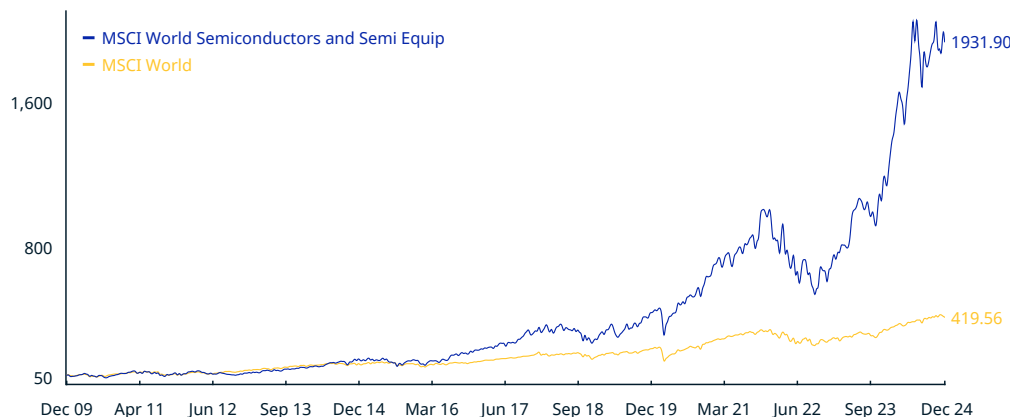


MSCI World Semiconductors and Semiconductor Equipment Index (USD)

The MSCI World Semiconductors and Semiconductor Equipment Index is composed of large and mid-cap stocks across 23 Developed Markets (DM) countries*. All securities in the index are classified in the Semiconductors and Semiconductor Equipment Industry Group (within the Information Technology sector) 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) (DEC 2009 – DEC 2024)



ANNUAL PERFORMANCE (%)

Year	MSCI World Semiconductors and Semi Equip	MSCI World
2024	61.63	18.67
2023	88.97	23.79
2022	-36.44	-18.14
2021	51.98	21.82
2020	46.70	15.90
2019	54.54	27.67
2018	-12.85	-8.71
2017	40.38	22.40
2016	30.45	7.51
2015	-2.80	-0.87
2014	28.48	4.94
2013	36.47	26.68
2012	0.31	15.83
2011	-4.06	-5.54

INDEX PERFORMANCE – NET RETURNS (%) (DEC 31, 2024)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since Dec 29, 2000
					3 Yr	5 Yr	10 Yr	Since Dec 29, 2000	
MSCI World Semiconductors and Semi Equip	2.09	4.42	61.63	61.63	24.75	34.05	26.36	10.86	
MSCI World	-2.61	-0.16	18.67	18.67	6.34	11.17	9.95	6.67	

FUNDAMENTALS (DEC 31, 2024)

Div Yld (%)	P/E	P/E Fwd	P/BV
0.56	52.90	27.24	10.76
1.73	23.04	19.06	3.57

INDEX RISK AND RETURN CHARACTERISTICS (DEC 31, 2024)

	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 World Semiconductors and Semi Equip	1.38	36.69	31.42	26.53	0.68	1.02	0.96	0.44	73.01	2001-01-30–2008-11-20
MSCI World	2.36	16.88	17.91	15.06	0.22	0.55	0.59	0.37	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.

The MSCI World Semiconductors and Semiconductor Equipment Index was launched on Sep 15, 1999. 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

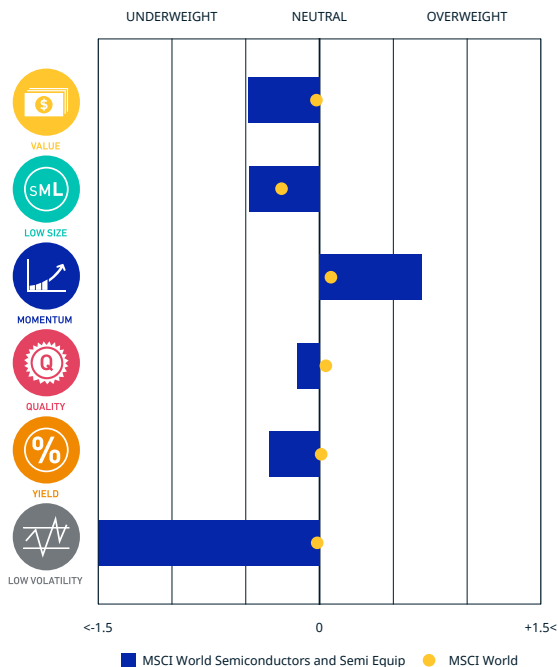
MSCI World Semiconductors and Semi Equip	
Number of Constituents	34
Mkt Cap (USD Millions)	
Index	6,329,764.24
Largest	3,294,133.70
Smallest	2,093.92
Average	186,169.54
Median	36,615.10

TOP 10 CONSTITUENTS

	Country	Float Adj Mkt Cap (USD Billions)	Index Wt. (%)
NVIDIA	US	3,294.13	52.04
BROADCOM	US	1,028.69	16.25
ASML HLDG	NL	280.83	4.44
ADVANCED MICRO DEVICES	US	195.50	3.09
TEXAS INSTRUMENTS	US	171.21	2.70
QUALCOMM	US	171.13	2.70
APPLIED MATERIALS	US	134.07	2.12
ANALOG DEVICES	US	105.48	1.67
MARVELL TECHNOLOGY	US	95.67	1.51
LAM RESEARCH CORP	US	93.62	1.48
Total		5,570.33	88.00

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



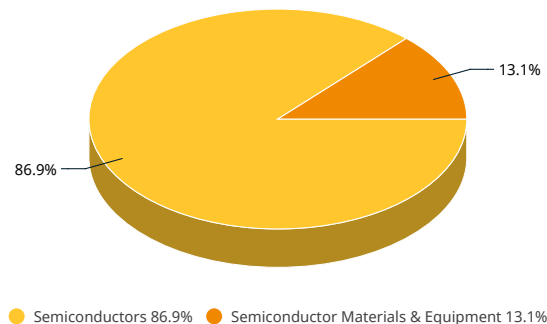
MSCI FaCS

- 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

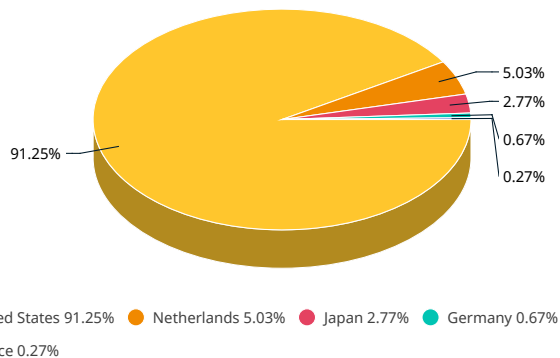
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

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 45 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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