June 2021

Cohu Investor Presentation

Cohu

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 Semi and PCB market sizes and CAGR, Target mid-term financial model, Quarterly targets under Target Model, target revenue CAGRs by product line, secular tailwinds driving end market growth, products accelerating time to yield, delivering higher yield and extending value and productivity, any comments on Cohu's FY 2021 outlook or growth, second half 2021 outlook, debt deleveraging priority or plans, Cohu's second quarter 2021 sales forecast, guidance, sales mix, non-GAAP operating expenses, gross margin, adjusted EBITDA, effective tax rate, free cash flow, cap ex, and cash and shares outstanding, estimated minimum cash needed, plans for growth including sales CAGR, Op income % and free cash flow, any future Term Loan B principal reduction, R&D spending as % of sales, future M&A plans, Closing divestment to PCB Test business and pro forma financial impacts, and any other statements that are predictive in nature and depend upon or refer to future events or conditions, and include words such as "may," "will," "should," "would," "expect," "anticipate," "plan," "likely," "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 analyst forecasts quoted are for reference only and Cohu does not adopt or affirm any such forecasts.

Past results may not be indicative of future results. Further, 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 and results of operations; component, logistics and labor costs that are materially increasing due to COVID-19 constraints, commodity costs, availability of direct labor, increased demand and other factors; we are making investments in new products and product enhancements, which may adversely affect our operating results and these investments may not be commercially successful; we are exposed to the risks of operating a global business; we have manufacturing operations in Asia, and any failure to effectively manage multiple manufacturing sites and to secure raw materials meeting our quality, cost and other requirements, or failures by our suppliers to perform, could harm our sales, service levels and reputation; failure of critical suppliers to deliver sufficient quantities of parts in a timely and cost-effective manner could adversely impact us our operations; the semiconductor industry is seasonal, volatile and unpredictable; the semiconductor equipment and printed circuit board ("PCB") test industries are intensely competitive; semiconductor equipment is subject to rapid technological change, product introductions and transitions which may result in inventory write-offs, and our new product development involves numerous risks and uncertainties; the seasonal nature of the semiconductor equipment industry places enormous demands on our employees, operations and infrastructure; a limited number of customers account for a substantial percentage of our net sales; a majority of our revenues are generated from exports to foreign countries, primarily in Asia, that are subject to economic and political instability and we compete against a number of Asia-based test contactor, test handler, automated test equipment and PCB test suppliers; the incurrence of substantial indebtedness in connection with our financing of the Xcerra acquisition may have an adversely impact on Cohu's liquidity, limit Cohu's flexibility in responding to other business opportunities and increase Cohu's vulnerability to adverse economic and industry conditions; our Credit Agreement contains various representations and negative covenants that limit, subject to certain exceptions and baskets, our ability and/or our subsidiaries' ability to enter into financing and other transactions relating to our assets; because of high debt levels we may not be able to service our debt obligations in accordance with their terms; dilution of earnings per share due to our March 2021 follow-on equity offering; we are exposed to other risks associated with other acquisitions, investments and divestitures; we expect to continue to evaluate and pursue divestitures of non-core assets; our financial and operating results may vary and fall below analysts' estimates, or credit rating agencies may change their ratings on Cohu, any of which may cause the price of our common stock to decline or make it difficult to obtain other financing; potential goodwill impairments if our business underperforms; global economic and political conditions, including trade tariffs and export restrictions, and other regulatory requirements, have impacted our business and may continue to have an adverse impact on our business and financial condition; our business and operations could suffer in the event of cybersecurity breaches; and the PCB Test business divestment closing could be delayed or not close at all due to factors beyond our control.

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.

Cohu

Luis Müller
CEO

Driving Growth and Differentiation

Cohu

Global Technology and Market Leader

…in $6.5 billion (1) Semiconductor and PCB Markets

~$723M	~41%	~19%
LTM Revenue (1)	*Recurring Revenue (1)*	*5-year Revenue CAGR(2)*
Time to Yield	**28,000+**	**7%**
Customer Value Creation	*Equipment Installed Base*	*Est. Market CAGR (3)*

(1) *Last twelve months ending March 27, 2021*
(2) *For the period ending December 26, 2020*
(3) *Source: Gartner, June 2020 and Company estimates*

Target Model

Revenue

$940M

Gross Margin

48%

Operating Income

23%

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

Applications

- Auto ADAS & Electrification
- Industrial Automation
- Sensing & Power
- Data Processing & Storage
- Data Generation & Display
- Communications & Networking

Mobility 5G, data generation & transmission, automotive ADAS, electrification and telematics

Secular tailwinds driving end-market growth

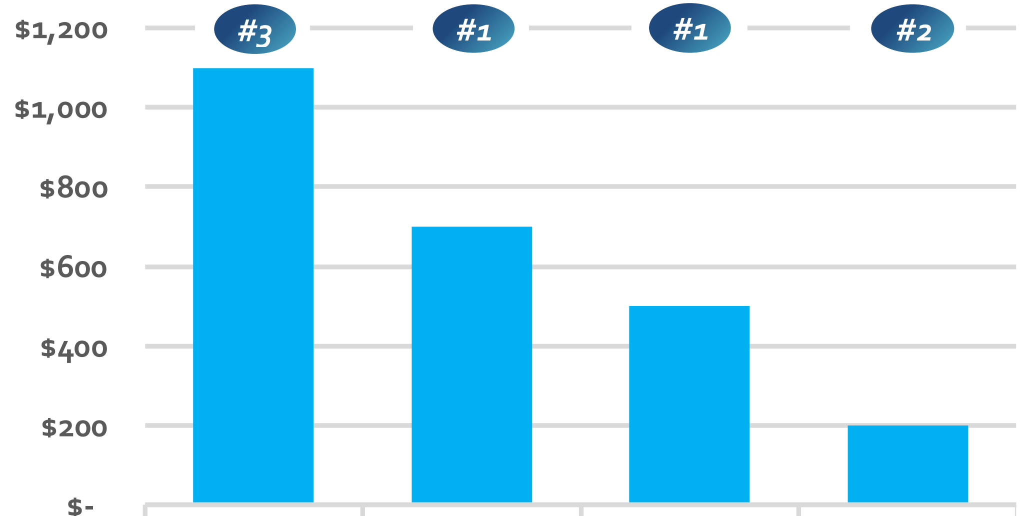
(fcst. 3-year growth)

1.5X
RF content growth driven by 5G-enabled smartphones (1)

1.4X
Increase in global data (1)

2X
ADAS and EV / HEV Semi content growth in autos (1)

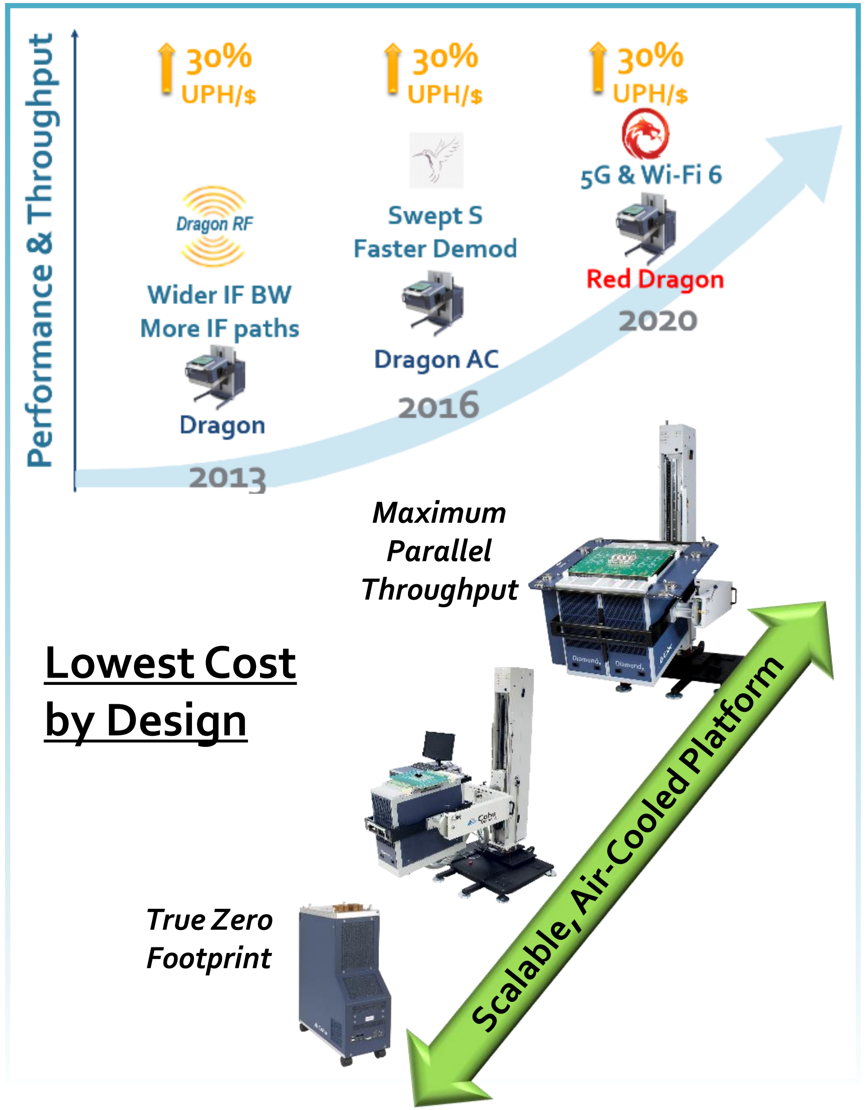
Leader in Semiconductor Test & Inspection



	Semi Test	Handler	Contactor	Inspection
Cohu SAM [$million]	*$1,100*	*$700*	*$500*	*$200*
Target Rev. CAGR (3)	*17%*	*12%*	*20%*	*12%*

(1) *Source: Gartner, June 2020*
(2) *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*

Semi Test Strategy Accelerating Time to Yield



Value Proposition	
RedDragon RF Instrument Suite	○ Higher frequency and modulation bandwidth covering emerging and legacy RF standards ○ Modular upgrade option for mmWave devices ○ Established high volume production platform is an attractive alternative to home grown rack & stack
Air-Cooled Universal Test Platform	○ Scalable from 5-slot, zero footprint test head to high test parallelism (100's of devices) ○ Platform breadth covering >35% of SoC available market is attractive to Semi customers and test subcontractors
Test Cell Solutions	○ Tester-to-Contactor calibration replaces time-consuming customer design effort and solves critical time to yield mmWave challenge

(1) *SoC – System-on-Chip*

Automation and Inspection Delivering Higher Yield

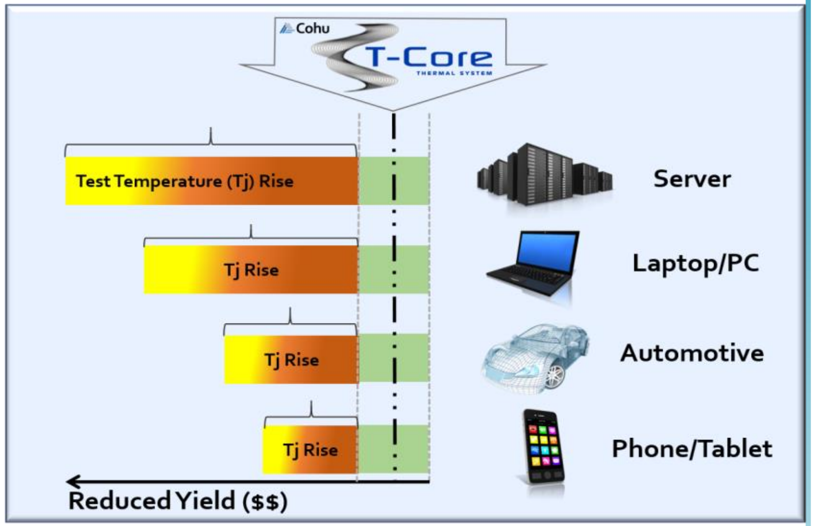


Fig 1: T-Core Thermal Control Limits Temperature (Tj) Rise

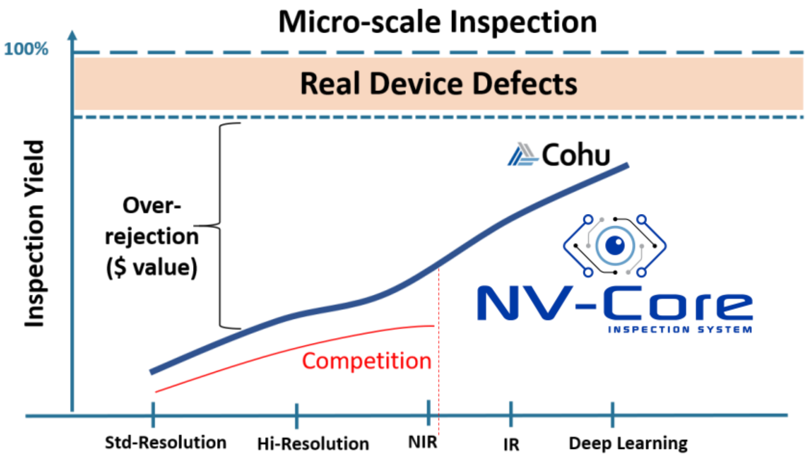


Fig 2: Deep learning algorithms minimize over-rejection

Value Proposition	
Active Thermal Control (ATC)	○ Cohu's T-Core (ATC) dynamically compensates device overheating, minimizing yield loss
Advanced Inspection	○ Cohu's NV-Core advanced vision with infrared technology inspects below the silicon surface ○ NV-Core uses deep learning algorithms to distinguish micro-cracks from cosmetic issues (scratches)
Handler Architecture	○ Isolates MEMS stimulus modules from automation to deliver "quiet" environment for precision testing
Test Cell Solutions	○ Handler T-Core architecture working with PROTRACE contactor to precisely monitor and control device temperature during testing ○ Handler incorporating inert gas chamber with Cohu contactors ensures arc-free testing for high voltage applications

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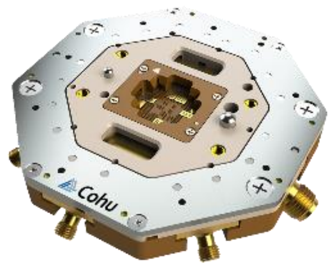
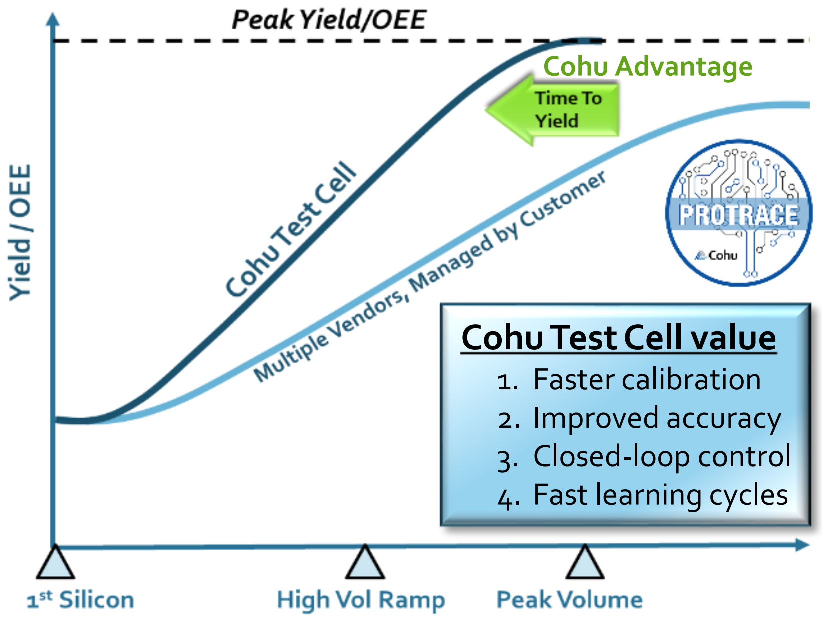
Test Contactors Extending Value in Key Segments

Cohu Solutions





Value Proposition

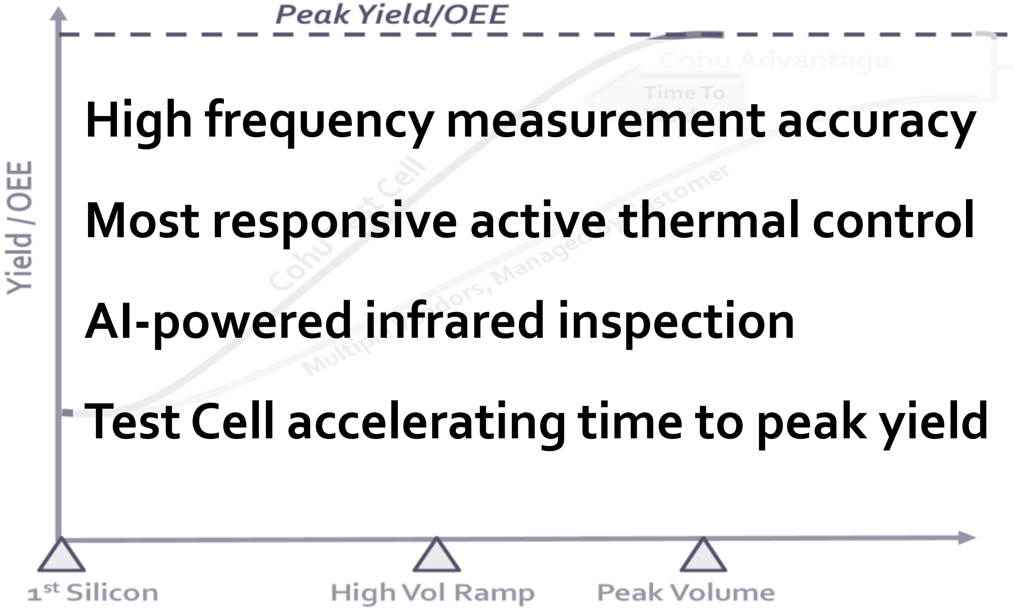
High Fidelity RF	○ Contactor platform with direct signal path for mmWave applications up to 100 GHz ○ Probe technology spanning 5G FR1 and FR2
High Performance Digital	○ Coaxial solutions provide exceptional signal isolation and impedance control, scalable for large package platforms up to 60 Gbps
Precision Analog	○ Kelvin contact solutions that scale to high power and small footprint to enable high test site density
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

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



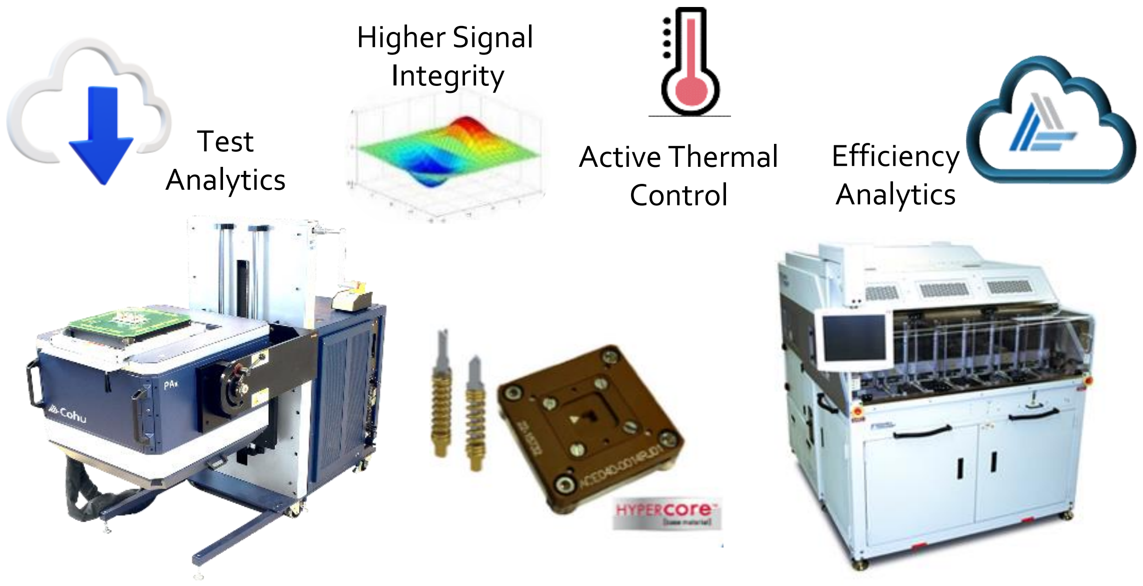
High frequency measurement accuracy

Most responsive active thermal control

AI-powered infrared inspection

Test Cell accelerating time to peak yield

Test Cell Solutions



Semi Test **Test Contactor** **Test Handler**

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Cohu Test Cell Solving Time to Yield

mmWave (5G)

PAs, LNAs, Acoustic Filters, RF Switches, Antenna Tuners

RedDragon

RF Instrument Suite

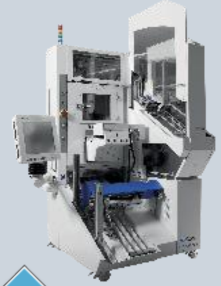
cRacer

Electrification

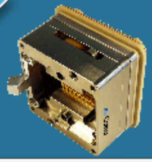
Power, Battery Management, Sensors, Wireless Control

MT9928

High Voltage Handler



ecoAmp



ADAS

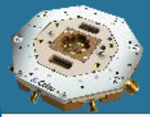
Radar, LiDAR, Vision, MCUs, Apps Processors, C-V2X

MATRiX

T-Core THERMAL SYSTEM

Automotive Tri-temp ATC(1) Handler

xWave



cBoa

Cloud Computing

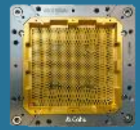
CPU, GPU, Apps Processors

Eclipse

T-Core THERMAL SYSTEM

Handler & Diamond$_X$ Tester

cStrata



PROTRACE

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(1) *Active Thermal Control*

Jeff Jones
CFO

Delivering Profitability and Shareholder Value

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Q2'21 Outlook

	Q1'21 Actual	Q2'21 Guidance
Revenue	\$225.5M	\$234 - \$250M
Gross Margin(1)	45.6%	42% - 43%
Operating Expenses(1)	\$52.2M	\$53 - 54M
Adjusted EBITDA(1)	23.9%	~ 22% (mid-point of guidance)

Low end of revenue guidance considers some supply chain uncertainty and risks associated with book-and-bill and customer acceptances

Fully diluted shares outstanding estimated at 49 million

(1) See Appendix for Q1'21 GAAP to non-GAAP reconciliations. The Q2'21 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). These forward-looking figures do not reflect restructuring costs, acquisition-related costs, other manufacturing transition/severance costs, inventory step-up costs, amortization of cloud-based software implementation costs (Adjusted EBITDA only), or other non-operational or unusual items, which we are unable predict without unreasonable efforts due to their inherent uncertainty, therefore, reconciliation of these figures to GAAP is not provided.

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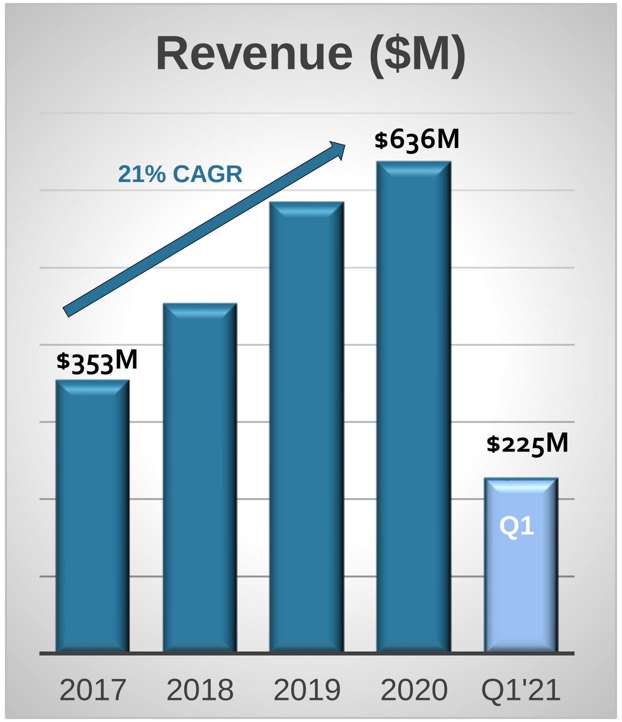
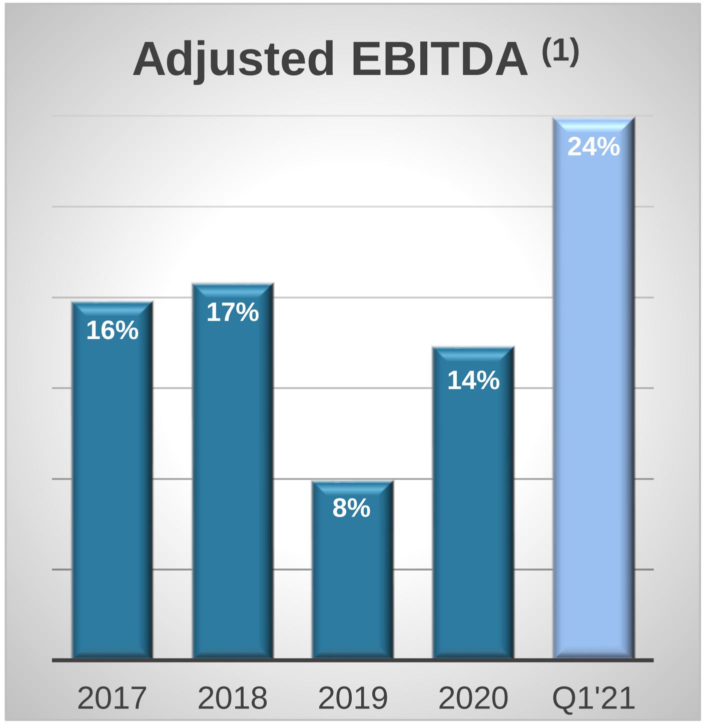
Strategy & Execution Yielding Results





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

Strong operating leverage driving increased profitability

(1) Amounts are Non-GAAP. See Appendix for GAAP to Non-GAAP reconciliations, and notes regarding use of forward-looking non-GAAP figures

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Divestment of PCB Test Business

Announced Definitive Agreement on May 10, 2021	
Rationale	Considered non-core asset for Cohu. Monetizing asset frees up capital for future semi-test investments in-line with growth strategy
Buyer	Mycronic AB (MYCR.ST)
Purchase Price	$125 million, subject to adjustment for certain closing accounts
Valuation	Approximately 2.4x LTM[(1)] revenue of $52.9 million
Payment	Cash
Estimated Net Proceeds	$95 to $100 million after transaction costs and taxes
Intended Use of Proceeds	Repay outstanding principal on term loan B facility
Anticipated Closing Date	Expect to be completed by end of June 2021, subject to customary closing conditions
Estimated Quarterly Impact	Revenue ~ $13 million; Gross Margin ~37%; Opex ~ $2.3M

(1) *For the last 12 months ending March 27, 2021*

Target Financial Model

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

Maintaining mid-term target model post sale of PCB test business assuming

- Full repayment of term loan B
- Effective tax rate of 18%
- 49 million fully diluted shares

(1) *Except for Revenue and Free Cash Flow, "Target Quarterly Model" assumptions are non-GAAP forward-looking figures and 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 only), or other non-operational or unusual items, which we are unable predict without unreasonable efforts due to their inherent uncertainty, therefore, reconciliation of these figures to GAAP is not provided. Mid-term is 3 – 5 years and there is no assurance that we will achieve these future objectives*

(2) *Reflects cash from operating activities minus capital expenditures*

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Capital Allocation

[$Million]	Q1'21	Proforma Q1'21
Cash and Investments	$291	$291
Total Debt	$224	$124
Gross Debt / Adjusted EBITDA(1)	1.7x	0.9x

Proforma Q1'21 reflects impact of PCB Test divestment assuming net proceeds of $100M used to repay debt

Reinvest in the business

Strong organic growth opportunities

Targeting R&D at ~ 12% of sales

Repayment of the term loan B

Net proceeds from divestment to repay debt

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 ~ $206M at Q1'21

Covenant-lite with no minimum coverage ratios requirement

Minimum quarterly payments of $875K (principal) plus approximately $1.8M of interest at current LIBOR + 300 bps

Maturity date is 10/1/2025

(1) *For the last 12 months ending March 27, 2021; Non-GAAP figure - see Appendix for GAAP to Non-GAAP reconciliations*

Revenue Profile

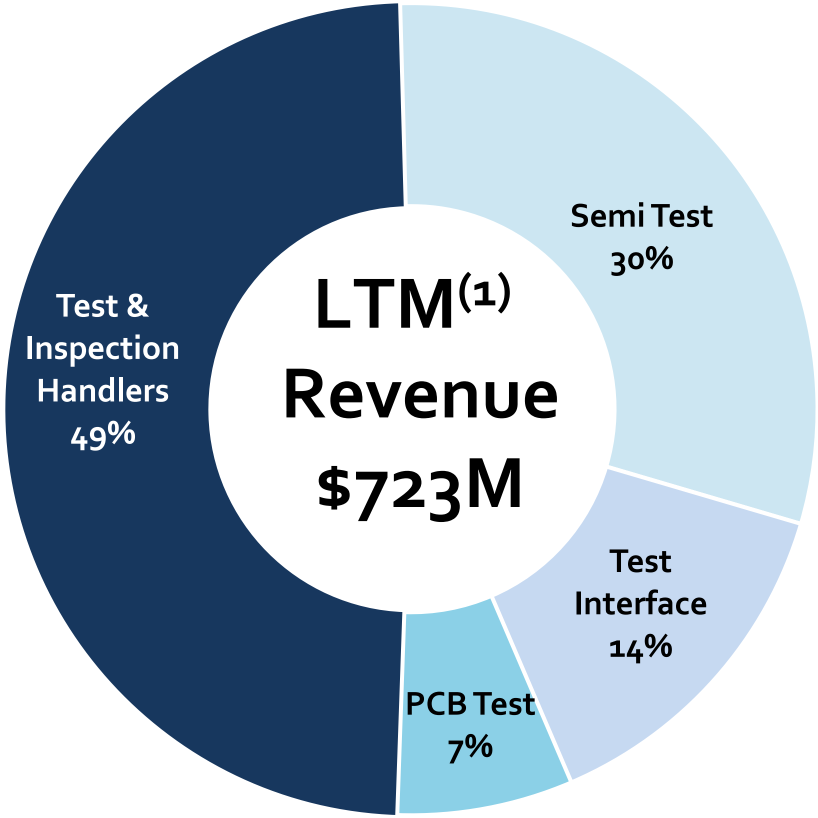
Recurring

Key Business Drivers

- Semiconductor product designs
- Growing systems installed base

LTM(1) Revenue %

~ 41%



Systems

Key Business Drivers

- Mobility wireless connectivity
- Automotive xEV and ADAS

LTM (1) Revenue %

~ 59%

(1) Last twelve months ending March 27, 2021

Path for Growth and Differentiation (1)

Above-Market Revenue Growth	Accelerating Profitability	Disciplined Capital Allocation
~14% revenue CAGR; 2x the market	*Significant operating leverage 23% operating income (2)*	*Generating $160M+ annual free-cash-flow*
Share gain with leading edge solutions in test & inspection	*Accelerating time to yield and greater productivity*	*Term loan repayment; growth investments*
Accelerating Tester and Contactor revenue growth	*New product developments with 30%+ ROIC*	*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

Appendix

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 only). 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 only), 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 Profit Reconciliation	12 Months Ending Dec 30, 2017	% of Net Sales	12 Months Ending Dec 29, 2018	% of Net Sales	12 Months Ending Dec 28, 2019	% of Net Sales	12 Months Ending Dec 26, 2020	% of Net Sales	3 Months Ending Mar 27, 2021	% of Net Sales
Net Sales	$ 352,704		$ 451,768		$ 583,329		$ 636,007		$ 225,488	
Gross Profit - GAAP	143,407	40.7%	159,308	35.3%	229,829	39.4%	271,782	42.7%	102,205	45.3%
Share Based Compensation	423	0.1%	546	0.1%	736	0.1%	893	0.1%	262	0.1%
Manufacturing transition and severance costs	0	0.0%	416	0.1%	1,211	0.2%	26	0.0%	0	0.0%
Restructuring costs related to inventory in COS	0	0.0%	19,053	4.2%	2,729	0.5%	3,731	0.6%	400	0.2%
Inventory Step-Up	1,404	0.4%	14,782	3.3%	6,038	1.0%	0	0.0%	0	0.0%
Gross Profit - Non-GAAP	$145,234	41.2%	$194,105	43.0%	$240,543	41.2%	$276,432	43.5%	$102,867	45.6%

Adjusted EBITDA Reconciliation	12 Months Ending Dec 30, 2017	% of Net Sales	12 Months Ending Dec 29, 2018	% of Net Sales	12 Months Ending Dec 28, 2019	% of Net Sales	12 Months Ending Dec 26, 2020	% of Net Sales	3 Months Ending Mar 27, 2021	% of Net Sales	12 Months Ending Mar 27, 2021	% of Net Sales
Net income (loss) attributable to Cohu - GAAP Basis	$ 32,843	9.3%	$ (32,181)	-7.1%	$ (69,700)	-11.9%	$ (13,801)	-2.2%	$ 27,607	12.2%	$ 31,082	4.3%
Income from discontinued operations	278	0.1%	(119)	0.0%	697	0.1%	(42)	0.0%	0	0.0%	0	0.0%
Income tax provision	2,244	0.6%	631	0.1%	(3,082)	-0.5%	666	0.1%	3,575	1.6%	5,233	0.7%
Interest expense	54	0.0%	4,977	1.1%	20,556	3.5%	13,759	2.2%	2,575	1.1%	11,907	1.6%
Interest income	(671)	-0.2%	(1,187)	-0.3%	(764)	-0.1%	(224)	0.0%	(50)	0.0%	(127)	0.0%
Amortization of purchased intangible assets	4,208	1.2%	17,197	3.8%	39,590	6.8%	38,746	6.1%	9,244	4.1%	38,452	5.3%
Depreciation	4,978	1.4%	8,850	2.0%	19,246	3.3%	14,000	2.2%	3,323	1.5%	13,907	1.9%
Amortization of cloud-based software implementation costs	0	0.0%	0	0.0%	0	0.0%	1,191	0.2%	370	0.2%	1,356	0.2%
Other Non-GAAP Adjustments	11,878	3.4%	76,171	16.9%	39,534	6.8%	33,524	5.3%	7,324	3.2%	31,219	4.3%
Adjusted EBITDA	$ 55,812	15.8%	$ 74,339	16.5%	$ 46,077	7.9%	$87,819	13.8%	$ 53,968	23.9%	$ 133,029	18.4%

Operating Expense Reconciliation	3 Months Ending Mar 27, 2021	% of Net Sales
Operating Expense - GAAP	$ 66,475	29.5%
Share based compensation	(3,261)	-1.4%
Amortization of purchased intangible assets	(9,244)	-4.1%
Restructuring costs	(1,340)	-0.6%
PP&E step-up included in SG&A	(145)	-0.1%
Payroll taxes related to accelerated vesting of share-based awards	(300)	-0.1%
Operating Expense - Non-GAAP	$ 52,185	23.1%

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