Part I  Reporting Issuer

1  Issuer's name  
   Teradyne, Inc.  

2  Issuer's employer identification number (EIN)  
   04-2272148  

3  Name of contact for additional information  
   Andrew Blanchard  

4  Telephone No. of contact  
   978-370-2425  

5  Email address of contact  
   investorrelations@teradyne.com  

6  Number and street (or P.O. box if mail is not delivered to street address) of contact  
   600 Riverpark Drive  

7  City, town, or post office, state, and ZIP code of contact  
   North Reading, MA 01864  

8  Date of action  
   December 12, 2017  

9  Classification and description  
   1.25% Senior Convertible Notes Due 2023  

10 CUSIP number  
    880770 AG7  

11 Serial number(s)  
    ISIN US880770AG70  

12 Ticker symbol  
    TER  

13 Account number(s)  

Part II  Organizational Action  

Attach additional statements if needed. See back of form for additional questions.  

14 Describe the organizational action and, if applicable, the date of the action or the date against which shareholders' ownership is measured for the action ▶️ See Appendix A attached hereto.  

15 Describe the quantitative effect of the organizational action on the basis of the security in the hands of a U.S. taxpayer as an adjustment per share or as a percentage of old basis ▶️ See Appendix A attached hereto.  

16 Describe the calculation of the change in basis and the data that supports the calculation, such as the market values of securities and the valuation dates ▶️ See Appendix A attached hereto.
Part II  Organizational Action (continued)

17  List the applicable Internal Revenue Code section(s) and subsection(s) upon which the tax treatment is based ▶
Sections 301(c), 301(d), 305(b)(2), 305(c), and 316.

18  Can any resulting loss be recognized? ▶ This is not a loss transaction.

19  Provide any other information necessary to implement the adjustment, such as the reportable tax year ▶ The reportable tax year for this conversion rate adjustment is 2017 for a calendar year taxpayer.

Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete. Declaration of preparer (other than officer) is based on all information of which preparer has any knowledge.

Signature ▶ Michael Callahan

Date ▶ 1/13/201

Send Form 8937 (including accompanying statements) to: Department of the Treasury, Internal Revenue Service, Ogden, UT 84201-0054
Teradyne, Inc. (NASDAQ: TER) (the "Company") has outstanding $460 million in aggregate principal amount of 1.25% Convertible Senior Subordinated Notes due 2023 (the "2023 Notes"). The 2023 Notes are convertible, at the option of the holders, at any time prior to the close of business on the business day immediately preceding December 15, 2023, into shares of the Company's common stock, par value $0.125 per share (the "Common Stock"). The terms of the 2023 Notes include antidilutive protections that provide for an increase in the number of shares of Common Stock issued by the Company upon conversion of the 2023 Notes in the event of payment of quarterly cash dividends on the Common Stock. This increase in the conversion rate on the 2023 Notes shall occur on the ex-dividend date for quarterly cash dividends paid on the Common Stock if such an adjustment to the conversion rate results in a change of 1.0% or greater to the conversion rate in effect immediately prior to such adjustment (the "1% Threshold"). If the 1% Threshold is not met, the increase in the conversion rate on the 2023 Notes shall occur on the annual anniversary date of the issuance of the 2023 Notes.

Section 6045B of the U.S. Internal Revenue Code (the "Code") and the Treasury Regulations promulgated thereunder provide that, if a company pays a cash dividend with respect to its stock that results in a conversion rate adjustment on a convertible debt instrument that is treated as a deemed distribution under Section 305(b)(2) and (c) of the Code, an information return on Form 8937, Report of Organizational Actions Affecting Stock Basis of Securities, must be filed with the Internal Revenue Service or, in lieu of filing, posted to the company's public website.

The information contained in the attached Form 8937 and this Appendix A is intended to satisfy the public reporting requirements under Section 6045A of the Code and is intended to provide only a general summary of certain U.S. federal income tax consequences of the conversion rate adjustment. Such information is not intended to be a complete analysis or description of all potential federal or other tax consequences of the conversion rate adjustment. You should consult your own tax advisor to determine the particular federal, state, local, or foreign income, reporting, or other tax consequences of the conversion rate adjustment applicable to you.

**Line 14 - Description of the Organizational Action**

In 2017, the Company paid quarterly cash dividends with respect to its Common Stock in March, June, September and December of $0.07 per share, therefore requiring a conversion rate increase with respect to the 2023 Notes. As the conversion rate adjustments, individually and in the aggregate, for the 2017 cash dividends did not meet the 1% Threshold, the conversion rate increase on the 2023 Notes is effective on the 2017 anniversary date of the issuance of the 2023 Notes (December 12, 2017). The December 12, 2017 conversion rate increase results in a deemed dividend to holders of the 2023 Notes under Section 305(c) of the Code effective December 12, 2017.

**Line 15 - Description of the Quantitative Effect of the Organizational Action**

Effective December 12, 2017, the conversion rate on the 2023 Notes increased from 31,4102 shares of Common Stock per $1,000 principal (the conversion rate as of December 12, 2016) to 31,4463 shares of Common Stock per $1,000 principal of 2023 Notes held. The section 305(c) deemed dividend to holders of the 2023 Notes that resulted from the conversion rate change increased the basis of the 2023 Notes by $1.4783 per $1,000 principal of 2023 Notes held.
**Line 16 - Description of Calculation of the Change**

The calculation of the adjusted conversion rate per $1,000 principal of 2023 Notes held is set forth below. The "Market Value" under the indenture for the 2023 Notes is the average closing price for the 10 trading days preceding and including the day before the ex-dividend date (such date was November 28, 2017).

\[
\text{Adj. Conversion Rate} = \text{PCR} \times \frac{\text{MV} (\$43.57) - \text{DTA} (\$0.06)}{\text{MV} (\$43.57) - \text{D} (\$0.07)} = 31.4463
\]

\[
\text{Basis Adjustment} = \text{SP} (\$40.95) \times \text{Conversion Adj.} \times \frac{[(31.4463) - (31.4102)]}{12} = 1.4783 \text{ per } \$1,000 \text{ of principal amount of the 2023 Notes}
\]

**PCR** = Prior Conversion Ratio (Calculated for Prior Quarter)

**MV** = Market Value of 1 Common Share (As Calculated per 2023 Notes Indenture)

**DTA** = Dividend Threshold Amount

**D** = Dividend Amount (December 2017)

**SP** = Stock Price (December 12, 2017)