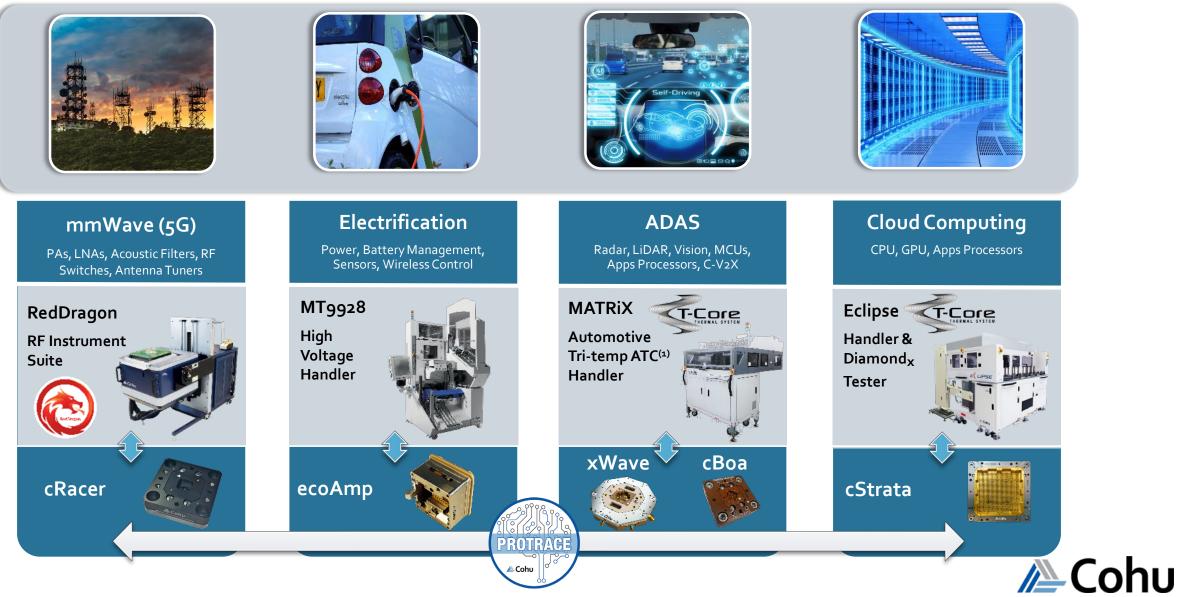
(1) Company estimates

Test Contactors Extending Value in Key Segments

Cohu Solutions	Value Proposition					
	High Fidelity RF	 Contactor platform with direct signal path for mmWave applications up to 100 GHz Probe technology spanning 5G FR1 and FR2 				
Peak Yield/OEE	High Performance Digital	 Coaxial solutions provide exceptional signal isolation and impedance control, scalable for large package platforms up to 60 Gbps 				
HO Yield	Precision Analog	 Kelvin contact solutions that scale to high power and small footprint to enable high test site density 				
Conversion Managed Conversion Managed Conversion Managed Conversion Managed Conversion C	Intelligent and Embedded Sensors	 PROTRACE intelligent contactors closing the loop on thermal control to enable peak yield 5G Interceptor extending test instrumentation to mmWave and calibration to the device under test 				



Cohu Test Cell Solving Time to Yield



Test Contactor

Cohu SAM \$500M

Target Revenue CAGR **20%**

Cohu Strategy

Innovating conventional probe technology to address both 5G and data center markets

Leverage Cohu's leadership position in automotive to win applications in ADAS and vehicle electrification

Deploying differentiated test cell solutions that create strong competitive barriers in high growth markets





Jeff Jones CFO

Delivering Profitability and Shareholder Value



Q4'20 Update and Q1'21 Outlook

	Q4'20 Guidance ⁽¹⁾	Q4'20 Update		
Revenue	\$176 - \$192M	\$195 - \$200M		
Gross Margin ⁽²⁾	44% - 45%	45% - 46%		
Operating Expenses (2)	~ \$51M	~ \$53M		
Adjusted EBITDA (2)	~ 18% (mid-point of guidance)	~ 20% (mid-point of guidance)		

Share gain in RF test and accelerating automotive demand

Est. test cell utilization improved to 84% at the end of October

Forecasting record orders in Q4'20 with automotive demand improving to 2018 levels

Updated Q4'20 revenue guidance mid-point is 31% higher than Q3'20 Q1'21 revenue projected to be ~ 5% higher than updated Q4'20 Reduced term loan B debt by \$20.9 million quarter-to-date in Q4'20

(1) Provided in the October 29, 2020 press release and earnings call

(2) The Q4'20 non-GAAP guidance excludes estimated pre-tax charges related to stock-based compensation of \$0.2M (CoS) and \$3.1M (Opex), and amortization of purchased intangibles of \$9.6M (Opex), and other costs as further described and reconciled, if available, in the Appendix



Strategy & Execution Yielding Results



Driving revenue growth through value-added, differentiated technologies and products focused on select end-markets

Strong operating leverage driving increased profitability



Target Financial Model

Updated Model delivers \$3.60 Non-GAAP EPS on revenue of \$940M

	2020 Est. ⁽¹⁾	2020 Est. ⁽¹⁾ Mid-term Model ⁽³⁾		Target Quarterly Model						
Revenue	\$631M	\$940M	\$190M	\$210M	\$235M	\$250M				
Gross Margin	44%	48%	46%	47%	48%	49%				
Operating Expenses	32%	25%	28%	27%	25%	24%				
Adjusted EBITDA	14%	24%	20%	22%	24%	25%				
Non-GAAP EPS	\$1.05	\$3.60	\$0.55	\$0.70	\$0.90	\$1.00				
Free Cash Flow ⁽²⁾	7%	> 17%	> 13%	> 15%	> 17%	> 18%				

Except for Revenue and Free Cash Flow, "Target Financial Model" assumptions are non-GAAP forward-looking figures; See Appendix for notes regarding use of forward-looking non-GAAP figures

(1) Reflects actual YTD 2020 results plus the mid-point of the Company's Q4'20 guidance as updated on December 1, 2020

- (2) Reflects cash from operating activities minus capital expenditures
- (3) Mid-term is 3 5 years





Capital Allocation

[\$Million]	Q3'20
Cash and Investments	\$171
Total Debt	\$346
Net Debt / Adjusted EBITDA ⁽¹⁾	3.2X

Reinvest in the business

Strong organic growth opportunities Targeting R&D at ~ 12% of sales

Repayment of the term loan B

Targeting annual repayments of ~ \$60M M&A to expand SAM and technology portfolio

Minimum cash for operations ~ \$80M

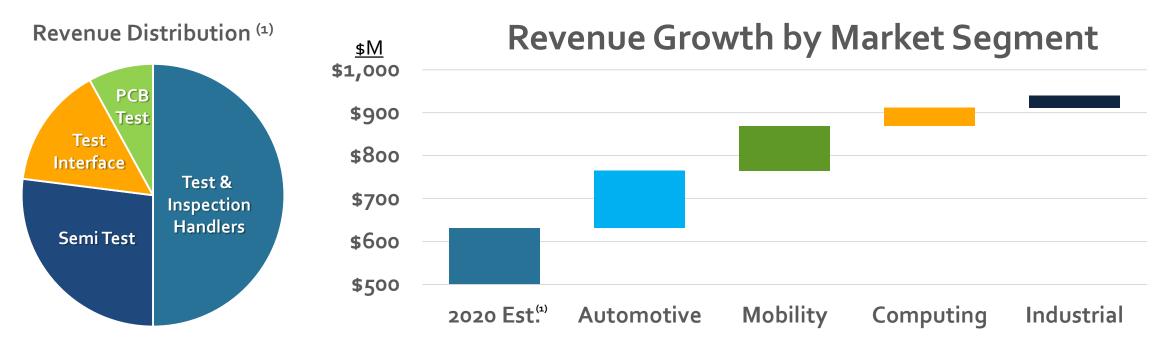
Production ramps may require additional cash to fund inventory and receivables

Term Loan B ~ \$328M at Q3'20

Balance reduced to ~ \$307M in Q4'20 Covenant-lite with no minimum coverage ratios requirement Minimum quarterly payments of \$875K (principal) plus ~ \$3M of interest at current LIBOR + 300 bps Maturity date is 10/1/2025



Path to \$940M Target



Est. 2020 Revenue ⁽¹⁾ is ~ 55% systems and ~ 45% recurring Recurring by Business: Test & Inspection Handlers 49%, Semi Test 11%, Test Interface 100%, PCB Test 34%

Leveraging market position and leading-edge products to drive revenue in high-growth applications including ADAS, xEV, RF test and inspection Unique cross-selling and test cell solutions accelerate time to yield driving revenue growth and creating strong competitive barriers

(1) Reflects actual YTD 2020 results plus the mid-point of the Company's Q4'20 guidance as updated on December 1, 2020 December 2, 2020

Investment Thesis

\$2,500M _{SAM}

\$940M Revenue **48%** Gross Margin ⁽¹⁾

23% Operating Income ⁽¹⁾

~7%

Market CAGR

Leading-edge solutions targeting select end-markets ~14%

Target Revenue CAGR

Growing 2x faster than overall market

+400 bps

Scalable Asia operations

Benefiting from mix and low-cost manufacturing centers

+1,100 bps

Disciplined Opex spending

Strong >17% free cash flow; \$60M+ annual debt repayment







Luis Müller, CEO Driving Growth & Differentiation



Jeff Jones, CFO Profitability & Shareholder Value



Chris Bohrson, GM Test & Inspection Handler Group



Devin Sheridan, GM Interface Solutions Group



Ian Lawee, GM Semiconductor Test Group





Use of Non-GAAP Financial Information:

This presentation includes non-GAAP financial measures, including non-GAAP Gross Margin/Profit, Income and Income (adjusted earnings) per share, Operating Income, Operating Expense and Adjusted EBITDA that supplement the Company's Condensed Consolidated Statements of Operations prepared under generally accepted accounting principles (GAAP). These non-GAAP financial measures adjust the Company's actual results prepared under GAAP to exclude charges and the related income tax effect for: share-based compensation, the amortization of purchased intangible assets including favorable/unfavorable lease adjustments, restructuring costs, manufacturing transition and severance costs, asset impairment charges, acquisition-related costs and associated professional fees, reduction of indemnification receivable, depreciation of purchase accounting adjustments to property, plant and equipment, purchase accounting inventory step-up included in cost of sales, and amortization of cloud-based software implementation costs (Adjusted EBITDA <u>only</u>). Reconciliations of GAAP to non-GAAP amounts for the periods presented herein are provided in this Appendix and should be considered together with the Condensed Consolidated Statements of Operations.

These non-GAAP measures are not meant as a substitute for GAAP, but are included solely for informational and comparative purposes. The Company's management believes that this information can assist investors in evaluating the Company's operational trends, financial performance, and cash generating capacity. Management uses non-GAAP measures for a variety of reasons, including to make operational decisions, to determine executive compensation in part, to forecast future operational results, and for comparison to our annual operating plan. However, the non-GAAP financial measures should not be regarded as a replacement for (or superior to) corresponding, similarly captioned, GAAP measures.

Use of Forward-Looking Non-GAAP Information:

This presentation includes non-GAAP forward looking figures that exclude estimated charges related to stock-based compensation, amortization of purchased intangibles, restructuring costs, acquisition-related costs, manufacturing transition/severance costs, inventory step-up costs, amortization of cloud-based software implementation costs (Adjusted EBITDA <u>only</u>), or other non-operational or unusual items, which we are unable predict without unreasonable efforts due to their inherent uncertainty, therefore, reconciliation of these non-GAAP forward looking figures to GAAP is not provided. Where a non-GAAP figure includes historical data and forward-looking estimates, we have reconciled the historical data, but for the foregoing reasons have not reconciled the forward-looking estimates.



GAAP to Non-GAAP Reconciliation

Gross Margin Reconciliation	<u>12 Months Ending</u> Dec 30, % of Net		<u>12 Months Ending</u> Dec 29, % of Net		<u>12 Months Ending</u> Dec 28, % of Net		<u>6 Months Ending</u> Jun 27, % of Net		<u>3 Months Ending</u> Sep 26, % of Net		<u>9 Months Ending</u> Sep 26, % of Ne	
	2017	Sales	2018	Sales	2019 ¢ 582,220	Sales	2020	Sales	2020	Sales	2020	Sales
Net Sales	\$ 352,704		\$ 451,768		\$ 583,329		\$ 283,005		\$ 150,647		\$ 433,652	
Gross Profit - GAAP	143,407	40.7%	159,308	35.3%	229,829	39.4%	117,041	41.4%	63,500	42.2%	180,541	41.6%
Share Based Compensation	423	0.1%	546	0.1%	736	0.1%	423	0.1%	218	0.1%	641	0.1%
Manufacturing transition and severance costs	0	0.0%	416	0.1%	1,211	0.2%	0	0.0%	0	0.0%	0	0.0%
Restructuring costs related to inventory in COS	0	0.0%	19,053	4.2%	2,729	0.5%	1,675	0.6%	2,606	1.7%	4,281	1.0%
Inventory Step-Up	1,404	0.4%	14,782	3.3%	6,038	1.0%	0	0.0%	0	0.0%	0	0.0%
Gross Profit - Non-GAAP	\$145,234	41.2%	\$194,105	43.0%	\$240,543	41.2%	\$119,139	42.1%	\$66,324	44.0%	\$185,463	42.8%

			<u>12 Month</u> Dec 29,	<u>12 Months Ending</u> Dec 29, % of Net		<u>12 Months Ending</u> Dec 28, % of Net		<u>6 Months Ending</u> Jun 27, % of Net		<u>3 Months Ending</u> Sep 26, % of Net		<u>9 Months Ending</u> Sep 26, % of Net		s Ending % of Net
Adjusted EBITDA Reconciliation	2017	Sales	2018	Sales	2019	Sales	2020	Sales	2020	Sales	2020	Sales	2020	Sales
Net loss attributable to Cohu - GAAP Basis	\$ 32,843	9.3%	\$ (32,181)	-7.1%	\$ (69,700)	-11.9%	\$ (22,016)	-7.8%	\$ (6,646)	-4.4%	\$ (28,662)	-6.6%	\$ (45,928)	-8.0%
Income from discontinued operations	278	0.1%	(119)	0.0%	\$ 697	0.1%	(42)	0.0%	0	0.0%	(42)	0.0%	997	0.2%
Income tax provision	2,244	0.6%	631	0.1%	\$ (3,082)	-0.5%	(855)	-0.3%	1,116	0.7%	261	0.1%	(2,982)	-0.5%
Interest expense	54	0.0%	4,977	1.1%	\$ 20,556	3.5%	7,883	2.8%	3,021	2.0%	10,904	2.5%	15,671	2.7%
Interest income	(671)	-0.2%	(1,187)	-0.3%	\$ (764)	-0.1%	(168)	-0.1%	(42)	0.0%	(210)	0.0%	(371)	-0.1%
Amortization of purchased intangible assets	4,208	1.2%	17,197	3.8%	\$ 39,590	6.8%	19,065	6.7%	9,783	6.5%	28,848	6.7%	38,463	6.7%
Depreciation	4,978	1.4%	8,850	2.0%	\$ 19,246	3.3%	6,973	2.5%	3,462	2.3%	10,435	2.4%	14,328	2.5%
Amortization of cloud-based software implementation costs	0	0.0%	0	0.0%	0	0.0%	513	0.2%	318	0.2%	831	0.2%	831	0.1%
Other Non-GAAP Adjustments	11,878	3.4%	76,171	16.9%	39,534	6.8%	13,738	4.9%	9,328	6.2%	23,066	5.3%	32,872	5.7%
Adjusted EBITDA	\$ 55,812	15.8%	\$ 74,339	16.5%	\$ 46,077	7.9%	\$25,091	8.9%	\$20,340	13.5%	\$ 45,430	10.5%	\$ 53,880	9.4%



GAAP to Non-GAAP Reconciliation

	<u>9 Months</u>	Ending			
Forming Deservitietien	Sep 26,	Diluted			
Earnings Reconciliation	2020	EPS			
Loss From Continuing Operations - GAAP	\$ (28,704)	\$ (0.68)			
Share based compensation	10,313	0.24			
Amortization of purchased intangible assets	28,848	0.68			
Manufacturing transition and severance costs	318	0.01			
Restructuring costs related to inventory in COS	4,281	0.10			
Restructuring costs	1,400	0.03			
PP&E step-up included in COS and SG&A	729	0.02			
Impairment charge	11,249	0.26			
Gain on sale of facility	(4,495)	(0.11)			
Tax effect of Non-GAAP adjustments	(5,051)	(0.12)			
Income (Loss) From Continuing Operations - Non-GAAP	\$ 18,888	\$ 0.44			
Weighted Average Shares - GAAP	Basic	41,764			
Weighted Average Shares - Non-GAAP	Diluted	42,457			
	9 Months Ending				
On creating Function Decompiliation	Sep 26,	% of Net			
Operating Expense Reconciliation	2020	Sales			
Operating Expense - GAAP	\$ 196,055	45.2%			
Share based compensation	(9,672)	-2.2%			
Amortization of purchased intangible assets	(28,848)	-6.7%			
Manufacturing transition and severance costs	(318)	-0.1%			
Restructuring costs	(1,400)	-0.3%			
PP&E step-up included in SG&A	(729)	-0.2%			
Impairment charge	(11,249)	-2.6%			
Gain on sale of facility	4,495	1.0%			
Operating Expense - Non-GAAP	\$ 148,334	32.1%			

