August 2021

# Cohu Investor Presentation

# 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 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, improving contactor margins/operational efficiencies/lead-times, delivering customer value through test cell, being on track for record full year revenue and profitability, benefiting from strong 5G mobility, automotive and improving consumer and industrial semiconductor demand, new customers and design wins, DI-Core software platform, optimizing operating expenses, any other comments on Cohu's FY 2021 outlook or growth, second half or fourth quarter 2021 outlook, target financial model for FY'21, % of incremental revenue expected to fall to operating income, debt deleveraging priority, Cohu's third quarter 2021 sales forecast, guidance, sales mix, non-GAAP operating expenses, gross margin, operating income, adjusted EBITDA, effective tax rate, free cash flow, cap ex, cash and shares outstanding, estimated minimum cash needed, estimated EBITDA breakeven point, any future Term Loan B principal reduction, non-cash charges, Target Model est. revenue CAGR, operating income and free cash flow and/or any other statements that are predictive in nature and depend upon or refer to future events or conditions, and/or include words such as "may," "will," "should," "would," "expect," "anticipate," "plan," "likely," "believe," "estimate," "project," "intend," and/or 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 reports/forecasts quoted are for reference only and Cohu does not adopt or affirm any such forecasts.

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; ongoing increases in material, labor, supplier, logistics and other operating costs, or supply chain delays, could cause lower gross margins or lost sales and adversely impact our business, financial position, results of operations and cash flows; potential post-closing PCB Test sale purchase price adjustment based on final closing accounts mechanism; 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 our operations; the semiconductor industry is seasonal, volatile and unpredictable; the semiconductor equipment industry is 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 and automated test equipment suppliers; the incurrence of substantial indebtedness in connection with our financing of the Xcerra acquisition may have an adverse 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; and our business and operations could suffer in the event of cybersecurity breaches.

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

# Global Technology and Market Leader

## …in $6.5 billion (1) Semiconductor Markets

| ~$823M | ~38% | ~19% |
| --- | --- | --- |
| *LTM Revenue (1)* | *Recurring Revenue (1)* | *5-year Revenue CAGR(2)* |

| Time to Yield | 23,500+ | 7% |
| --- | --- | --- |
| *Customer Value Creation* | *Equipment Installed Base* | *Est. Market CAGR (3)* |

Qualcomm, intel, Texas Instruments, Skyworks, Microchip, NXP, infineon, ST life.augmented, Samsung Semiconductors, Analog Devices

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

Cohu

# 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

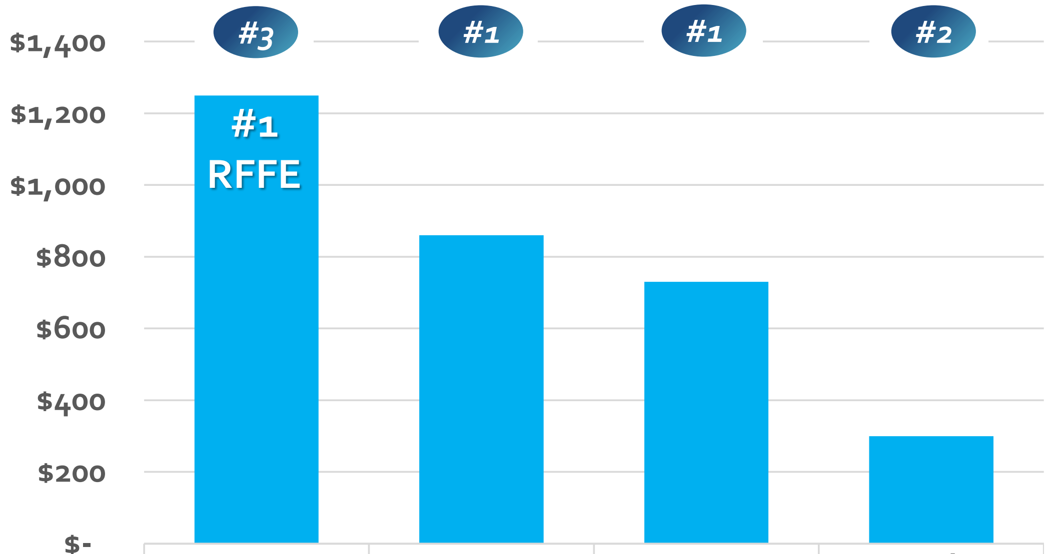
*(fcst. 3-year growth)*

**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



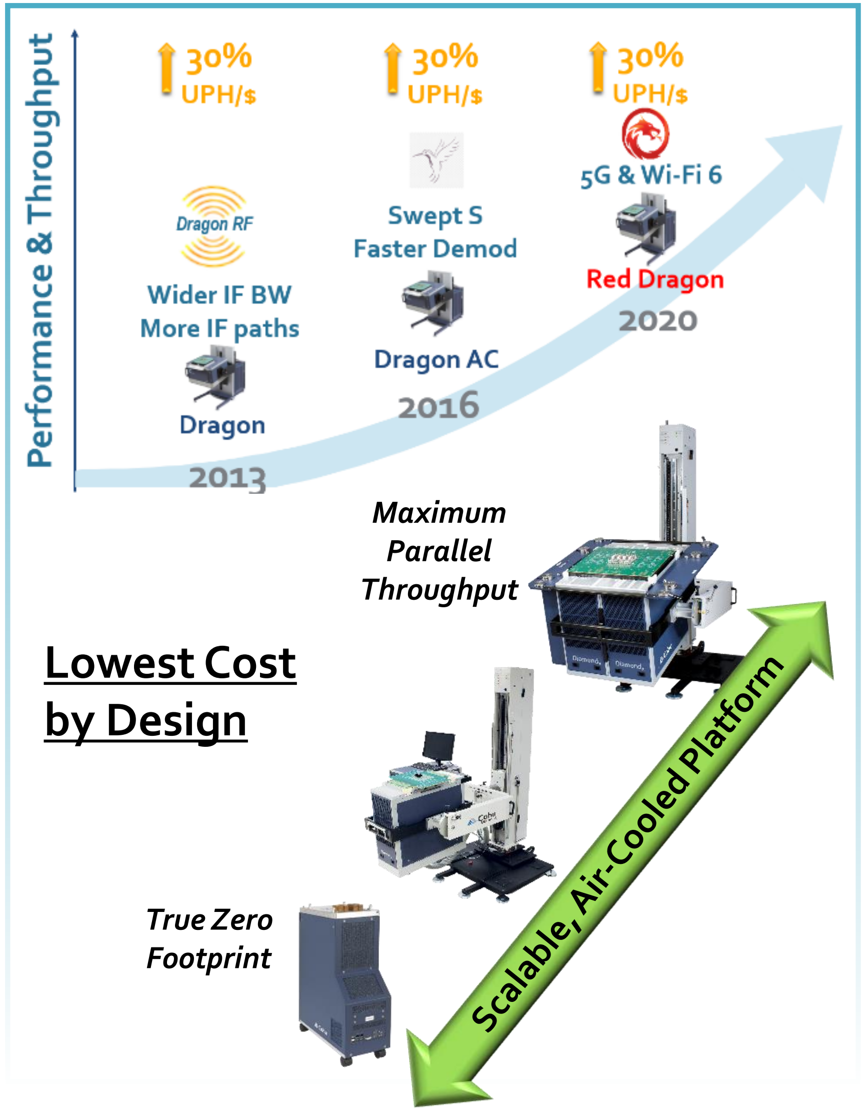

| | Semi Test | Contactor | Handler | Inspection & Metrology |
|---|---|---|---|---|
| *Cohu SAM [$million]* | *$1,250* | *$860* | *$730* | *$300* |
| *Target Rev. CAGR* | *17%* | *20%* | *12%* | *12%* |

*RFFE – RF Front-End*

*(1) Source: Gartner, June 2020*
*(2) SAM: Serviceable Addressable Market are VLSI Research report 2020 and company estimates*
*(3) 3-year target revenue CAGR per business segment to achieve Cohu mid-term target model*

Cohu

# Semi Test Strategy Accelerating Time to Yield




| Value Proposition | |
|---|---|
| ***RedDragon RF Instrument Suite*** | ○ Higher frequency and modulation bandwidth covering emerging and legacy RF standards<br>○ Modular upgrade option for mmWave devices<br>○ 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)<br>○ 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*

Cohu

# Automation and Inspection Delivering Higher Yield

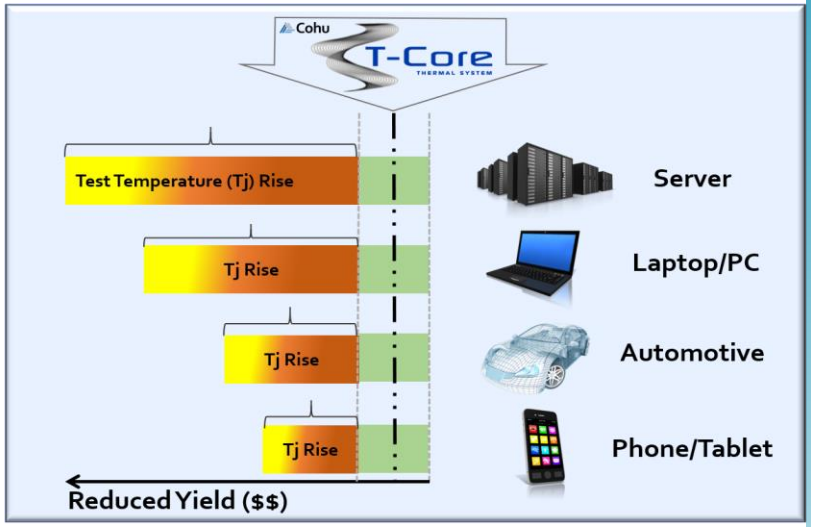



Fig 1: T-Core Thermal Control Limits Temperature (Tj) Rise

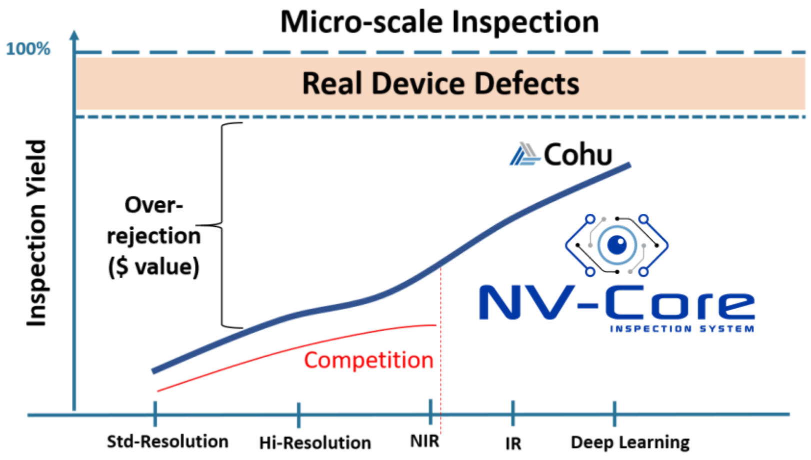


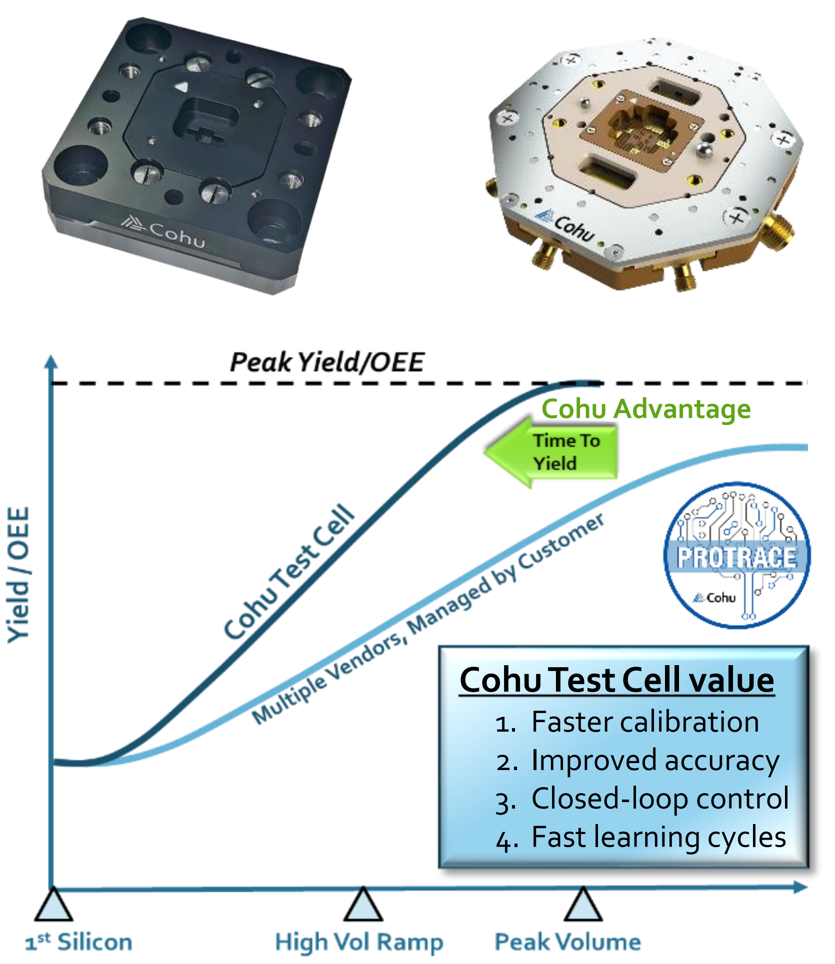

Fig 2: Deep learning algorithms minimize over-rejection

| 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<br>○ 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<br>○ Handler incorporating inert gas chamber with Cohu contactors ensures arc-free testing for high voltage applications |

Cohu

# Test Contactors Extending Value in Key Segments

## Cohu Solutions



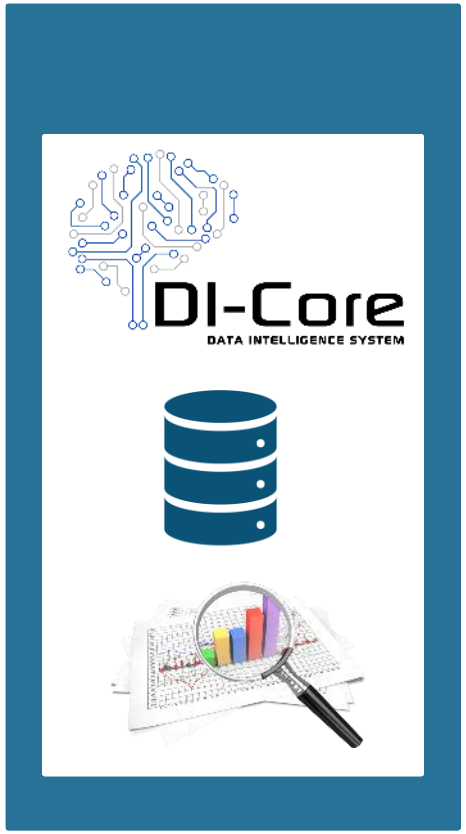

## Value Proposition

| | |
|---|---|
| ***High Fidelity RF*** | ○ Contactor platform with direct signal path for mmWave applications up to 100 GHz<br>○ 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<br>○ 5G Interceptor extending test instrumentation to mmWave and calibration to the device under test |

Cohu

# Data Intelligence (DI-Core)

## Cohu Equipment



- Real-time equipment monitoring and data analytics for I4.0 factory automation
- Delivering high OEE *(Overall Equipment Efficiency)* with predictive maintenance and alarm diagnostic tools
- Improving quality and yield with extended device traceability
- Higher efficiency with intelligent data collection, expert database and recommended actions

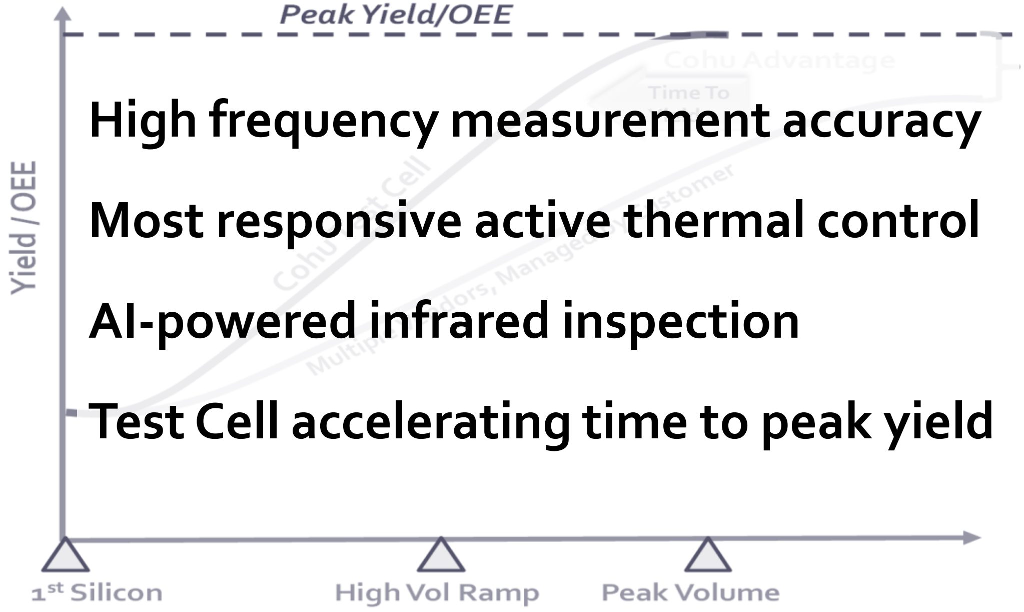
Access and Collect → Transform, Structure and Analyze → Report, Conclude and Act

# Delivering Customer Value

## Accelerating ***time to yield*** and ***greater productivity*** through the test cell

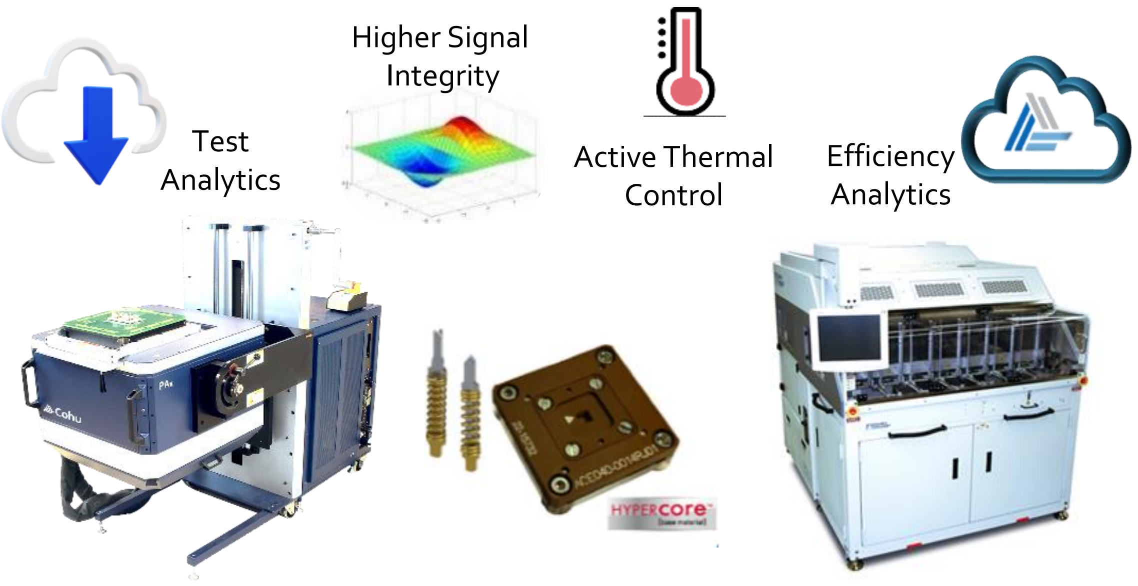
*2% higher yield in the semiconductor test and inspection ~ pays for Capex*

**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**

Cohu

# Cohu Test Cell Solving Time to Yield



## mmWave (5G)

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

**RedDragon**

**RF Instrument Suite**

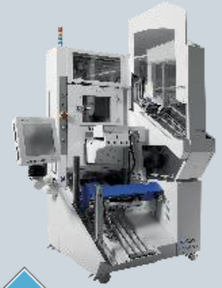
**cRacer**

## Electrification

Power, Battery Management, Sensors, Wireless Control

**MT9928**

**High Voltage Handler**



**ecoAmp**

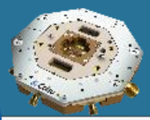
## ADAS

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

**MATRiX** T-Core THERMAL SYSTEM

**Automotive Tri-temp ATC(1) Handler**

**xWave**



**cBoa**

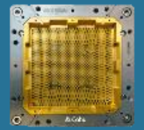
## Cloud Computing

CPU, GPU, Apps Processors

**Eclipse** T-Core THERMAL SYSTEM

**Handler & Diamond$_X$ Tester**

**cStrata**



PROTRACE Cohu

(1) *Active Thermal Control*

Cohu

Jeff Jones
CFO

# Delivering Profitability and Shareholder Value

# Q3’21 Outlook

| | Q2’21 Actual | Q3’21 Guidance(2) | Mid-Term(3) Annual Target |
|---|---|---|---|
| Revenue | $244.8M | $220 - $235M | $940M |
| Gross Margin(1) | 42.7% | ~ 42% | 48% |
| Operating Expenses(1) | $52.8M | $51 - 52M | $235M |
| Adjusted EBITDA(1) | 22.6% | ~ 21% (mid-point of guidance) | 25% |
| EPS(1) | $0.89 | | $3.60 |

**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 49.6 million**

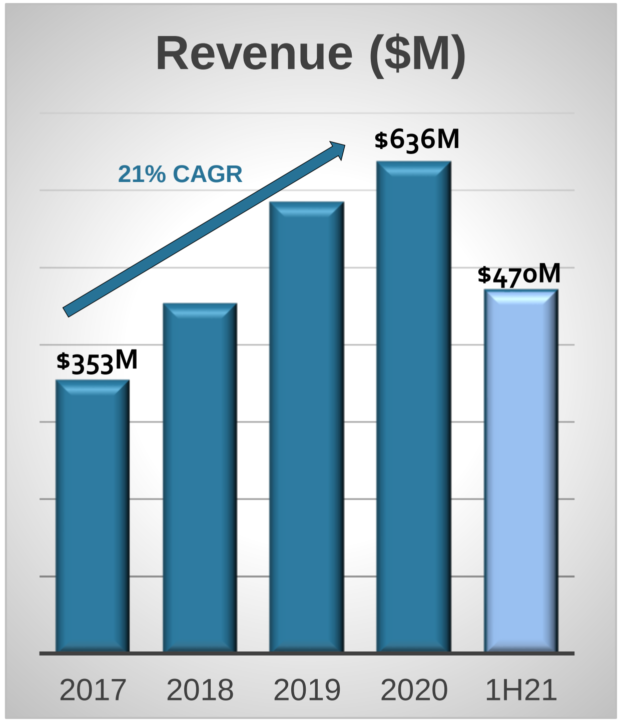
(1) See Appendix for Q2’21 GAAP to non-GAAP reconciliations. The Q3’21 non-GAAP guidance excludes estimated pre-tax charges related to stock-based compensation of $0.2M (CoS) and $3.1M (Opex), and amortization of purchased intangibles of $9.6M (Opex). These forward-looking figures do not reflect restructuring 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.

(2) Q3’21 guidance as provided on 7/29/21; excludes PCB test business sold on 6/24/21

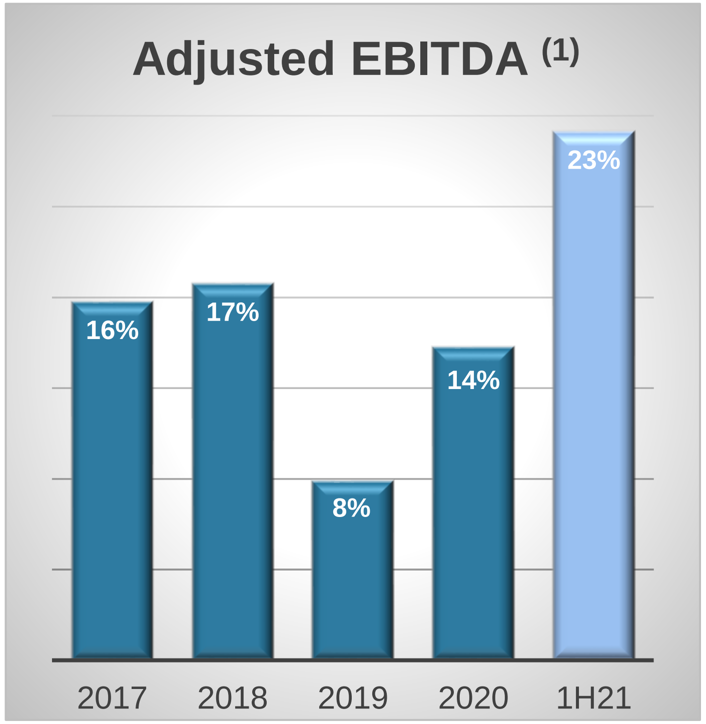
(3) Mid-Term means 3 – 5 year goals

Cohu

# 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*

Cohu

# Capital Allocation

| *[$Million]* | Q2'21 | Proforma Q2'21 |
|---|---|---|
| Cash and Investments | $434 | $334 |
| Total Debt | $221 | $121 |
| Gross Debt / Adjusted EBITDA(1) | 1.3x | 0.7x |

*Proforma Q2'21 reflects impact of $100M debt repayment in early Q3*

## 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 used 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 ~ $204M at Q2'21

- Reduced to $104M in early Q3
- 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 June 26, 2021; Non-GAAP figure - see Appendix for GAAP to Non-GAAP reconciliations*

# Revenue Profile

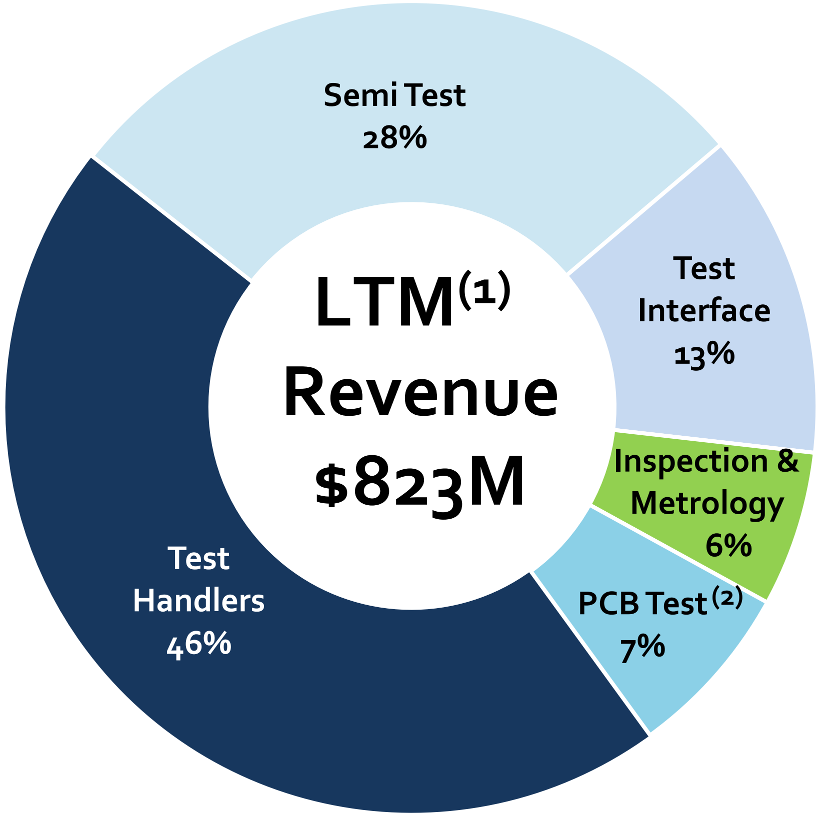
## Recurring

*Key Business Drivers*

- Semiconductor product designs
- Growing systems installed base

*LTM(1) Revenue %*

**~ 38%**




## Systems

*Key Business Drivers*

- Mobility wireless connectivity
- Automotive xEV and ADAS

*LTM (1) Revenue %*

**~ 62%**

(1) *Last twelve months ending June 26, 2021*
(2) *PCB Test business was divested on June 24, 2021*

Cohu

# 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*

Cohu

# 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, Adjusted EBITDA and effective tax rate 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.

Cohu

# GAAP to Non-GAAP Reconciliation

| Earnings Reconciliation | 3 Months Ending Jun 26, 2021 | Diluted EPS |
|---|---|---|
| Income (Loss) From Continuing Operations - GAAP | $ 95,096 | $ 1.92 |
| Share based compensation | 3,506 | $ 0.07 |
| Amortization of purchased intangible assets | 9,045 | $ 0.18 |
| Restructuring costs related to inventory in COS | (263) | $ (0.01) |
| Restructuring costs | 617 | $ 0.01 |
| PP&E step-up included in COS and SG&A | 145 | $ 0.00 |
| Gain on sale of PCB Test business | (75,779) | $ (1.53) |
| Tax effect of Non-GAAP adjustments | 11,853 | $ 0.25 |
| Income (Loss) From Continuing Operations - Non-GAAP | $44,220 | $ 0.89 |
| Weighted Average Shares - GAAP | Basic | 48,555 |
| Weighted Average Shares - Non-GAAP | Diluted | 49,474 |

| 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 Jun 26, 2021 | % of Net Sales | 6 Months Ending Jun 26, 2021 | % of Net Sales |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Net Sales | $ 352,704 | | $ 451,768 | | $ 583,329 | | $ 636,007 | | $ 244,803 | | $ 470,291 | |
| Gross Profit - GAAP | 143,407 | 40.7% | 159,308 | 35.3% | 229,829 | 39.4% | 271,782 | 42.7% | 104,657 | 42.8% | 206,862 | 44.0% |
| Share Based Compensation | 423 | 0.1% | 546 | 0.1% | 736 | 0.1% | 893 | 0.1% | 191 | 0.1% | 453 | 0.1% |
| Restructuring costs related to inventory in COS | 0 | 0.0% | 19,053 | 4.2% | 2,729 | 0.5% | 3,731 | 0.6% | (263) | -0.1% | 137 | 0.0% |
| Manufacturing transition and severance costs | 0 | 0.0% | 0 | 0.0% | 1,211 | 0.2% | 26 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| 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% | $193,689 | 42.9% | $ 240,543 | 41.2% | $ 276,432 | 43.5% | $ 104,585 | 42.7% | $ 207,452 | 44.1% |

| Operating Expense Reconciliation | 3 Months Ending Jun 26, 2021 | % of Net Sales |
|---|---|---|
| Operating Expense - GAAP | $ 65,919 | 26.9% |
| Share based compensation | (3,315) | -1.4% |
| Amortization of purchased intangible assets | (9,045) | -3.7% |
| Restructuring costs | (617) | -0.3% |
| PP&E step-up included in SG&A | (145) | -0.1% |
| Operating Expense - Non-GAAP | $52,797 | 21.6% |

Cohu

# GAAP to Non-GAAP Reconciliation

| 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 |
|---|---|---|---|---|---|---|---|---|
| Net income (loss) attributable to Cohu - GAAP Basis | $ 32,843 | 9.3% | $ (32,181) | -7.1% | $ (69,700) | -11.9% | $ (13,801) | -2.2% |
| Income from discontinued operations | 278 | 0.1% | (119) | 0.0% | 697 | 0.1% | (42) | 0.0% |
| Income tax provision (benefit) | 2,244 | 0.6% | 631 | 0.1% | (3,082) | -0.5% | 666 | 0.1% |
| Interest expense | 54 | 0.0% | 4,977 | 1.1% | 20,556 | 3.5% | 13,759 | 2.2% |
| Interest income | (671) | -0.2% | (1,187) | -0.3% | (764) | -0.1% | (224) | 0.0% |
| Amortization of purchased intangible assets | 4,208 | 1.2% | 17,197 | 3.8% | 39,590 | 6.8% | 38,746 | 6.1% |
| Depreciation | 4,978 | 1.4% | 8,850 | 2.0% | 19,246 | 3.3% | 14,000 | 2.2% |
| Amortization of cloud-based software implementation costs | - | 0.0% | - | 0.0% | - | 0.0% | 1,191 | 0.2% |
| Loss on extinguishment of debt | - | 0.0% | - | 0.0% | - | 0.0% | - | 0.0% |
| Other Non-GAAP Adjustments | 11,878 | 3.4% | 76,171 | 16.9% | 39,534 | 6.8% | 33,524 | 5.3% |
| Adjusted EBITDA | $55,812 | 15.8% | $ 74,339 | 16.5% | $ 46,077 | 7.9% | $87,819 | 13.8% |

| Adjusted EBITDA Reconciliation | 3 Months Ending Jun 26, 2021 | % of Net Sales | 6 Months Ending Jun 26, 2021 | % of Net Sales | LTM Ending Jun 26, 2021 | % of Net Sales |
|---|---|---|---|---|---|---|
| Net income (loss) attributable to Cohu - GAAP Basis | $ 95,096 | 38.8% | $ 122,703 | 26.1% | $ 130,918 | 15.9% |
| Income from discontinued operations | - | 0.0% | - | 0.0% | - | 0.0% |
| Income tax provision (benefit) | 17,659 | 7.2% | 21,234 | 4.5% | 22,755 | 2.8% |
| Interest expense | 1,831 | 0.7% | 4,406 | 0.9% | 10,282 | 1.2% |
| Interest income | (94) | 0.0% | (144) | 0.0% | (200) | 0.0% |
| Amortization of purchased intangible assets | 9,045 | 3.7% | 18,289 | 3.9% | 37,970 | 4.6% |
| Depreciation | 3,385 | 1.4% | 6,708 | 1.4% | 13,735 | 1.7% |
| Amortization of cloud-based software implementation costs | 378 | 0.2% | 748 | 0.2% | 1,426 | 0.2% |
| Loss on extinguishment of debt | - | 0.0% | 1,761 | 0.4% | 1,761 | 0.2% |
| Other Non-GAAP Adjustments | (71,919) | -29.4% | (66,241) | -14.1% | (46,455) | -5.6% |
| Adjusted EBITDA | $55,381 | 22.6% | $109,464 | 23.3% | $172,192 | 20.9% |

Cohu