

Index Methodology Guide for the FactSet Asia Semiconductor Index™

Version 1.4 – July 15, 2026

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Index Introduction and Objective

1.1 Index Overview

The FactSet Asia Semiconductor Index is an equity benchmark designed to track the performance of Asian companies that derive majority of their revenues (revenue exposure >50%) from semiconductor related industries or demonstrate significant market leadership from semiconductor related industries.

The FactSet Asia Semiconductor Index is a market capitalization weighted index reconstituted and rebalanced quarterly.

The FactSet Asia Semiconductor Index is calculated and maintained by Solactive AG – the Calculation Agent – based on a methodology developed by FactSet. It is calculated on a price return, total return and net total return basis in offshore China Renminbi (RMB) in CNH. The price return, total return, and net total return values of the Index are calculated on real-time and an end-of-day basis, from Monday to Friday 1:00 a.m. to 10:50p.m. CET (Central European Time).

Whenever possible, constituent changes to the index are announced five business days before becoming effective.

1.2 Inception Date and Base Value

The Index Inception Date was March 24th, 2017, with a base value of 100.00. The inception date refers to when the first back-tested index value was calculated. The back test is based on a similar methodology used to calculate the index when it was officially launched on June 29th, 2021.

1.3 Index Valuation Days

Index Valuation Days are business days, Monday to Friday.

1.4 Commencement Date

The index commencement date was June 29th, 2021. Commencement date refers to when the index was officially launched with continuous and end-of-day calculations.

1.5 Reconstitution and Rebalance Schedule

The index is reconstituted and rebalanced quarterly after the close of the 4th Friday of March, June, September, and December each year (“Reconstitution Day” and “Rebalance Day”).

If any of the existing or new index component is not trading on Reconstitution Day/Rebalance Day due to an exchange holiday, the reconstitution/rebalance is moved to the next business day.

The data used to reconstitute and rebalance the index is as of the close of 2nd Friday of March, June, September, and December (“Selection Day”) each year. Subsequent adjustment to the index composition may be made to account for corporate actions that occur between the Selection Day and the Reconstitution Day or Rebalance Day.

Index Construction

2.1 Constituent Selection and Weighting Schema

1. Select securities that are primarily listed on one of the following 12 exchanges, including the Bursa Malaysia, Hong Kong Stock Exchange, Indonesia Stock Exchange, Korea Stock Exchange, Philippine Stock Exchange, Shanghai Stock Exchange¹, Shenzhen Stock Exchange¹, Singapore Exchange, Stock Exchange of Thailand, Taiwan Stock Exchange, Tokyo Stock Exchange.
2. In addition, securities (common stocks or ADRs) that are primarily listed on the New York Stock Exchange (NYSE) or NASDAQ are eligible if they are either headquartered or incorporated in Asia, including China, Hong Kong, Indonesia, India, Malaysia, Philippines, Singapore, Japan, South Korea, Taiwan, or Thailand. The securities have a total market capitalization of USD \$1 billion and a minimum three-month Average Daily Trading Value (ADTV) of HKD \$20 million. Existing Index constituents may remain in the Index if its three-month ADTV is greater than HKD \$15 million on the Selection Day.
3. Select securities classified to one of the following FactSet Revere Business Industry Classification Systems Focus ("RBICS Focus") at its Level 6 Sub-industries.

A.I./Large Scale Processing Graphics Controller
Assembly Equipment Manufacturing
Autonomous Vehicles Semiconductors
Computer/Gaming Graphics Accelerator/Controller
Conventional Flat Panel Display Equipment
Cryptomining Semiconductors
Data Center Graphics Accelerator/Controller
Diversified Semiconductor Capital Equipment Makers
Diversified Semiconductors
Flash Memory Semiconductors
General Analog and Mixed Signal Semiconductors
General Automotive Semiconductors
General Graphics Accelerator/Controller
Handheld Graphics Accelerator/Controller
Image Sensor and Image Capture Semiconductors
Light Emitting Diode Discrete Semiconductors
Multimedia Semiconductors
Other Discrete Semiconductors
Other Front-End Processing Equipment Makers*
Other Interconnect Fabrication Services
Other Memory Semiconductors

¹For securities primarily listed on the Shanghai Stock Exchange (including the SSE STAR Market) or Shenzhen Stock Exchange (including the SZSE ChiNext Board), only those eligible for trading through the Stock Connect program qualify for index inclusion. As an exception, a security not eligible for Stock Connect may qualify at a scheduled reconstitution or pursuant to the Fast Entry Rule in Section 3.3, provided its total market capitalization is equal to or greater than the 50th percentile total market capitalization of existing index constituents as of the applicable Selection Day or, in the case of a Fast Entry review, the applicable eligibility assessment date. Any such inclusion is deferred until the security completes at least one full trading session without triggering the applicable daily price limit on its primary listing exchange.

Other Power Analog and Mixed Signal Semiconductors
Other Processor Semiconductors
Quantum Processor Semiconductors
RF Analog and Mixed Signal Semiconductors
Security and Identification Semiconductors
Semiconductor Foundry Services
Semiconductor packaging and Testing Services
Specialty Analog and Mixed Signal Semiconductors
Test, Measurement and Metrology Equipment Makers
Turnkey Assembly Manufacturing Services
Volatile Memory Semiconductors
Wafer Blank Makers and Equipment Manufacturing*
Photolithography Equipment Manufacturing

** For companies that are either classified as ‘Other Front-End Processing Equipment Makers’ or ‘Wafer Blank Makers and Equipment Manufacturing’, exclude those that are mapped to ‘Photovoltaic Wafers’ in Revere Hierarchy.*

OR select companies that are market leaders in one of the (34) aforementioned RBICS Level 6 Industry classification above (but are not classified as Focus). Market leadership is defined as:

i. Having the global market share ranking of top 5 in one of the aforementioned RBICS Level 6 industry classification or;

ii. Generating USD \$10 billion or more in absolute annual revenue of the latest fiscal year from one of the aforementioned RBICS Level 6 industry classification.²

4. For securities that remain after step 1 to 3, rank securities’ total market capitalization, in descending order. Select top 40 ranked securities.
5. If the number of securities is less than 40 after the aforementioned steps 1 to 3, the list of RBICS L6 Sub-industries in step 3 shall be expanded based on consultation with FactSet Index Committee and this Index Methodology will be updated to reflect the expanded list of Sub-industries.
6. Apply the total market capitalization weighting methodology to securities that remain

after step 1 to 5 by dividing their individual total market capitalization to the sum total market capitalization of all securities.

Individual security weights are capped at 15.0%. In addition, the aggregated weight of China A-share constituents not eligible for Stock Connect is capped at 8.0%. Any excess weights are redistributed proportionally among remaining uncapped securities. The aggregated weight of any listing location exposure, in terms of jurisdiction, is capped at 30%, and any excess weights are redistributed proportionally among uncapped listing jurisdictions.

In addition to the above selection schema, FactSet may at its discretion and in consultation with index licensee, modify one or more selection criteria to ensure relevant and timely capture of the theme.

² This minimum absolute annual revenue amount is subject to annual review by FactSet.

2.2 Index Return Formulas

The price, total and net total returns levels of the index are calculated using the following formulas.

$$I_{(t)} = \frac{\sum_{i=1}^n S_{i(t)} \times P_{i(t)} \times FX_{i(t)}}{D_{(t)}}$$

where:

$I_{(t)}$ = Index value on Index Valuation Day (t)

$D_{(t)}$ = Divisor on Index Valuation Day (t)

n = Number of stocks in the index

$P_{i(t)}$ = Closing price of stock (i) on Index Valuation Day (t)

$S_{i(t)}$ = Number of allocated shares of stock (i) on Index Valuation Day (t)

$FX_{i(t)}$ = WM Reuters FX rate published at 4:00pm London time on Index Valuation Day (t) required to convert closing price of stock (i) in index currency, CNH.

and on Inception Date, where (t) = 0, the initial divisor is calculated as follows:

$$D_{(0)} = \frac{\sum_{i=1}^n S_{i(0)} \times P_{i(0)} \times FX_{i(0)}}{I_{(0)}}$$

where:

$I_{(0)}$ = Price Returns Index value on Index Inception Date

$D_{(0)}$ = Divisor on Index Inception Date

n = Number of stocks in the index on Index Inception Date

$P_{i(0)}$ = Price of stock (i) on Index Inception Date

$S_{i(0)}$ = Number of allocated shares of stock (i) on Index Inception Date

$FX_{i(t)}$ = WM Reuters FX rate published at 4:00pm London time on Index Inception Date required to convert closing price of stock (i) in index currency, CNH.

Allocated shares (“S”) are the number of shares required for each constituent such that all constituents

are total market capitalization weighted. Allocated shares ("S") would be adjusted accordingly to account for Corporate Actions.

Net total return is calculated to account for the effect of tax withholding on dividends by adjusting dividend taken out due to tax payment.

2.3 Index Divisor Adjustments

From time to time, the index divisor is adjusted to account for corporate actions that could distort index value and continuity using the following formula:

$$D_{(t+1)} = D_{(t)} \times \frac{\sum_{i=1}^n AS_{i(t+1)} \times AP_{i(t+1)} \times FX_{i(t)}}{\sum_{i=1}^n S_{i(t)} \times P_{i(t)} \times FX_{i(t)}}$$

where:

- $D_{(t+1)}$ = Divisor for Index Valuation Day (t+1) after CA and rebal adjustment
- $D_{(t)}$ = Divisor for Index Valuation Day (t)
- $AP_{i(t+1)}$ = Adjusted price of stock (i) calculated for open on Index Valuation Day (t+1) after CA adjustment
- $P_{i(t)}$ = Closing price of stock (i) on Index Valuation Day (t)
- $S_{i(t)}$ = Number of allocated shares of stock (i) on Index Valuation Day (t)
- $AS_{i(t+1)}$ = Adjusted number of allocated shares of stock (i) for open on Index Valuation Day (t+1) after CA adjustment.

Divisor adjustments are generally implemented on the date the corporate action becomes effective, such that for example, the ex-dividend date rather than the payment date is used to time the divisor adjustment.

Find below a detailed calculation for AP, AS, and S in case of corporate actions and rebalancing.

$AP_{i(t)}$ = Adjusted price of stock (i) is determined for the open on Index Valuation Day (t) shall mean:

- If index constituent opens ex-date in respect of the corporate action, then $AP_{i(t)}$ is determined as per Corporate Action Adjustment Section.
- Otherwise

$$AP_{i(t)} = P_{i(t-1)}$$

$S_{i(t)}$ = Number of allocated shares of stock (i) on Index Valuation date (t) is determined as

$$S_{i(t)} = AS_{i(t)}$$

$AS_{i(t)}$ = Adjusted number of allocated shares of stock (i) for open on Index Valuation Day (t) after CA adjustment is determined as:

- If such day opens immediately following the Rebalancing Day (t-1) and if:
 - index constituent opens ex-date in respect to corporate action, then $AS_{i(t)}$ is determined as per Corporate Action Adjustment Section with $S_{i(t-1)}$ replace with:

$$S_{i(t-1)} = \frac{I_{(t-1)} \times Weight_{i(t-1)}}{P_{i(t-1)} \times FX_{i(t-1)}}$$

- index constituent does not open ex-date in respect to corporate action, then $AS_{i(t)}$ is determined as:

$$AS_{i(t)} = \frac{I_{(t-1)} \times Weight_{i(t-1)}}{P_{i(t-1)} \times FX_{i(t-1)}}$$

- On any other day:
 - index constituent opens ex-date in respect to corporate action, then $AS_{i(t)}$ is determined as per Corporate Action Adjustment Section
 - Otherwise:

$$AS_{i(t)} = S_{i(t-1)}$$

where $Weight_{i(t-1)}$ is determined as per Section 2.1.

2.4 Corporate Action Adjustments

Special Cash Dividend:

$$AP_{i,t} = P_{i,t-1} - D_{i,t} \times FX_{d,t-1}$$

Where

t = Index Valuation Date (t) is ex-date for corporate action.

$D_{i,t}$ = Dividend amount corresponding to stock (i) with ex-date (t).

$FX_{d,t-1}$ = WM Reuters FX rate published at 4:00pm London time fixing on Index Valuation Day (t) required to convert dividend amount in underlying stock currency, CNH.

Spin-off Adjustment

On effective date, the spun-off security will be added to Index with a Price of 0 and the price of the parent company will remain unchanged.

$$AP_{i,t,s} = P_{i,t-1} - P_{f,t-1} \times Share\ Ratio_{f,t} \times FX_{j,t-1}$$

Where

$P_{f,t-1}$ = Closing price of Spin-off stock on Index Valuation Date (t-1).

$FX_{j,t-1}$ = WM Reuters FX rate published at 4:00pm London time on Index Valuation Day (t) required to convert price of spun-off company to constituent stock currency, CNH.

Rights Issue Adjustment

$$AP_{j,t} = \frac{P_{j,t-1} + C_{j,t} \times \text{Share Ratio}_{j,t}}{1 + \text{Share Ratio}_{j,t}}$$
$$AS_{j,t} = S_{j,t-1} \times (1 + \text{Share Ratio}_{j,t})$$

Where

$C_{j,t}$ = Official tender price

Stock Splits Adjustment

$$AP_{j,t} = \frac{P_{j,t-1} + C_{j,t} \times \text{Share Ratio}_{j,t}}{1 + \text{Share Ratio}_{j,t}}$$
$$AS_{j,t} = S_{j,t-1} \times (1 + \text{Share Ratio}_{j,t})$$

Stock distribution

$$AP_{j,t} = P_{j,t-1} \times \frac{1}{1 + \text{Share Ratio}_{j,t}}$$

$$AS_{j,t} = S_{j,t-1} \times (1 + \text{Share Ratio}_{j,t})$$

Index Maintenance

Constituent changes may occur between review periods due to corporate events that disqualify their eligibility for index inclusion. Adjustments to corporate events are described below:

3.1 Corporate Actions – Delisting

A constituent is removed immediately after being delisted from its primary markets.

3.2 Corporate Actions – Merger or Acquisition

If a merger or acquisition results in one constituent acquiring another, the acquiring company remains a constituent, and the acquired company is removed. If a non-constituent acquires a constituent, the acquired constituent is removed. If a constituent acquires a non-constituent, the acquiring constituent remains a constituent.

3.3 Corporate Actions – Spin-off and Fast Entry

If a constituent spins or splits off a portion of its business, both the spun-off company and the parent company (the entity representing the existing constituent) will be kept in the index and be considered for removal from the index at the next Reconstitution or Rebalance Day should they fail to meet the eligibility criteria in Section 2.1.

Fast entry rule: A stock may be eligible for fast-track addition to the Index between scheduled reconstitution or rebalance periods five trading days after (i) its listing date, in the case of an IPO, or (ii) its first inclusion in the Stock Connect eligible securities list, in the case of an existing China A-share stock. In either case, the stock must meet the minimum liquidity requirement and all other required selection criteria, and have a total market capitalization equal to or greater than the 50th percentile total market capitalization of existing Index constituents as of the applicable eligibility assessment date.

3.4 Corporate Actions – Bankruptcy

If a constituent is delisted after bankruptcy, it will be removed immediately with a price of 0 from the index.

Index Calculation and Data Correction

4.1 Index Calculation

Price, Total Return, and Net Total Return values for the FactSet Asia Semiconductor Index are calculated by Solactive AG. The price, total and net total return values are calculated on a continuous and end-of-day basis by using the trading price for each component in the index from relevant exchanges and markets. Index values are rounded to 2 decimal places and divisors are rounded to 6 decimal places.

If trading in a stock is suspended prior to the market opening, the stock's adjusted closing price from the previous day will be used in the index calculation until trading commences. If trading in a stock is suspended while the relevant market is open, the official closing price published by relevant exchange for that stock will be used for all subsequent index calculations until trading resumes.

In case of exceptional market conditions disrupting normal closing auction, or causing official closing prices not being available, Solactive and FactSet reserve the right to utilize other prices in the calculation of the official closing level.

4.2 Data Correction

Incorrect index constituent data, corporate action data, or index divisors will be corrected upon detection. If such errors are discovered within five days of occurrence, they will be corrected retroactively on the day of discovery. If discovered after five days, corrective actions will be decided based on the errors' significance and feasibility of a correction.

4.3 Decision Making in Undocumented Events

A FactSet Index Committee consisting of select employees of FactSet Research Systems Inc. is responsible for amending rules as documented in the Index Methodology Guide due to undocumented or extraordinary events.

Additional Information

5.1 Sanctions Affecting Index Inclusion

Sanctions policies may affect investors' ability to transact or hold securities of certain issuers. FactSet monitors and reviews these sanctions' impact on its indices and amends the index rules as appropriate.

The following exclusionary rule is currently in effect:

- Russian Federation: All companies sanctioned by the United States (OFAC)¹ do not qualify for inclusion in FactSet equity indices. In addition, all companies with a Russian Federation country of risk as defined by FactSet, do not qualify for inclusion in FactSet equity indices.

¹ <https://home.treasury.gov/policy-issues/financial-sanctions/sanctions-programs-and-country-information/ukraine-russia-related-sanctions>
<https://home.treasury.gov/policy-issues/financial-sanctions/sanctions-programs-and-country-information/russian-harmful-foreign-activities-sanctions>
<https://home.treasury.gov/policy-issues/financial-sanctions/sanctions-programs-and-country-information/belarus-sanctions>

5.2 Contact Information

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5.3 Version History

Version	Release Date	Notes
Version 1.0	June 21 st , 2021	
Version 1.1	September 13 th , 2024	RBICS L6 List Update
Version 1.2	May 1 st , 2026	Addition of Fast Entry Rule
Version 1.3	June 12 th , 2026	Increased individual stock cap and moved to quarterly reconstitution and rebalancing
Version 1.4	July 15 th , 2026	Weighting schema has changed to total market capitalization. China A-share constituent not eligible for Stock Connect becomes eligible, as well as when it first becomes eligible for Northbound Stock Connect trading, provided it meets certain the designated market capitalization threshold.