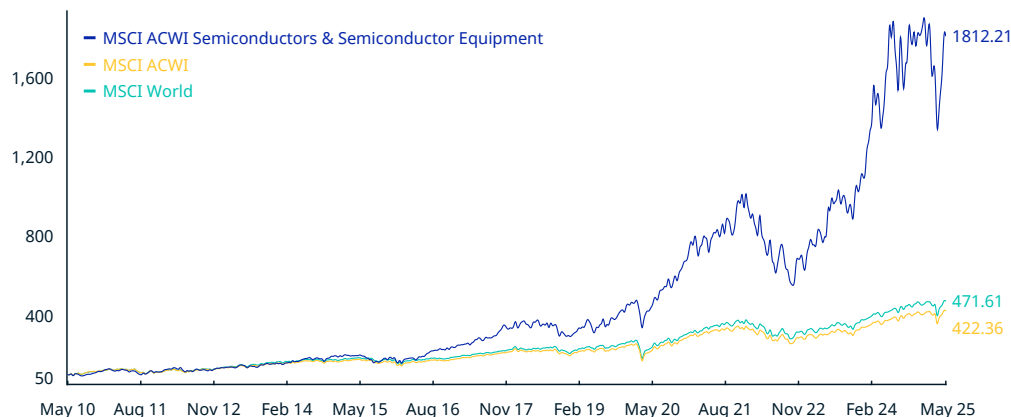


MSCI ACWI Semiconductors & Semiconductor Equipment Index (USD)

The MSCI ACWI Semiconductors and Semiconductor Equipment Index is composed of large and mid-cap stocks across 23 Developed and 24 Emerging Markets countries*. All securities in the index are classified in the Semiconductors and Semiconductor Equipment Industry (within the Information Technology) according to the Global Industry Classification Standard (GICS®).

For a complete description of the index methodology, please see [Index methodology - MSCI](#).

CUMULATIVE INDEX PERFORMANCE – NET RETURNS (USD) (MAY 2010 – MAY 2025)



ANNUAL PERFORMANCE (%)

Year	MSCI ACWI Semiconductors & Semiconductor Equipment	MSCI ACWI	MSCI World
2024	59.86	17.49	18.67
2023	78.35	22.20	23.79
2022	-36.67	-18.36	-18.14
2021	44.90	18.54	21.82
2020	51.87	16.25	15.90
2019	55.45	26.60	27.67
2018	-12.41	-9.41	-8.71
2017	41.31	23.97	22.40
2016	29.91	7.86	7.51
2015	-5.95	-2.36	-0.87
2014	21.69	4.16	4.94
2013	20.86	22.80	26.68
2012	16.00	16.13	15.83
2011	-3.31	-7.35	-5.54

INDEX PERFORMANCE – NET RETURNS (%) (MAY 30, 2025)

	1 Mo	3 Mo	1 Yr	YTD	3 Yr	5 Yr	10 Yr	Since Dec 29, 2000
MSCI ACWI Semiconductors & Semiconductor Equipment	18.45	5.93	10.87	0.39	32.52	31.89	24.44	11.54
MSCI ACWI	5.75	2.52	13.65	5.32	12.30	13.37	9.25	6.63
MSCI World	5.92	2.10	13.72	4.95	13.18	14.18	9.93	6.76

FUNDAMENTALS (MAY 30, 2025)

Div Yld (%)	P/E	P/E Fwd	P/BV
0.79	36.40	22.62	8.47
1.86	21.25	18.08	3.19
1.78	22.46	19.14	3.49

INDEX RISK AND RETURN CHARACTERISTICS (MAY 30, 2025)

	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2,3}			Since Dec 29, 2000	MAXIMUM DRAWDOWN
		3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr	(%)	Period YYYY-MM-DD
MSCI ACWI Semiconductors & Semiconductor Equipment	1.54	34.83	30.55	26.06	0.86	0.98	0.90	0.46	66.69 2001-01-31–2008-11-20
MSCI ACWI	2.60	15.70	15.32	14.90	0.54	0.72	0.54	0.37	58.38 2007-10-31–2009-03-09
MSCI World	2.39	16.10	15.81	15.14	0.58	0.75	0.57	0.38	57.82 2007-10-31–2009-03-09

¹ Last 12 months

² Based on monthly net returns data

³ Based on NY FED Overnight SOFR from Sep 1 2021 & on ICE LIBOR 1M prior that date

* DM countries include: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Hong Kong, Ireland, Israel, Italy, Japan, Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, the UK and the US. EM countries include: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Greece, Hungary, India, Indonesia, Korea, Kuwait, Malaysia, Mexico, Peru, Philippines, Poland, Qatar, Saudi Arabia, South Africa, Taiwan, Thailand, Turkey and United Arab Emirates.

The MSCI ACWI Semiconductors & Semiconductor Equipment Index was launched on Jan 01, 2001. Data prior to the launch date is back-tested test (i.e. calculations of how the index might have performed over that time period had the index existed). There are frequently material differences between back-tested performance and actual results. Past performance – whether actual or back-tested – is no indication or guarantee of future performance.

INDEX CHARACTERISTICS

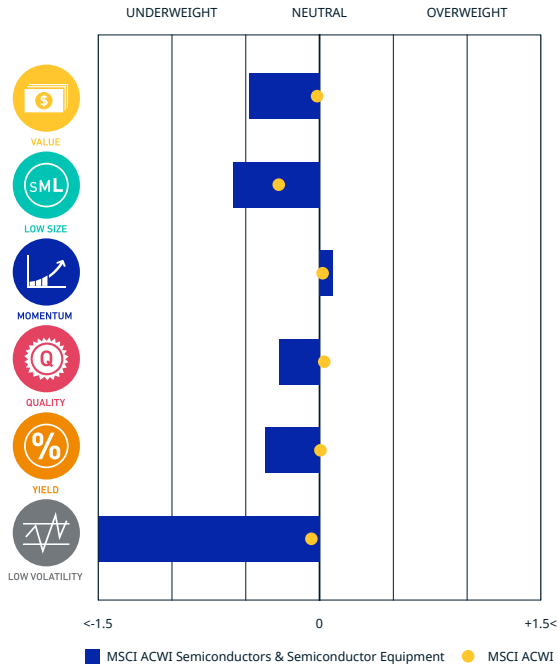
MSCI ACWI Semiconductors & Semiconductor Equipment	
Number of Constituents	89
Mkt Cap (USD Millions)	
Index	7,374,595.65
Largest	3,309,333.70
Smallest	158.78
Average	82,860.63
Median	2,863.95

TOP 10 CONSTITUENTS

	Country	Float Adj Mkt Cap (USD Billions)	Index Wt. (%)
NVIDIA	US	3,309.33	44.87
BROADCOM	US	1,077.93	14.62
TAIWAN SEMICONDUCTOR MFG	TW	794.94	10.78
ASML HLDG	NL	292.36	3.96
ADVANCED MICRO DEVICES	US	179.69	2.44
TEXAS INSTRUMENTS	US	166.80	2.26
QUALCOMM	US	161.32	2.19
APPLIED MATERIALS	US	127.55	1.73
ANALOG DEVICES	US	106.16	1.44
MICRON TECHNOLOGY	US	105.24	1.43
Total		6,321.32	85.72

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



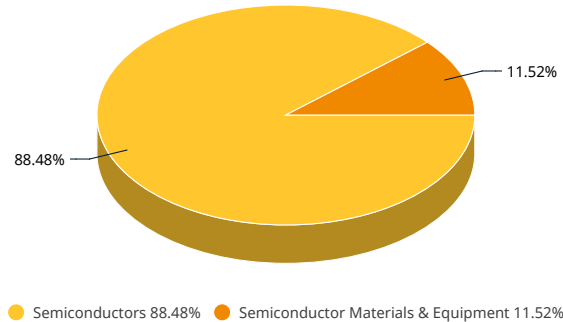
MSCI FaCS

- VALUE**
Relatively Inexpensive Stocks
- LOW SIZE**
Smaller Companies
- MOMENTUM**
Rising Stocks
- QUALITY**
Sound Balance Sheet Stocks
- YIELD**
Cash Flow Paid Out
- LOW VOLATILITY**
Lower Risk Stocks

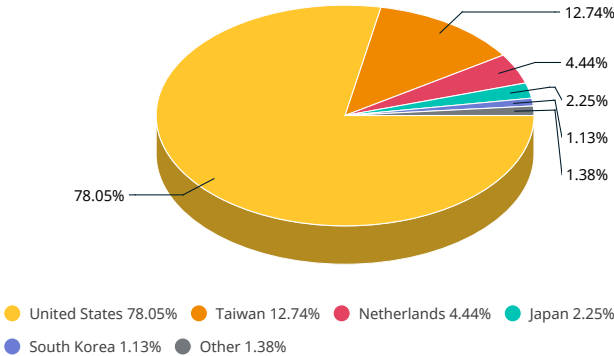
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

Neutral factor exposure (FaCS = 0) represents MSCI ACWI IMI.

SUB-INDUSTRY WEIGHTS



COUNTRY WEIGHTS



MSCI FACTOR BOX AND FaCS FRAMEWORK (Please refer to complete description of the MSCI FaCS methodology [here](#))

MSCI FaCS is a standard method for evaluating and reporting the Factor characteristics of equity portfolios. MSCI FaCS consists of Factor Groups (e.g. Value, Size, Momentum, Quality, Yield, and Volatility) that have been extensively documented in academic literature and validated by MSCI Research as key drivers of risk and return in equity portfolios. These Factor Groups are constructed by aggregating 16 factors (e.g. Book-to-Price, Earnings/Dividend Yields, LT Reversal, Leverage, Earnings Variability/Quality, Beta) from the latest Barra global equity factor risk model, GEMLT, designed to make fund comparisons transparent and intuitive for use. The MSCI Factor Box, which is powered by MSCI FaCS, provides a visualization designed to easily compare absolute exposures of funds/indexes and their benchmarks along 6 Factor Groups that have historically demonstrated excess market returns over the long run.

ABOUT MSCI

MSCI is a leading provider of critical decision support tools and services for the global investment community. With over 50 years of expertise in research, data and technology, we power better investment decisions by enabling clients to understand and analyze key drivers of risk and return and confidently build more effective portfolios. We create industry-leading research-enhanced solutions that clients use to gain insight into and improve transparency across the investment process. To learn more, please visit www.msci.com.

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