

Needham & Company's 20th Annual Growth Conference

January 17th, 2018

New York, NY

Any statements set forth herein that are not historical facts are forward-looking statements that involve risks and uncertainties that could cause actual results to differ materially from those in the forward-looking statements. Such forward-looking statements include, but are not limited to, statements regarding expectations of revenue and gross profit in 2017 and beyond, and expectations of the achievement of the goal of \$1 billion annual revenue in fiscal 2017 and long-term financial targets of \$1 billion annual gross profit by 2025, stated as of December 14, 2017; as well as updates to Diodes Incorporated's fourth quarter 2017 business outlook as of November 7, 2017, which include the following: expect revenue to range between \$260 million and \$280 million, or down 8.9 to 1.8 percent sequentially or up 12.0 to 20.6 percent year-over-year; expect GAAP gross margin to be 34.9 percent, plus or minus 1 percent; expect non-GAAP gross margin to be 35.0 percent, plus or minus 1 percent; non-GAAP operating expenses, which are GAAP operating expense adjusted for KFAB closure costs, retention costs, and amortization of acquisition-related intangible assets, are expected to be approximately 23.5 percent of revenue, plus or minus 1 percent; expect net interest expense to be approximately \$3.0 million; expect tax rate to be 29.0 percent, plus or minus 3 percent; shares used to calculate diluted EPS for the fourth quarter are anticipated to be approximately 50.8 million; purchase accounting adjustments for Pericom and previous acquisitions of \$3.9 million after tax and KFAB closure costs of \$3.8 million are not included in these non-GAAP estimates; and other statements identified by words such as "estimates," "expects," "projects," "plans," "will," and similar expressions.

Potential risks and uncertainties include, but are not limited to, such factors as: the risk that such expectations may not be met: the risk that the expected benefits of acquisitions may not be realized or that integration of acquired businesses, such as Pericom, may not continue as rapidly as we anticipate; the risk that we may not be able to maintain our current growth strategy or continue to maintain our current performance, costs, and loadings in our manufacturing facilities; the risk that we may not be able to increase our automotive or other revenue and market share; risks of domestic and foreign operations, including excessive operation costs, labor shortages, higher tax rates, and our joint venture prospects; the risk that we may not continue our share repurchase program; the risks of cyclical downturns in the semiconductor industry and of change sin end-market demand or product mix that may affect gross margin or render inventory obsolete; the risk of unfavorable currency exchange rates; the risk that our future outlook or guidance may be incorrect; the risks of global economic weakness or instability in global financial markets; the risks of trade restrictions, tariffs, or embargoes; the risk of breaches of our information technology systems; and other information, including the "Risk Factors" detailed from time to time in Diodes' filings with the United States Securities and Exchange Commission.

This presentation also contains non-GAAP measures. See the Company's press release on November 7, 2017 titled, "Diodes Incorporated Reports Third Quarter 2017 Financial Results" for detailed information related to the Company's non-GAAP measures and a reconciliation of GAAP net income to non-GAAP net income.



Dr. Keh-Shew Lu

President and CEO

Diodes Incorporated Since 2005

Texas Instruments 27 years

Experience:

- Senior Vice President of TI Worldwide Analog and Logic
- President of Texas Instruments Asia

Education:

- Master's Degree and Doctorate in Electrical Engineering Texas Tech University
- Bachelor's Degree in Engineering National Cheng Kung University - Taiwan





Laura Mehrl (冯蓉媞)

Company spokesperson,
Director of Investor Relations

Since May 2010

Experience:

- Director of Investor Relations, Diodes Incorporated, Plano, Texas
- Senior Business Development Manager, STMicroelectronics, Carrollton, Texas
- Sales Director for Analog Devices Inc., Shanghai, China
- Product Marketing Manager at Texas Instruments (TI), Dallas, Texas
- Senior Engineer at Lattice Semiconductor Inc., Hillsboro, Oregon
- Wafer fab design engineer and product engineer at TI, Lubbock, Texas

Education:

- MBA with concentration in International Marketing, Texas Tech University
- BS in Electrical and Computer Engineering, University of Iowa



A leading global manufacturer and supplier of high-quality application specific, standard products within the broad discrete, logic and analog markets, serving the consumer, computing, communications, Industrial and automotive segments.





Global Operations and World-class Manufacturing & Packaging

- NASDAQ: DIOD
- Founded in 1959
- Headquartered in Plano, TX; 21 locations globally
- Manufacturing in UK, Germany, China and Taiwan
- ISO9001:2008 Certified / TS16949:2009 Certified ISO14001 Certified
- Key acquisitions:
 - Anachip Corporation, Taiwan Jan. 2006
 - Advanced Power Devices Nov. 2006
 - Zetex June 2008
 - Power Analog Microelectronics (PAM) Oct. 2012
 - BCD Semiconductor Mar. 2013
 - Pericom Semiconductor Nov. 2015
- Over 7,692 employees worldwide
- 26 consecutive years of profitability

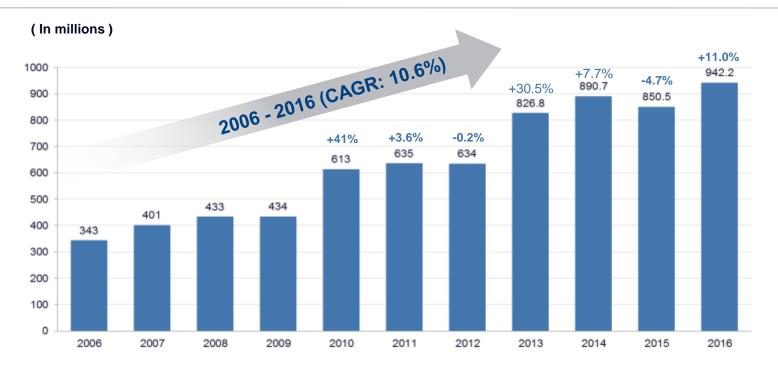








2016: Record Annual Revenue & Gross Profit



Anticipates Achieving Goal of \$1 Billion in Annual Revenue in Fiscal 2017



Vision: Create Shareholder Value

Goal 1: \$1B Market Cap

Goal 2: \$1B Annual Revenue

Goal 3: \$1B Gross Profit

Goal 4: \$1B Profit Before Tax

2010

2017*

\$1B Gross Profit

\$1B PBT

\$1B Revenue

\$1B Market Cap



^{* 4}Q guidance midpoint: \$270M

Mission:

Profitability growth to expand shareholder value

Strategy:

Grow revenue to \$2.5B at 40% GPM

Goal:

\$1B Gross Profit by 2025





	2017		2025	
NR	\$1B	\rightarrow	2.5B	
GM%	35%	\rightarrow	40%	
GP	\$350M →		\$1B	
R&D%	5%	\rightarrow	7%	
SG&A%	15%	\rightarrow	13%	
PFO	15%	→	20%	





Automotive

Adaptive lighting, body controls and connected driving

Industrial

Embedded systems and precision controls

Consumer

IoT: Wearables, home automation, and smart infrastructure

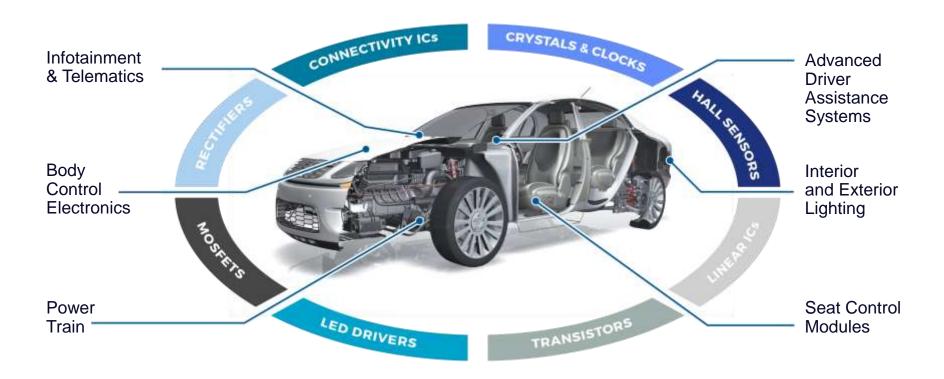
Communication

Smart phones: advanced protocols and charging

Computing

Cloud computing: server, storage and data centers







- Increasing IC content in embedded systems
- Switching and signal path for networked systems and automation
- Signal conditioning and timing for precision controls
- Motor controls, sensors and power management for smart meters





Smart Infrastructure



Consumer & Home



Asset Tracking









Retail



Enterprise



Security & Surveillance

- Ultra low power for battery operated, loT applications
- Serial protocols and switching for networked systems
- Noise immunity for integrated cameras and sensors



- Focus on signal integrity and higher data rates
- Proliferation of USB Type-CTM connectivity and power delivery
- Power regulation and protection for new features
- Advanced power solutions for quick charge protocols



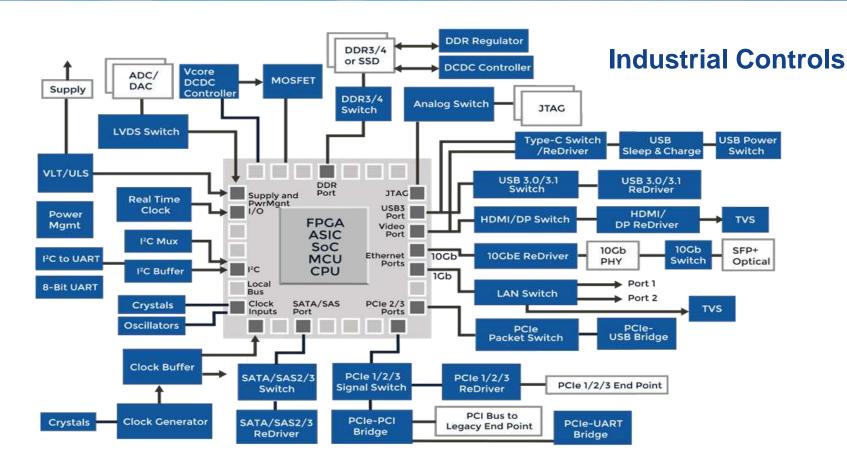




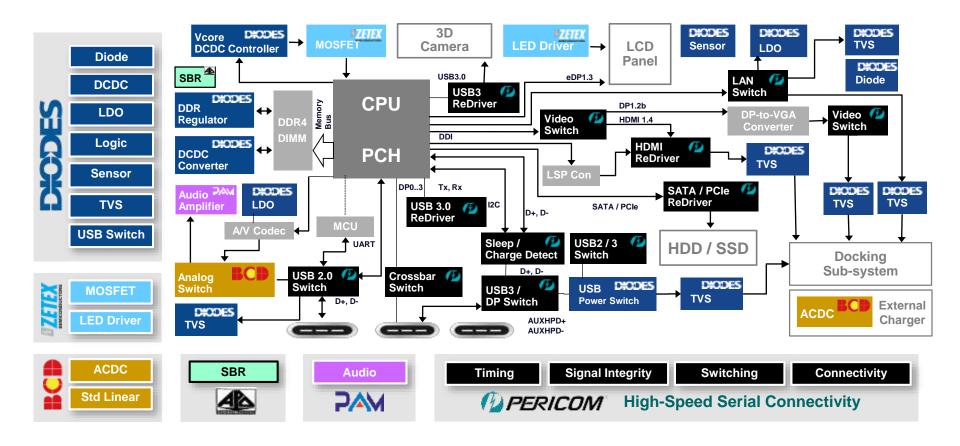
- ReDriver support for USB connectivity
- Wide range of signal protocols: PCle, SAS, SATA, GbE, USB
- MUX products for high capacity solid state storage
- Crystal oscillators for increasing clocking speeds



System Focus









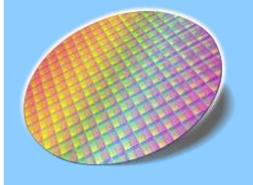
Technology Focus

Products

- 20Gbps ReDrivers and Switches
- Automotive Packet Switch for Telematics / ADAS
- Complete USB Type-C™ Signal Switching
- High speed clocking for cloud computing
- Ultra low power and low noise LDOs for IoT
- Low Cj TVS for signal integrity
- Lowest r_{DS(on)} LDMOS for battery efficiency

Wafer Fab

- High performance 8" MOSFET trench technology
- Advanced Epi bipolar transistor processes
- Proprietary rectifier technology
- Rugged automotive grade NMOS and PMOS



Assembly/Test

- Compact QFN and DFN
- Power density PowerDI
- Chip scale packaging and plating capability
- Extensive multi-chip package technology





Focus: Miniaturization and Power Efficiency

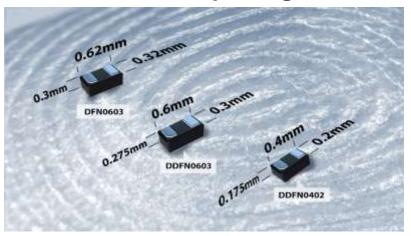


Current 2018 +

Miniaturization and Multi-Chip Packaging

Miniaturization DDFN0402

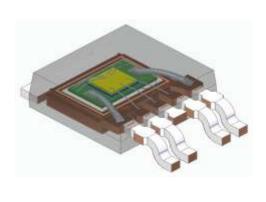
the smallest discrete semiconductor package



Multi-Chip Packaging

Dual-Flat No-Lead (DFN) DDFN (Encapsulated CSP)Chip-Scale Package (CSP)

HS IntelliFET: ZXMS3001







Packaging

- Shanghai-based packaging with capacity over 34 billion units
- Chengdu facility has potential capacity 3X of Shanghai
- Additional facilities in Neuhaus, Germany and Chengdu, China



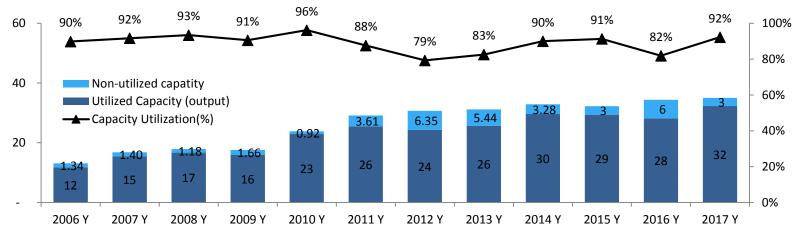
Wafer Fabs

- Two fabs in Shanghai
 (6" and 8"), one discrete fab
 in Oldham, UK (6")
- Bipolar, BiCMOS, CMOS and BCD process
- Strong engineering capabilities



Economies of Scale: Capacity & Loading Percentage in SAT

*CapEx Model = 5% - 9% of Revenue



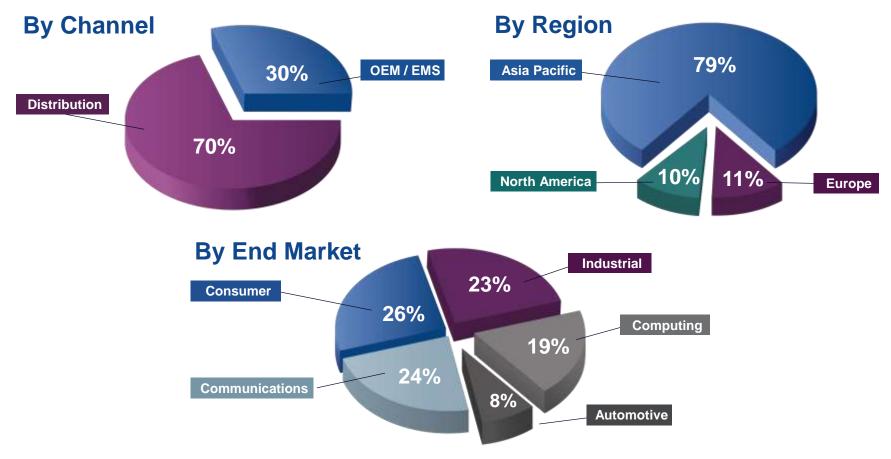


FINANCIAL OVERVIEW



In millions, except per share	3Q16	2Q17	3Q17	YoY
Revenue	\$250.7	\$264.2	\$285.2	13.8%
Gross Profit (GAAP)	\$80.6	\$90.1	\$96.3	20.5%
Gross Profit Margin % (GAAP)	32.2%	34.1%	34.7%	+60bp
Net Income (GAAP)	\$10.6	\$13.2	\$14.5	
Net Income (non-GAAP)	\$15.1	\$17.8	\$22.6	
EPS (non-GAAP)	\$0.30	\$0.36	\$0.45	50.0%
Cash Flow from Operations	\$33.1	\$19.8	\$40.9	
EBITDA (non-GAAP)	\$42.0	\$45.8	\$46.8	10.0%







In millions	Dec 31, 2015	Dec 31, 2016	SEPT 30, 2017
Cash	\$218	\$248	\$201
Short-term Investments	\$65	\$30	\$13
Inventory	\$203	\$193	\$211
Current Assets	\$751	\$733	\$701
Total Assets	\$1599	\$1531	\$1541
Long-term Debt	\$454	\$413	\$326
Total Liabilities	\$756	\$708	\$646
Total Equity	\$843	\$820	\$895



*Guidance as provided on November 7, 2017

- Revenue to range between \$260 million and \$280 million, or down 8.9% to 1.8% sequentially or up 12.0 to 20.6 percent year-over-year
 - Anticipates achieving goal of \$1 billion in annual revenue in 2017**
- GAAP gross margin to be 34.9% +/- 1%, and non-GAAP gross margin to be 35.0% +/- 1%
- Non-GAAP operating expenses to be 23.5% of revenue, +/- 1%
- Interest expense to be approximately \$3.0 million, and income tax rate is expected to be 29.0%, +/- 3%
- Shares used to calculate diluted EPS approximately 50.8 million
- Purchase accounting adjustments for Pericom and previous acquisitions of \$3.9 million after tax and KFAB closure costs of \$3.8 million are not included in non-GAAP estimates



- Vision: Expand shareholder value
- Mission: Profitability growth to drive 20% PFO
- Next Strategic Goal: \$1B gross profit
- Strategy: \$2.5B revenue at 40% GPM
- Tactics:
 - Increased focus on Automotive and Industrial markets
 - Investment for technology leadership in target products, fab processes, and advanced packaging
 - Systems solutions to drive business expansion



