

ASE Technology Holding Co., Ltd.  
Form S-8  
February 26, 2019

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

FORM S-8

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

ASE Technology Holding Co., Ltd.  
(Exact name of registrant as specified in its charter)

**Republic of China**  
(State or other jurisdiction of incorporation or  
organization)

**N/A**  
(I.R.S. Employer Identification  
No.)

**26 Chin Third Road**  
**Nantze Export Processing Zone**  
**Nantze, Kaohsiung, Taiwan**  
**Republic of China**  
(Address of Principal Executive  
Offices)

ASE Technology Holding Co., Ltd. 2018 Employee Stock Option Plan  
(Full Title of the Plan)

C T Corporation System  
111 Eighth Avenue  
New York, New York 10011  
(212) 590-9070  
(Name, address and telephone number, including area  
code, of agent for service)

Copy to:

James C. Lin, Esq.  
 Davis Polk & Wardwell LLP  
 c/o 18th Floor, The Hong Kong Club Building  
 3A Chater Road  
 Hong Kong  
 (852) 2533-3300

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of “large accelerated filer,” “accelerated filer,” “smaller reporting company,” and “emerging growth company” in Rule 12b-2 of the Exchange Act.

Large accelerated filer

Accelerated filer

Non-accelerated filer (Do not check if a smaller reporting company) Smaller reporting company

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

CALCULATION OF REGISTRATION FEE

Title of securities to be registered	Amount to be registered <sup>(1)</sup>	Proposed maximum offering price per share	Proposed maximum aggregate offering price	Amount of registration fee <sup>(5)</sup>
Common Shares, par value NT\$10.00 per share	131,862,500 <sup>(2)</sup>	US\$1.84 <sup>(2)</sup>	US\$242,627,000	US\$29,406.39
	17,517,500 <sup>(3)</sup>	US\$1.99 <sup>(3)</sup>	US\$34,859,825	US\$4,225.01
TOTAL	150,000,000 <sup>(4)</sup>		US\$277,486,825	US\$33,631.40

Notes:

(1) This Registration Statement on Form S-8 (this “Registration Statement”) covers Common Shares, par value NT\$10.00 per share (the “Shares”) of ASE Technology Holding Co., Ltd. (the “Company” or the “Registrant”) (i) issuable pursuant to the ASE Technology Holding Co., Ltd. 2018 Employee Stock Option Plan (the “Plan”) and (ii) pursuant to Rule 416(a) under the Securities Act of 1933, as amended (the “Securities Act”), any additional Shares

that become issuable under the Plan by reason of any stock dividend, stock split, or other similar transaction.

(2) These Common Shares to be registered represent shares of currently outstanding options under the Plan. The per share and aggregate offering prices are estimated pursuant to Rule 457(h) under the Securities Act solely for the purpose of calculating the amount of the registration fee, based on NT\$56.4, which is the exercise price of options already granted. For the purpose of calculating the per share and aggregate offering prices, New Taiwan dollar amounts were translated into U.S. dollars at a rate of NT\$30.71 to US\$1.00, the exchange rate as set forth in the H.10 weekly statistical release of the Federal Reserve System of the United States on February 22, 2019.

(3) These Common Shares to be registered are reserved for future grants under the Plan. The per share and aggregate offering prices are estimated pursuant to Rule 457(h) under the Securities Act solely for the purpose of calculating the amount of the registration fee, based on the average of the high price of NT\$62.3 and the low price of NT\$60.0 of the Registrant's Common Shares reported on the Taiwan Stock Exchange on February 25, 2019, in accordance with Rule 457(c) under the Securities Act. For the purpose of calculating the per share and aggregate offering prices, New Taiwan dollar amounts were translated into U.S. dollars at a rate of NT\$30.71 to US\$1.00, the exchange rate as set forth in the H.10 weekly statistical release of the Federal Reserve System of the United States on February 22, 2019.

(4) This total amount includes 620,000 shares that are not listed above because the Company has canceled these shares and will not reserve these shares for future grants.

(5)

Rounded up to the nearest penny.

PART I

INFORMATION REQUIRED IN THE SECTION 10(a) PROSPECTUS

Information required by Item 1 and Item 2 of Part I to be contained in the Section 10(a) prospectus is omitted from this Registration Statement in accordance with the provisions of Rule 428 under the Securities Act and the introductory note to Part I of Form S-8. The documents containing the information specified in Part I have been or will be delivered to the participants in the Plan as required by Rule 428(b). These documents, which include the statement of availability required by Item 2 of Part I, and the documents incorporated by reference in this Registration Statement pursuant to Item 3 of Part II, taken together, constitute a prospectus that meets the requirements of Section 10(a) of the Securities Act.

PART II

INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

Item 3. Incorporation of Documents by Reference

The following documents of the Registrant filed with the Securities and Exchange Commission (the “Commission”) are incorporated herein by reference:

the annual report on Form 20-F under the Securities Exchange Act of 1934, as amended (the “Exchange Act”) for (a) Advanced Semiconductor Engineering, Inc. (“ASE”), the predecessor company of the Registrant, for the fiscal year ended December 31, 2017 filed with the Commission on March 28, 2018; and

the description of common shares and American depositary shares of the Registrant contained under the headings (b) “Description of HoldCo Common Shares” and “Description of HoldCo American Depositary Shares” in ASE’s registration statement on Form F-4 (File No. 333-214752) filed with the Commission on January 16, 2018, including any amendment or report filed for the purpose of updating such description.

In addition, all documents subsequently filed by the Registrant pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act, prior to the filing of a post-effective amendment which indicates that all securities offered hereby have been sold or which deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference in this Registration Statement and to be part hereof from the date of filing of such documents.

Any statement contained herein or in a document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for purposes hereof or of the related prospectus to the extent that a statement contained herein, (or in any other subsequently filed document which is also incorporated or deemed to be incorporated by reference herein), modifies or supersedes such statement. Any such statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this Registration Statement.

Item 4. Description of Securities

Not applicable.

Item 5. Interests of Named Experts and Counsel

Not applicable.

Item 6. Indemnification of Directors and Officers

The relationship between the Registrant and its directors and officers is governed by the Republic of China (“ROC”) Civil Code, the ROC Company Law and the Registrant’s Articles of Incorporation. There is no written contract between the Registrant and its directors and officers governing the rights and obligations of such parties. Under Section 10, Chapter 2, Book II of the ROC Civil Code, each person who was or is a party or is threatened to be made a party to, or is involved in any threatened, pending or completed action, suit or proceeding by reason of the fact that such person is or was a director or officer of the Registrant, in the absence of willful misconduct or negligence on the part of such person in connection with such person’s performance of duties as a director or officer, as the case may be, may be indemnified and held harmless by the Registrant to the fullest extent permitted by applicable law. In addition, the Registrant has obtained an insurance policy which provides liability coverage, including coverage for liabilities arising under the U.S. federal securities laws, for directors and officers and which contains certain exceptions and exclusions.

Item 7. Exemption from Registration Claimed

Not applicable.

Item 8. Exhibits

EXHIBIT INDEX

<b>Exhibit No.</b>	<b>Description</b>
<u>4.1</u>	<u>Articles of Incorporation of the Registrant (English translation) (incorporating all amendments as of June 21, 2018).</u>
<u>5.1</u>	<u>Opinion of Lee and Li, ROC counsel to the Registrant, as to the legality of the securities being registered.</u>
<u>23.1</u>	<u>Consent of Deloitte &amp; Touche, independent registered public accounting firm.</u>
<u>23.2</u>	<u>Consent of Lee and Li (included in Exhibit 5.1).</u>
<u>23.3</u>	<u>Consent of PricewaterhouseCoopers, independent registered public accounting firm.</u>
<u>24.1</u>	<u>Power of Attorney (included in the signature pages hereof).</u>

99.1 ASE Technology Holding Co., Ltd. 2018 Employee Stock Option Plan (English translation).

(a) The undersigned Registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this Registration Statement:

(i) To include any prospectus required by Section 10(a)(3) of the Securities Act;

(ii) To reflect in the prospectus any facts or events arising after the effective date of this Registration Statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in this Registration Statement;

(iii) To include any material information with respect to the Plan not previously disclosed in this Registration Statement or any material change to such information in this Registration Statement;

*provided, however,* that paragraphs (a)(1)(i) and (a)(1)(ii) do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Commission by the Registrant pursuant to Section 13 or Section 15(d) of the Exchange Act that are incorporated by reference in this Registration Statement.

(2) That, for the purpose of determining any liability under the Securities Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(b) The undersigned Registrant hereby undertakes that, for purposes of determining any liability under the Securities Act, each filing of the Registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Exchange Act (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Exchange Act) that is incorporated by reference in this Registration Statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(c) Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the Registrant pursuant to the foregoing provisions, or otherwise, the Registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Registrant of expenses incurred or paid by a director, officer or controlling person of the Registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the Registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in Taipei, Taiwan, Republic of China, on February 26, 2019.

ASE TECHNOLOGY  
HOLDING CO., LTD.

By: /s/ Jason C.S. Chang  
Name: Jason C.S. Chang  
Title: Chairman

## POWER OF ATTORNEY

Know all persons by these presents, that each person whose signature appears below, constitutes and appoints each of Jason C.S. Chang and Joseph Tung as his or her true and lawful attorney-in-fact and agent, upon the action of such appointee, with full power of substitution and resubstitution, to do any and all acts and things and execute, in the name of the undersigned, any and all instruments which each of said attorneys-in-fact and agents may deem necessary or advisable in order to enable ASE Technology Holding Co., Ltd. to comply with the Securities Act of 1933, as amended (the "Securities Act"), and any requirements of the Securities and Exchange Commission (the "Commission") in respect thereof, in connection with the filing with the Commission of this registration statement under the Securities Act, including specifically but without limitation, power and authority to sign the name of the undersigned to such registration statement, and any amendments to such registration statement (including post-effective amendments), and to file the same with all exhibits thereto and other documents in connection therewith, with the Commission, to sign any and all applications, registration statements, notices or other documents necessary or advisable to comply with applicable state securities laws, and to file the same, together with other documents in connection therewith with the appropriate state securities authorities, granting unto each of said attorneys-in-fact and agents full power and authority to do and to perform each and every act and thing requisite or necessary to be done in and about the premises, as fully and to all intents and purposes as the undersigned might or could do in person, hereby ratifying and confirming all that each of said attorneys-in-fact and agents may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act, this registration statement has been signed below by the following persons in the capacities and on the dates indicated.

<b>Signature</b>	<b>Title</b>	<b>Date</b>
/s/ Jason C.S. Chang Jason C.S. Chang	Management Director, Chairman and Chief Executive Officer (principal executive officer)	February 26, 2019
/s/ Richard H.P. Chang Richard H.P. Chang	Management Director, Vice Chairman and President	February 26, 2019
/s/ Bough Lin Bough Lin	Management Director	February 26, 2019
/s/ Chi-Wen Tsai Chi-Wen Tsai	Management Director	February 26, 2019
/s/ Rutherford Chang Rutherford Chang	Management Director	February 26, 2019
/s/ Tien Wu Tien Wu	Management Director, Chief Operating Officer	February 26, 2019
/s/ Joseph Tung Joseph Tung	Management Director and Chief Financial Officer (principal financial officer)	February 26, 2019

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/s/ Raymond Lo Raymond Lo	Management Director	February 26, 2019
/s/ Tien-Szu Chen Tien-Szu Chen	Management Director	February 26, 2019
/s/ Jeffrey Chen Jeffrey Chen	Management Director	February 26, 2019
/s/ Shen-Fu Yu Shen-Fu Yu	Independent Director	February 26, 2019
/s/ Ta-Lin Hsu Ta-Lin Hsu	Independent Director	February 26, 2019
/s/ Mei-Yueh Ho Mei-Yueh Ho	Independent Director	February 26, 2019
/s/ Murphy Kuo Murphy Kuo	Controller and Vice President (principal accounting officer)	February 26, 2019

SIGNATURE OF AUTHORIZED REPRESENTATIVE OF THE REGISTRANT

Pursuant to the Securities Act of 1933, as amended, the undersigned, the duly authorized representative in the United States of the registrant, has signed this registration statement or amendment thereto in Newark, Delaware, on February 26, 2019.

PUGLISI & ASSOCIATES

By: /s/ Donald J. Puglisi  
Name: Donald J. Puglisi  
Title: Managing Director