

The background is a composite image with a warm, orange-brown color palette. It features a car in the foreground, robotic arms in the middle ground, solar panels on the left, and wind turbines on the right. The overall theme is modern technology and sustainable industry.

Quarterly Investor Presentation

Third Quarter 2022

Safe Harbor Statement and Non-GAAP and Forecast Information

This document includes “forward-looking statements,” as that term is defined in Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. All statements, other than statements of historical facts, included or incorporated in this document could be deemed forward-looking statements, particularly statements about the future financial performance of onsemi, including financial guidance for the year ending December 31, 2022. Forward-looking statements are often characterized by the use of words such as “believes,” “estimates,” “expects,” “projects,” “may,” “will,” “intends,” “plans” or “anticipates” or by discussions of strategy, plans or intentions. All forward-looking statements in this document are made based on our current expectations, forecasts, estimates and assumptions and involve risks, uncertainties and other factors that could cause results or events to differ materially from those expressed in the forward-looking statements. Certain factors that could affect our future results or events are described under Part I, Item 1A “Risk Factors” in the 2021 Annual Report on Form 10-K filed with the Securities and Exchange Commission (“SEC”) on February 14, 2022 (the “2021 Form 10-K”) and from time to time in our other SEC reports. Readers are cautioned not to place undue reliance on forward-looking statements. We assume no obligation to update such information, except as may be required by law. You should carefully consider the trends, risks and uncertainties described in this document, our 2021 Form 10-K and subsequent reports filed with or furnished to the SEC before making any investment decision with respect to our securities. If any of these trends, risks or uncertainties actually occurs or continues, our business, financial condition or operating results could be materially adversely affected, the trading prices of our securities could decline, and you could lose all or part of your investment. All forward-looking statements attributable to us or persons acting on our behalf are expressly qualified in their entirety by this cautionary statement.

Creating Shareholder Value



Aligned to **fast-growing secular megatrends** in automotive and industrial end-markets



Significant **gross margin expansion** driven by manufacturing consolidation, portfolio optimization and mix



Significant **growth in Free Cash Flow** – disciplined and shareholder-friendly investment policy



New leadership with history of execution and driving **transformation**



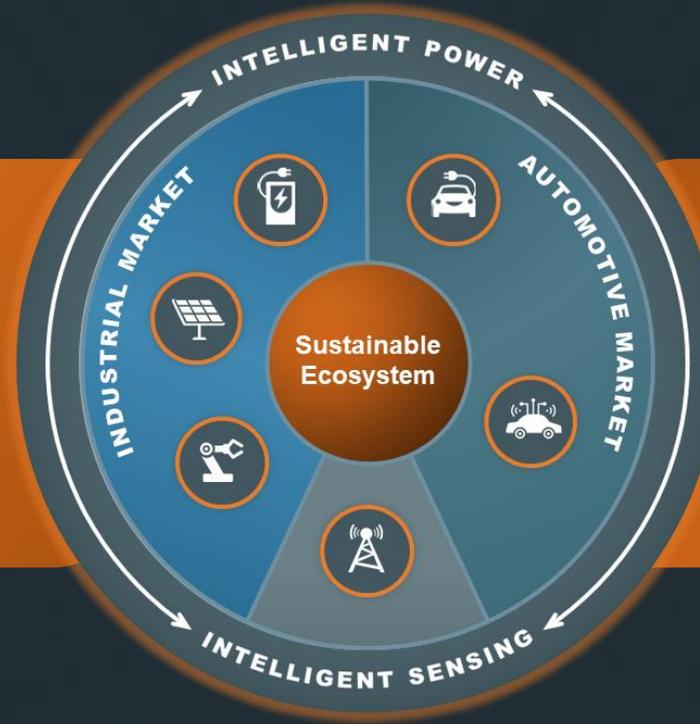
Disciplined execution to drive **sustainable results**

The **onsemi** Customer Promise

We add intelligence through integration to create value-based solutions

We drive disruptive technologies to empower a strong, sustainable ecosystem

**INTELLIGENT
POWER SOLUTIONS**
enable customers to exceed
range targets with lower
weight, and reduce system cost
through unparalleled efficiency



**INTELLIGENT
SENSING SOLUTIONS**
offer the proprietary
features customers require
to meet their most
demanding use cases

onsemi's Intelligent Power and Sensing solutions give customers the power of the "AND" while delivering the most advanced features to achieve optimal results



Power and **Sensing** go hand-in-hand. Together, they are driving **massive disruption** in industrial and automotive markets



Synergistic goals drive investments in **industrial automation** for all industries, including automotive

Intelligent Power and Sensing are a Winning Combination

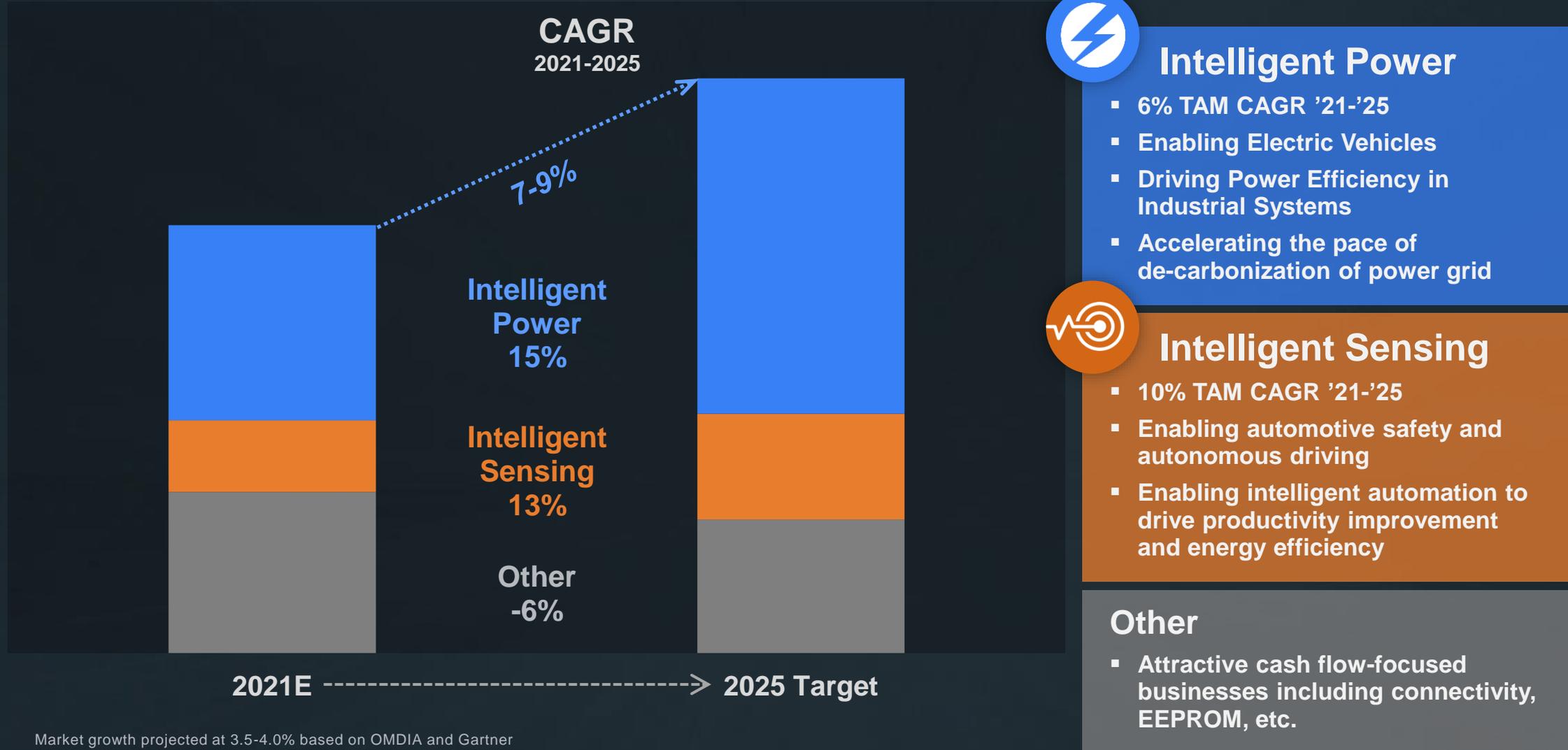


Customers value **innovation** and differentiation to develop a **sustainable ecosystem**



Trends in **adjacent markets** present new **opportunities** to **leverage** similar technologies, e.g., Cloud Power

Intelligent Power and Sensing Drive 2X Market Growth



Market growth projected at 3.5-4.0% based on OMDIA and Gartner

Intelligent Power – includes Power discrete, power modules, Analog Power IC

Intelligent Sensing – includes image sensors, LiDAR, Ultrasonic sensor interface, image processors

Other – includes connectivity, logic, MCU, Optocouplers, EEPROMs, small signal products, Zener diodes, etc.

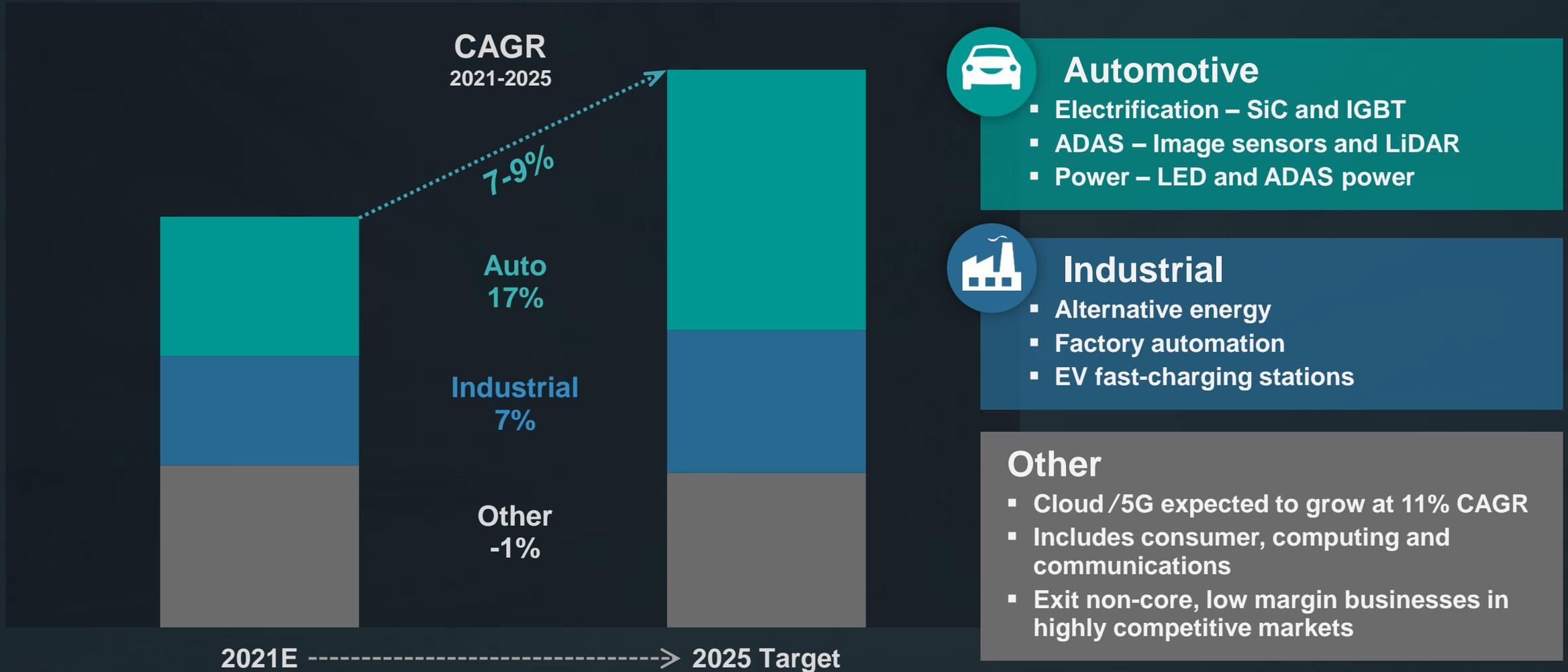
Sources:

OMDIA – Power Discrete & Module Market Tracker – Preliminary – 2020, Jul '21

OMDIA – Power IC Market Tracker – Preliminary 2020, May '21

Use 2021-24 CAGR as growth rate for 2025 Power IC in Power

Automotive and Industrial Markets to Fuel Growth



Auto and Industrial Projected to Grow to 75% of Revenue from 60% in 2021

onsemi's SiC Leadership

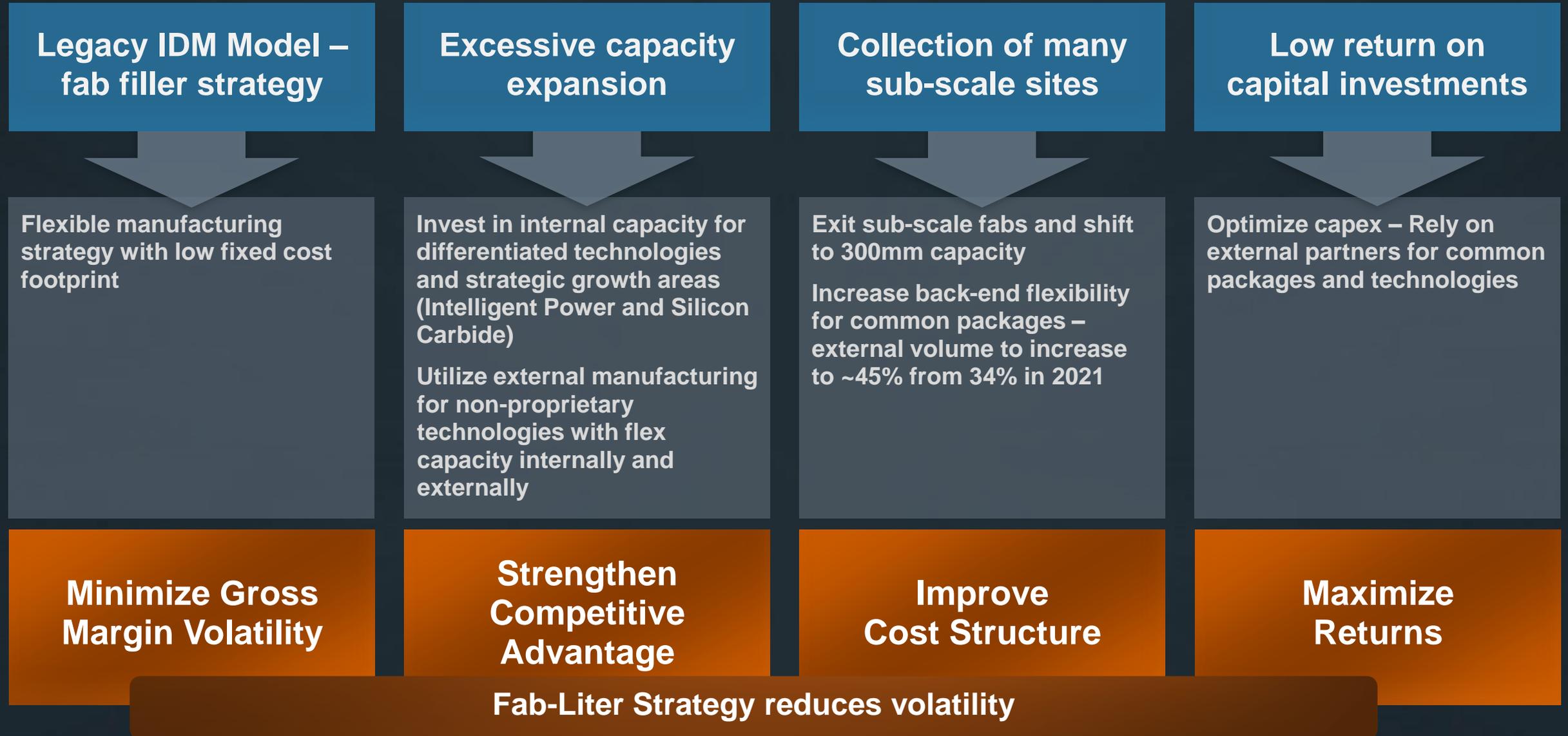
Fueling high-growth megatrends for a sustainable ecosystem



- **SiC end-to-end capabilities** provide unmatched supply assurance
- **Differentiated technology**
 - **SiC technology** – Highest efficiency and longer-range from cell and trench structure
 - **Package technology** – High power density for the most efficient interconnect and direct cooling
- **Leading Portfolio**
 - Broad range of **Power and Sensing solutions**

onsemi is uniquely positioned to win in Silicon Carbide

Shifting to Fab-Liter Manufacturing



Capital Expenditures Drive Differentiation & Leadership

Enabling 300mm capabilities at East Fishkill

- 300mm will provide significant cost advantage in front-end costs
- Accelerate fab consolidation process

Silicon Carbide

- GTAT expansion
- Expansion in die capacity
- Grow competitive advantage in modules

Power and Packaging

- Expand capacity for power products
- Invest to expand competitive advantage in packaging

Member of
**Dow Jones
Sustainability
Indices**

**Fourth consecutive
years** in Dow Jones
Sustainability Index



One of four semiconductor companies included within the **electronics and semiconductor industry** in 2022 for **seven consecutive years**



In 2021, onsemi maintained its **ESG "A"** rating from MSCI



Recognized as **"Prime"** in 2021 (top 20% of semiconductor companies)

onsemi
commits to
NET ZERO
by 2040



Top 1% of 912 companies assessed in the "Manufacture of electronic components and boards" industry



Third consecutive year, **#53 out of 499** U.S.-based companies across 14 industries



Second consecutive year, ranked #52 on Investor's Business Daily **100 Best ESG Companies** for 2022

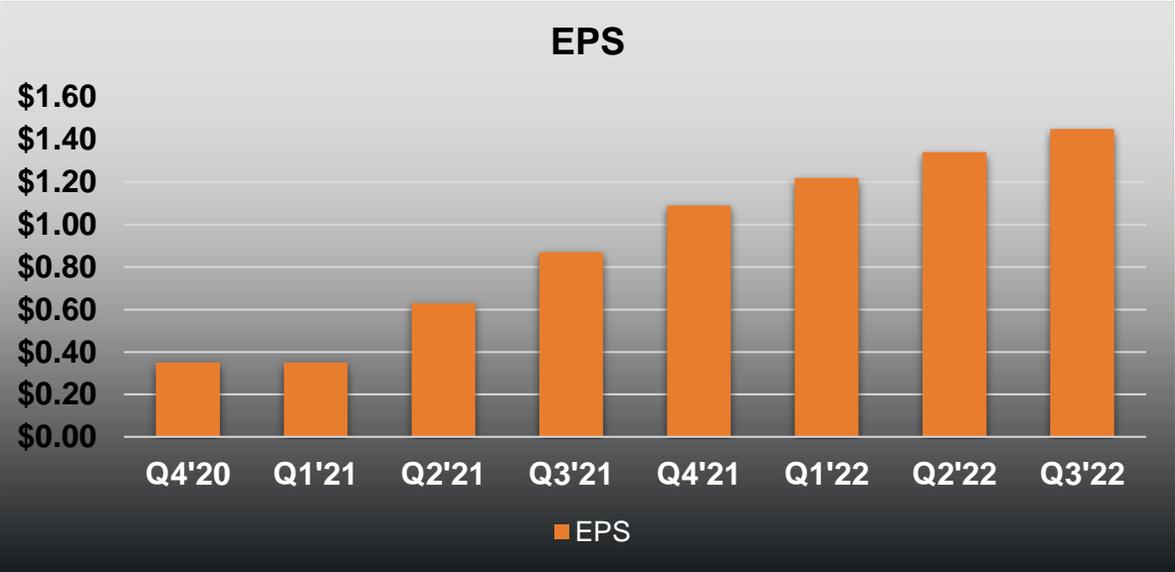
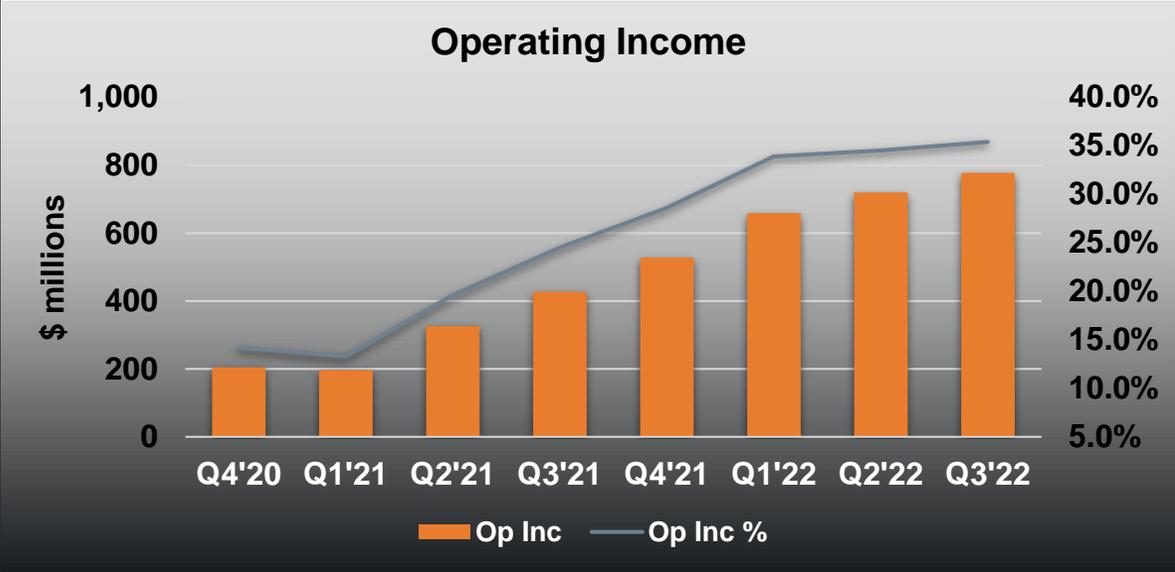


Ranked #41 among Barron's 100 **Most Sustainable Companies** in the U.S. for 2022

Financial Results

Q3'22

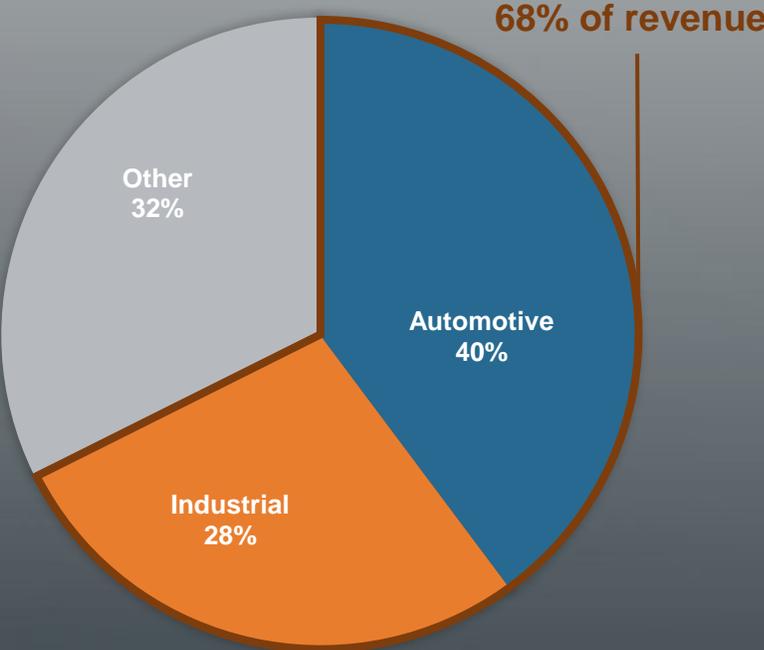
Non-GAAP Financial Highlights



Our earnings release and this presentation include certain non-GAAP financial measures. Reconciliations of these non-GAAP financial measures to the most directly comparable measures under GAAP are included in our earnings release, which is posted separately on our website in the "Investor Relations" section. See Appendix for GAAP to Non-GAAP Reconciliation

Revenue by End-Market

Q3'22 Revenue



YoY Revenue* Growth



Automotive and Industrial growing >5x YTD faster than other end-markets

*Amounts may not total due to rounding of individual amounts.
 Industrial includes Medical, Military, Aerospace
 Other includes Communications, Computing, Consumer

Non-GAAP Financial Performance

	2020 Actual	Q3'21 Actual	Q4'21 Actual	2021 Actual	Q1'22	Q2'22	Q3'22	Q4'22	2025 Target	
Revenue (\$ millions)	5,255.0	1,742.1	1,846.1	6,739.8	1,945.0	2,085.0	2,192.6	2,010 to 2,140	7-9% CAGR	<ul style="list-style-type: none"> Record Q3 revenue, up 26% year-over-year and 5% quarter-over-quarter Auto + Industrial grew 41% year-over-year to 68% of revenue
Gross Margin	32.7%	41.5%	45.2%	40.4%	49.4%	49.7%	49.3%	47.0% to 49.0%	48%-50%	<ul style="list-style-type: none"> Gross margin impacted by expected ramp of Silicon Carbide business
Operating Expenses (\$ millions)	1,179.3	296.2	306.4	1,241.5	302.8	317.7	304.3	305 to 320	17%	<ul style="list-style-type: none"> Expect OpEx to trend below long-term model for 2022
Operating Margin	10.2%	24.5%	28.6%	21.9%	33.9%	34.5%	35.4%	---	31%-33%	<ul style="list-style-type: none"> Record operating margin Q3 up 1,100 bps year-over-year
CAPEX (\$ millions)	383.6	93.2	169.6	444.6	173.8	218.1	271.1	300 to 330	9%	<ul style="list-style-type: none"> Enabling 300mm capabilities 5x expansion of SiC capacity year-over-year
LTM Free Cash Flow	9.5%	18.4%	19.8%	19.8%	20.8%	17.3%	21.0%	---	20-25%	<ul style="list-style-type: none"> Record LTM FCF ~ 21% of Revenue
Earnings per Share	\$0.85	\$0.87	\$1.09	\$2.95	\$1.22	\$1.34	\$1.45	\$1.18 to \$1.34	---	<ul style="list-style-type: none"> Record quarterly EPS

Our earnings release and this presentation include certain non-GAAP financial measures. Reconciliations of these non-GAAP financial measures to the most directly comparable measures under GAAP are included in our earnings release, which is posted separately on our website in the "Investor Relations" section. See Appendix for GAAP to Non-GAAP Reconciliation

Q4'22 Guidance

	GAAP	Special Items **	Non-GAAP***
Revenue	\$2,010 to \$2,140 million	---	\$2,010 to \$2,140 million
Gross Margin	47.0% to 49.0%	---	47.0% to 49.0%
Operating Expenses	\$323 to \$338 million	\$18 million	\$305 to \$320 million
Other Income and Expense (including interest expense), net	(\$18) to (\$14) million	(\$40) million	\$22 to \$26 million
Diluted Earnings Per Share	\$1.20 to \$1.36	\$0.02	\$1.18 to \$1.34
Diluted Share Count *	449 million	8 million	441 million

Notes to Q4'22 Guidance

- Diluted shares outstanding can vary as a result of, among other things, the actual exercise of options or vesting of restricted stock units, the incremental dilutive shares from the Company's convertible senior subordinated notes, and the repurchase or the issuance of stock or convertible notes or the sale of treasury shares. In periods when the quarterly average stock price per share exceeds \$20.72 for the 1.625% Notes and \$52.97 for the 0% Notes, the non-GAAP diluted share count and non-GAAP net income per share include the anti-dilutive impact of the Company's hedge transactions issued concurrently with the 1.625% Notes and the 0% Notes, respectively. At an average stock price per share between \$20.72 and \$30.70 for the 1.625% Notes and \$52.97 and \$74.34 for the 0% Notes, the hedging activity offsets the potentially dilutive effect of the 1.625% Notes and 0% Notes, respectively. In periods when the quarterly average stock price exceeds \$30.70 for the 1.625% Notes, and \$74.34 for the 0% Notes, the dilutive impact of the warrants issued concurrently with such notes are included in the diluted shares outstanding. GAAP and non-GAAP diluted share counts are based on either the previous quarter's average stock price or the stock price as of the last day of the previous quarter, whichever is higher.

** Special items may include: amortization of acquisition-related intangibles; expensing of appraised inventory fair market value step-up; non-recurring facility costs, purchased in-process research and development expenses; restructuring, asset impairments and other, net; goodwill impairment charges; gains and losses on debt prepayment; non-cash interest expense; actuarial (gains) losses on pension plans and other pension benefits; and certain other special items, as necessary. These special items are out of our control and could change significantly from period to period. As a result, we are not able to reasonably estimate and separately present the individual impact or probable significance of these special items, and we are similarly unable to provide a reconciliation of the non-GAAP measures. The reconciliation that is unavailable would include a forward-looking income statement, balance sheet and statement of cash flows in accordance with GAAP. For this reason, we use a projected range of the aggregate amount of special items in order to calculate our projected non-GAAP operating expense outlook.

*** We believe these non-GAAP measures provide important supplemental information to investors. We use these measures, together with GAAP measures, for internal managerial purposes and as a means to evaluate period-to-period comparisons. However, we do not, and you should not, rely on non-GAAP financial measures alone as measures of our performance. We believe that non-GAAP financial measures reflect an additional way of viewing aspects of our operations that, when taken together with GAAP results and the reconciliations to corresponding GAAP financial measures that we also provide in our releases, provide a more complete understanding of factors and trends affecting our business. Because non-GAAP financial measures are not standardized, it may not be possible to compare these financial measures with other companies' non-GAAP financial measures, even if they have similar names.

Appendix: GAAP to Non-GAAP Reconciliation

\$ in Millions, except share count and EPS	Q2'20	Q3'20	Q4'20	FY2020	Q1'21	Q2'21	Q3'21	Q4'21	FY2021	Q1'22	Q2'22	Q3'22
Reconciliation of GAAP to Non-GAAP Gross Margin:												
GAAP Gross Margin	30.8%	33.5%	34.4%	32.7%	35.2%	38.3%	41.4%	45.1%	40.3%	49.4%	49.7%	48.3%
Impact of business shutdown			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%
Non-recurring facility costs	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%
Non-GAAP Gross Margin	30.8%	33.5%	34.4%	32.7%	35.2%	38.4%	41.5%	45.2%	40.4%	49.4%	49.7%	49.3%
Reconciliation of GAAP to Non-GAAP Operating Expenses:												
GAAP Operating Expenses	\$ 331.2	\$ 322.2	\$ 329.6	\$ 1,367.1	\$ 395.3	\$ 357.9	\$ 321.6	\$ 351.9	\$ 1,426.7	\$ 314.1	\$ 453.1	\$ 633.8
a) Amortization of acquisition-related intangible assets	(29.1)	(29.6)	(29.3)	(120.3)	(25.0)	(24.8)	(24.7)	(24.5)	(99.0)	(21.3)	(21.9)	(21.9)
b) Restructuring, asset impairments and other, net	(16.2)	(9.0)	(7.2)	(65.2)	(42.5)	(17.5)	1.7	(13.1)	(71.4)	13.0	1.7	(40.3)
c) Goodwill and intangible asset impairment	(1.3)	-	-	(1.3)	(2.9)	-	-	-	(2.9)	-	(115.0)	(271.8)
d) Third party acquisition- and divestiture-related costs	-	-	(0.7)	(1.0)	(0.2)	(1.4)	(2.4)	(7.9)	(11.9)	(3.0)	(0.2)	(2.3)
e) Impact of business shutdown	-	-	-	-	-	-	-	-	-	-	-	6.8
Non-GAAP Operating Expenses	\$ 284.6	\$ 283.6	\$ 292.4	\$ 1,179.3	\$ 324.7	\$ 314.2	\$ 296.2	\$ 306.4	\$ 1,241.5	\$ 302.8	\$ 317.7	\$ 304.3
Reconciliation of GAAP to Non-GAAP Operating Income:												
GAAP Operating Income	\$ 43.1	\$ 119.0	\$ 168.0	\$ 348.7	\$ 125.9	\$ 282.2	\$ 399.2	\$ 480.3	\$ 1,287.6	\$ 647.2	\$ 584.0	\$ 424.5
a) Amortization of acquisition-related intangible assets	29.1	29.6	29.3	120.3	25.0	24.8	24.7	24.5	99.0	21.3	21.9	21.9
b) Restructuring, asset impairments and other, net	16.2	9.0	7.2	65.2	42.5	17.5	(1.7)	13.1	71.4	(13.0)	(1.7)	40.3
c) Goodwill and intangible asset impairment	1.3	-	-	1.3	2.9	-	-	-	2.9	-	115.0	271.8
d) Third party acquisition- and divestiture-related costs	-	-	0.7	1.0	0.2	1.4	2.4	7.9	11.9	3.0	0.2	2.3
e) Non-recurring facility costs	-	-	-	-	-	0.7	2.5	2.3	5.5	-	-	-
f) Impact of business shutdown	-	-	-	-	-	-	-	-	-	-	-	16.3
Non-GAAP Operating Income	\$ 89.7	\$ 157.6	\$ 205.2	\$ 536.5	\$ 196.5	\$ 326.6	\$ 427.1	\$ 528.1	\$ 1,478.3	\$ 658.5	\$ 719.4	\$ 777.1
Reconciliation of GAAP to Non-GAAP Operating Margin												
GAAP Operating Margin	3.6%	9.0%	11.6%	6.6%	8.5%	16.9%	22.9%	26.0%	19.1%	33.3%	28.0%	19.4%
a) Amortization of acquisition-related intangible assets	2.4%	2.2%	2.0%	2.3%	1.7%	1.5%	1.4%	1.3%	1.5%	1.1%	1.1%	1.0%
b) Restructuring, asset impairments and other, net	1.3%	0.7%	0.5%	1.2%	2.9%	1.0%	-0.1%	0.7%	1.1%	-0.7%	-0.1%	1.8%
c) Goodwill and intangible asset impairment	0.1%	-	-	-	0.2%	-	-	-	-	-	5.5%	12.4%
d) Third party acquisition- and divestiture-related costs	-	-	-	-	-	0.1%	0.1%	0.4%	0.2%	0.2%	0.0%	0.1%
e) Non-recurring facility costs	-	-	-	-	-	-	0.1%	0.1%	0.1%	-	-	-
f) Impact of business shutdown	-	-	-	-	-	-	-	-	-	-	-	0.7%
Non-GAAP Operating Margin	7.4%	12.0%	14.2%	10.2%	13.3%	19.6%	24.5%	28.6%	21.9%	33.9%	34.5%	35.4%
LTM Free Cash Flow												
LTM Revenue				\$ 500.7	\$ 608.5	\$ 910.5	\$ 1,164.4	\$ 1,337.4	\$ 1,337.4	\$ 1,500.7	\$ 1,320.2	\$ 1,695.8
LTM Revenue				5,255.0	5,458.8	5,915.2	6,340.2	6,739.9	6,739.9	7,203.2	7,618.2	8,068.6
LTM Cash Flow Margin				9.5%	11.1%	15.4%	18.4%	19.8%	19.8%	20.8%	17.3%	21.0%

Appendix: GAAP to Non-GAAP Reconciliation

\$ in Millions, except share count and EPS	Q4'20	FY2020	Q1'21	Q2'21	Q3'21	Q4'21	FY2021	Q1'22	Q2'22	Q3'22
Reconciliation of GAAP to Non-GAAP Net Income Attributable to ON Semiconductor Corporation:										
GAAP net income (loss) attributable to ON Semiconductor	\$ 89.0	\$ 234.2	\$ 89.9	\$ 184.1	\$ 309.7	\$ 425.9	\$ 1,009.6	\$ 530.2	\$ 455.8	\$ 311.9
a) Amortization of acquisition-related intangible assets	29.3	120.3	25.0	24.8	24.7	24.5	99.0	21.3	21.9	21.9
b) Restructuring, asset impairments and other, net	7.2	65.2	42.5	17.5	(1.7)	13.1	71.4	(13.0)	(1.7)	40.3
c) Goodwill and intangible asset impairment	-	1.3	2.9	-	-	-	2.9	-	115.0	271.8
d) Third party acquisition- and divestiture-related costs	0.7	1.0	0.2	1.4	2.4	7.9	11.9	3.0	0.2	2.3
e) Non-recurring facility costs	-	-	-	0.7	2.5	2.3	5.5	-	-	-
f) Loss on debt refinancing and prepayment	-	-	-	26.2	-	2.8	29.0	-	7.3	-
g) Actuarial gains (losses) on pension plans and other pension benefits	4.0	4.0	-	-	5.5	(22.2)	(16.7)	-	-	-
h) Non-cash interest on convertible notes	8.8	38.2	4.6	6.0	7.0	7.1	24.7	-	-	-
i) Gain on divestiture of a business	-	-	-	-	(10.2)	-	(10.2)	-	(1.9)	(0.2)
j) Adjustment of income taxes	8.1	(112.3)	(13.8)	15.1	40.4	16.6	58.4	(3.0)	(7.3)	(24.9)
k) Impact of business shutdown	-	-	-	-	-	-	-	-	-	16.3
Non-GAAP Net Income Attributable to ON Semiconductor Corporation	\$ 147.1	\$ 351.9	\$ 151.3	\$ 275.8	\$ 380.3	\$ 478.0	\$ 1,285.5	\$ 538.5	\$ 589.3	\$ 639.4
Reconciliation of GAAP to Non-GAAP Diluted Shares Outstanding:										
GAAP diluted shares outstanding	\$ 431.6	\$ 418.8	\$ 445.4	\$ 443.6	\$ 440.7	\$ 445.3	\$ 443.8	\$ 448.9	\$ 447.0	\$ 448.7
Less: dilutive shares attributable to convertible notes	(14.8)	(5.5)	(12.8)	(8.6)	(5.0)	(6.9)	(8.6)	(6.9)	(5.4)	(7.9)
Non-GAAP Diluted Shares Outstanding	\$ 416.8	\$ 413.3	\$ 432.6	\$ 435.0	\$ 435.7	\$ 438.4	\$ 435.2	\$ 442.0	\$ 441.6	\$ 440.8
Non-GAAP Diluted Earnings Per Share:										
Non-GAAP net income for diluted earnings per share	\$ 147.1	\$ 351.9	\$ 151.3	\$ 275.8	\$ 380.3	\$ 478.0	\$ 1,285.5	\$ 539.0	\$ 589.8	\$ 639.9
Non-GAAP diluted shares outstanding	416.8	413.3	432.6	435.0	435.7	438.4	435.2	442.0	441.6	440.8
Non-GAAP Diluted Earnings Per Share	\$ 0.35	\$ 0.85	\$ 0.35	\$ 0.63	\$ 0.87	\$ 1.09	\$ 2.95	\$ 1.22	\$ 1.34	\$ 1.45

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