

Microsemi Corporation

February 2014

Disclaimer

- This presentation contains projections or other forwardlooking statements regarding future events or the future financial performance of Microsemi Corporation.
- We wish to caution you that these statements are only predictions and that actual events or results may differ materially. We refer you to all of the documents that the company filed with the Securities and Exchange Commission. Please pay special attention to the Company's most recent Form 10-K and subsequent Form 10-Qs.
- These documents contain and identify important factors that could cause the actual results to differ materially from those contained in our projections or forward-looking statements.



About Microsemi Corporation (Nasdaq: MSCC)

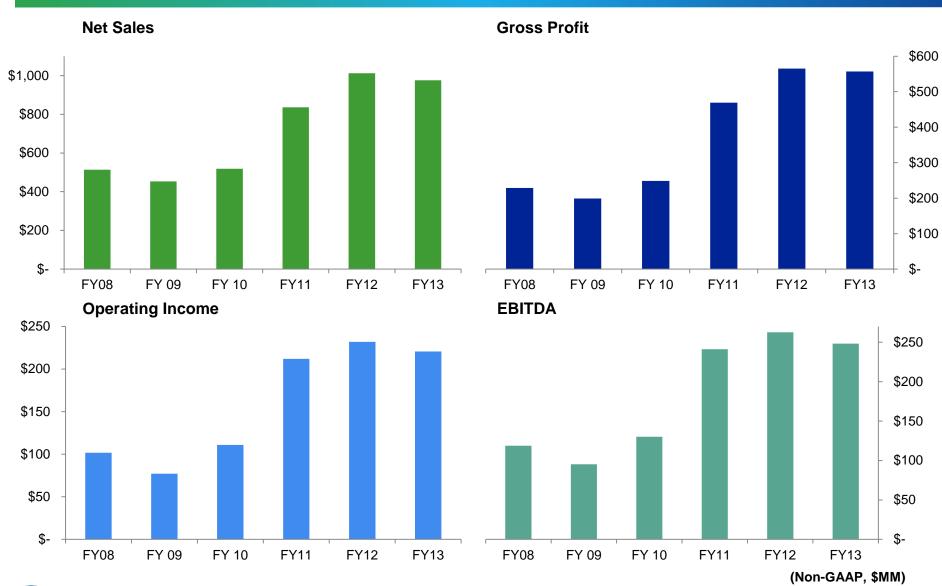
- Global provider of semiconductor solutions for applications focused on delivering power, reliability, security and performance.
- High-value, high barrier-entry markets:
 - Communications
 - Defense & Security
 - Aerospace
 - Industrial



Corporate headquarters in Aliso Viejo, CA

FY 2013 Revenue: \$976 million

Strengthening Financial Results



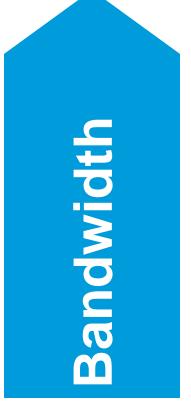


Macro Growth Drivers

4G Deployment
Bi-directional Data
High Definition Media
The Cloud

Information Assurance
Counterfeiting
Anti-tamper

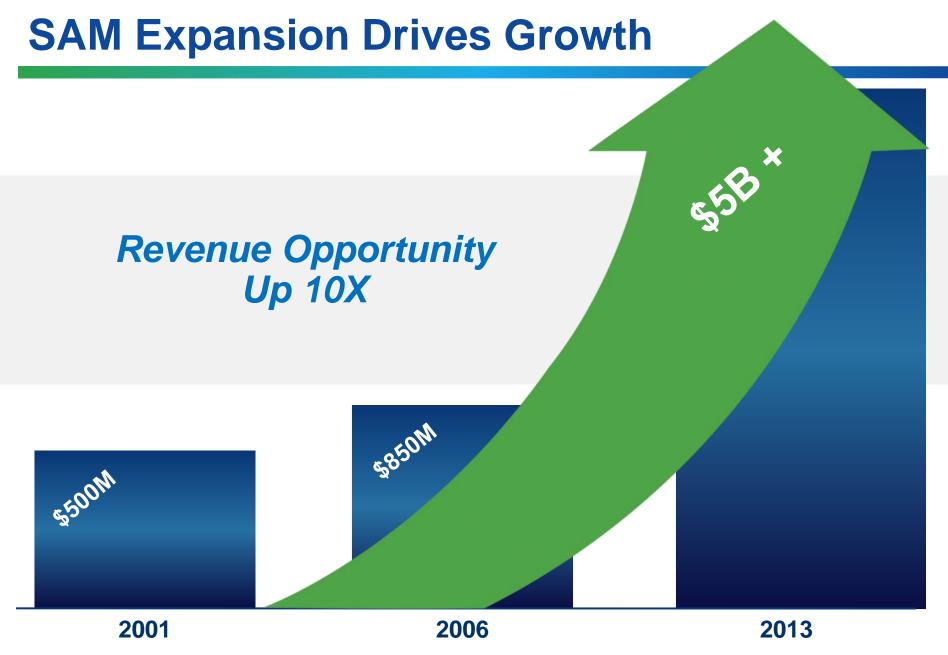
Transportation
Power Generation
Energy Management



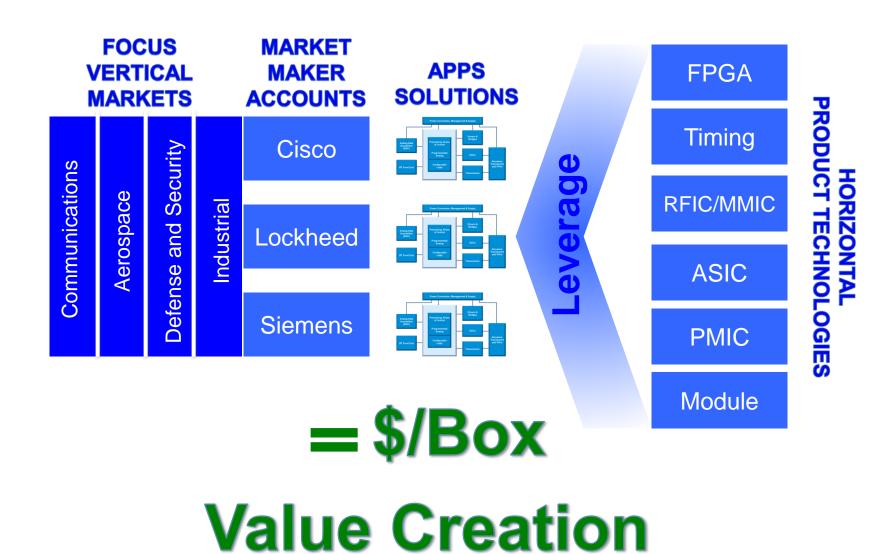








Going To Market – The Solution Engagement





Real Customers and Real Programs



Engine Control and System Management FPGA, HV MOSFET, Analog ASIC, Power Module, TVS



Server System and Power Management Customizable SoC, DC-DC, HV MOSFET



Basestation and Backhaul SystemsIEEE 1588/SyncE, PLL, FPGA



Power Bus and System Management FPGA, MOSFET, Analog ASIC, Power Module, TVS



Implantable Medical Device Systems
Ultra Low-Power Radio, HV IGBT/MOS FET, FPGA

Schlumberger

Hi-Temp Down-Hole Drilling Solutions
FPGA, HV FET & IGBT, HV Power Module



Microsemi Market Focus

Communications

38% of Revenue

Wireless Backhaul **Base Station Routing & Switching Networking Access & CPE**

Wireless Terminal

Defense & Security

25% of Revenue

Military Communication **Military Aircraft Unmanned Vehicle Information Assurance Security Scanners Anti-Tamper**

Aerospace

15% of Revenue

Commercial Air

Engine Control

Avionics

Actuation

Space

Power Delivery

Payload Electronics

Launch Systems

Industrial

22% of Revenue

Industrial Control

Medical Devices

Alternative Energy

Hybrid Vehicles

SEMI Cap Equipment

Machine to Machine





























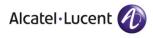




Solidifying Microsemi's Market Leadership



















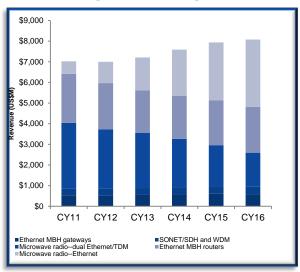
Microsemi provides world class timing solutions

- Leader in timing synchronization solutions
 - Broad and complete communications equipment timing solution
 - Most flexible and highest monolithic density OTN timing solution
 - High performance and cost-efficient clock management solutions
 - System knowledge that solves customers' most sophisticated network, compliance or clock tree challenges
- Field proven with Tier 1 wireline and wireless infrastructure suppliers

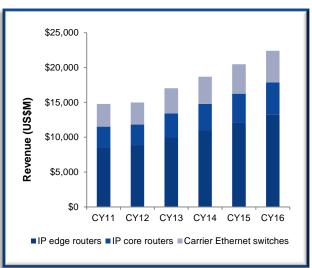


Addressing Higher Growth Communications Markets

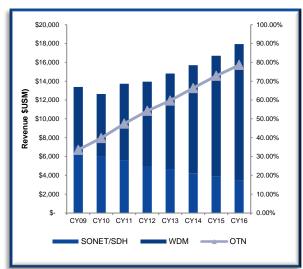
14% CAGR Ethernet Mobile
Backhaul
[2012 – 2016]



11% CAGR Service Providers
Routers & Switches
[2012 – 2016]



<u>17%</u> CAGR OTN Infrastructure Equipments [2011-2016]







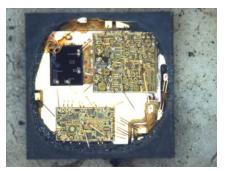
User / Mobile

Core & Storage

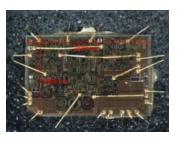
Broadband Access & Metro

Integration Capability a Key Differentiator

802.11ac WiFi Dual-Band FFM







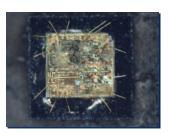
Monolithic SiGe FEM

- Highest level of integration
- Lowest BOM cost
- Lowest cost of ownership

802.11ac WiFi 5GHz FEM







Technology advantages

- Digital tuning vs. board level tuning
- Optimized power management
- Multiple radio bands on one chip
- Faster time to production



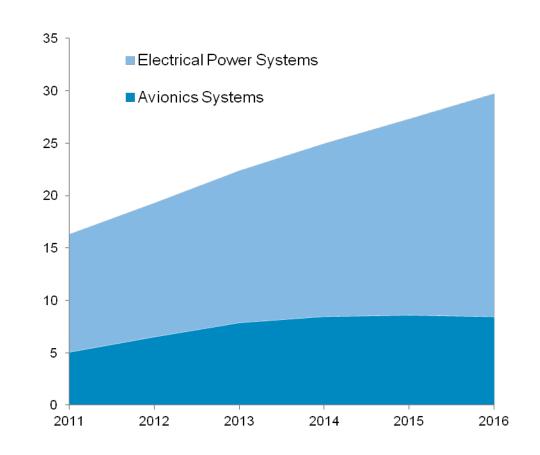
Electrification Accelerating Growth Prospects

Avionics

- 11% CAGR 2011-2016
- Higher speed, wider bandwidth
- Increased connectivity
- Size, weight, power
- Integration

Electrical Power Systems

- 14% CAGR 2011-2016
- Power Optimization
- Reliability, Safety, Cost
- Power Quality & Thermal Control
- Eco friendly, Zero Emissions





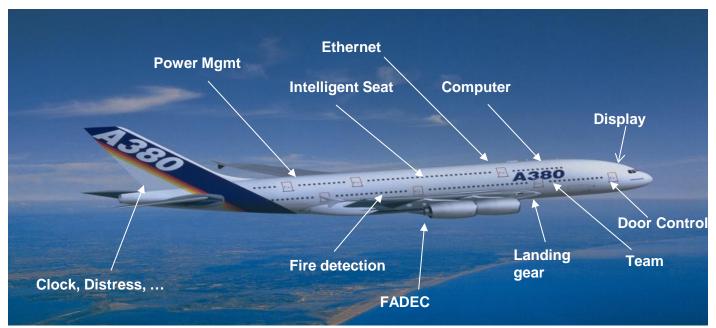
Revenue in US\$, Billions

Source: Frost & Sullivan

Growing Content and Capabilities

- >1000 Microsemi FPGAs on Board
 - Flight computers
 - Cockpit displays
 - Engine control and monitoring
 - Braking
 - Cabin pressurization and AC
 - Power control and distribution
 - Safety warning systems

- Additional Microsemi Content
 - 30KVA actuation systems
 - 12 modules per aircraft
 - 600V/300A TRENCH IGBT full bridge TVS
 - 2K-5K devices/plane
 - Low profile SP6-P package with AlSiC base plate
 - 10-15/plane





Expanding Market Opportunity for Digital Logic



Microsemi leading position in reliable commercial aviation. If it flies, we fly with it.



Remote radio heads and small cells require extended temperature and low power for reduced TCO and increased reliability



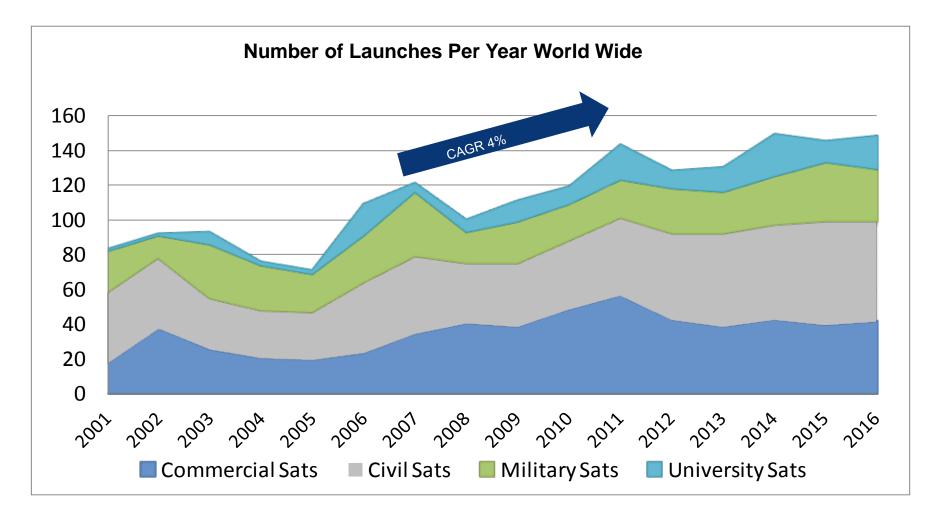
Core communication infrastructure 99.999% uptime required.

As geometries shrink SEU immunity awareness in control plane applications is growing daily

Security is a requirement for functional safety in Industrial automation, process control, and industrial networking

Catering to a Growing Satellite Market

There will be more satellites for launch during the next 10 years than at any time during the past two decades.





Capitalizing on Growth Drivers in Space

Imaging

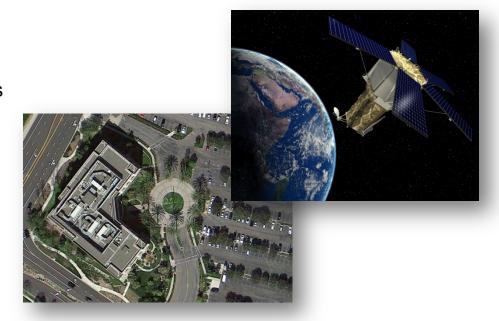
- Commercial imaging requirements
- Governments using merchant suppliers
- GEO communications platforms and buses supporting larger payloads and greater versatility

Digital communications

- Iridium Next constellation
- Large geosynchronous digital communications payloads

Space exploration and science

- NASA budget offset by Russia, India
 - Europe and Japan flat
- Increasingly complex sensor data processing on board the spacecraft

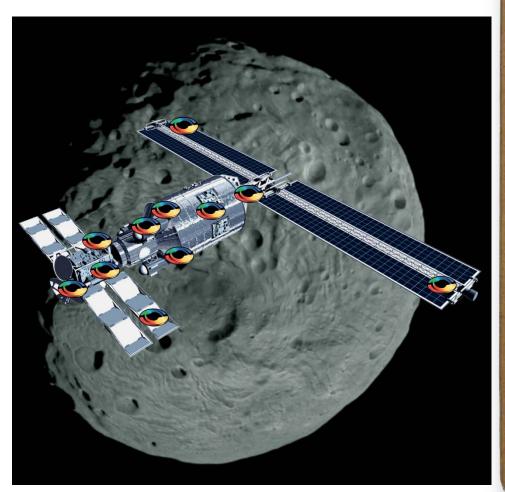


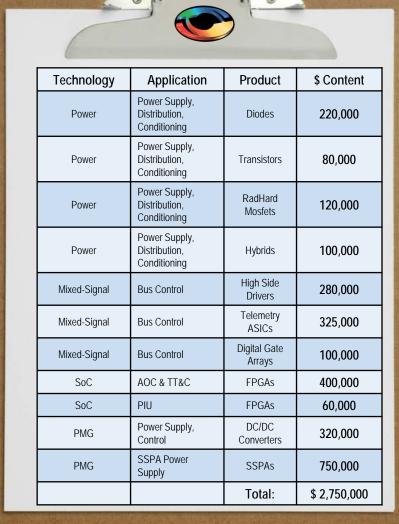




Satellite Content

MSCC: Total Solution





Source: Company Data, Commercial GEO Telecom Satellite Electrical Power System



Key Defense & Security Market Drivers

- Worldwide interconnection of critical data and systems of all types
 - DoD weapons and systems
 - Navigation and timing
 - Electric grid, transportation and refining
 - Banking, finance, medical
- Evolution of unmanned systems
 - Using robotics, sensors, machines and automation
- Technology of security threats not static—evolving quickly.
 - Demands flexible / programmable architectures
- Nation state actors with substantial motivation and resources to steal IP
 - Cyber, counterfeiting, and tampering
- Expanding U.S. foreign military sales. Risk of loss of critical technology.
 - UAE, Saudi, Turkey, Korea, more



Security: Attacks



Anti-tamper Threat Iran says it is building a copy of downed US spy drone By msnbc.com and news services (4/22/2012)



Threat Researchers Hack Voting Machine From the Argonne National Laboratory in Illinois



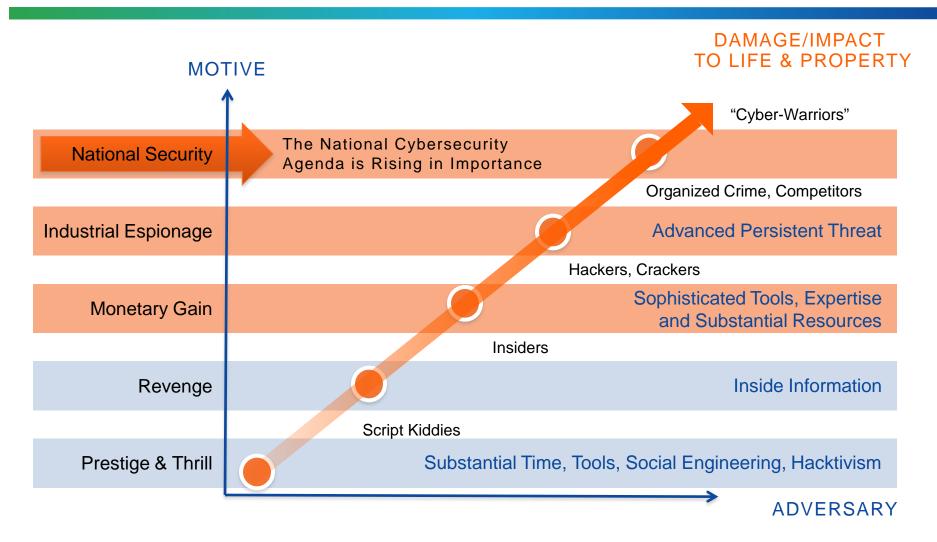
Hacking Threat Insulin Pumps Vulnerable, Says security researcher and diabetic Jay Radcliffe



Cyber Threat Computer worm opens a new era of warfare. 60 Minutes on CBS News

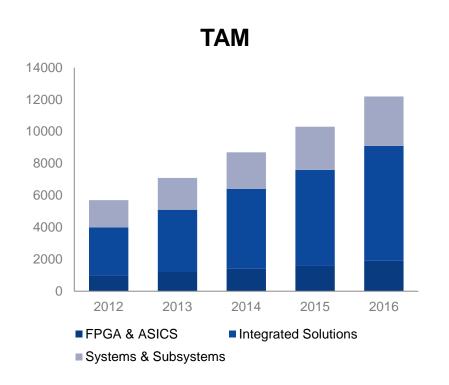


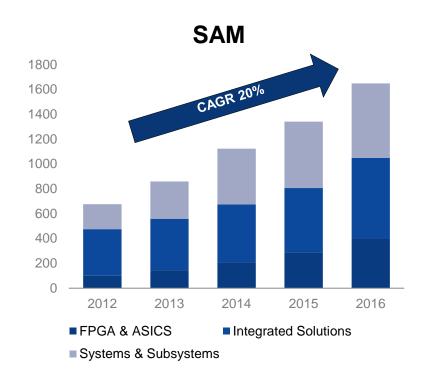
Security & Interconnected World





Defense & Security Market TAM & SAM





Revenue in US\$, Millions Source: Company Estimates



Industrial Trends Favor Microsemi Position

- Global economic conditions and competition forcing many into redesign for differentiation
- Increased international standards to ensure quality and high reliability
- Application areas such as functional safety on the rise to protect life and expensive operating costs
- Concerns over IP protection and malicious attacks driving embedded security measures



Market Sub-segment	2016 CAGR		
Energy	13.7%		
Factory Automation	11.1%		
Building Automation	8.8%		
Business Automation	3.6%		
Test, Scientific, Measurement	3.6%		

Source: IMS



Deployment Examples at Industrial Leaders

Factory / Building Automation

- PLC controller
- Servo motor control
- Motor shaft wear sensor
- Elevator motor control
- Industrial laser
- Safety laser scanner controller
- Gas flow meter
- Utility power service controller

Business Automation

- Point of sale terminal
- Touch screen display controller
- Toll tag reader
- RFID reader

Test, Scientific and Medical

- Seismic data recorder
- Industrial network tester
- Blood analyzer
- Implant telemetry
- LCD monitor
- Purification system
- Mobile X-Ray
- Patient monitoring

Energy

- Inverters
 - PV, wind and automotive
- Battery chargers
- Battery cell tester
- Industrial LED lighting









HALLIBURTON







DELPHI

























Power Matters



Financials

Financial Strength / Target Model

		FY14			
	Q1	Q2	Q3	Q4	Q1
Net Sales	247.6	235.3	242.6	250.4	255.6
Gross Profit	142.6	133.5	138.3	142.8	143.1
Gross Margin	57.6%	56.7%	57.0%	57.0%	56.0%
Operating Income	56.7	50.0	54.8	59.2	54.1
Operating Margin	22.9%	21.2%	22.6%	23.6%	21.2%
EBITDA	63.7	56.5	61.7	66.3	61.1
Net Income	45.0	38.9	44.8	49.1	42.9
Diluted EPS	0.50	0.43	0.49	0.53	0.46

Target Model						
Organic Revenue	10%					
Gross Margin	60%					
Operating Margin	30%					

Note: Non-GAAP, amounts in millions except EPS.



Balance Sheet & Cash Flow

		FY13			FY14
	Q1	Q2	Q3	Q4	Q1
Cash & Cash Equivalents	\$ 203.3	\$ 206.9	\$ 220.9	\$ 256.4	\$ 218.1
Accounts Receivable	159.4	158.4	151.2	162.1	174.9
Inventories	158.9	162.7	166.6	162.0	216.3
Total Assets	\$ 1,918.0	\$ 1,903.5	\$ 1,894.8	\$ 1,912.7	\$ 2,137.1
Current Liabilities	\$ 140.4	\$ 136.9	\$ 129.0	\$ 133.2	\$ 179.2
Long Term Debt	751.0	726.0	699.0	676.0	824.5
Stockholders' Equity	954.8	968.9	996.1	1,032.1	1,045.8
Total Liabilities & Stockholders' Equity	\$ 1,918.0	\$ 1,903.5	\$ 1,894.8	\$ 1,912.7	\$ 2,137.1
Days Sales Outstanding	58	62	58	57	59
Days of Inventory	138	144	144	136	140
Operating Cash Flow	\$ 28.1	\$ 31.9	\$ 52.6	\$ 52.4	\$ 62.5

Amounts in millions



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Thank You