# CADENCE REPORTS FIRST QUARTER 2023

#### CADENCE DESIGN SYSTEMS, INC

### **CFO COMMENTARY**

#### Key Takeaways

- Exceeded key financial metrics for Q1.
- Raising 2023 outlook for revenue growth to 14%.
- Raising 2023 outlook for non-GAAP operating margin to 41.5%.

#### FY 2023 Outlook

- Revenue: \$4.03 \$4.07 billion.
- GAAP operating margin: 30% 31%.
- Non-GAAP operating margin: 41% - 42%.
- GAAP EPS: \$3.26 \$3.34
- Non-GAAP EPS \$4.96 \$5.04
- Operating cash flow: \$1.3 \$1.4 billion.
- Expect to use approximately 50% of free cash flow to repurchase Cadence shares for the year.

#### Q2 2023 Outlook

- Revenue : \$960 \$980 million.
- GAAP operating margin: 29% 30%.
- Non-GAAP operating margin: 40%- 41%.
- GAAP EPS: \$0.73 \$0.77
- Non-GAAP EPS: \$1.15 \$1.19
- Expect to repurchase approximately \$125 million of Cadence shares in Q2.

#### **Financial Results Webcast**

Our Q1 2023 financial results webcast will begin April 24, 2023 at 2:00 p.m. (Pacific). The webcast may be accessed at www.cadence.com/cadence/ investor\_relations. An archive of the webcast will be available on April 24, 2023 until 5:00 p.m. (Pacific) on June 16, 2023.

#### Q1 2023 KEY METRICS

- Revenue \$1.022 billion
- GAAP operating margin 32%
- Non-GAAP operating margin 42%
- GAAP EPS \$0.89
- Non-GAAP EPS \$1.29
- Operating cash flow \$267 million

Cadence Design Systems, Inc.

Financial Metrics							
(In Millions, except per share data)	2017*	2018	2019	2020*	2021	2022	2023E*
Revenue	\$ 1,943	\$ 2,138	\$ 2,336	\$ 2,683	\$ 2,988	\$ 3,562	\$4,030- \$4,070
Revenue growth*	7%	10%	<b>9</b> %	15%	11%	1 <b>9</b> %	13% - 14%
3-year CAGR	7%	8%	9%	11%	12%	15%	~15%
3-year CAGR without 53rd week impact	8%			11%			~15%
GAAP operating expenses	\$ 1,619	\$ 1,742	\$ 1,845	\$ 2,037	\$ 2,209	\$ 2,488	~\$2,805
GAAP operating expense growth	3%	<b>8</b> %	6%	10%	8%	13%	~13%
Non-GAAP operating expenses	\$ 1,409	\$ 1,491	\$ 1,587	\$ 1,739	\$ 1,877	\$ 2,125	~\$2,371
Non-GAAP operating expense growth	5%	6%	6%	10%	8%	13%	~12%
GAAP operating margin	17%	1 <b>9</b> %	<b>2</b> 1%	<b>24</b> %	<b>26</b> %	30%	
Implied GAAP operating margin**							30.5%
Non-GAAP operating margin	28%	30%	32%	35%	37%	40%	
Implied Non-GAAP operating							41.577
margin**							41.5%
GAAP earnings per share	\$ 0.73	\$ 1.23	\$ 3.53	\$ 2.11	\$ 2.50	\$ 3.09	\$3.26 - \$3.34
Non-GAAP earning per share	\$ 1.40	\$ 1.87	\$ 2.20	\$ 2.80	\$ 3.29	\$ 4.27	\$4.96 - \$5.04
Weighted average shares diluted outstanding	280.2	281.1	280.5	279.6	278.9	275.0	272 - 274
Cash flow from operations	471	605	730	905	1,101	1,242	\$1,300 - \$1,400
Capital expenditures	58	62	75	95	65	123	~\$120

\* Fiscal 2014 and 2020 were 53-week years, compared to all other years which are 52 week years. 2020 (which impacts the 3 year CAGR in 2023) included approximately \$45 million revenue impact for the extra week. 2014 revenue (which impacts the 3 year CAGR in 2017) included approximately \$27 million revenue impact for the extra week.

\*\* At midpoint of guidance.

#### **Profitability Trends**

(In Millions)	2017		2018		2019	20	20	2	021	2022	2023E*
Revenue	\$ 1,943	\$2	2,138	\$2	2,336	\$ 2,68	83	\$2,9	88	\$3,562	\$ 4,050
Revenue Growth	7%		10%		9%	13	5%	1	1%	19%	~14%
3-Year Revenue Growth CAGR	7%		8%		9%	1	1%	1	2%	15%	~15%
GAAP operating margin	17%		1 <b>9</b> %		<b>2</b> 1%	24	1%	2	<b>6%</b>	30%	30.5%
Non-GAAP operating margin	28%		30%		32%	3!	5%	3	57%	40%	41.5%
Stock-based compensation	 (7)%		(8)%		(8)%	(7	)%	()	7)%	(8)%	~(8)%
Non-GAAP operating margin adjusted for stock-based compensation	 21%		22%		24%	28	3%		30%	32%	33.5%
GAAP operating income	\$ 324	\$	396	\$	492	\$ 64	46	\$ 7	779	\$1,074	\$ 1,245
Non-GAAP operating income	\$ 534	\$	647	\$	749	\$ 94	44	<b>\$1</b> ,1	11	\$1, <b>43</b> 6	\$ 1,679
Non-GAAP operating income adjusted for stock-based compensation	\$ 404	\$	479	\$	567	\$ 74	47	\$ <b>\$</b>	901	\$1,166	\$ 1,349

\* At midpoint of guidance.

#### Second Quarter 2023 Financial Outlook

	Q2 2022	Q1 2023	Q2 2023E
Total Revenue (\$ Millions)	\$ 858	\$ 1,022	\$960 - \$980
Q/Q Growth		14%	(6)% - (4)%
Y/Y Growth		13%	12% - 14%
GAAP Operating Margin	33%	32%	29% -30%
Non-GAAP Operating Margin	42%	42%	40% - 41%
GAAP EPS	\$ 0.68	\$ 0.89	\$0.73 - \$0.77
Non-GAAP EPS	\$ 1.08	\$ 1.29	\$1.15 - \$1.19

#### Fiscal Year 2023 Financial Outlook

	FY 2022	Previous FY 2023E	Current FY 2023E
Recurring Revenue	~85%	~85%	~85%
Total Revenue (\$ Millions) Y/Y Growth	\$ 3,562 19%	\$4,000 - \$4,060 12% - 14%	\$4,030 - \$4,070 13% - 14%
Revenue from Beginning Backlog	~70%	~75%	~75%
GAAP Operating Margin	30.1%	30.5% - 32.0%	30% - 31%
Non-GAAP Operating Margin	40.3%	40.5% - 42.0%	41% - 42%
GAAP Other Income & Expense (\$ Millions)	\$ (28)	\$(21) - \$(29)	\$(18) - \$(24)
Non-GAAP Other Income & Expense (\$ Millions)	\$ (14)	\$(21) - \$(29)	\$(21) - \$(27)
GAAP Tax Rate	1 <b>9</b> %	~26%	~26%
Non-GAAP Tax Rate	17.5%	17.5%	17.5%
Weighted Average Diluted Shares Outstanding (Millions)	275.0	272 - 274	272 - 274
GAAP EPS Y/Y Growth	\$ 3.09 24%	\$3.24 - \$3.34 5% - 8%	\$3.26 - \$3.34 6% - 8%
Non-GAAP EPS Y/Y Growth	\$ 4.27 30%	\$4.90 - \$5.00 15% - 17%	\$4.96 - \$5.04 16% - 18%
Cash Flow from Operations (\$ Millions)	\$ 1,242	\$1,300 - \$1,400	\$1,300 - \$1,400
DSO	49	~45	~45
Capital Expenditures (\$ Millions)	\$ 123	~\$120	~\$120

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#### First Quarter Financial Results

Backlog

(In Billions)	2019	2020	2021	2022	Q1 2023
Backlog	\$ 3.6 \$	3.9 \$	4.4 \$	5.8	\$ 5.4

#### Revenue

(In Millions)	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023
Product and Maintenance	\$ 846	\$ 803	\$ 846	\$ 846	\$ 964
Services	56	55	57	54	58
Total Revenue	\$ 902	\$ 858	\$ 903	\$ 900	\$ 1,022

#### Recurring and Up-Front Revenue

	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023
Revenue recognized over time	81 %	84 %	81 %	84 %	77 %
Revenue from arrangements with non- cancelable commitments	2 %	2 %	3 %	3 %	3 %
Recurring Revenue	83 %	86 %	84 %	87 %	80 %
Up-Front Revenue	17 %	14 %	16 %	13 %	20 %
Total	100 %	100 %	100 %	100 %	100 %

#### Trailing Twelve Months Recurring and Up-Front Revenue

		Trailing T	welve Months	Ended	
	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023
Recurring Revenue	87 %	87 %	86 %	85 %	84 %
Up-Front Revenue	13 %	13 %	14 %	15 %	16 %
Total	100 %	100 %	100 %	100 %	100 %

#### Revenue Mix by Geography

(% of Total Revenue)	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023
Americas	47 %	45 %	45 %	46 %	44 %
China	16 %	13 %	17 %	13 %	17 %
Other Asia	18 %	18 %	17 %	18 %	18 %
Europe, Middle East and Africa	14 %	18 %	16 %	17 %	15 %
Japan	5 %	6 %	5 %	6 %	6 %
Total	100 %	100 %	100 %	100 %	100 %

#### Revenue Mix by Product Category

(% of Total Revenue)	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023
Custom IC Design and Simulation	22 %	23 %	22 %	22 %	20 %
Digital IC Design and Signoff	27 %	27 %	29 %	28 %	25 %
Functional Verification	28 %	24 %	25 %	25 %	32 %
IP	13 %	14 %	12 %	12 %	11 %
System Design and Analysis	10 %	12 %	12 %	13 %	12 %
Total	100 %	100 %	100 %	100 %	100 %

#### Cadence Design Systems, Inc.

Gross Margin									
		Q1 2022		Q2 2022		Q3 2022		Q4 2022	Q1 2023
GAAP Gross Margin		89.1 %		89.2 %		90.3 %		89.6 %	87.8 %
Non-GAAP Gross Margin		90.7 %		90.6 %		91.5 %		91.1 %	89.1 %
otal Costs and Expenses									
(In Millions)		Q1 2022		Q2 2022		Q3 2022		Q4 2022	Q1 2023
Total GAAP Costs and Expenses	\$	583	\$	575	\$	642	\$	689	\$ 699
Total Non-GAAP Costs and Expenses	\$	505	\$	494	\$	547	\$	579	\$ 591
Operating Margin									
		Q1 2022		Q2 2022		Q3 2022		Q4 2022	Q1 2023
GAAP Operating Margin		35.4 %		33.0 %		<b>28.9</b> %		23.5 %	31.6 %
Non-GAAP Operating Margin		44.0 %		42.4 %		39.4 %		35.6 %	42.1 %
Earnings Per Share									
		Q1 2022		Q2 2022		Q3 2022		Q4 2022	Q1 2023
GAAP Net Income Per Share	\$	0.85	\$	0.68	\$	0.68	\$	0.88	\$ 0.89
Non-GAAP Net Income Per Share	\$	1.17	\$	1.08	\$	1.06	\$	0.96	\$ 1.29
otal DSO									
		Q1 2022		Q2 2022		Q3 2022		Q4 2022	Q1 2023
		QI LULL		QL LVLL		QJ 2022			
		37		42		40		49	
Salance Sheet and Cash Review		37		42		40		49	44
Salance Sheet and Cash Review Free Cash Flow (In Millions)		37 Q1 2022		42 Q2 2022		40 Q3 2022		49 <b>Q4 2022</b>	 44 Q1 2023
Balance Sheet and Cash Review Free Cash Flow (In Millions) Net Cash from Operating Activities	\$	37 <b>Q1 2022</b> 337	\$	42 <b>Q2 2022</b> 325	\$	40 <b>Q3 2022</b> 317	\$	49 <b>Q4 2022</b> 264	\$ 44 <b>Q1 2023</b> 267
Salance Sheet and Cash Review Free Cash Flow (In Millions) Net Cash from Operating Activities Capital Expenditures		37 <b>Q1 2022</b> 337 18	·	42 <b>Q2 2022</b> 325 24		40 <b>Q3 2022</b> 317 44		49 <b>Q4 2022</b> 264 37	 44 <b>Q1 2023</b> 267 26
Salance Sheet and Cash Review Free Cash Flow (In Millions) Net Cash from Operating Activities Capital Expenditures	\$	37 <b>Q1 2022</b> 337	\$	42 <b>Q2 2022</b> 325	\$	40 <b>Q3 2022</b> 317	\$	49 <b>Q4 2022</b> 264	\$ 44 <b>Q1 2023</b> 267
Salance Sheet and Cash Review Free Cash Flow (In Millions) Net Cash from Operating Activities Capital Expenditures Free Cash Flow Cash and Cash Equivalents		37 <b>Q1 2022</b> 337 18 319	·	42 <b>Q2 2022</b> 325 24 301		40 <b>Q3 2022</b> 317 44 273		49 <b>Q4 2022</b> 264 37 227	 44 <b>Q1 2023</b> 267 26 241
Balance Sheet and Cash Review Free Cash Flow (In Millions) Net Cash from Operating Activities Capital Expenditures Free Cash Flow Cash and Cash Equivalents (In Millions)	\$	37 Q1 2022 337 18 319 Q1 2022	\$	42 <b>Q2 2022</b> 325 24 301 <b>Q2 2022</b>	\$	40 <b>Q3 2022</b> 317 44 273 <b>Q3 2022</b>	\$	49 <b>Q4 2022</b> 264 37 227 <b>Q4 2022</b>	\$ <b>Q1 2023</b> 267 26 241 <b>Q1 2023</b>
Salance Sheet and Cash Review Free Cash Flow (In Millions) Net Cash from Operating Activities Capital Expenditures Free Cash Flow Cash and Cash Equivalents (In Millions) Cash and Cash Equivalents	\$	37 Q1 2022 337 18 319 Q1 2022 1,135	\$	42 <b>Q2 2022</b> 325 24 301 <b>Q2 2022</b> 1,030	\$	40 <b>Q3 2022</b> 317 44 273 <b>Q3 2022</b> 1,026	\$	49 <b>Q4 2022</b> 264 37 227 <b>Q4 2022</b> 882	 <b>Q1 2023</b> 267 26 241 <b>Q1 2023</b>
Salance Sheet and Cash Review Free Cash Flow (In Millions) Net Cash from Operating Activities Capital Expenditures Free Cash Flow Cash and Cash Equivalents (In Millions) Cash and Cash Equivalents • Approximately 28 percent of our cash	\$	37 Q1 2022 337 18 319 Q1 2022 1,135	\$	42 <b>Q2 2022</b> 325 24 301 <b>Q2 2022</b> 1,030	\$	40 <b>Q3 2022</b> 317 44 273 <b>Q3 2022</b> 1,026	\$	49 <b>Q4 2022</b> 264 37 227 <b>Q4 2022</b> 882	\$ <b>Q1 2023</b> 267 26 241 <b>Q1 2023</b>
Salance Sheet and Cash Review Free Cash Flow (In Millions) Net Cash from Operating Activities Capital Expenditures Free Cash Flow Cash and Cash Equivalents (In Millions) Cash and Cash Equivalents • Approximately 28 percent of our cash Share Repurchase	\$	37 Q1 2022 337 18 319 Q1 2022 1,135 ash equive	\$	42 <b>Q2 2022</b> 325 24 301 <b>Q2 2022</b> 1,030 ats were in	\$	40 <b>Q3 2022</b> 317 44 273 <b>Q3 2022</b> 1,026 U.S. at qu	\$	49 Q4 2022 264 37 227 Q4 2022 882 ter-end.	\$ <b>Q1 2023</b> 267 26 241 <b>Q1 2023</b> 917
Salance Sheet and Cash Review Free Cash Flow (In Millions) Net Cash from Operating Activities Capital Expenditures Free Cash Flow Cash and Cash Equivalents (In Millions) Cash and Cash Equivalents • Approximately 28 percent of our cash Share Repurchase (In Millions)	\$ and c	37 Q1 2022 337 18 319 Q1 2022 1,135 ash equive Q1 2022	\$	42 <b>Q2 2022</b> 325 24 301 <b>Q2 2022</b> 1,030 hts were in <b>Q2 2022</b>	\$ \$ the	40 Q3 2022 317 44 273 Q3 2022 1,026 e U.S. at qu Q3 2022	\$ \$ Jart	49 Q4 2022 264 37 227 Q4 2022 882 ter-end. Q4 2022	\$ 44 Q1 2023 267 26 241 Q1 2023 917 Q1 2023
Salance Sheet and Cash Review Free Cash Flow (In Millions) Net Cash from Operating Activities Capital Expenditures Free Cash Flow Cash and Cash Equivalents (In Millions) Cash and Cash Equivalents • Approximately 28 percent of our cash Share Repurchase (In Millions) Share Repurchase	\$	37 <b>Q1 2022</b> 337 18 319 <b>Q1 2022</b> 1,135 ash equive <b>Q1 2022</b> 250	\$	42 <b>Q2 2022</b> 325 24 301 <b>Q2 2022</b> 1,030 ats were in <b>Q2 2022</b> 320	\$	40 <b>Q3 2022</b> 317 44 273 <b>Q3 2022</b> 1,026 U.S. at qu <b>Q3 2022</b> 180	\$	49 Q4 2022 264 37 227 Q4 2022 882 ter-end. ter-end. Q4 2022 300	\$ 44 Q1 2023 267 26 241 Q1 2023 917 Q1 2023 Q1 2023
Balance Sheet and Cash Review Free Cash Flow (In Millions) Net Cash from Operating Activities Capital Expenditures Free Cash Flow Cash and Cash Equivalents (In Millions) Cash and Cash Equivalents • Approximately 28 percent of our cash Share Repurchase (In Millions) Share Repurchase Number of Shares	\$ and c \$	37 Q1 2022 337 18 319 Q1 2022 1,135 ash equive Q1 2022 250 1.566	\$ \$ aler \$	42 <b>Q2 2022</b> 325 24 301 <b>Q2 2022</b> 1,030 ats were in <b>Q2 2022</b> 320 2.138	\$ \$ the \$	40 <b>Q3 2022</b> 317 44 273 <b>Q3 2022</b> 1,026 → U.S. at qu Q3 2022 180 0.959	\$ \$ Jart	49 Q4 2022 264 37 227 Q4 2022 882 ter-end. Q4 2022 300 1.939	\$ 44 Q1 2023 267 267 264 241 Q1 2023 917 Q1 2023 125 0.668
Salance Sheet and Cash Review Free Cash Flow (In Millions) Net Cash from Operating Activities Capital Expenditures Free Cash Flow Cash and Cash Equivalents (In Millions) Cash and Cash Equivalents • Approximately 28 percent of our cash Share Repurchase (In Millions) Share Repurchase Number of Shares • Q3 2022 includes 109,365 shares and \$	\$ and c \$	37 Q1 2022 337 18 319 Q1 2022 1,135 ash equive Q1 2022 250 1.566	\$ \$ aler \$	42 <b>Q2 2022</b> 325 24 301 <b>Q2 2022</b> 1,030 ats were in <b>Q2 2022</b> 320 2.138	\$ \$ the \$	40 <b>Q3 2022</b> 317 44 273 <b>Q3 2022</b> 1,026 → U.S. at qu Q3 2022 180 0.959	\$ \$ Jart	49 Q4 2022 264 37 227 Q4 2022 882 ter-end. Q4 2022 300 1.939	\$ 44 Q1 2023 267 267 264 241 Q1 2023 917 Q1 2023 125 0.668
Salance Sheet and Cash Review Free Cash Flow (In Millions) Net Cash from Operating Activities Capital Expenditures Free Cash Flow Cash and Cash Equivalents (In Millions) Cash and Cash Equivalents • Approximately 28 percent of our cash Share Repurchase (In Millions) Share Repurchase Number of Shares • Q3 2022 includes 109,365 shares and \$	\$ and c \$	37 <b>Q1 2022</b> 337 18 319 <b>Q1 2022</b> 1,135 ash equive <b>Q1 2022</b> 250 1,566 on equity	\$ \$ aler \$	42 <b>Q2 2022</b> 325 24 301 <b>Q2 2022</b> 1,030 ats were in <b>Q2 2022</b> 320 2.138 ward cont	\$ \$ the \$	40 Q3 2022 317 44 273 Q3 2022 1,026 U.S. at qu Q3 2022 180 0.959 t from Q2 2	\$ \$ Jart	49 Q4 2022 264 37 227 Q4 2022 882 ter-end. Q4 2022 300 1.939 2 ASR settl	\$ 44 <b>Q1 2023</b> 267 26 241 <b>Q1 2023</b> 917 <b>Q1 2023</b> 125 0.668 n Q3 2022
Share Repurchase (In Millions) Share Repurchase Number of Shares	\$ and c \$	37 Q1 2022 337 18 319 Q1 2022 1,135 ash equive Q1 2022 250 1.566	\$ \$ aler \$	42 <b>Q2 2022</b> 325 24 301 <b>Q2 2022</b> 1,030 ats were in <b>Q2 2022</b> 320 2.138	\$ \$ the \$	40 <b>Q3 2022</b> 317 44 273 <b>Q3 2022</b> 1,026 → U.S. at qu Q3 2022 180 0.959	\$ \$ Jart	49 Q4 2022 264 37 227 Q4 2022 882 ter-end. Q4 2022 300 1.939	\$ 44 Q1 2023 267 267 264 241 Q1 2023 917 Q1 2023 125 0.668

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#### **Forward Looking Statements**

This CFO Commentary contains forward-looking statements, including Cadence's outlook on future operating results, strategic objectives, business prospects, technology and product developments, industry trends and other statements using words such as "anticipates," "believes," "expects," "intends," "plans," "will," and words of similar import and the negatives thereof. Forward-looking statements are subject to a number of risks, uncertainties and other factors, many of which are outside Cadence's control and which may cause actual results to differ materially from expectations expressed or implied in the forward-looking statements, including, among others: (i) Cadence's ability to compete successfully in the highly competitive industries in which it operates; (ii) the success of Cadence's efforts to maintain and improve operational efficiency and growth; (iii) the mix of products and services sold, the timing of orders and deliveries and the ability to develop, install or deliver Cadence's products or services; (iv) change in customer demands or supply constraints that could result in delays in purchases, development, installations or deliveries of Cadence's products or services, including those resulting from consolidation, restructurings and other operational efficiency improvements of Cadence's customers; (v) economic, geopolitical and industry conditions, including that of the semiconductor and electronics industries, government regulations and trade restrictions; (vi) capital expenditure requirements, legislative or regulatory requirements, changes in tax laws, interest rates, currency exchange rate fluctuations, inflation rates and Cadence's ability to access capital and debt markets; (vii) the acquisition of other companies, businesses or technologies or the failure to successfully integrate and operate them; (viii) events that affect cash flow, liquidity, or reserves, or settlement assumptions Cadence may take from time to time with respect to accounts receivable, taxes and tax examinations, litigation, regulatory or other matters; (ix) the effects of any litigation, regulatory, tax or other proceedings to which Cadence is or may become a party or to which Cadence or its products, services or properties are subject; and (x) the duration, severity, volatility and effects of the COVID-19 pandemic and containment measures on Cadence, its employees, and its suppliers and customers, which may also have the effect of heightening the other risks described in this paragraph. In addition, the timing and amount of Cadence's repurchases of its common stock are subject to business and market conditions, corporate and regulatory requirements, stock price, acquisition opportunities and other factors.

For a detailed discussion of these and other cautionary statements related to Cadence's business, please refer to Cadence's filings with the U.S. Securities and Exchange Commission, including its most recent reports on Form 10-K and Form 10-Q and future filings.

#### **GAAP to Non-GAAP Reconciliation**

Non-GAAP financial measures should not be considered as a substitute for or superior to measures of financial performance prepared in accordance with GAAP. Investors are encouraged to review the reconciliation of non-GAAP financial measures contained within this CFO Commentary with their most directly comparable GAAP financial results. Investors are also encouraged to look at the GAAP results as the best measure of financial performance. See our earnings press release issued today for further discussion of our non-GAAP financial measures, as well as the reconciliation provided in the Appendix to this CFO Commentary.

Cadence's management uses non-GAAP net income because it excludes items that are generally not directly related to the performance of the company's core business operations and therefore provides supplemental information to Cadence's management and investors regarding the performance of the business operations, facilitates comparisons to the historical operating results and allows the review of Cadence's business from the same perspective as Cadence's management, including forecasting and budgeting.

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### APPENDIX I

Reconciliation of GAAP to Non-GAAP Financial Measures (Unaudited)

Reconciliation of GAAP Total Expenses to Non-GAAP Total Expenses

(In Millions)	(	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023
GAAP total costs and expenses	\$	583	\$ 575	\$ 642	\$ 689	\$ 699
Reconciling items to non-GAAP total costs and expenses						
Stock-based compensation expense		(59)	(64)	(74)	(73)	(74)
Amortization of acquired intangibles		(17)	(15)	(13)	(16)	(15)
Acquisition and integration-related costs		(4)	(8)	(11)	(18)	(16)
Restructuring			—		—	—
Non-qualified deferred compensation (expenses) credits		2	 6	3	(3)	(3)
Non-GAAP total costs and expenses †	\$	505	\$ 494	\$ 547	\$ 579	\$ 591

† The non-GAAP measures presented in the table above should not be considered a substitute for financial results and measures determined or calculated in accordance with GAAP.

#### Reconciliation of GAAP Total Expenses to Non-GAAP Total Expenses

(In Millions)	2017	2018	2019	2020*	2021	2022	2023E
GAAP total costs and expenses	\$1,619	\$1,742	\$1,845	\$2,037	\$2,209	\$2,488	\$2,805
Reconciling items to non-GAAP total costs and expenses							
Stock-based compensation expense	(130)	(168)	(182)	(197)	(210)	(270)	(330)
Amortization of acquired intangibles	(57)	(53)	(53)	(64)	(67)	(60)	(58)
Acquisition and integration-related costs	(8)	(20)	(8)	(23)	(23)	(41)	(43)
Restructuring	(9)	(11)	(9)	(9)	1		—
Non-qualified deferred compensation (expenses) credits	(6)	1	(5)	(5)	(6)	8	(3)
Special charges**			(1)		(27)		
Non-GAAP total costs and expenses †	\$1,409	\$1,491	\$1,587	\$1,739	\$1,877	\$2,125	\$2,371

\* Fiscal 2020 was a 53-week year.

\*\* 2021 includes costs related to a voluntary retirement program.

† The non-GAAP measures presented in the table above should not be considered a substitute for financial results and measures determined or calculated in accordance with GAAP.

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### Reconciliation of GAAP Gross Margin as a Percent of Total Revenue to Non-GAAP Gross Margin as a

#### Percent of Total Revenue

	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023
GAAP gross margin as a percent of total revenue	<b>89</b> .1%	89.2%	90.3%	89.6%	87.8%
Reconciling items to non-GAAP gross margin as a percent of total revenue					
Stock-based compensation expense	0.2%	0.2%	0.2%	0.3%	0.3%
Amortization of acquired intangibles	1.4%	1.2%	1.0%	1.2%	1.0%
Non-qualified deferred compensation expenses (credits)	0.0%	0.0%	0.0%	0.0%	0.0%
Acquisition and integration-related costs	0.0%	0.0%	0.0%	0.0%	0.0%
Non-GAAP gross margin as a percent of total revenue †	90.7%	90.6%	91.5%	91.1%	89.1%

† The non-GAAP measures presented in the table above should not be considered a substitute for financial results and measures determined or calculated in accordance with GAAP.

#### Reconciliation of GAAP Operating Margin as a Percent of Total Revenue to Non-GAAP Operating Margin as a Percent of Total Revenue

	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023E
GAAP operating margin as a percent of total revenue	35%	33%	<b>29</b> %	23%	32%	2 <del>9</del> % - 30%
Reconciling items to non-GAAP operating margin as a percent of total revenue						
Stock-based compensation expense	7%	7%	8%	8%	7%	8%
Amortization of acquired intangibles	2%	2%	1%	2%	1%	2%
Acquisition and integration-related costs	0%	1%	1%	2%	2%	1%
Restructuring	0%	0%	0%	0%	0%	0%
Non-qualified deferred compensation expenses (credits)	0%	(1)%	0%	1%	0%	0%
Non-GAAP operating margin as a percent of total revenue †	44%	42%	39%	36%	42%	40% - 41%

 $\dagger$  The non-GAAP measures presented in the table above should not be considered a substitute for

financial results and measures determined or calculated in accordance with GAAP.

	2017	2018	2019	2020	2021	2022	2023E
GAAP operating margin as a percent of total revenue	17%	1 <b>9</b> %	21%	24%	26%	30%	30% - 31%
Reconciling items to non-GAAP operating margin as a percent of total revenue							
Stock-based compensation expense	7%	8%	8%	7%	7%	8%	8%
Amortization of acquired intangibles	3%	2%	2%	3%	2%	2%	2%
Acquisition and integration-related costs	0%	1%	0%	1%	1%	1%	1%
Restructuring	1%	0%	1%	0%	0%	0%	0%
Non-qualified deferred compensation expenses (credits)	0%	0%	0%	0%	0%	(1)%	0%
Special charges *	0%	0%	0%	0%	1%	0%	0%
Non-GAAP operating margin as a percent of total revenue †	28%	30%	32%	35%	37%	40%	41% - 42%

\* 2021 includes costs related to a voluntary retirement program.

† The non-GAAP measures presented in the table above should not be considered a substitute for financial results and measures determined or calculated in accordance with GAAP.

#### Reconciliation of GAAP Diluted Net Income Per Share to Non-GAAP Diluted Net Income Per Share

(In Thousands, Except Per Share Data)	Q1	2022	Q	2 2022	Q	3 2022	Q4	4 2022	Q	2023	G	2 2023E
Diluted net income per share on a GAAP basis	\$	0.85	\$	0.68	\$	0.68	\$	0.88	\$	0.89	<b>\$0.7</b> ;	3 - \$0.77
Stock-based compensation expense		0.22		0.23		0.27		0.27		0.27		0.29
Amortization of acquired intangibles		0.06		0.05		0.05		0.06		0.05		0.05
Acquisition and integration- related costs		0.01		0.03		0.04		0.06		0.06		0.04
Restructuring								—				—
Non-qualified deferred compensation expenses (credits)		(0.01)		(0.02)		(0.01)		0.01		0.01		_
Other income or expense related to investments and non-qualified deferred compensation plan assets *		0.02		0.03		0.02		(0.01)		(0.01)		_
Income tax effect of non-GAAP adjustments		0.02		0.08		0.01		(0.31)		0.02		0.04
Diluted net income per share on a non-GAAP basis †	\$	1.17	\$	1.08	\$	1.06	\$	0.96	\$	1.29	\$1.1	5 - \$1.19
Shares used in calculation of diluted net income per share	27	6,918	27	5,172	27	4,957	27	2,997	27	3,159		

† The non-GAAP measures presented in the table above should not be considered a substitute for financial results and measures determined or calculated in accordance with GAAP.

\* Includes, as applicable, equity in losses or income from investments, write-down of investments, gains or losses on investments and gains or losses on non-qualified deferred compensation plan assets recorded in other income or expense.

#### Reconciliation of GAAP Diluted Net Income Per Share to Non-GAAP Diluted Net Income Per Share

(In Thousands, Except Per Share Data)	2017	2018	2019	2020	2021	2022	2023E
Diluted net income per share on a GAAP basis	<b>\$ 0.73</b>	\$ 1.23	\$ 3.53	\$ 2.11	\$ 2.50	\$ 3.09	\$3.26 - \$3.34
Stock-based compensation expense	0.46	0.60	0.65	0.71	0.75	0.98	1.21
Amortization of acquired intangibles	0.20	0.19	0.19	0.23	0.24	0.22	0.21
Acquisition and integration- related costs	0.03	0.07	0.03	0.08	0.08	0.15	0.16
Restructuring	0.03	0.04	0.03	0.03		—	—
Non-qualified deferred compensation expenses (credits)	0.02	(0.01)	0.02	0.02	0.02	(0.03)	0.01
Special charges*	_		—		0.10	—	_
Other income or expense related to investments and non- qualified deferred compensation plan assets**	(0.05)	_	(0.01)	_	(0.03)	0.05	(0.01)
Income tax benefit related to intercompany transfers of certain intellectual property rights	_	_	(2.05)	_	_	_	_
Income tax related to transition tax	0.24	_	_	_	_	_	_
Income tax related to tax rate change	0.09	_	_	_	_	_	_
Income tax effect of non-GAAP adjustments	(0.35)	(0.25)	(0.19)	(0.38)	(0.37)	(0.19)	0.12
Diluted net income per share on a non-GAAP basis †	\$ 1.40	\$ 1.87	\$ 2.20	\$ 2.80	\$ 3.29	\$ 4.27	\$4.96 - \$5.04
Shares used in calculation of diluted net income per share		281,144	280,515	279,641	278,858	275,011	272 - 274M

### † The non-GAAP measures presented in the table above should not be considered a substitute for financial results and measures determined or calculated in accordance with GAAP.

\* 2021 includes costs related to a voluntary retirement program.

\*\* Includes, as applicable, equity in losses or income from investments, write-down of investments, gains or losses on investments and gains or losses on non-qualified deferred compensation plan assets recorded in other income or expense.

## Reconciliation of GAAP Total Other Income and Expense to Non-GAAP Total Other Income and Expense

(In Millions)	FY 2021	FY 2022	FY 2023E
GAAP total other income and expense	\$ (10.7)	\$ (28.3)	\$(18) - \$(24)
Reconciling items to non-GAAP total income and expense			
Other income or expense related to investments and non- qualified deferred compensation plan assets*	 (6.7)	14.1	(3)
Non-GAAP total other income and expenset	\$ (17.4)	\$ (14.2)	\$(21) - \$(27)

† The non-GAAP measures presented in the table above should not be considered a substitute for financial results and measures determined or calculated in accordance with GAAP.

\* Includes, as applicable, equity in losses or income from investments, write-down of investments, gains or losses on investments and gains or losses on non-qualified deferred compensation plan assets recorded in other income or expense.