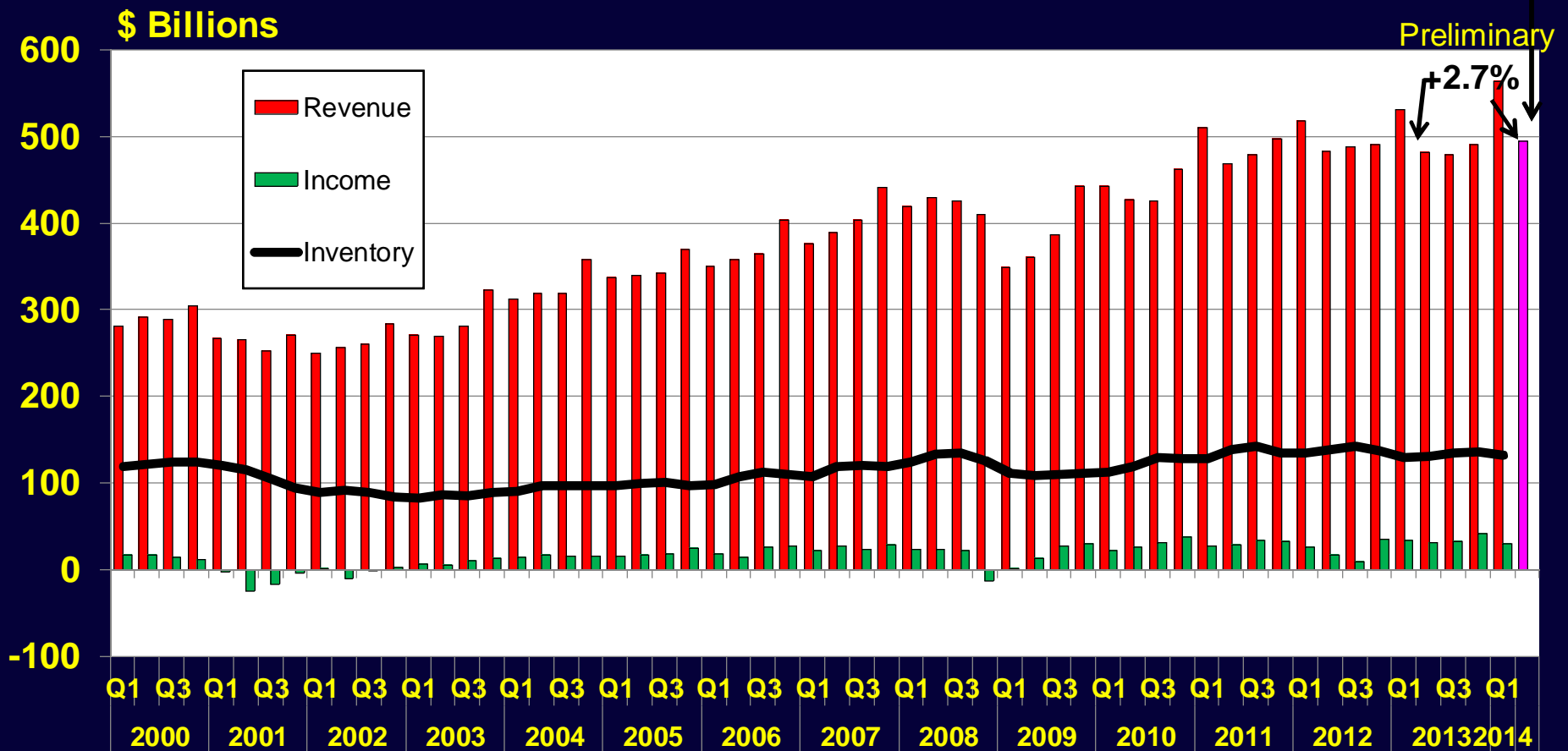


Chart 1

# Electronic Equipment Suppliers Composite of 141 Public Companies

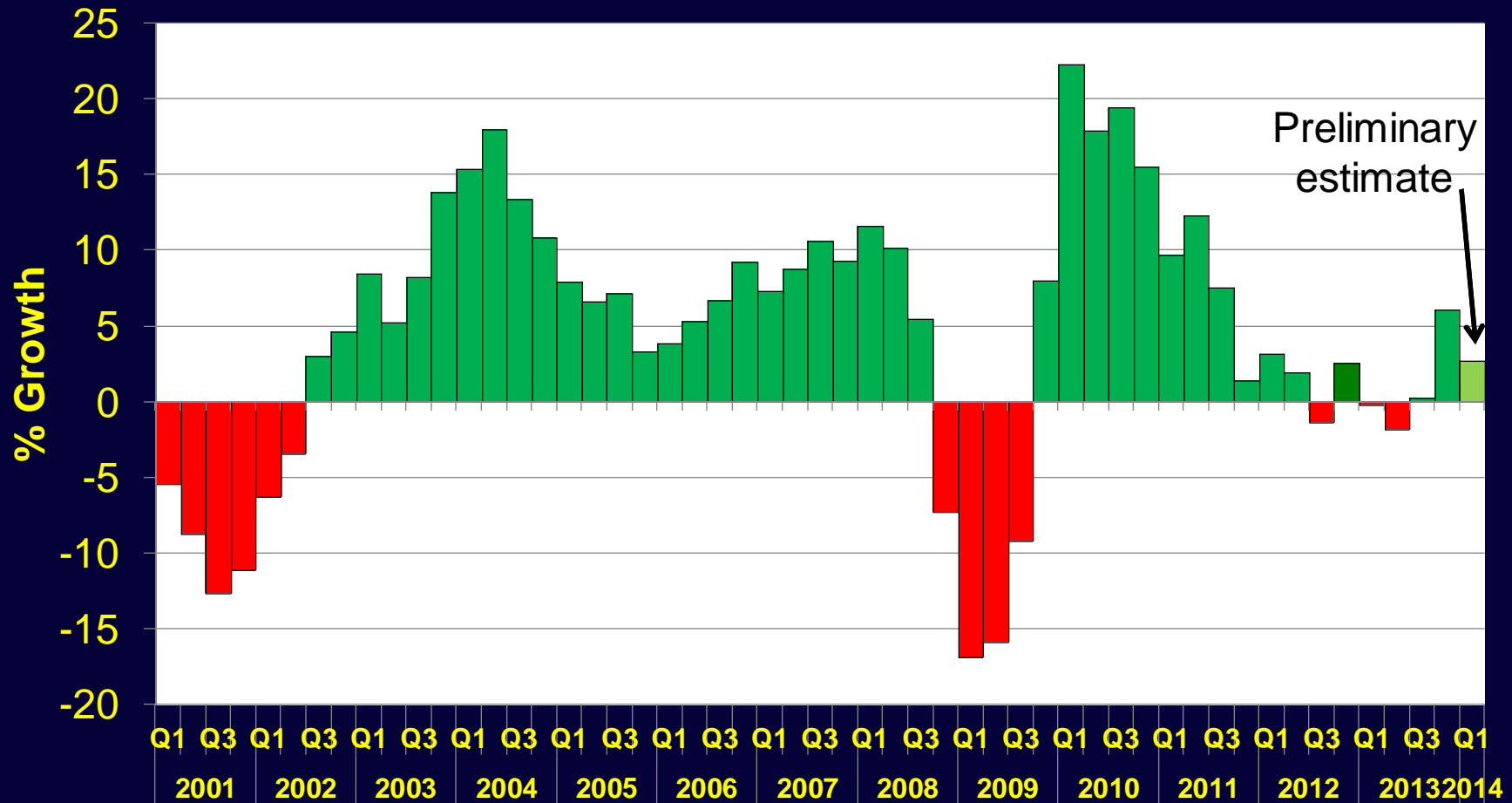
## Revenue, Net Income & Inventory



Computer 13, Internet 9, Storage 10, Communication 20, SEMI 20, Medical 23, Instruments 11, Military 6, Business & Office 3, Consumer 13, Automotive 11

Chart 2

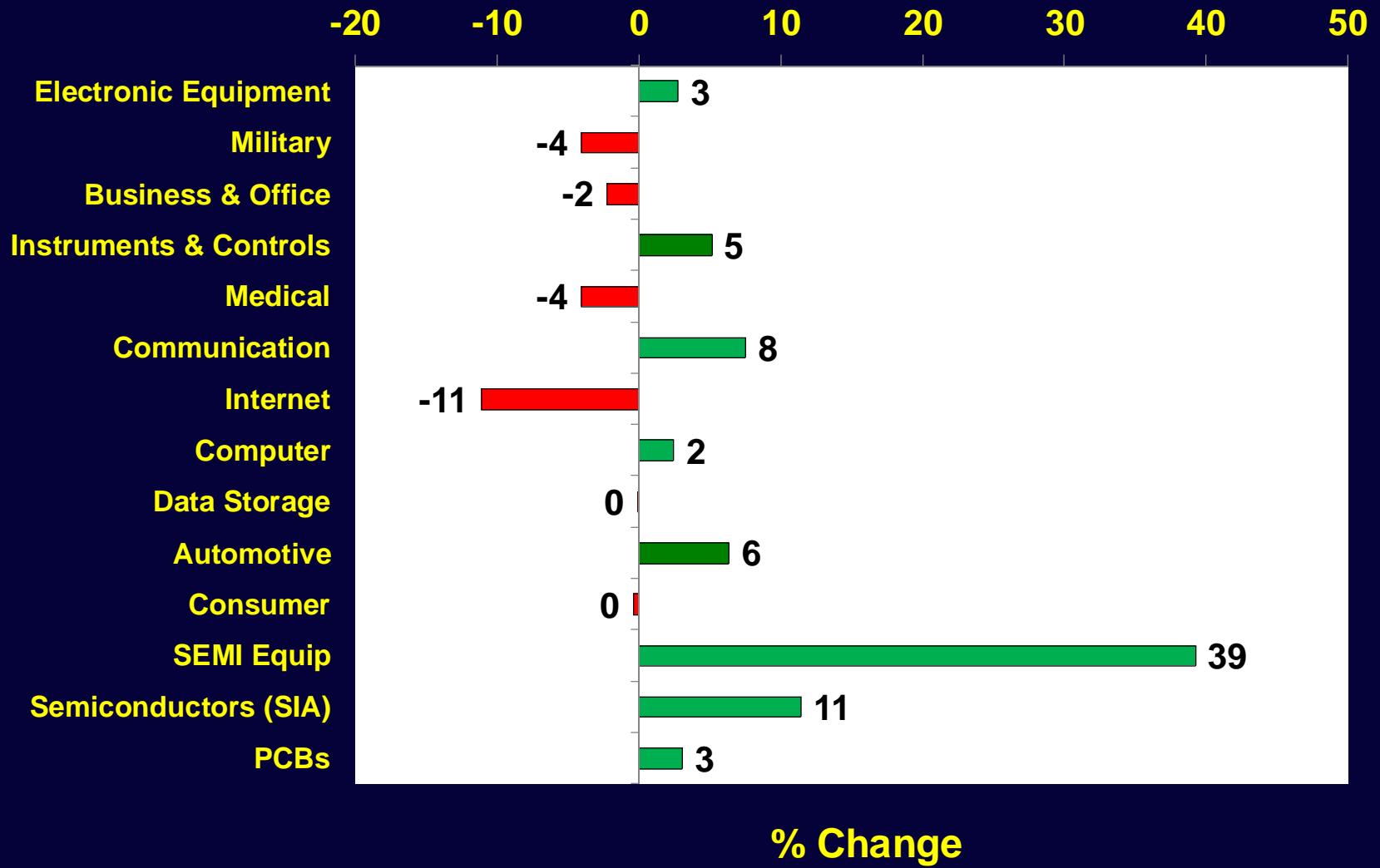
# Electronic Equipment Suppliers Composite of 141 Public Companies Quarterly Revenue Growth



Computer 13, Internet 9, Storage 10, Communication 20, SEMI 20, Medical 23, Instruments 11, Military 6, Business & Office 3 + Media tablets from all vendors, Consumer 13, Automotive 11

Chart 3

# Global Electronic Supply Chain Growth 1Q'14 vs. 1Q'13 (preliminary)



US\$ equivalent at fluctuating exchange; based upon industry composites including acquisitions

Chart 4

# U.S. Electronic Equipment Orders & Shipments

Computer, Communications, Measurement & Control and Military

\$ Billions (monthly, seasonally adjusted)

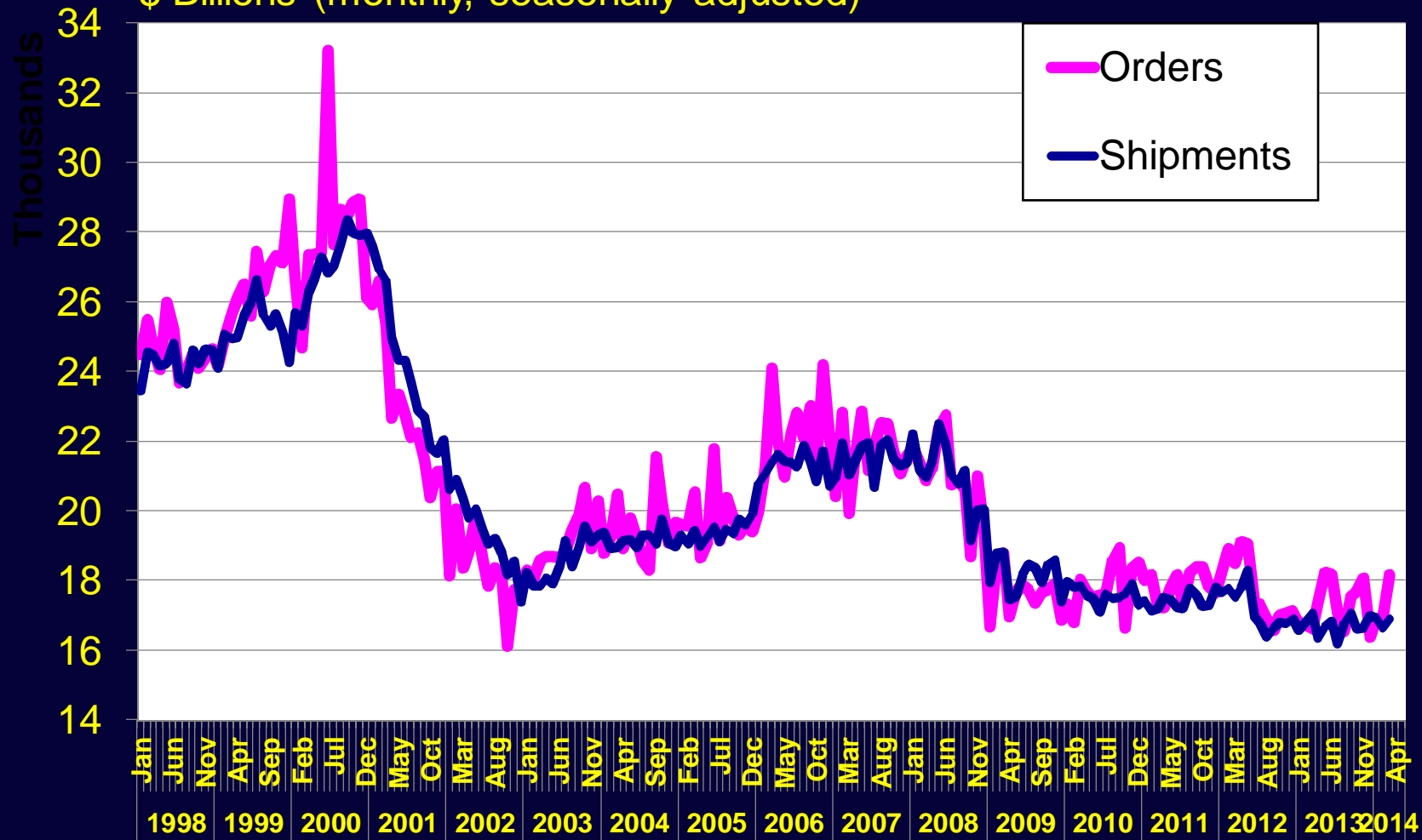


Chart 5

# U.S. Electronic Equipment Orders

## Monthly Data

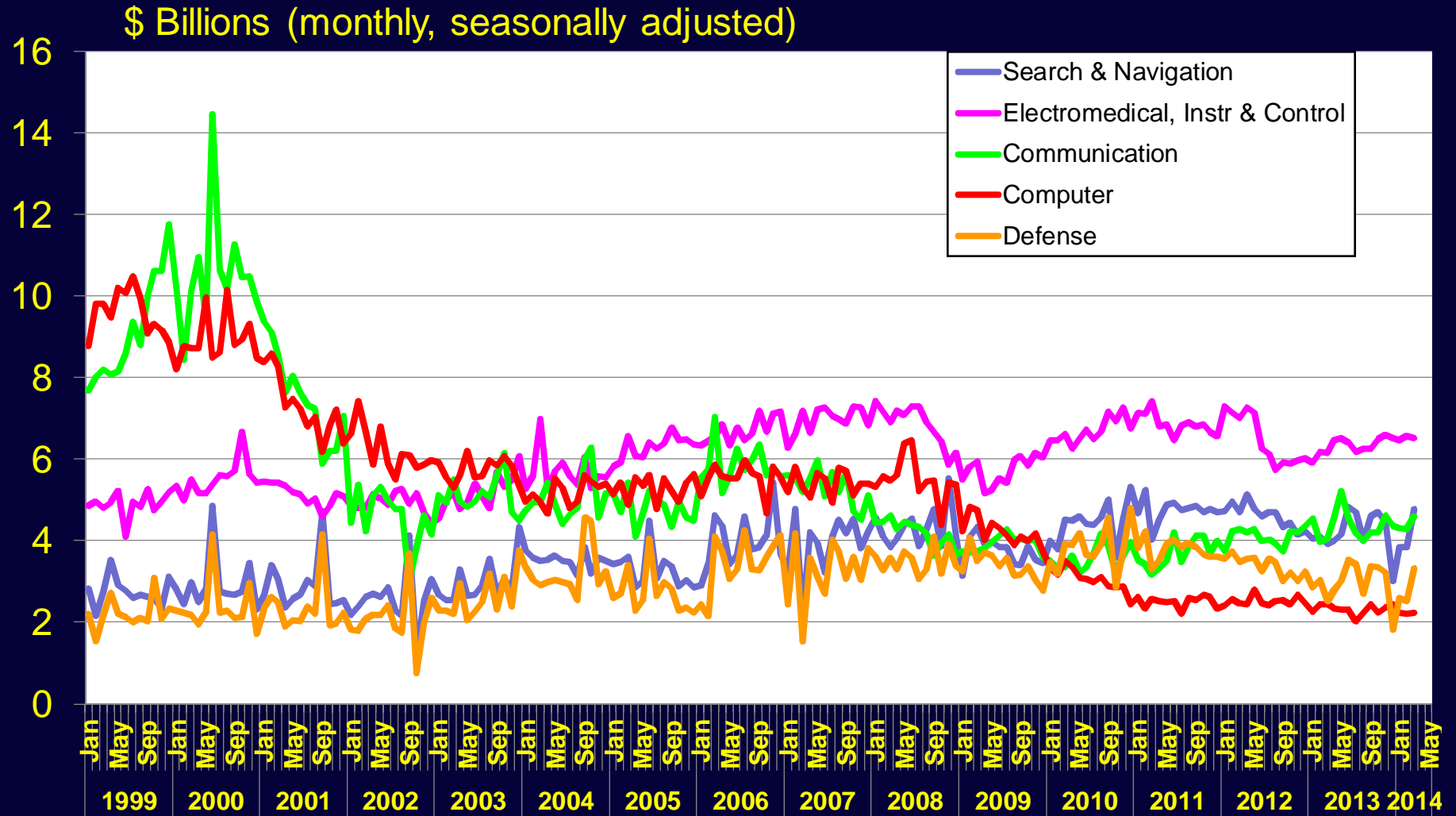


Chart 6

# U.S. Military Electronics Orders & Shipments Defense Communication & Search & Navigation Equipment

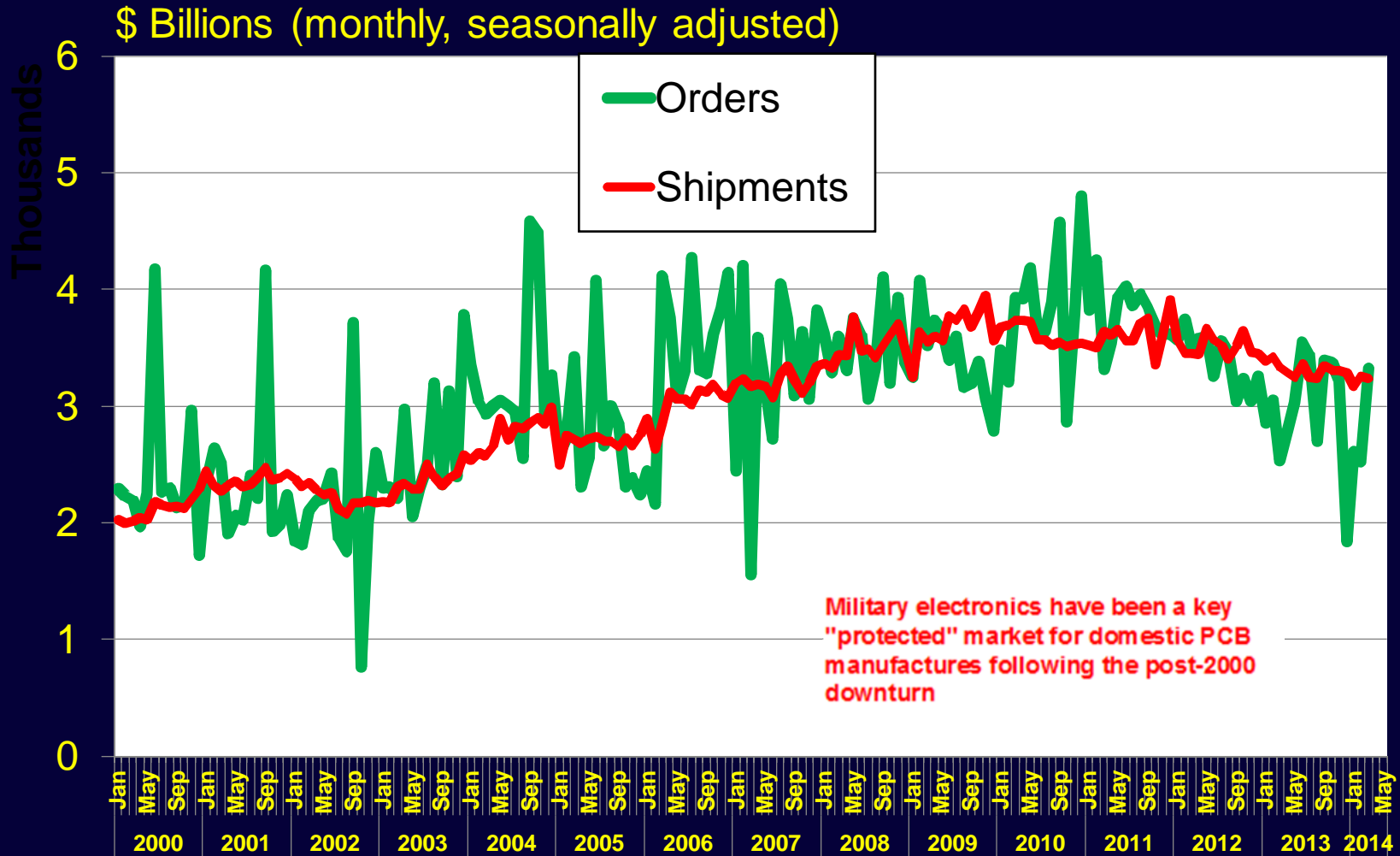


Chart 7

# U.S. Electromedical, Measurement & Control Equipment Orders & Shipments

\$ Billions (monthly, seasonally adjusted)

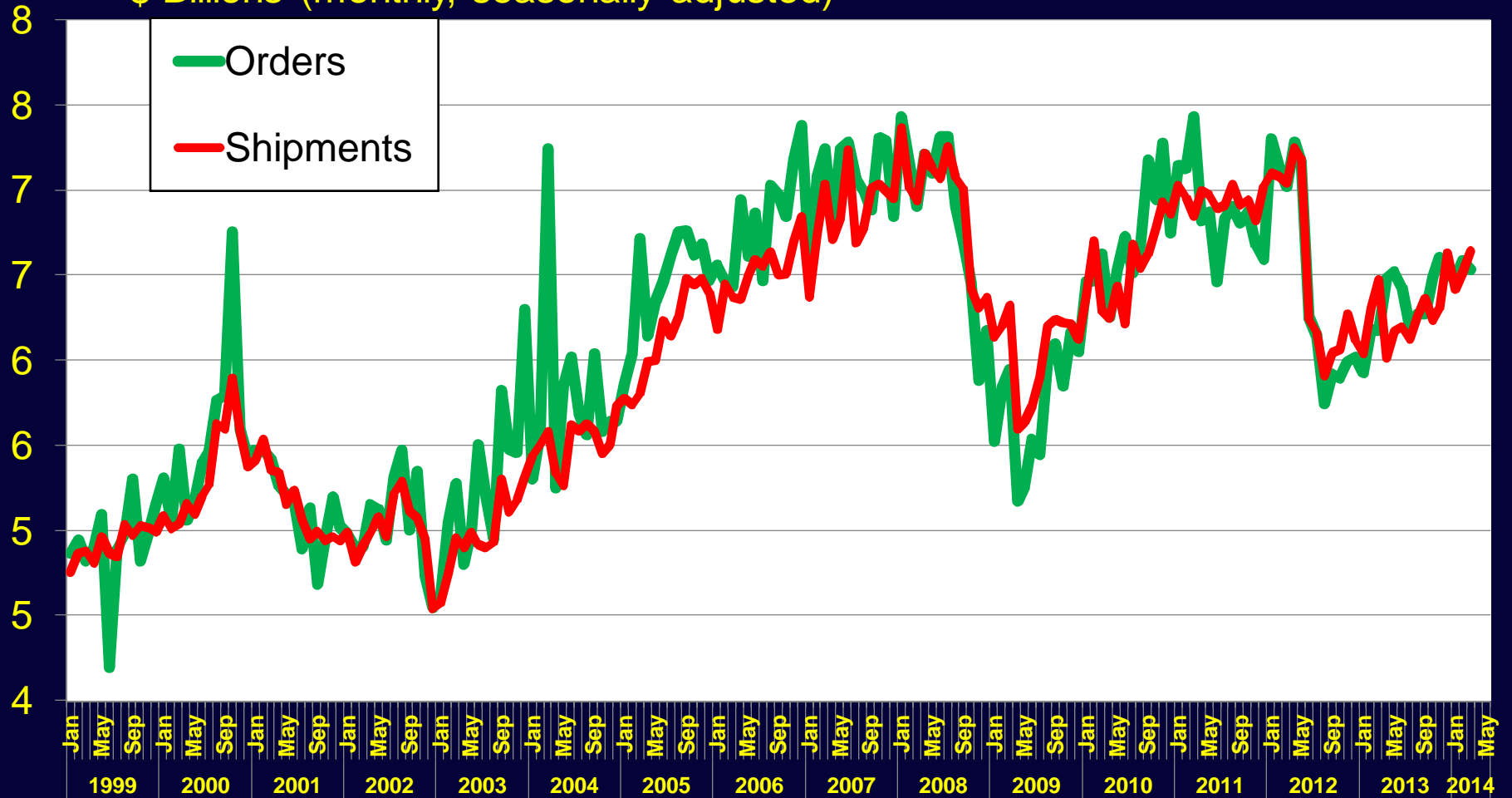


Chart 8

# Rigid & Flexible PCB Book/Bill

## N. America

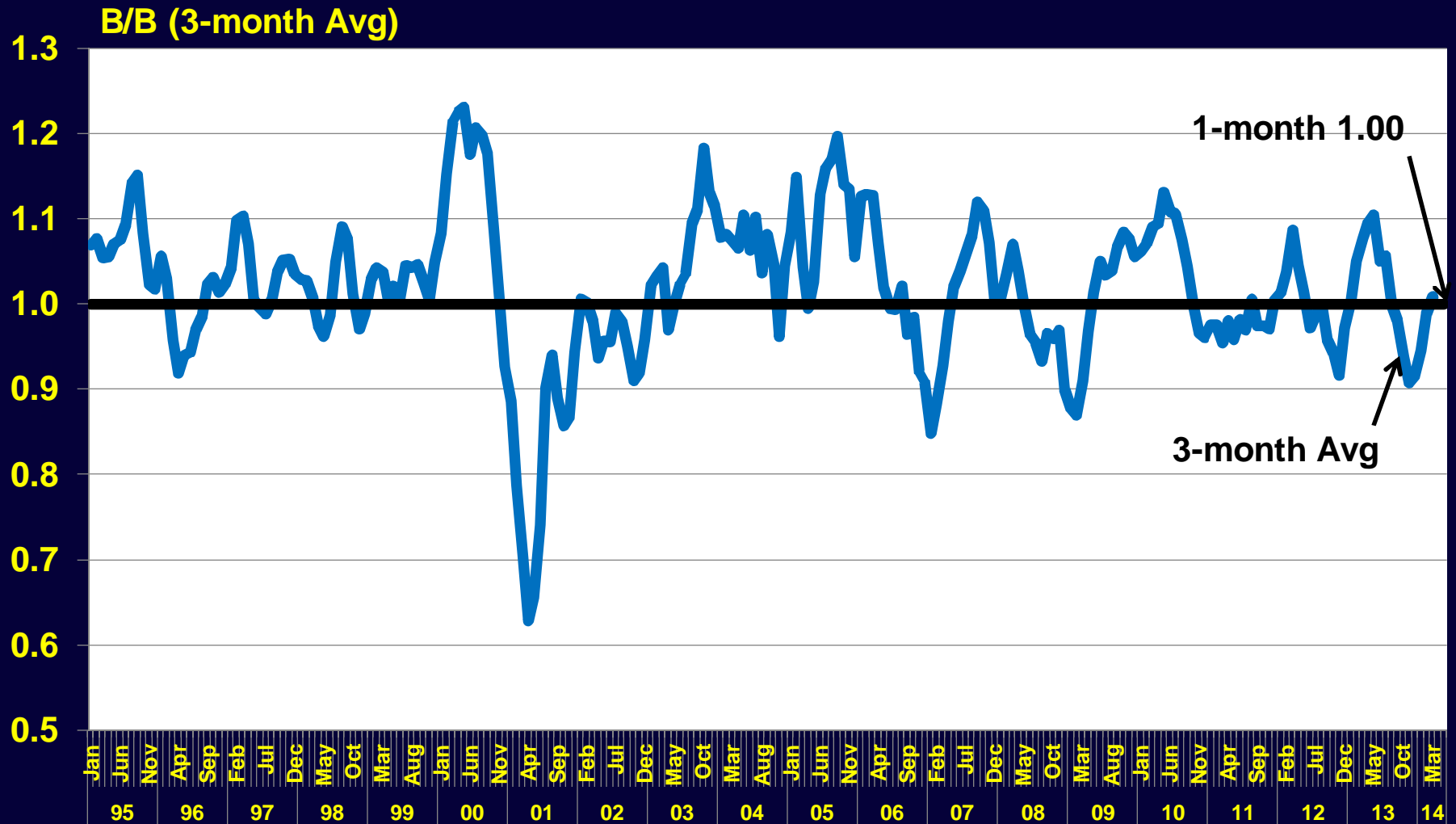
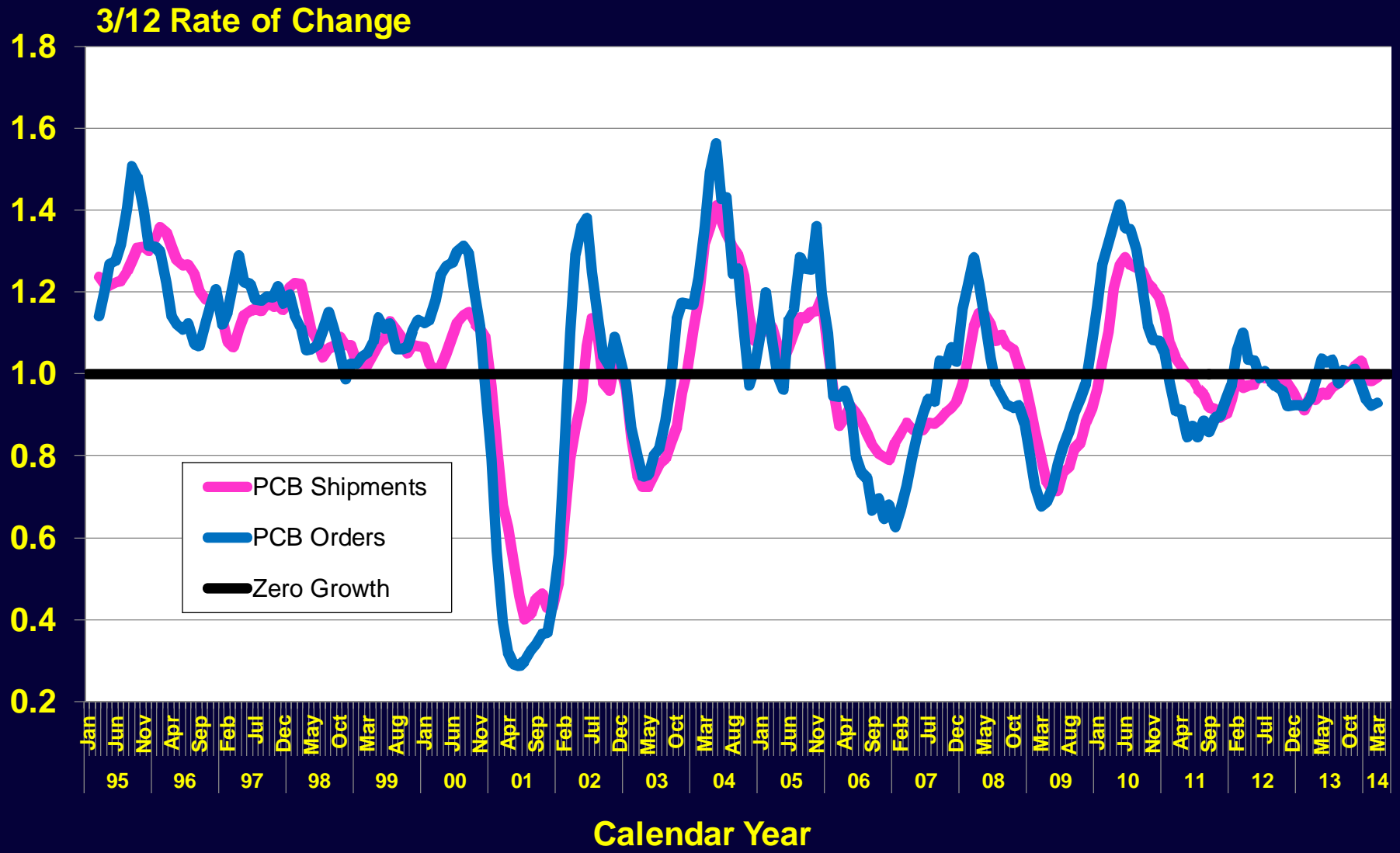




Chart 9

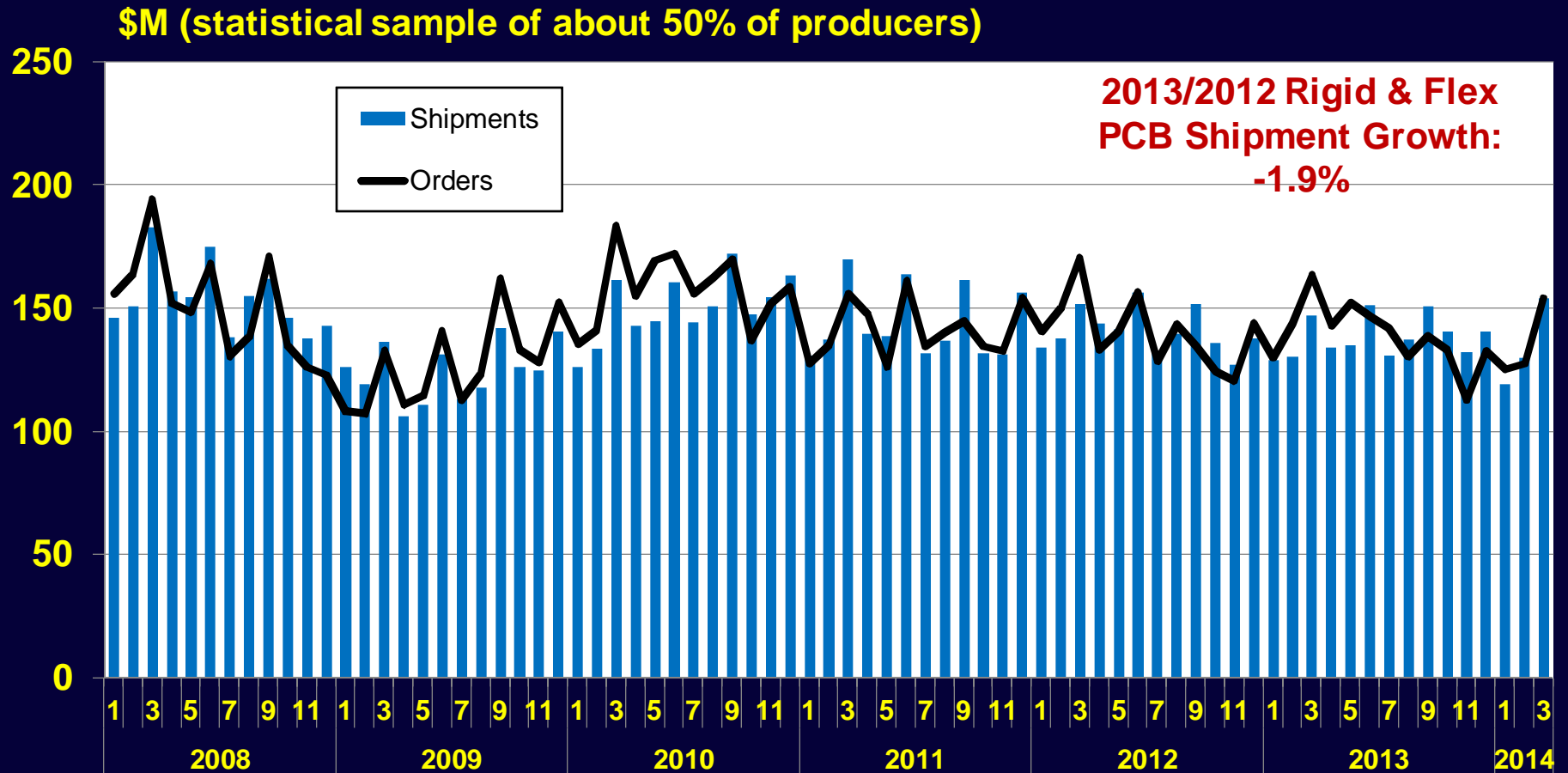
# N. America Rigid & Flexible PCB Orders & Shipments



Data: IPC T/MRC & <http://www.census.gov/indicator/www/m3/>

Chart 10

# N American Rigid & Flexible PCB Shipments & Orders



Note: IPC survey captures "market" not domestic production. About 15% of the above represents imported boards resold by N American PCB producers in survey.

Chart 11

# Present Growth Rates (%)

## U.S. Economy & Electronics Industry

	Latest Month	Annual Growth	3-Month Growth
<b>Electronic Component \$</b>			
Rigid & Flex PCB Orders (N Amer)	3/14	98.5	93.1
Rigid & Flex PCB Shipments (N Amer)	3/14	99.0	99.2
Electronic Component Orders	3/14	98.0	100.1
Electronic Component Shipments	3/14	98.4	101.7
Semiconductor Shipments to N America	3/14	117.4	116.1
<b>U.S. Electronic Equipment Orders \$</b>			
Computer & Related	3/14	91.6	93.3
Communication	3/14	107.3	105.1
Medical, Measurement & Control	3/14	103.6	107.2
Search & Navigation	3/14	95.7	103.3
Defense Capital Goods	3/14	86.3	112.0
Military Electronics	3/14	93.1	100.3
Total Electronic Equipment	3/14	100.7	103.7
<b>U.S. Industrial Production</b>	3/14	103.1	103.4

NOTE: 3 month growth rates compare most recent 3 months to same 3 months one year earlier

Chart 12

## Monthly Semiconductor Shipments \$ Billions (3-month average)

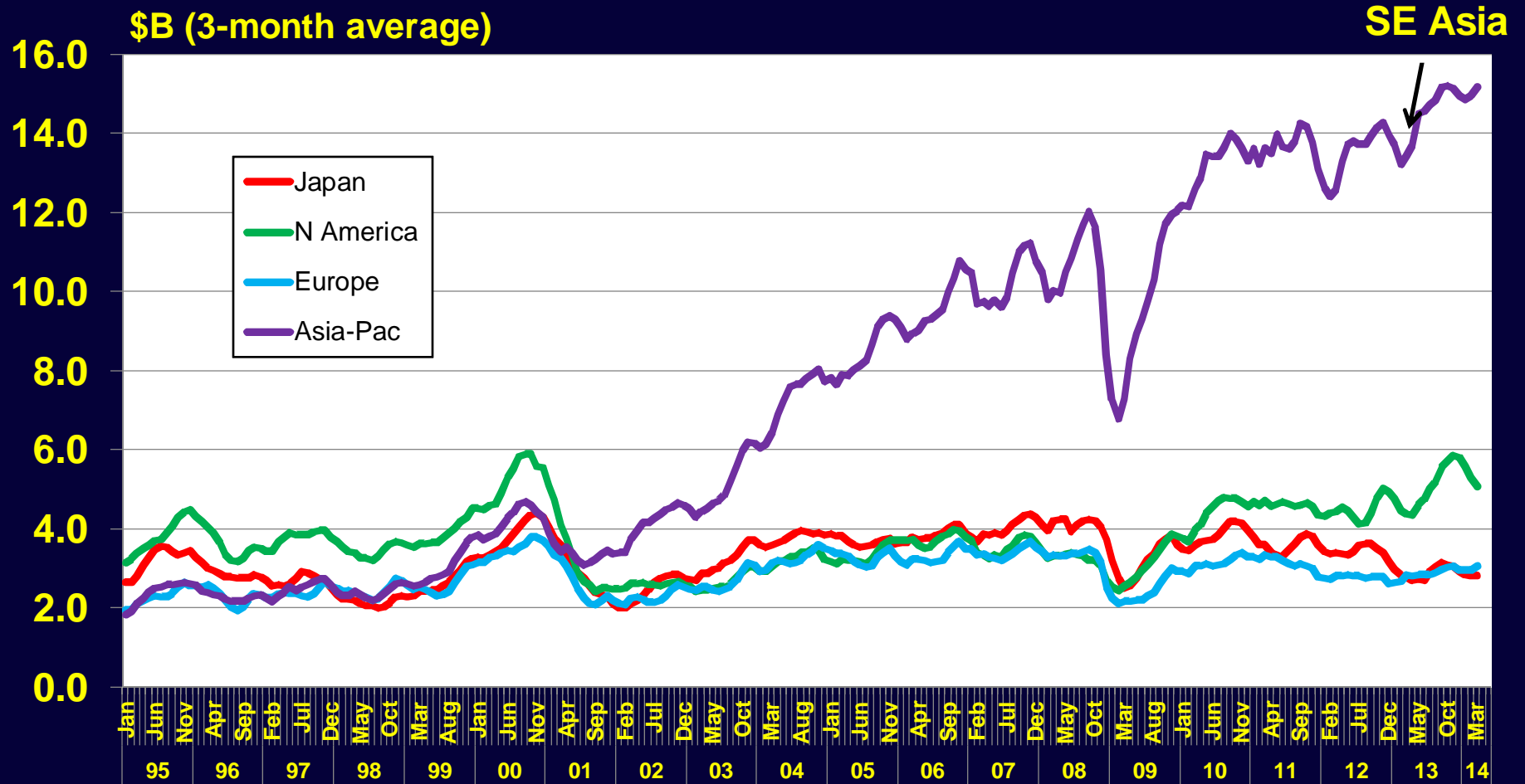
	<u>3/13</u>	<u>3/14</u>	<u>% CH</u>
Americas	4.39	5.09	+16.1%
Europe	2.85	3.07	+ 8.0%
Japan	2.80	2.81	+ 0.4%
Asia Pacific	13.45	15.18	+12.9%
Total	23.48	26.16	+11.4%

SIA [www.sia-online.org/](http://www.sia-online.org/)

Chart 13

# Total Semiconductor Shipments to an Area

## Monthly Shipments - Reporting Firms



SIA website: [www.sia-online.org/](http://www.sia-online.org/)

Chart 14

# Total Semiconductor Shipments to an Area

## Monthly Shipments - Reporting Firms

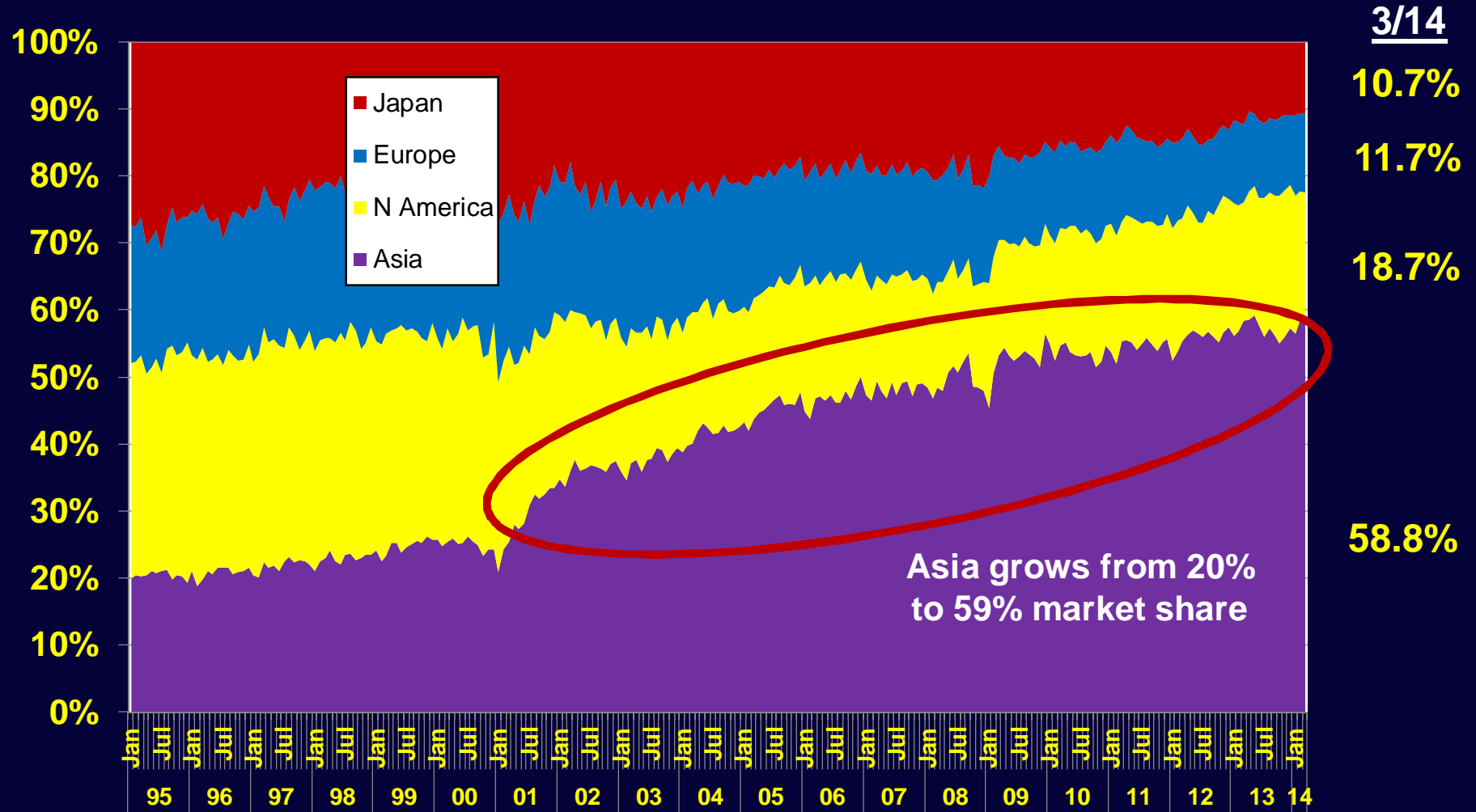
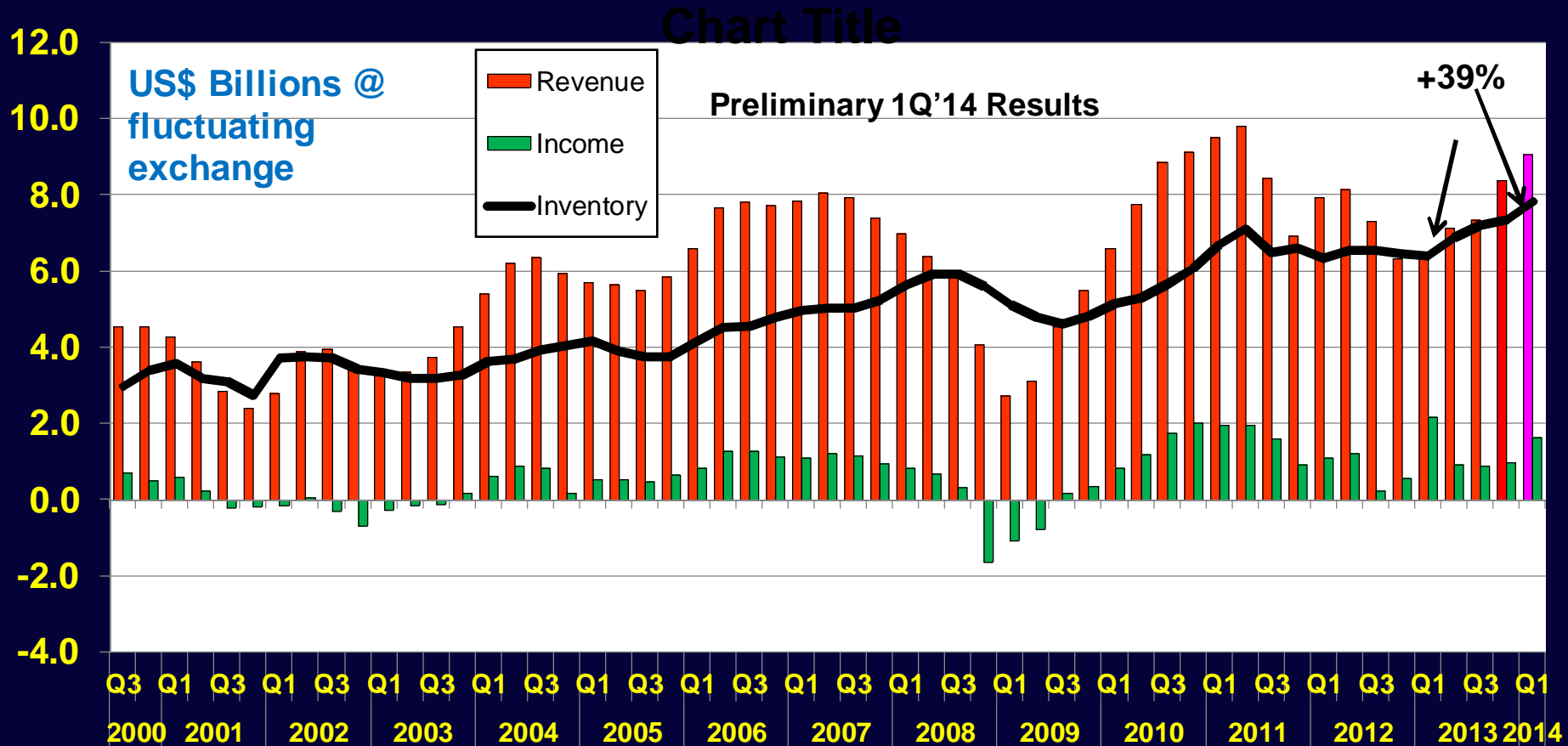




Chart 16 **Semiconductor Fab, Test & Measurement**  
**Composite of 20 Public Companies**  
**Revenue, Net Income & Inventory**

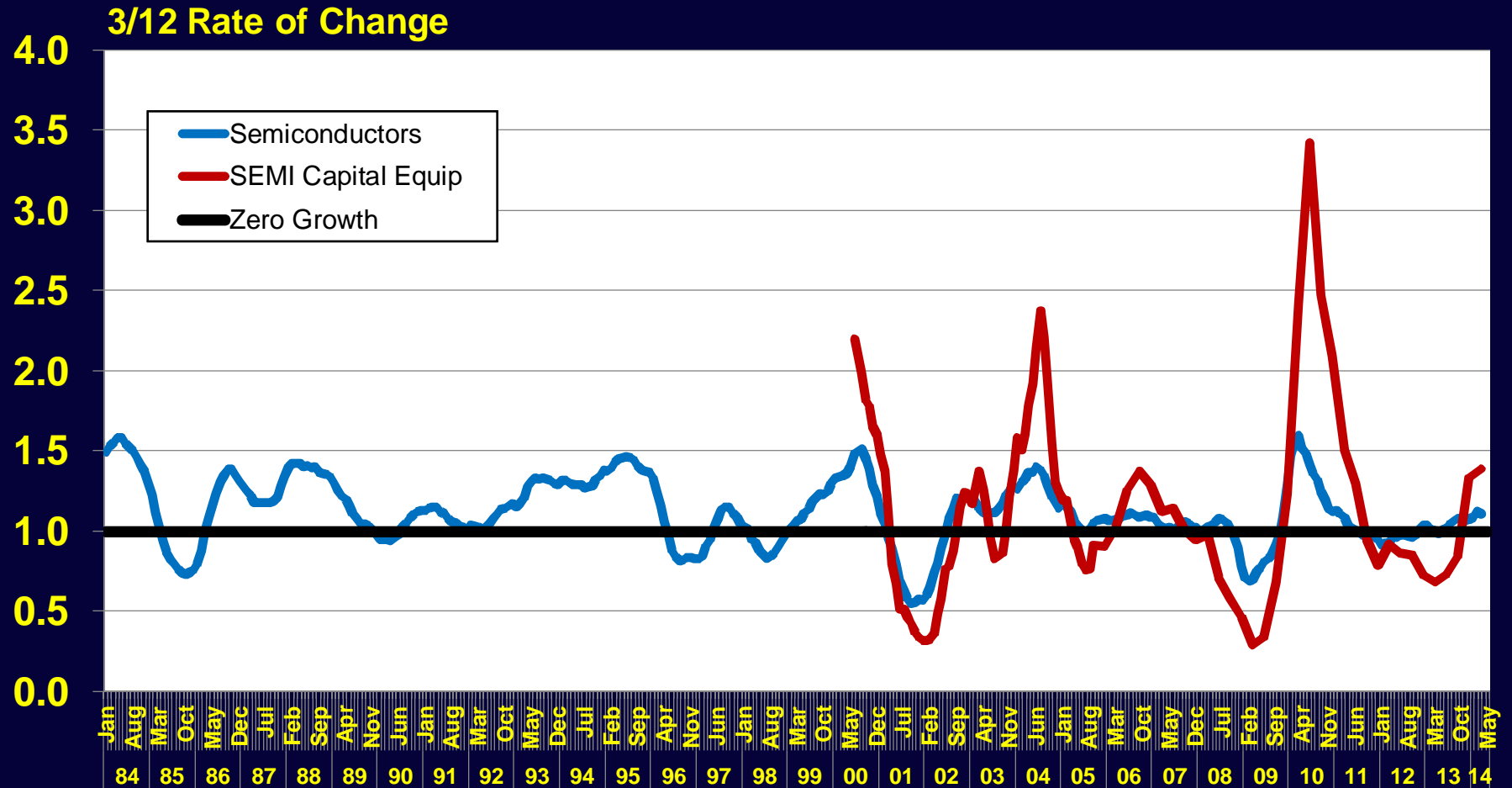


Applied Materials, ASM Intl, ASML, Advantest, KLA Tencor, Novellus, Hitachi Hi Tech, Lam Research, BTU, LTX-Credence, FEI, FSI, Intervac, Kulicke & Soffa, MKS Instruments, Rudolph, Teradyne, Ultratech Stepper, Varian semiconductor, Veeco



Chart 17

# Global Semiconductor & Semiconductor Capital Equipment 3-Month Shipment Growth Rates on \$ Basis

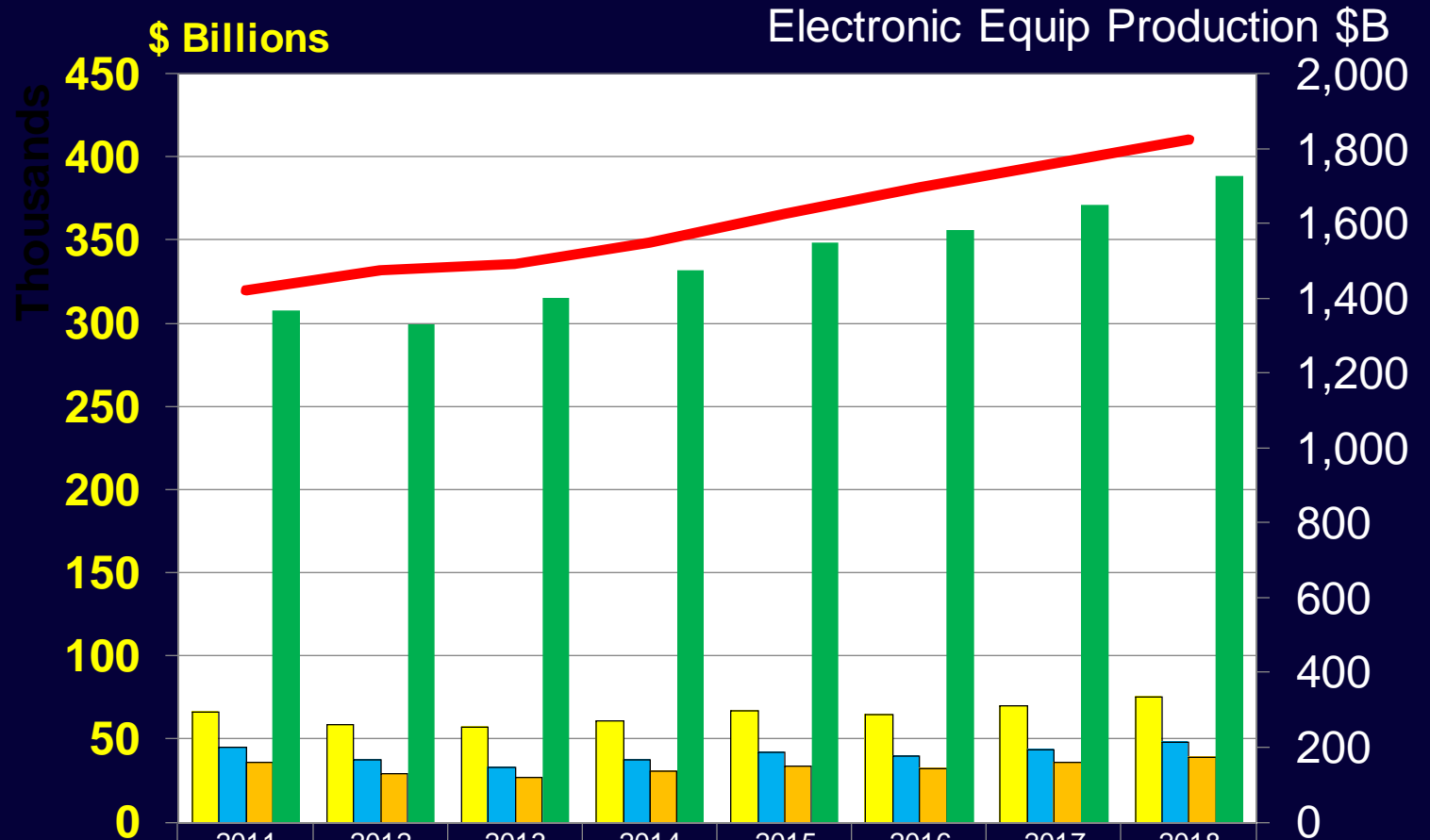


Sources: SIA; Semiconductor Equipment Association of Japan, [www.semi.org](http://www.semi.org), Custer Consulting Group SEMI equipment sector composite growth

Chart 18

# World Semiconductor Manufacturing Equipment Spending

20130922

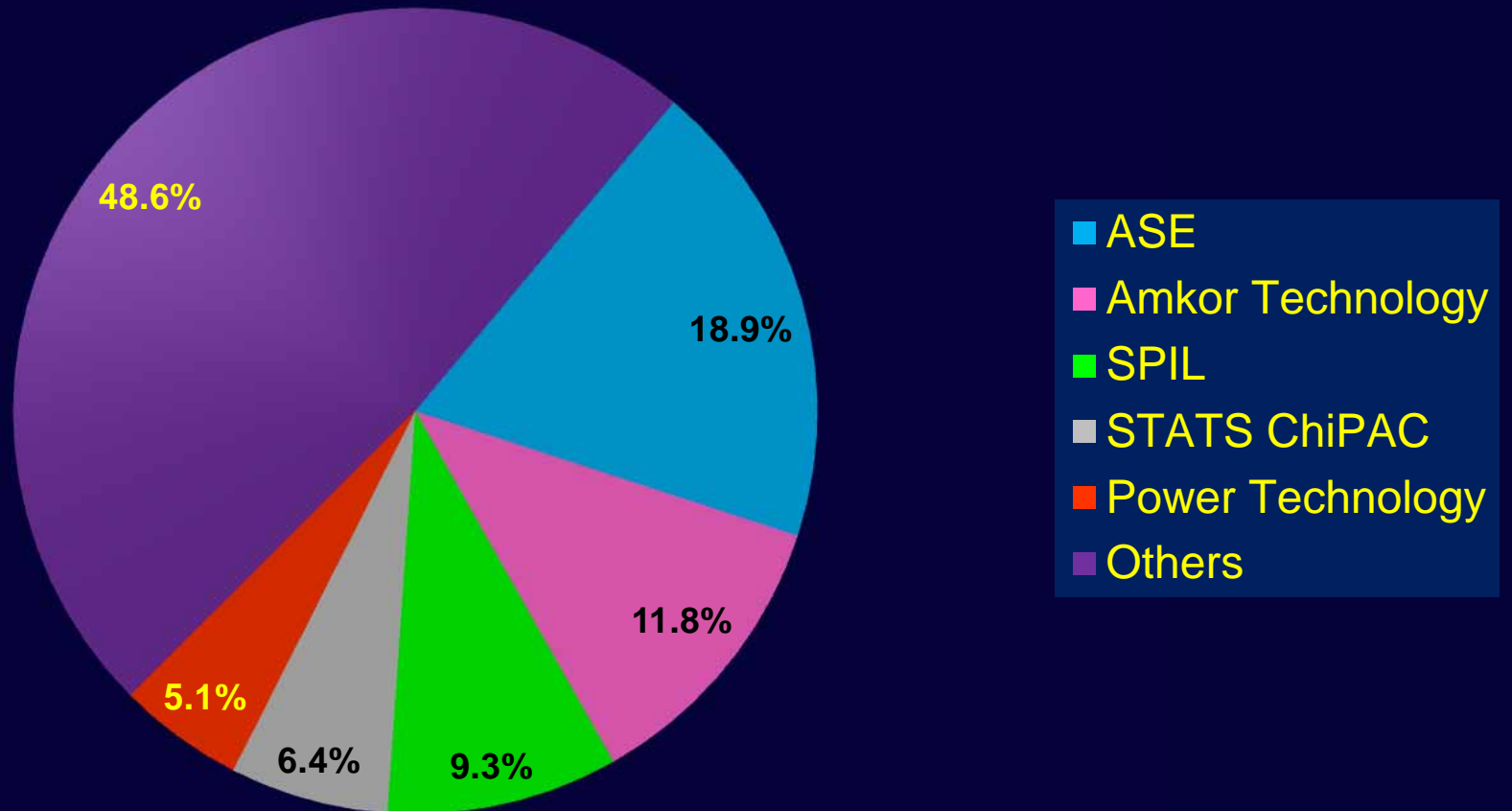


	2011	2012	2013	2014	2015	2016	2017	2018
Semiconductor Capital Spending	66,677	58,743	57,784	60,934	67,037	64,836	70,332	75,952
Capital Equipment	45,093	37,833	33,452	37,522	42,327	39,843	44,175	48,036
Wafer Fab Equipment	36,373	29,644	27,278	30,812	34,071	32,572	35,922	39,047
Semiconductor Revenue	307,918	299,912	315,517	332,501	348,565	356,150	371,418	388,576
Electronic Equipment Production	1,423,585	1,474,834	1,492,656	1,551,254	1,628,756	1,696,411	1,762,369	1,825,512

Gartner 4/2014

Chart 19

# Worldwide SATS Companies Sales



2013 Total: US\$25.082 Billion

Gartner 4/14

Chart 20

## Top SEMI Equipment Revenues 2013 vs 2012 (US\$ Millions)

	2012	2013	2013/2012
Applied Materials	5,513	5,460	- 1.0%
ASML	4,888	5,303	+ 8.5%
Lam Research	2,806	3,163	+12.7%
Tokyo Electron	4,219	3,057	-27.5%
KLA-Tencor	2,464	2,163	-12.2%
Dainippon Screen Mfg	1,484	1,224	-17.6%
Hitachi High-Technologies	1,138	862	-24.2%
Advantest	1,423	845	-40.6%
Teradyne	918	822	-10.4%
Nikon Corporation	1,007	636	-36.8%
Others	12,296	10,244	-16.7%
All companies	38,154	33,778	-11.5%

Gartner 4/14