



# Microchip Technology Incorporated (MCHP)

Updated August 5<sup>th</sup>, 2023 by Nikolaos Sismanis

## Key Metrics

<b>Current Price:</b>	\$83	<b>5 Year CAGR Estimate:</b>	10.3%	<b>Market Cap:</b>	\$45.4 B
<b>Fair Value Price:</b>	\$83	<b>5 Year Growth Estimate:</b>	8.0%	<b>Ex-Dividend Date:</b>	08/21/2023
<b>% Fair Value:</b>	100%	<b>5 Year Valuation Multiple Estimate:</b>	-0.1%	<b>Dividend Payment Date:</b>	09/05/2023
<b>Dividend Yield:</b>	2.0%	<b>5 Year Price Target</b>	\$122	<b>Years Of Dividend Growth:</b>	22
<b>Dividend Risk Score:</b>	C	<b>Retirement Suitability Score:</b>	D	<b>Rating:</b>	Buy

## Overview & Current Events

Microchip Technology develops, manufactures, and sells smart, connected and secure embedded control solutions used for a wide variety of applications. These include disruptive growth trends such as 5G, artificial intelligence, Internet of Things (IoT), and autonomous driving, amongst others, in key end markets such as automotive, aerospace and defense, communications. The company's strategic focus is that these solutions are cost-effective, offer high performance, with a wide voltage range operation, at extremely low power usage. Microchip Technology generates around \$6 billion in annual revenues and is based in Chandler, Arizona.

On August 3<sup>rd</sup>, 2023, Microchip Technology raised its dividend by 7% to a quarterly rate of \$0.41. On a year-over-year basis, the dividend grew by 36.2%.

On the same day, Microchip Technology also reported its Q1-2024 results for the quarter ending June 30<sup>th</sup>, 2023. For the quarter, net sales were a record \$2.29 billion, up 16.6% from the comparable period last year and 2.5% higher sequentially. Higher revenues were again powered by exceptional execution on delivering Microchip's backlog and strong underlying demand, as well as improvements in the supply chain. Due to a higher production scale, GAAP gross margins reached a record of 68.1% for the quarter, leading to a record net income of \$666.4 million or \$1.21 per diluted share. On a non-GAAP basis, EPS was \$1.64 versus \$1.36 in Q1-2023.

Non-GAAP results are more meaningful in understanding Microchip's operating performance as it excludes its high share-based compensation, manufacturing excursion, high depreciation & amortization, and other factors. We use non-GAAP figures to accurately value the stock and assess its future returns, but all other figures in the table are GAAP-based, as officially shown in the company's filings with the SEC. For fiscal 2024, we forecast non-GAAP EPS of \$6.40, with the company's backlog remaining at record levels and the company bringing in additional manufacturing capacity online.

## Growth on a Per-Share Basis

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2029
<b>EPS</b>	\$1.00	\$0.92	\$0.80	\$0.38	\$0.55	\$0.75	\$1.19	\$0.67	\$2.33	\$4.07	<b>\$6.40</b>	<b>\$9.40</b>
<b>DPS</b>	\$0.71	\$0.71	\$0.72	\$0.72	\$0.72	\$0.73	\$0.73	\$0.75	\$0.91	\$1.26	<b>\$1.64</b>	<b>\$3.75</b>
<b>Shares<sup>1</sup></b>	435.3	447.1	434.8	469.6	497.8	499.8	512.4	541.2	565.9	557.3	<b>551.4</b>	<b>650.0</b>

Microchip Technology's EPS has struggled to improve meaningfully over the past decade despite the company growing its revenues relatively consistently. This has been mostly due to higher operating and R&D expenses, as well as increased financial expenses. However, with management's goal to expand margins while taking advantage of the ongoing sky-high demand for chips, non-GAAP EPS has started to snowball, as was the case in the company's latest results. The company is currently attempting to grow its production capacity to service its growing delivery backlog. Hence we expect EPS growth of around 8% in the medium-term. In terms of its dividend, Microchip has hiked it 78 times over the past 22 years, usually sequentially. These quarter-over-quarter increases were quite marginal in some cases (look at 2014-2021). That said, we forecast DPS growth of 18% moving forward to reflect the recent DPS growth acceleration and management's goal of returning 100% of Microchip's adjusted free cash flow to shareholders by FQ4 2025.

<sup>1</sup> Share count is in millions.

Disclosure: This analyst has no position in the security discussed in this research report, and no plans to initiate one in the next 72 hours.



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## Valuation Analysis

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Now	2029
Avg. P/E	21.6	27.7	38.4	113.2	64.5	62.3	50.2	118.5	30.6	17.7	<b>13.0</b>	<b>13.0</b>
Avg. Yld.	3.3%	2.8%	2.3%	1.7%	2.0%	1.6%	1.2%	0.9%	1.3%	1.8%	<b>2.0%</b>	<b>3.1%</b>

Microchip currently trades at a P/E of 13.0 based on our expected FY2024 non-GAAP EPS estimates. While the company is currently enjoying favorable market conditions and expanding margins, the high CAPEX needs of the industry could compress net income, as was the case in the past. That said, we remain optimistic regarding Microchip's earnings growth prospects and believe that shares are currently fairly valued. The yield remains humble, but we expect it to rise following future hikes.

## Safety, Quality, Competitive Advantage, & Recession Resiliency

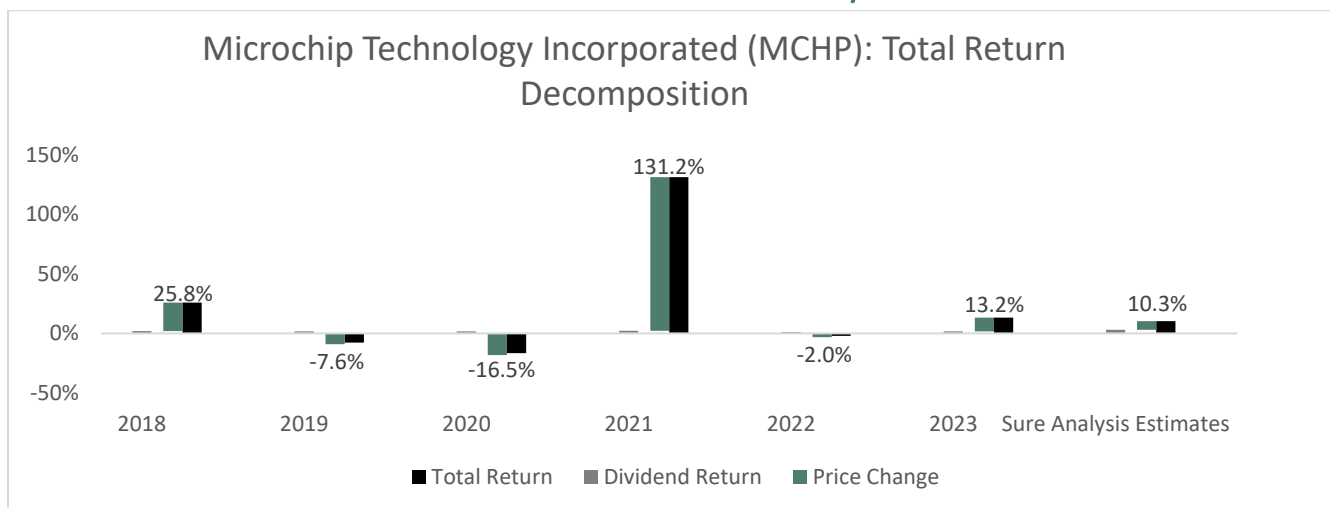
Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2029
Payout	71%	77%	90%	189%	131%	97%	61%	112%	39%	31%	<b>26%</b>	<b>40%</b>

Microchip's dividend should be quite safe, being covered multiple times by operating cash flows. The normalized payout ratio seems high only due to the company's GAAP results, which carry heavy stock-based compensation expenses and depreciation & amortization (a non-cash item). The company enjoys several qualities and positive catalysts, including a robust backlog that should provide stable and predictable cash flows moving forward, expanding margins, and a declining long-term debt position (currently \$4.63 billion vs. \$9.55 billion in 2019). Still, the company faces several noteworthy risks, including fierce competition, global industrial cyclicality effects, limited visibility to product shipments, and international risks such as FX fluctuations due to its global clientele. A global recession could adversely impact the company's results, though global demand for chips remains far ahead of supply capabilities, at least for now.

## Final Thoughts & Recommendation

Microchip Technologies has rallied massively over the past decade, with the company's sales expanding during this time as a result of the increased demand for chips. With higher margins, the company should continue to grow EPS at a rapid pace as its production capacities increase to service its growing backlog. Additionally, management is committed to growing the dividend sequentially, which should add to total returns. Along with the possibility for a modest multiple expansion, we estimate annualized returns of 10.3% through fiscal year 2029. Shares continue to earn a buy rating.

## Total Return Breakdown by Year



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## Income Statement Metrics

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Revenue</b>	1,931	2,147	2,173	3,408	3,981	5,350	5,274	5,438	6,821	8,439
<b>Gross Profit</b>	1,129	1,230	1,206	1,757	2,421	2,931	3,242	3,379	4,450	5,698
<b>Gross Margin</b>	58.4%	57.3%	55.5%	51.6%	60.8%	54.8%	61.5%	62.1%	65.2%	67.5%
<b>SG&amp;A Exp.</b>	267	275	302	500	452	683	677	610	719	798
<b>D&amp;A Exp.</b>	189	278	283	469	616	876	1,216	1,153	1,144	998
<b>Operating Profit</b>	462	428	356	374	954	748	694	1,000	1,879	3,112
<b>Operating Margin</b>	23.9%	20.0%	16.4%	11.0%	24.0%	14.0%	13.2%	18.4%	27.5%	36.9%
<b>Net Profit</b>	395	369	324	165	255	356	571	349	1,286	2,238
<b>Net Margin</b>	20.5%	17.2%	14.9%	4.8%	6.4%	6.7%	10.8%	6.4%	18.9%	26.5%
<b>Free Cash Flow</b>	563	572	647	984	1,213	1,446	1,476	1,824	2,473	3,135
<b>Income Tax</b>	37	(19)	(43)	(81)	482	(151)	(420)	(10)	197	672

## Balance Sheet Metrics

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Assets</b>	4068	4781	5538	7687	8257	18350	17426	16479	16200	16370
<b>Cash &amp; Equivalents</b>	467	608	2093	909	901	429	401	280	317	234
<b>Accounts Receivable</b>	242	274	290	478	564	881	934	998	1070	1,300
<b>Inventories</b>	263	279	307	417	476	712	686	665	854	1,300
<b>Goodwill &amp; Int. Ass.</b>	722	1076	1619	4447	3961	13350	12367	11465	10720	1325
<b>Total Liabilities</b>	1932	2720	3387	4416	4977	13063	11841	11142	10300	9857
<b>Accounts Payable</b>	74	87	79	149	144	226	247	292	345	397
<b>Long-Term Debt</b>	1021	1827	2453	2951	3068	10307	9482	8904	7687	6440
<b>Shareholder's Equity</b>	2135	2045	2151	3271	3280	5288	5586	5337	5895	6514
<b>LTD/E Ratio</b>	0.48	0.89	1.14	0.90	0.94	1.95	1.70	1.67	1.30	0.99

## Profitability & Per Share Metrics

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Return on Assets</b>	10.0%	8.3%	6.3%	2.5%	3.2%	2.7%	3.2%	2.1%	7.9%	13.7%
<b>Return on Equity</b>	19.4%	17.7%	15.4%	6.1%	7.8%	8.3%	10.5%	6.4%	22.9%	36.1%
<b>ROIC</b>	13.0%	10.5%	7.6%	3.0%	4.1%	3.2%	3.7%	2.4%	9.2%	16.9%
<b>Shares Out.</b>	217.6	223.6	217.4	234.8	248.9	249.9	256.2	270.6	565.9	557.3
<b>Revenue/Share</b>	8.87	9.60	10.00	14.51	15.99	21.41	20.59	20.10	12.05	15.14
<b>FCF/Share</b>	2.59	2.56	2.97	4.19	4.87	5.79	5.76	6.74	4.37	5.63

Note: All figures in millions of U.S. Dollars unless per share or indicated otherwise.

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