

Chart 1

World Electronic Equipment Production By Type

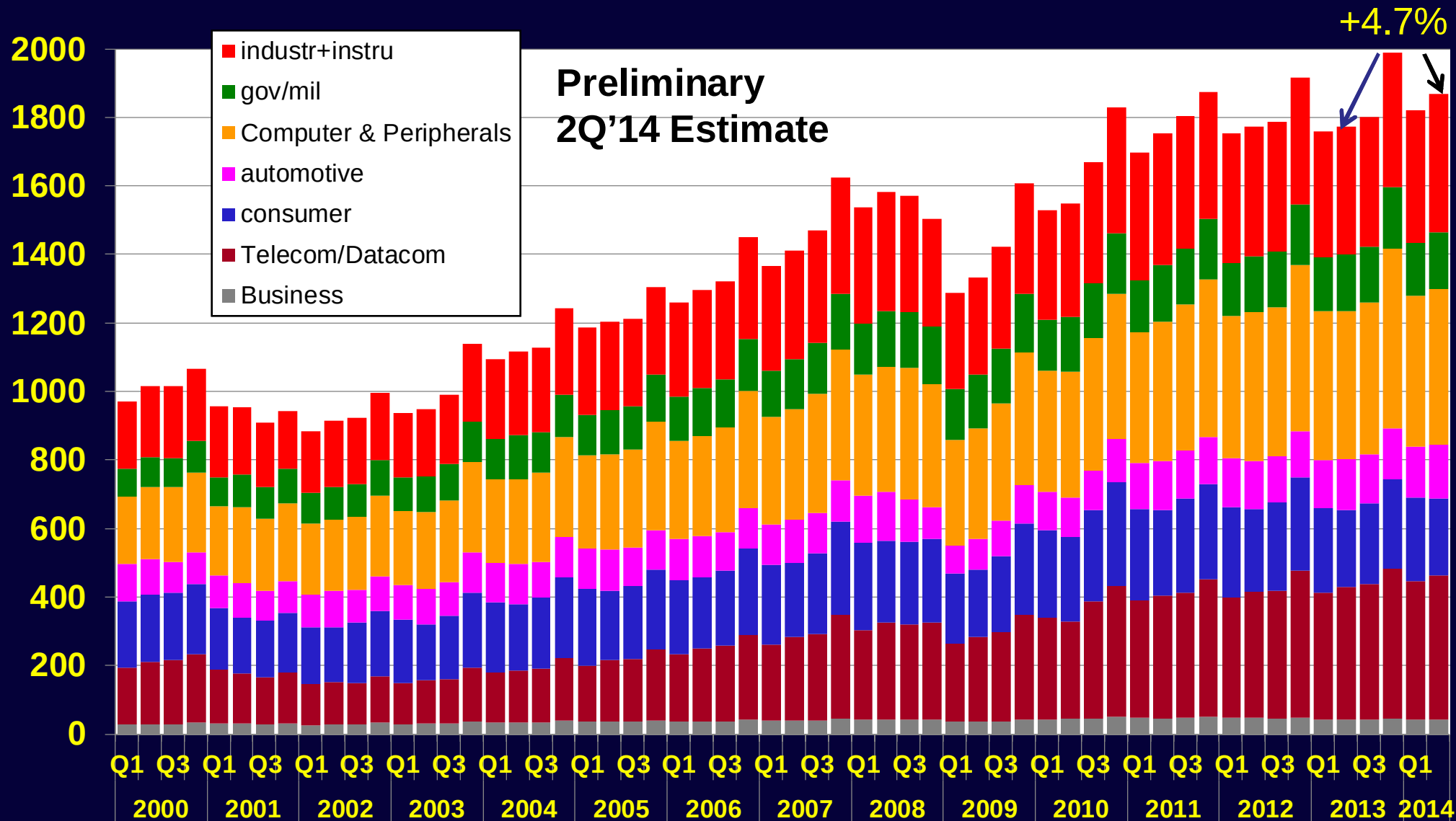
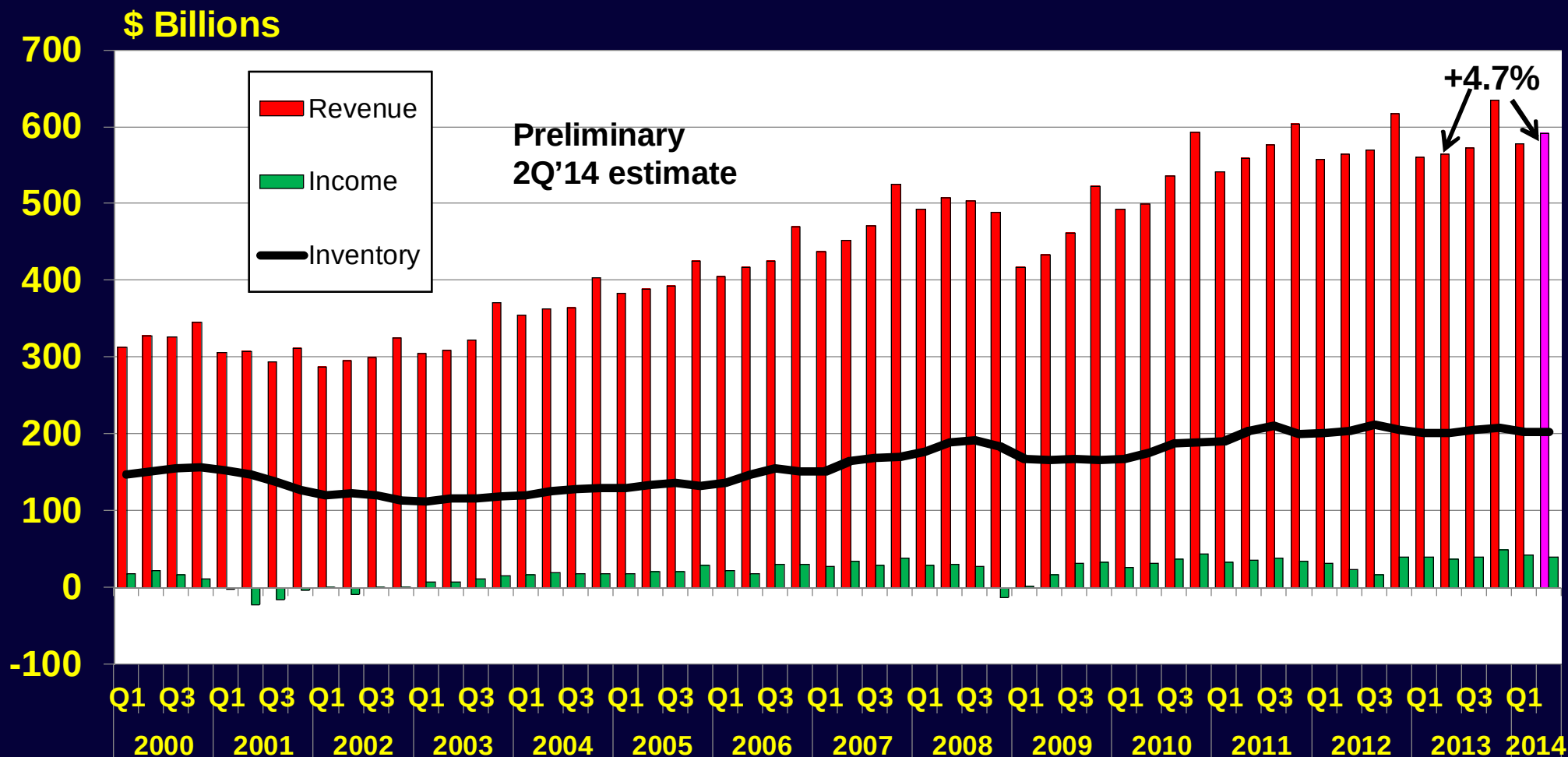


Chart 2

Electronic Equipment Suppliers

Composite of 160 Public Companies

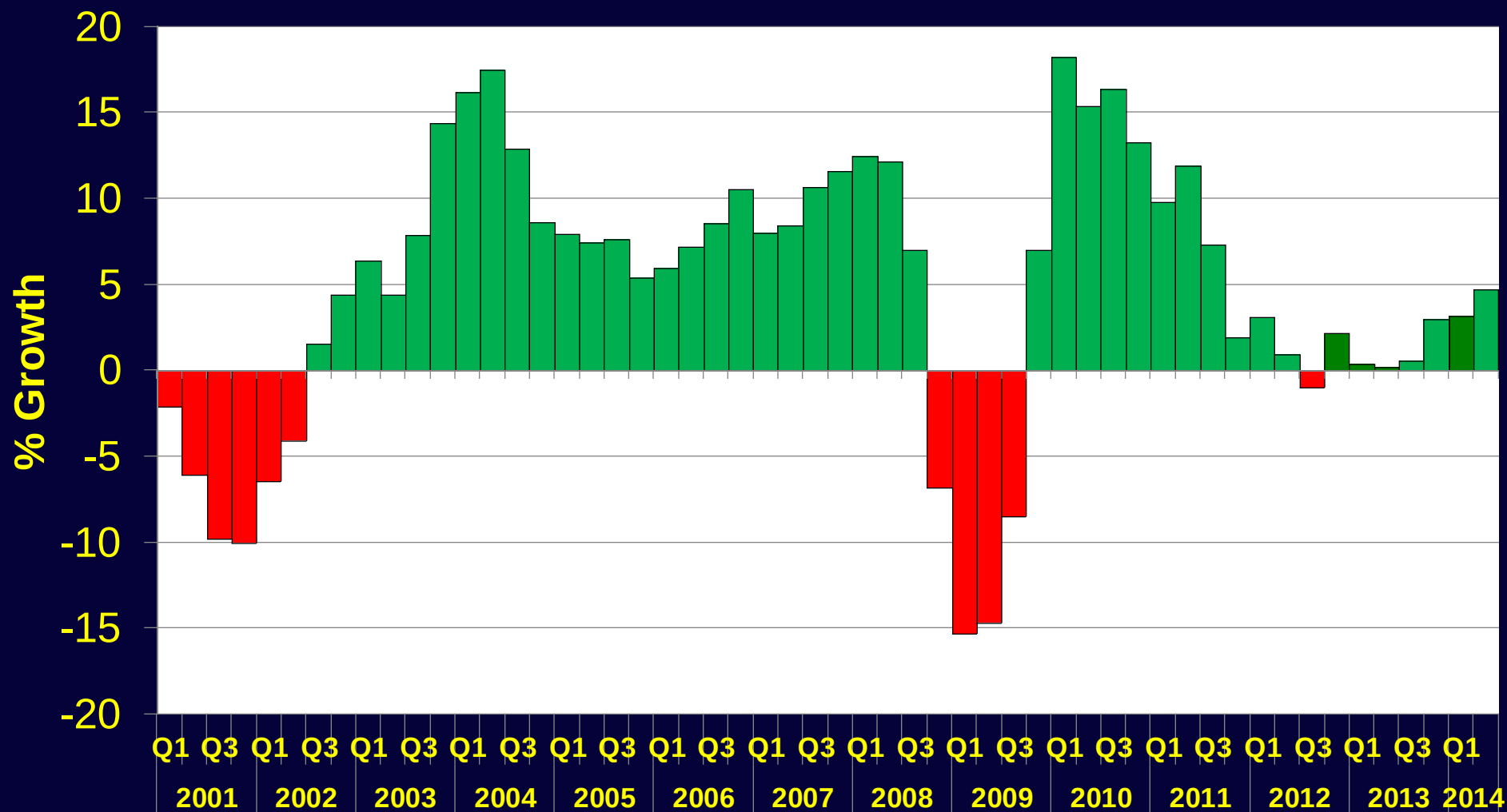
Revenue, Net Income & Inventory



Computer 13, Internet 9, Storage 10, Communication 20, SEMI 30, Medical 23, Instruments 11, Military 6, Business & Office 3, Consumer 13, Automotive 11

Chart 3

Electronic Equipment Suppliers Composite of 160 Public Companies Quarterly Revenue Growth

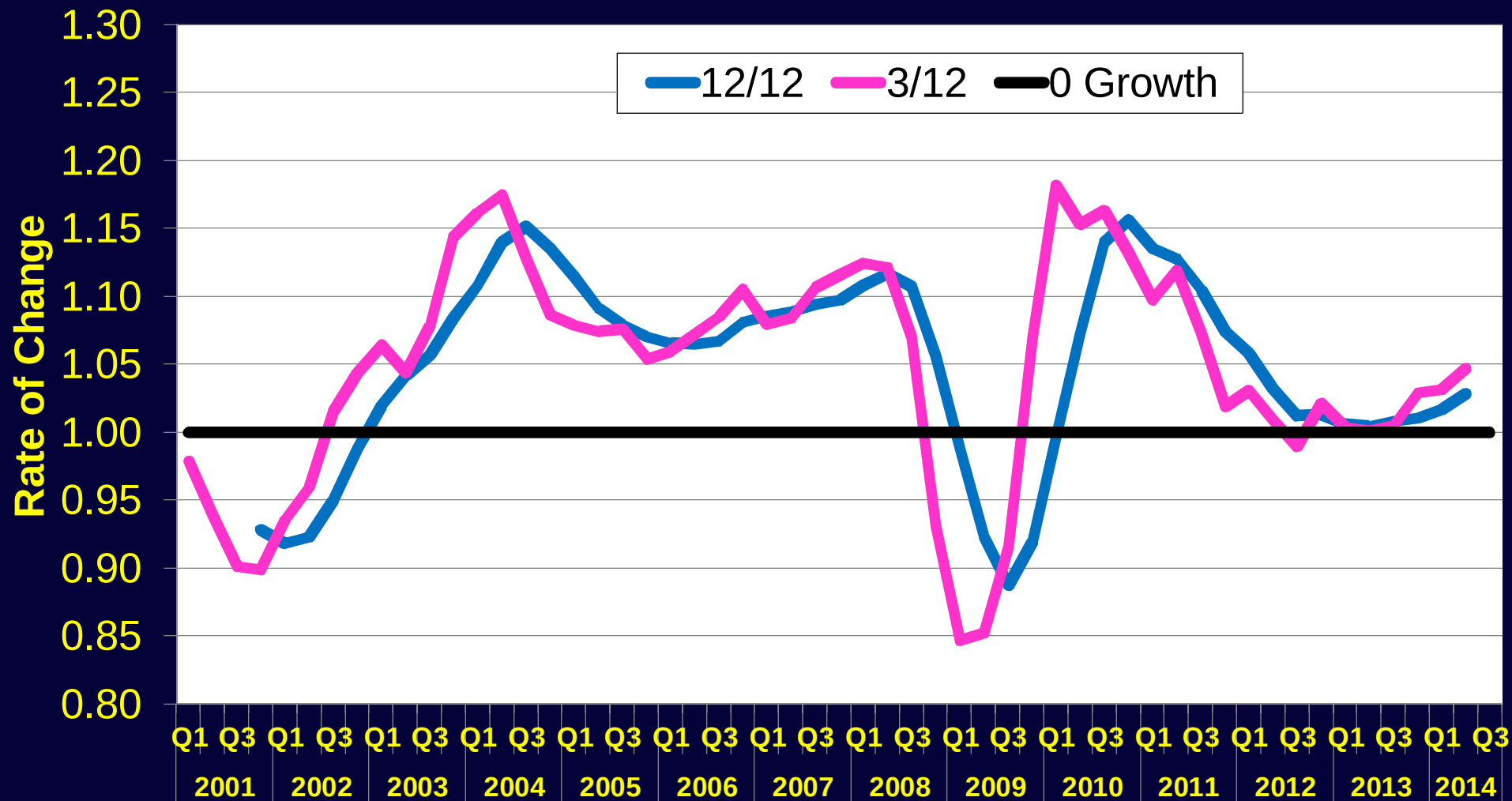


Computer 13, Internet 9, Storage 10, Communication 20, SEMI 20, Medical 23, Instruments 11, Military 6, Business & Office 3
+ Media tablets from all vendors, Consumer 13, Automotive 11

Chart 4

Global Electronic Equipment Shipment Growth

12/12 & 3/12 Rate of Change



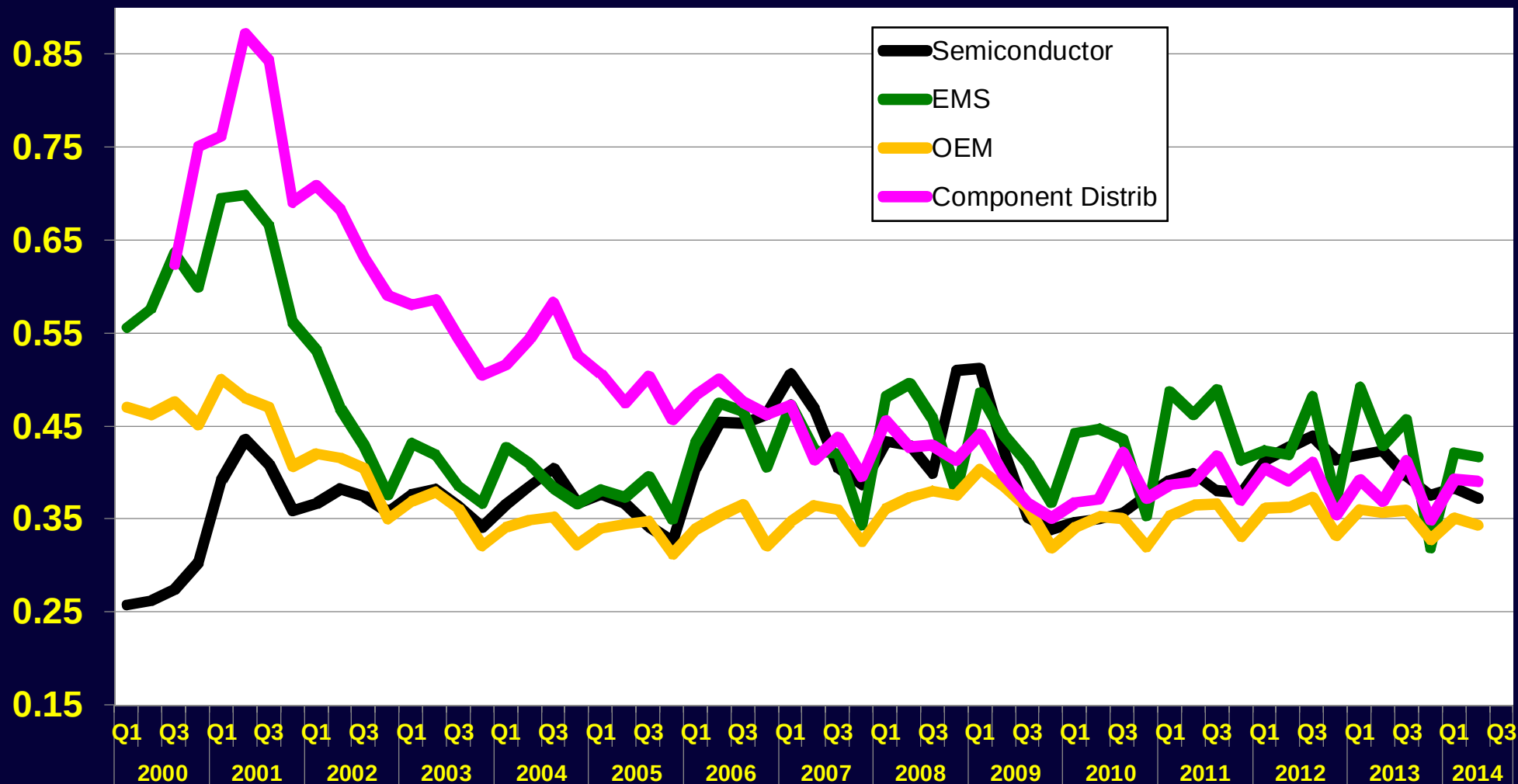
141 OEM company sales composite

Chart 5

Inventory/Sales Ratios

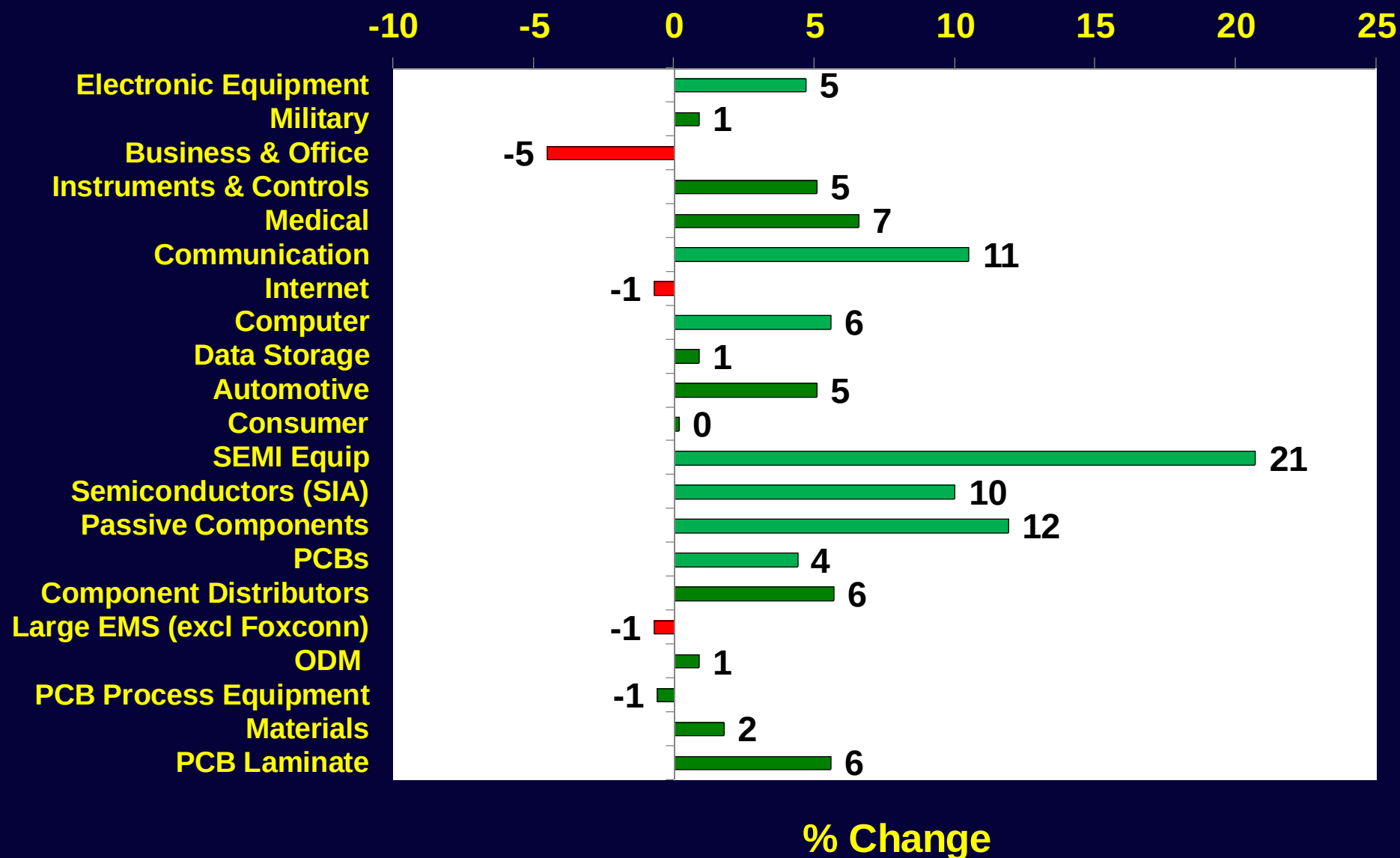
Large Component Distributors, Semiconductor, EMS & OEM Companies

Ratio: Inventories/Sales



Global Electronic Supply Chain Growth

2Q'14 vs. 2Q'13 (preliminary)



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

Chart 7

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

	<u>6/13</u>	<u>6/14</u>	<u>% CH</u>
Americas	4.76	5.34	+12.1%
Europe	2.84	3.19	+10.0%
Japan	2.72	2.95	+ 8.5%
Asia Pacific	14.56	16.09	+10.5%
Total	24.88	27.57	+10.8%

Chart 8

World Semiconductor Shipments

Monthly US\$

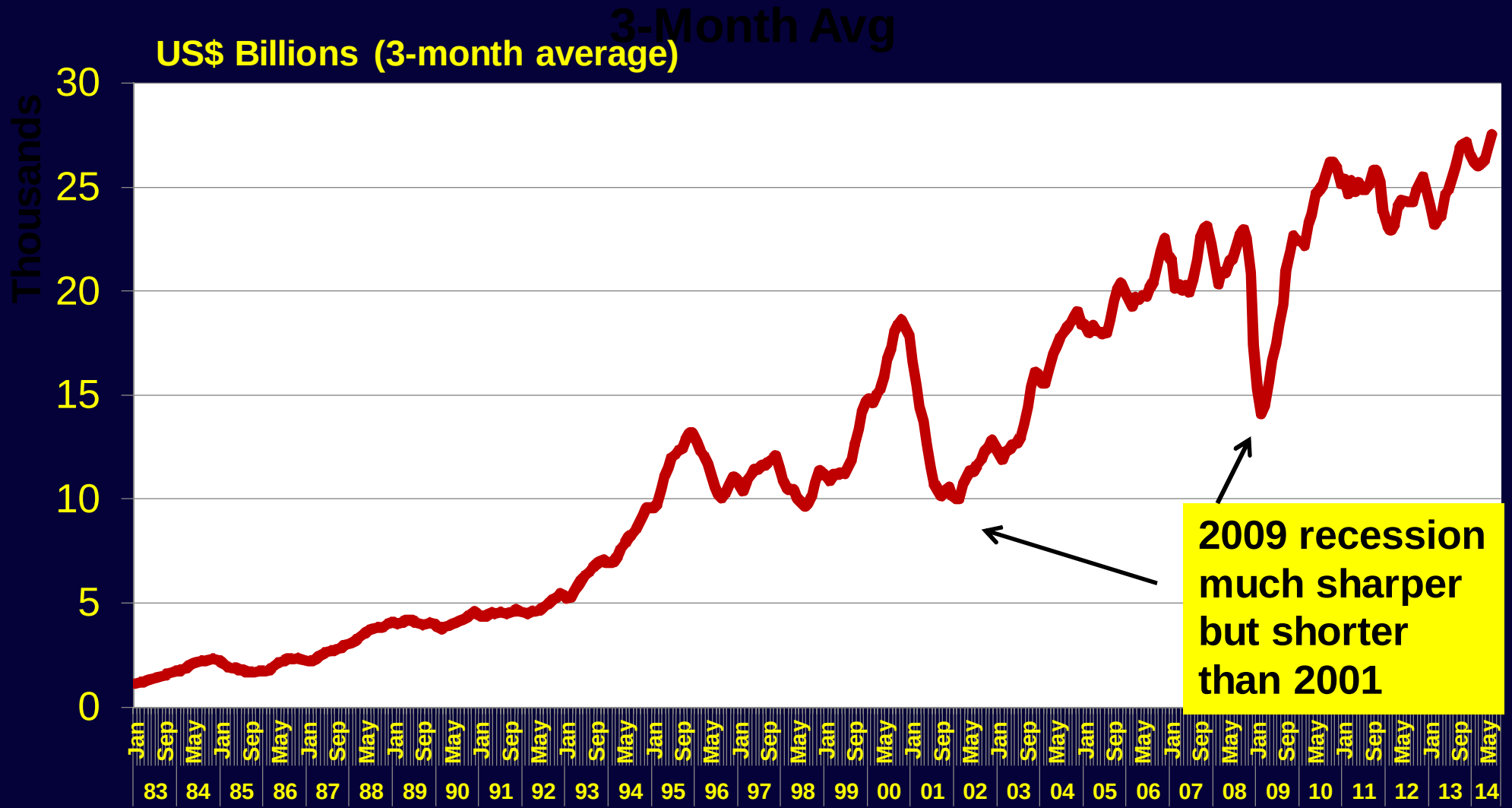


Chart 9

CCG Semiconductor Leading Indicator vs. Global Semiconductor Shipments

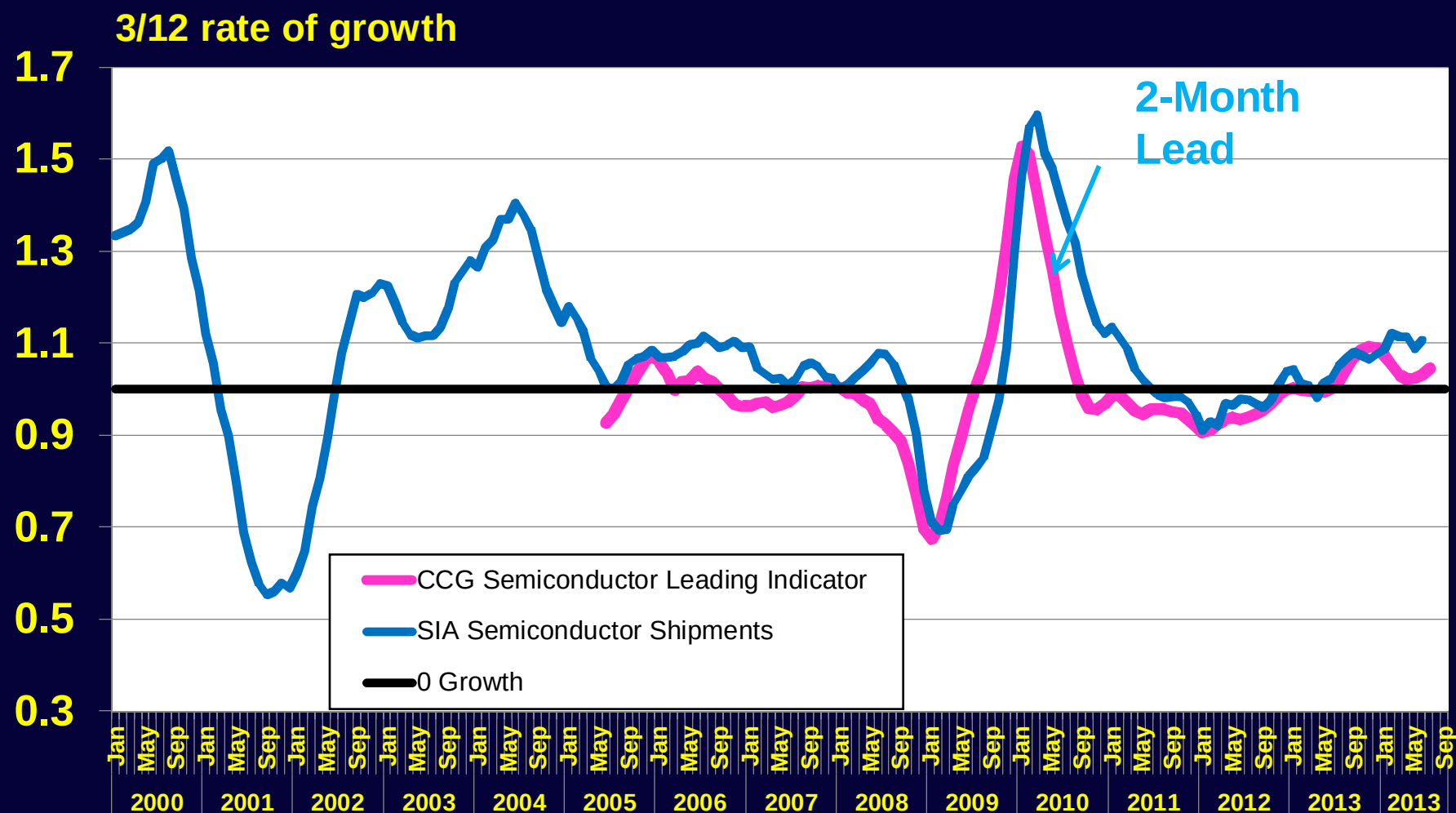


Chart 10

Total Semiconductor Shipments to an Area

Monthly Shipments - Reporting Firms

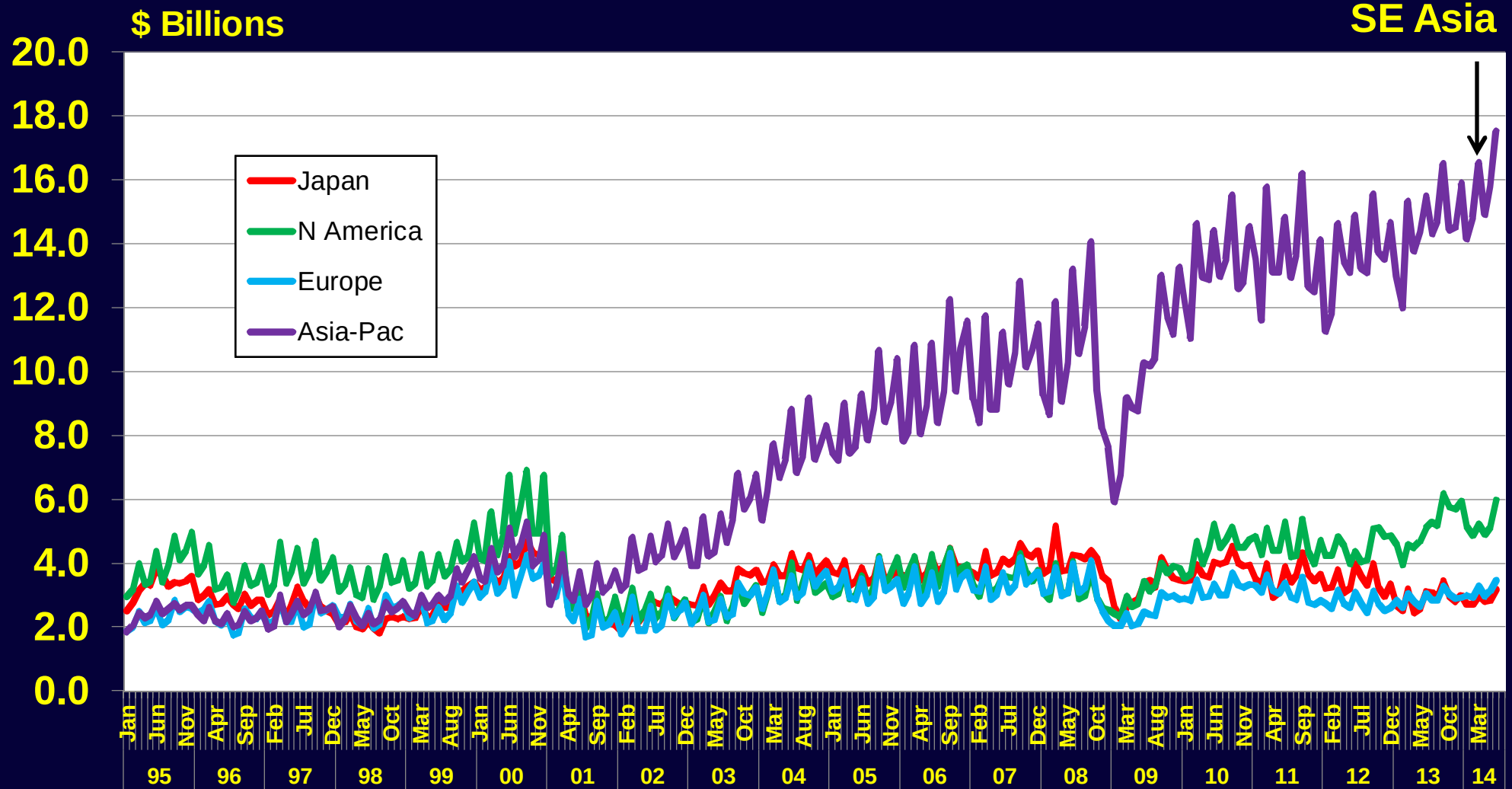
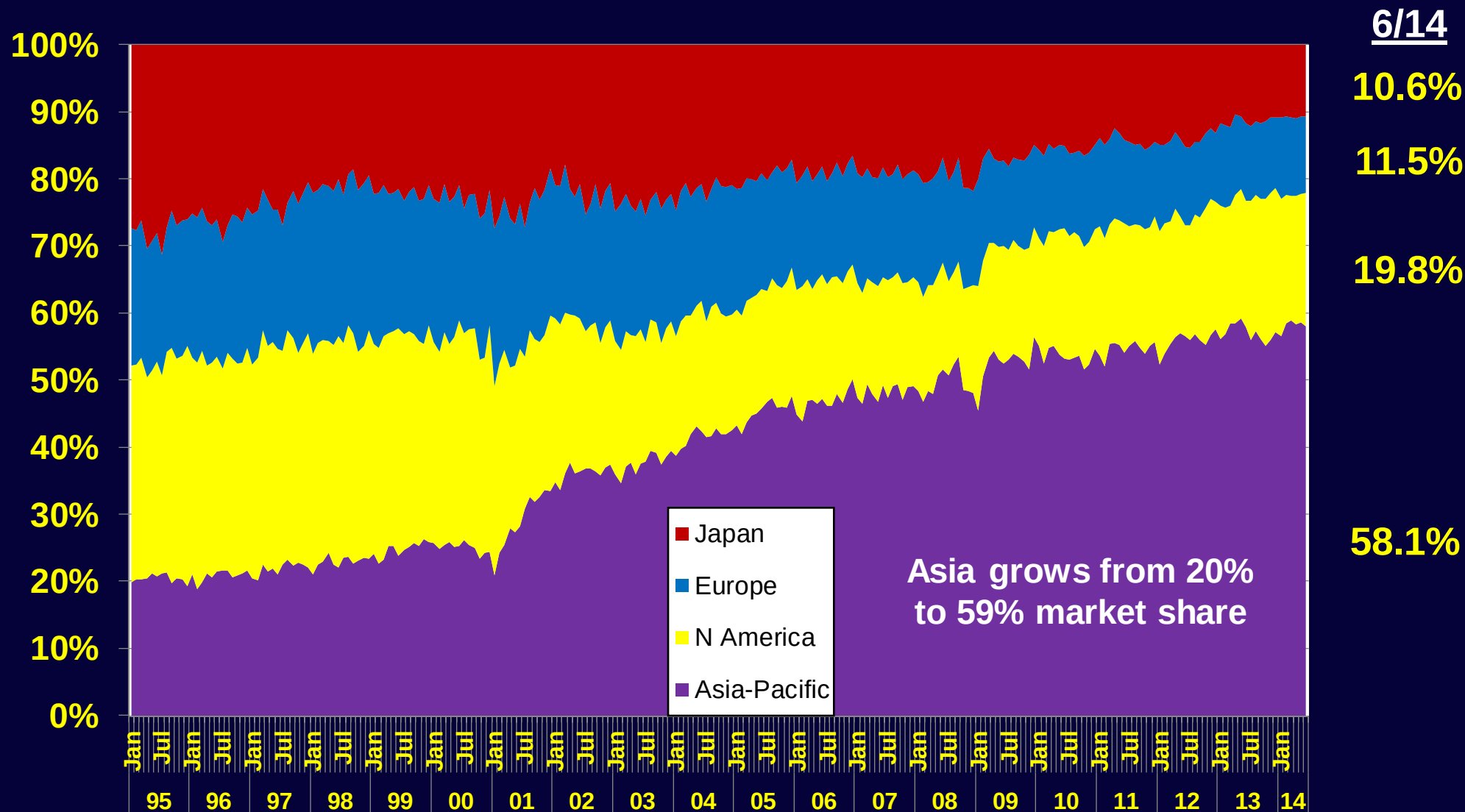


Chart 11

Total Semiconductor Shipments to an Area

Monthly Shipments - Reporting Firms



Purchasing Managers' Indices

June vs. July 2014

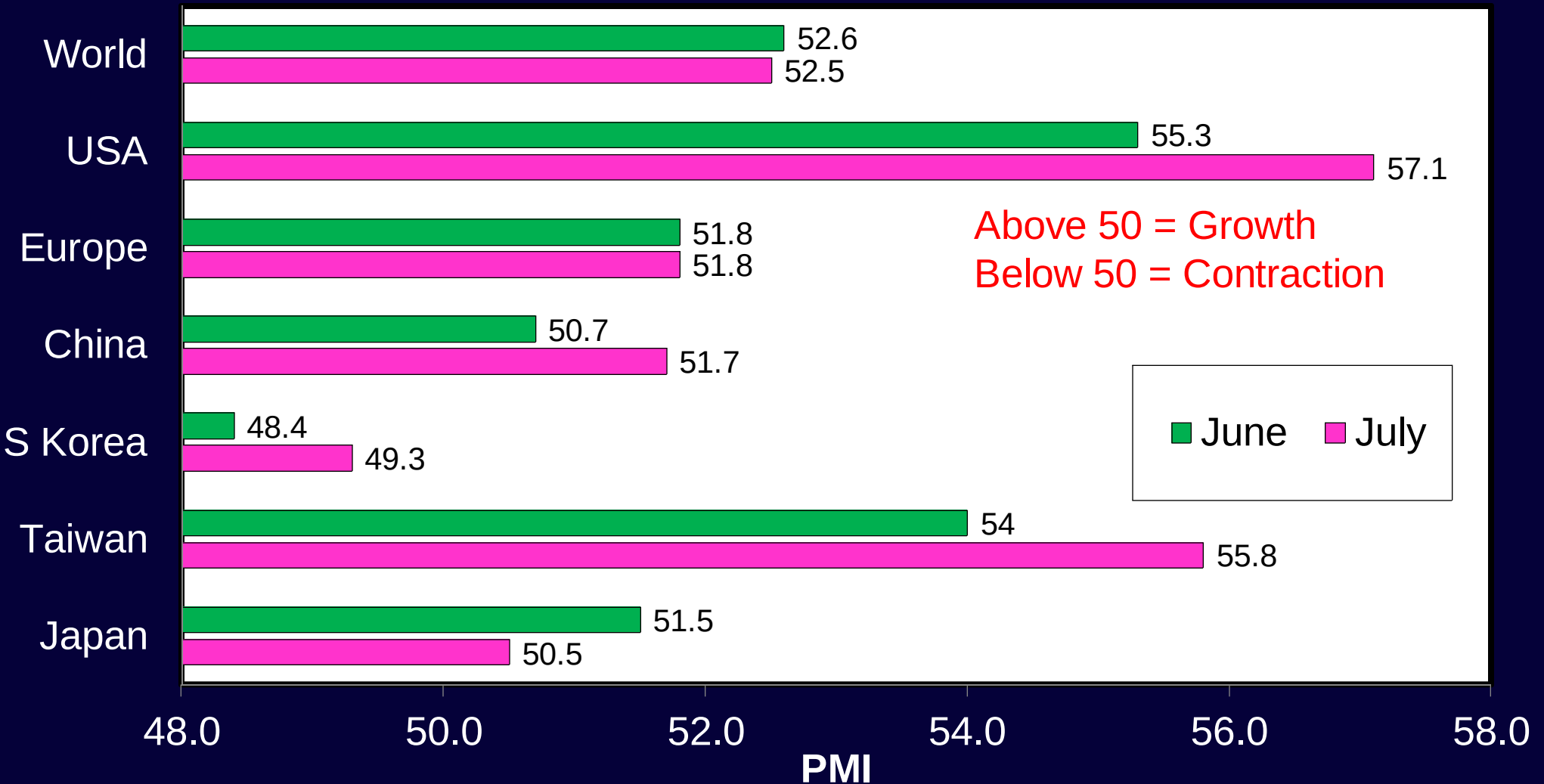


Chart 13

Global "Purchasing Managers" Index

Diffusion Index, >50 = Growth

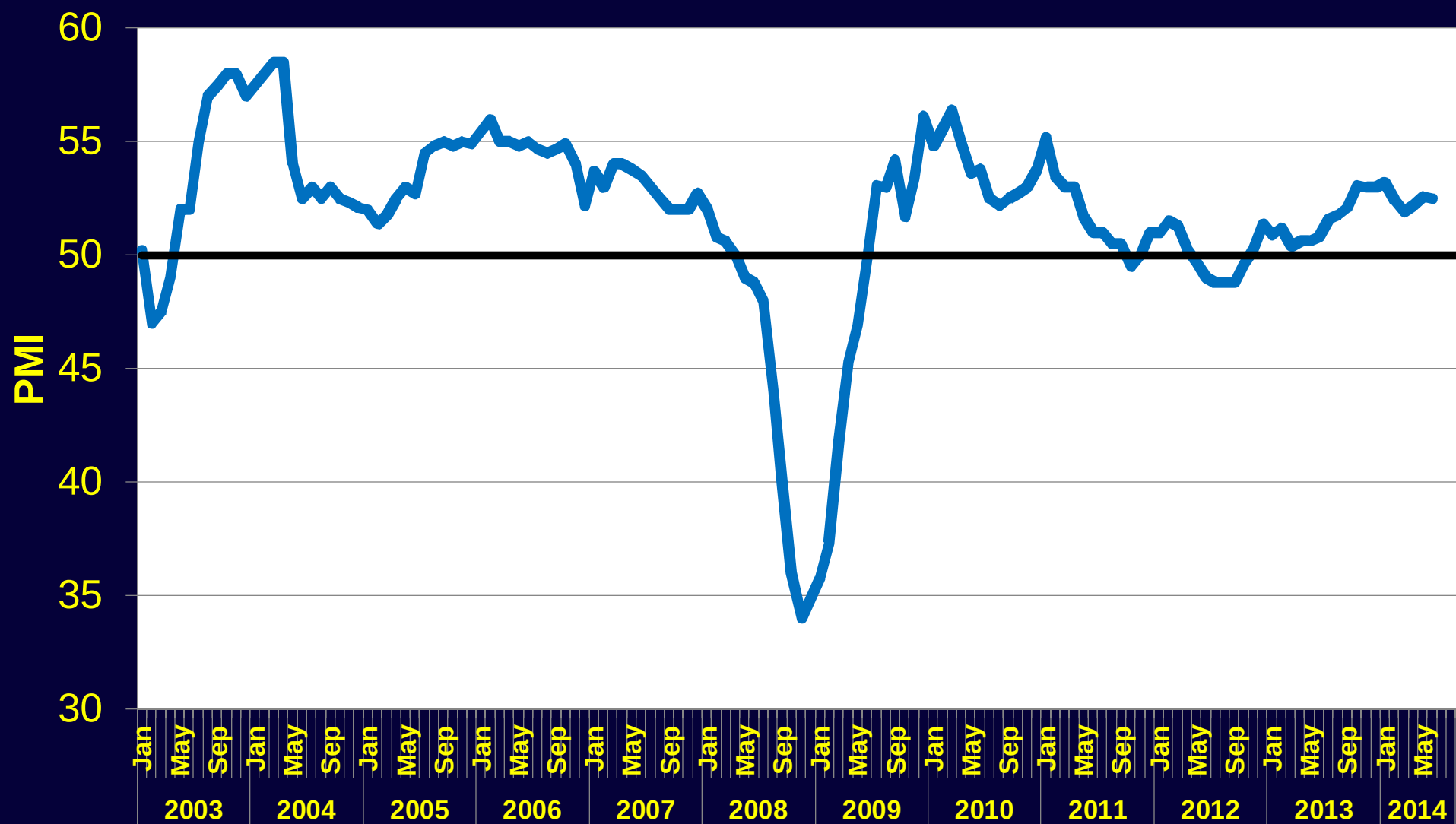


Chart 14

Asian Purchasing Managers Index

3/12 Rate of Change

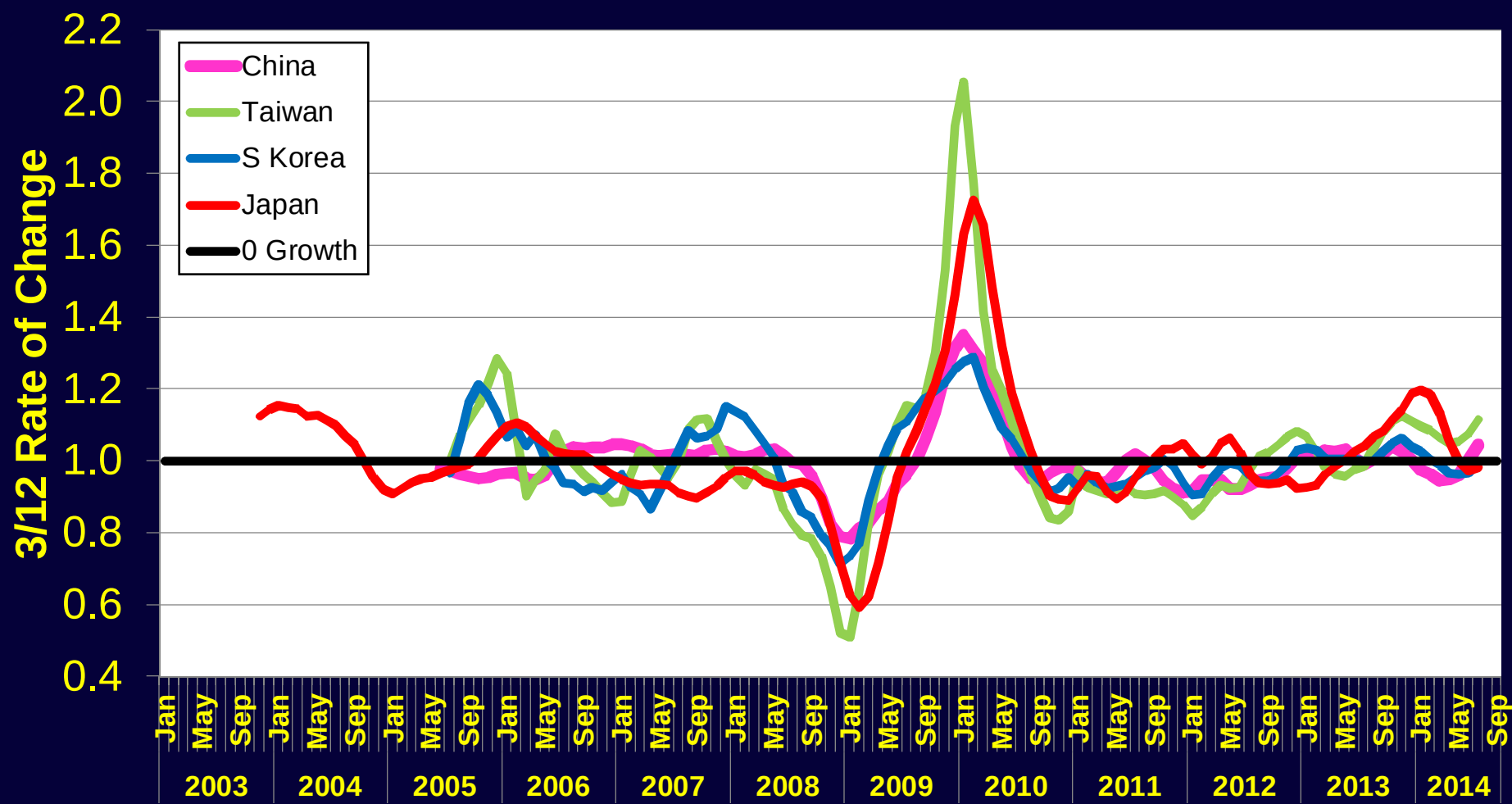
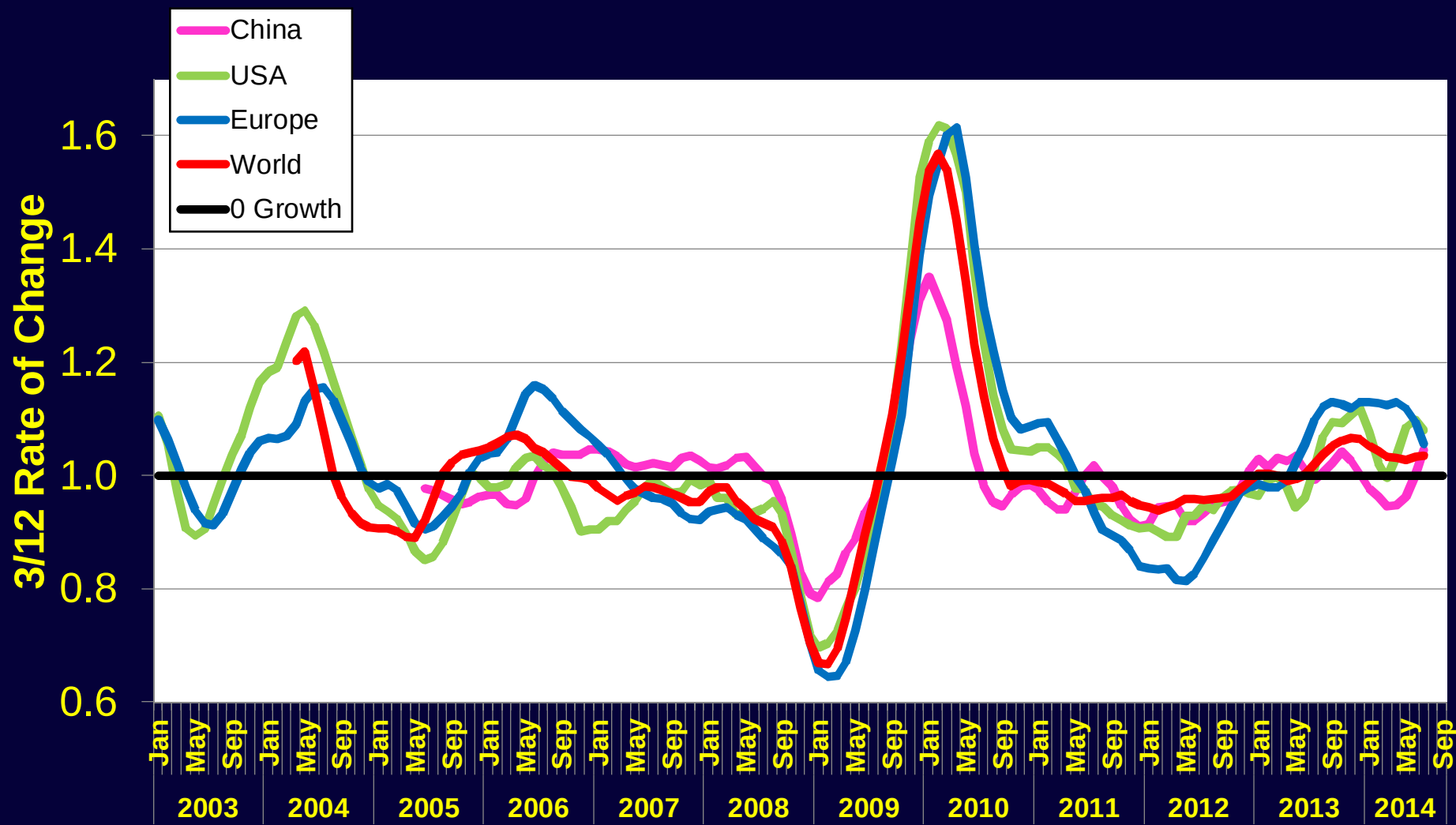


Chart 15

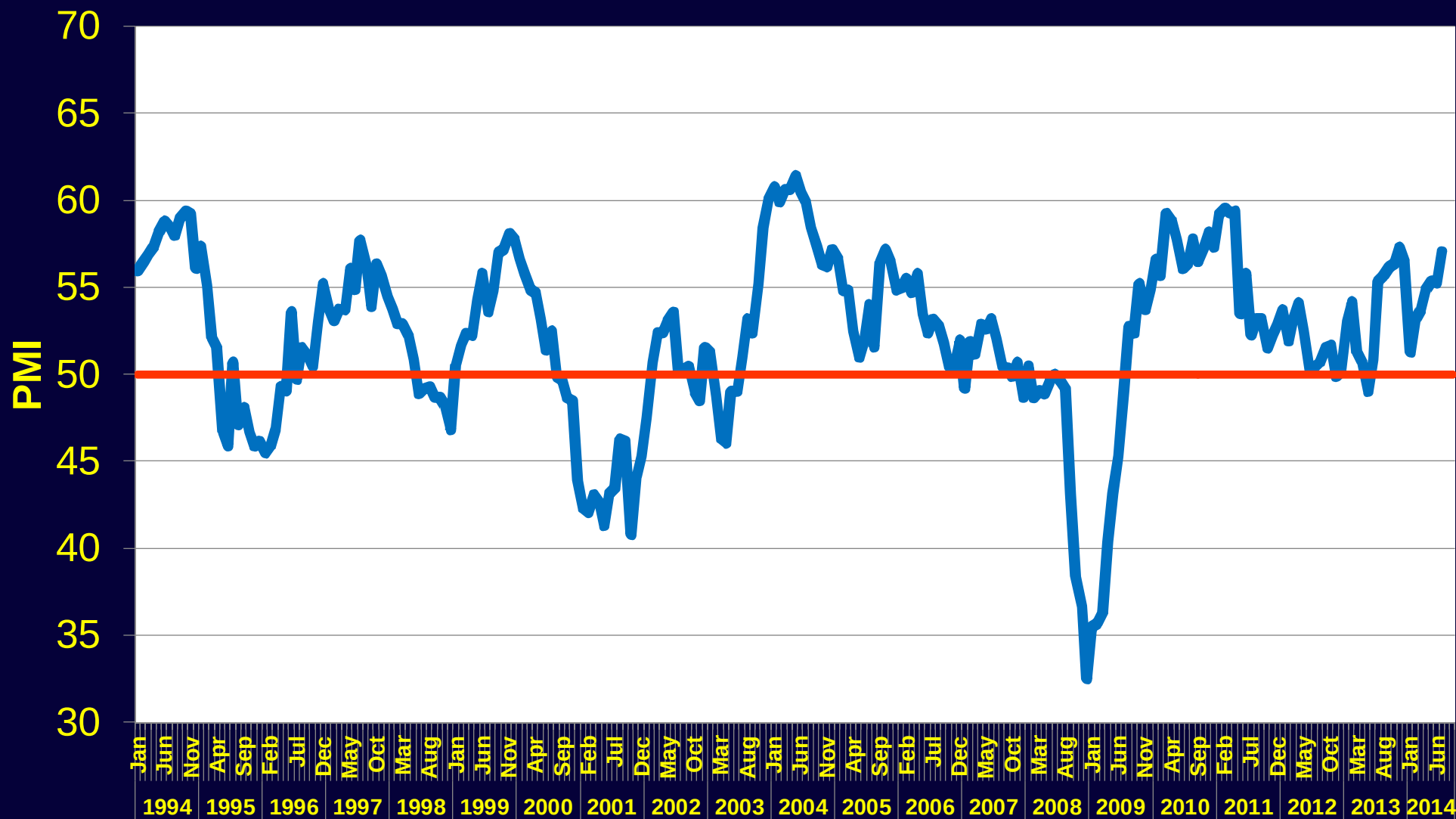
World Purchasing Managers Index

3/12 Rate of Change



U.S. "Purchasing Managers" Index

Diffusion Index, >50 = Growth



Rigid & Flexible PCB Book/Bill

N. America

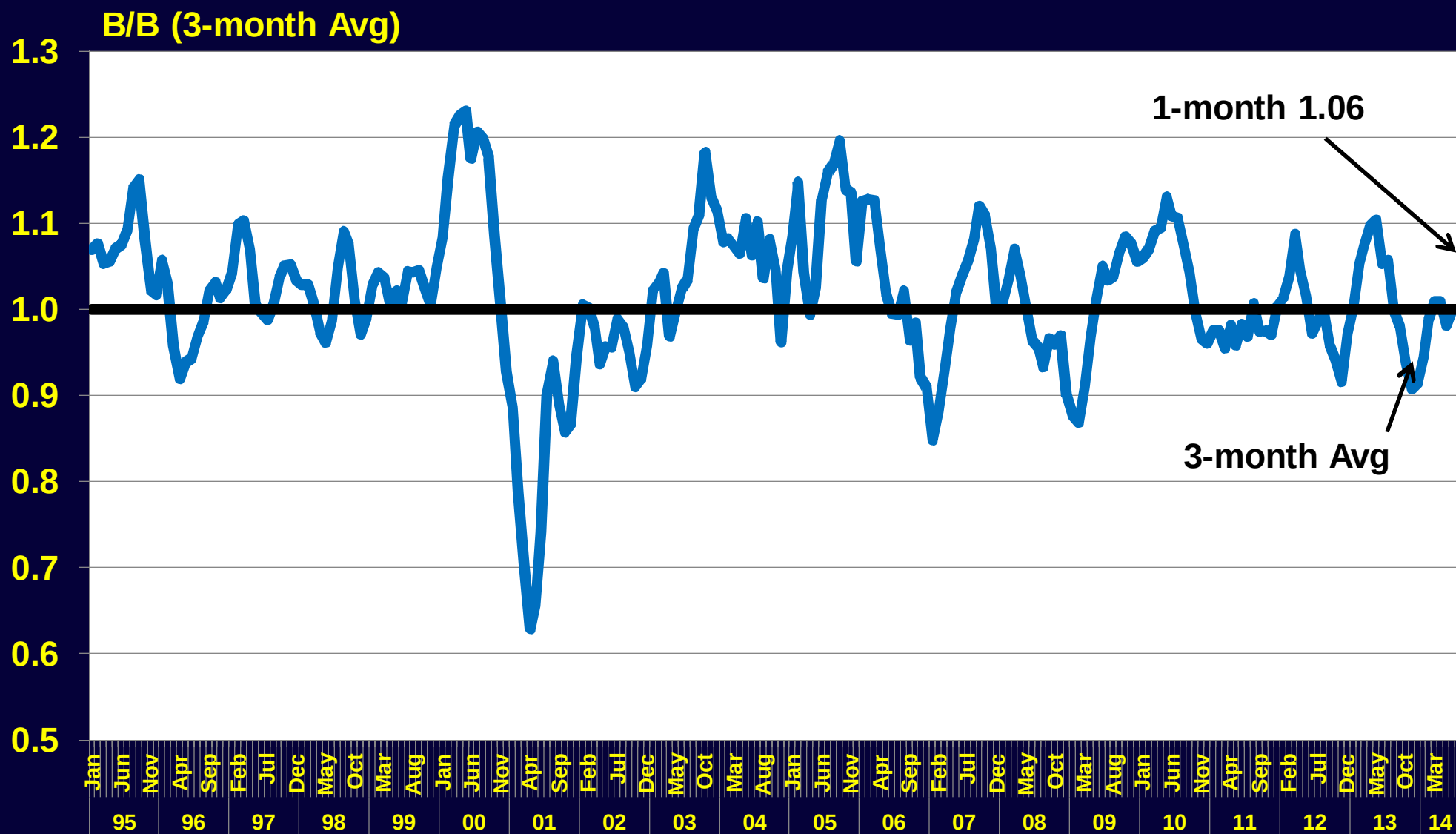
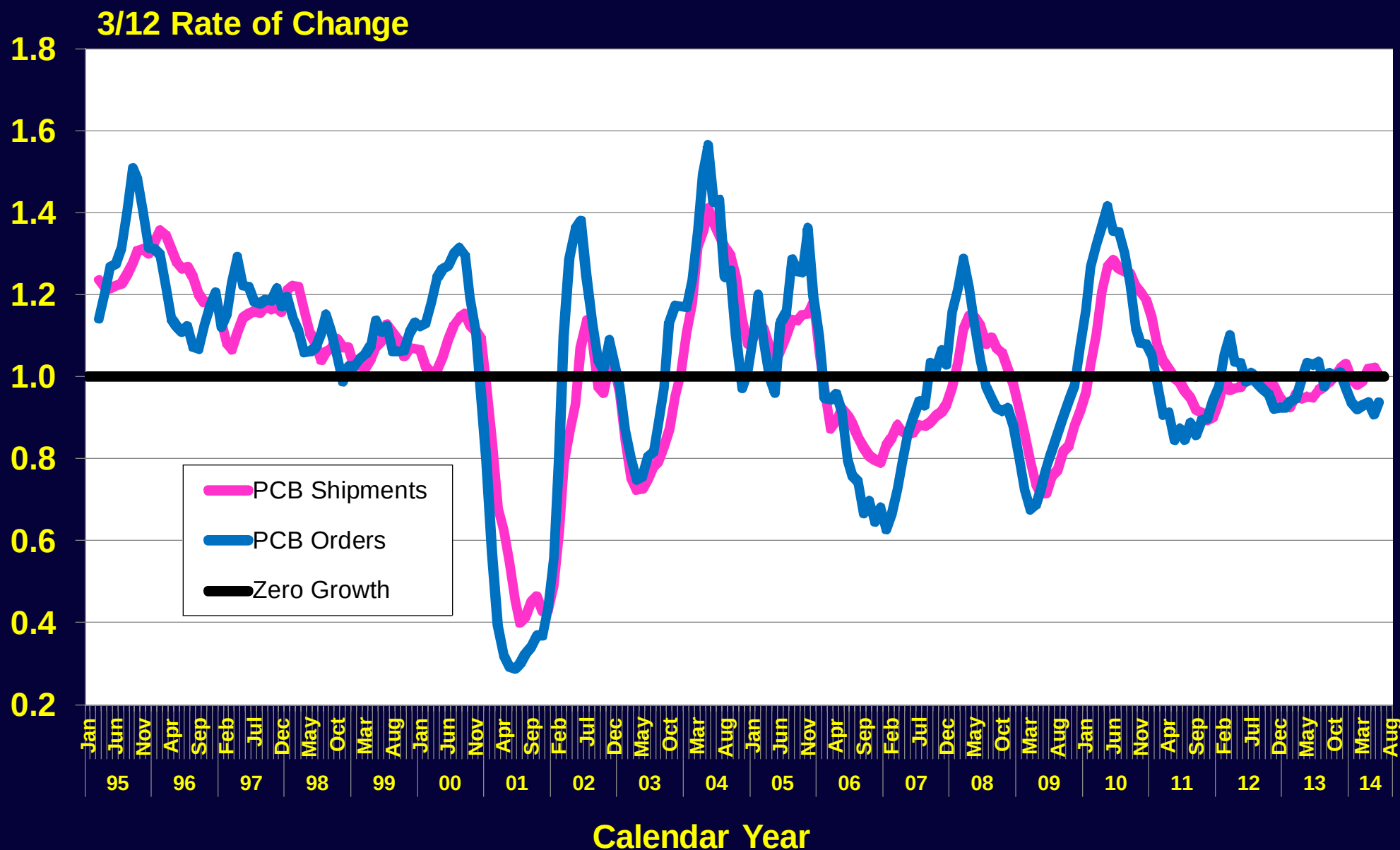


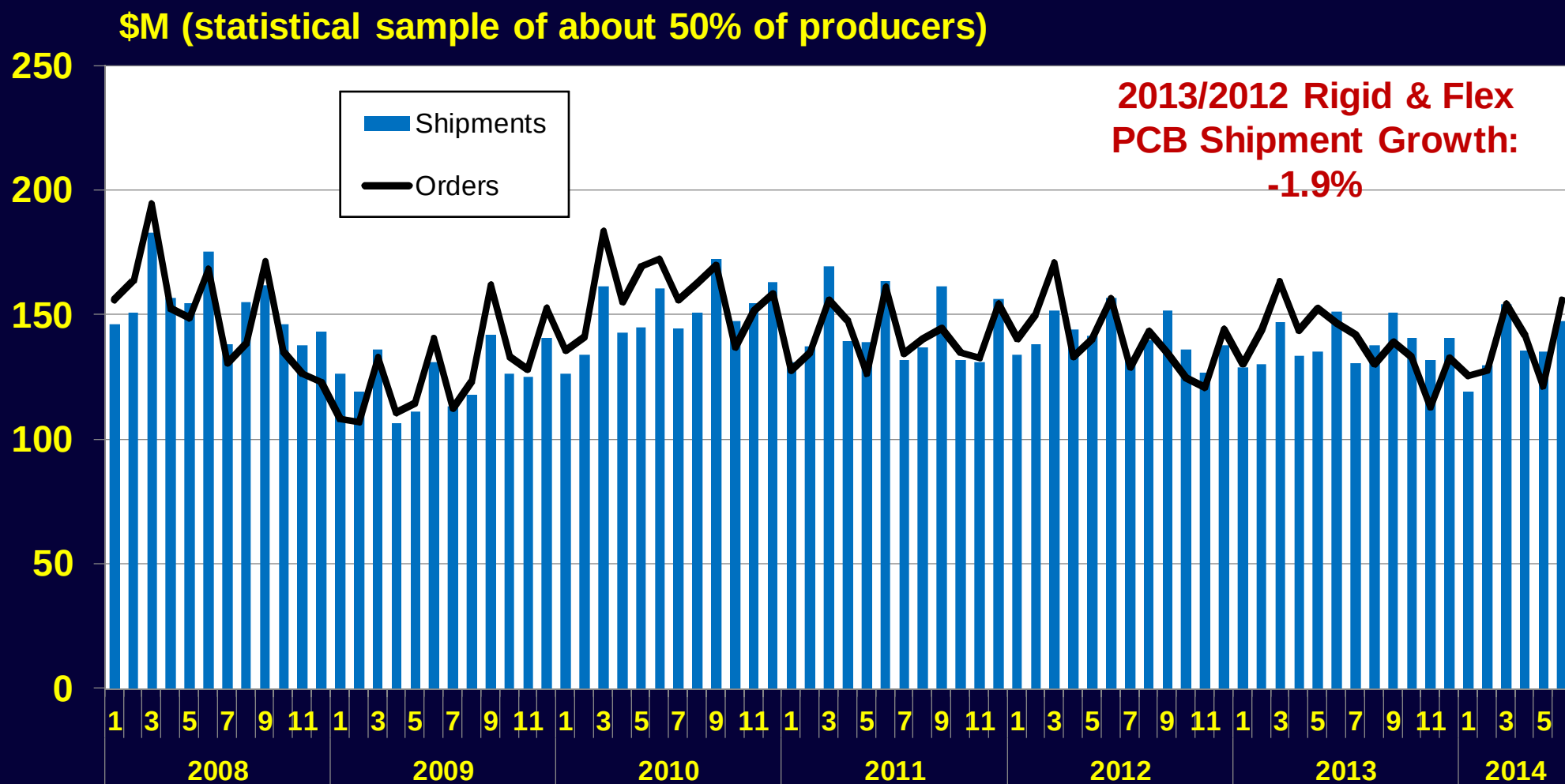
Chart 18

N. America Rigid & Flexible PCB Orders & Shipments



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

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.

Annual DRAM Bit Volume Growth

