Automotive Market for Semiconductors - 2016 Edition

Description: This study provides analysis of the automotive market for semiconductors. The study looks at demand for many of the key automotive systems found in passenger cars and light trucks and then rationalizes that demand to forecasts and trends for semiconductor consumption. Base year is 2015 with forecasts provided to 2022.

*** New for 2016 edition: inclusion of analysis of the ADAS sector; segmentation of the memory market into DRAM/SRAM and PROM/EPROM/Flash ***

Key Features:
- Coverage of the total market for automotive semiconductors, including OE and aftermarket.
- Estimate for worldwide production volumes of 37 OE automotive systems, with forecasts to 2022.
- Segmentation of semiconductor market into 18 product types, with forecasts to 2022.
- Regional analysis of automotive semiconductor market by North America, Europe, Japan, China and Rest of the World, with forecasts to 2022.
- Analysis of supplier market shares for OE automotive semiconductors in 2014.
- Highly quantitative analysis, with discussion summarized in short, easy to read bullet points.
- PDF and Excel delivery options available.

Automotive System Coverage
The system types included in the study are as follows:


- Powertrain: Engine Control & Ignition, Automatic Transmission.


Semiconductor Market Segmentation
In each main system area (Safety, Powertrain, OE Security etc.) the study provides analysis of the market for automotive semiconductors into 18 product types, as follows:

- 4/8-bit MCU-
- 16-bit MCU
- 32/64-bit MCU/eMPU-
- Digital Signal Processor (DSP)
- DRAM/SRAM-
- PROM/EPROM/Flash
- Gate Arrays & Standard Cells
- PLD/FPGA-
- Other Logic
- General Purpose Analog-
- Application Specific Analog
Further segmentation of the 32/64-bit MCU/eMPU category is also provided by architecture, as follows:

- ARM MCU
- ARM eMPU
- MIPS
- x86
- Power Architecture
- 68K/Coldfire
- SuperH
- TriCore
- V850/RH850
- Other

Contents:

Section 1 – Executive Overview
Key Point Conclusions

Section 2 – Scope & Method
2.1 Research Method
2.2 Automotive Electronics & Entertainment Systems Service

Section 3 – Global & Regional Light Vehicle Production Forecast

Section 4 – Semiconductor TAM Analysis

Section 5 – Body & Chassis Systems

Section 6 – Powertrain Systems

Section 7 – Safety Systems

Section 8 – OE Security Systems

Section 9 – OE Entertainment Systems

Section 10 – Automotive Aftermarket Systems

Section 11 – Product Tables by Sector

Section 12 – Regional Tables by Sector

List of Tables
Table 1.1 Global Market for OE Automotive Semiconductors by Product
Table 1.2 Market Share Estimates for Semiconductor Suppliers to the OE Automotive Sector in 2014
Table 1.3 Global Market for OE Automotive Semiconductors by Sub-Sector
Table 1.4 Global Market for OE Automotive Semiconductors by Region
Table 1.5 Global Automotive System Production Forecast
Table 2.1 System Definitions
Table 3.1 Global Light Vehicle Production Forecast by Region
Table 3.2 Light Vehicle Production Forecast in Brazil, Russia, India & China
Table 4.1 Analysis of the World Market for Semiconductors in the OE Automotive Sector in 2014
Table 5.1 Global Production Forecasts For Body & Chassis Systems
Table 5.2 Global Market for Semiconductors in Body & Chassis Systems by Product
Table 5.3 Global Market for Semiconductors in Body & Chassis Systems by Region
Table 6.1 Global Production Forecasts for Powertrain Systems
Table 6.2 Global Forecast for Hybrid & Electric Light Vehicle Production
Table 6.3 Global Market for Semiconductors in Powertrain Systems by Product
Table 6.4 Global Market for Semiconductors in Powertrain Systems by Region
Table 7.1 Global Production Forecasts for Safety Systems
Table 7.2 Global Market for Semiconductors in Safety Systems by Product
Table 7.3 Global Market for Semiconductors in Safety Systems by Region
Table 8.1 Global Production Forecasts for ADAS
Table 8.2 Global Market for Semiconductors in ADAS by Product
Table 8.3 Global Market for Semiconductors in ADAS by Region
Table 9.1 Global Production Forecasts for OE Security Systems
Table 9.2 Global Market for Semiconductors in OE Security Systems by Product
Table 9.3 Global Market for Semiconductors in OE Security Systems by Region
Table 10.1 Global Production Forecasts for OE Entertainment Systems
Table 10.2 Global Market for Semiconductors in OE Entertainment Systems by Product
Table 10.3 Global Market for Semiconductors in OE Entertainment Systems by Region
Table 11.1 Global Production Forecasts for Automotive Aftermarket Systems
Table 11.2 Global Market for Semiconductors in Automotive Aftermarket Systems by Product
Table 11.3 Global Market for Semiconductors in Automotive Aftermarket Systems by Region
Table 12.1 Automotive Market for Actuators & Sensors by Sub-sector
Table 12.2 Automotive Market for Application Specific Analog ICs by Sub-sector
Table 12.3 Automotive Market for General Purpose Analog ICs by Sub-sector
Table 12.4 Automotive Market for IGBTs by Sub-sector
Table 12.5 Automotive Market for MOSFETs by Sub-sector
Table 12.6 Automotive Market for Rectifiers by Sub-sector
Table 12.7 Automotive Market for Other Discretes & Modules by Sub-sector
Table 12.8 Automotive Market for Gate Arrays & Standard Cells by Sub-sector
Table 12.9 Automotive Market for PLDs/FPGAs by Sub-sector
Table 12.10 Automotive Market for Other Logic by Sub-sector
Table 12.11 Automotive Market for 4/8-bit MCUs by Sub-sector
Table 12.12 Automotive Market for 16-bit MCUs by Sub-sector
Table 12.13 Automotive Market for 32/64-bit MCUs/eMPUs by Sub-sector
Table 12.14 Automotive Market for ARM-based MCUs by Sub-sector
Table 12.15 Automotive Market for ARM-based eMPUs by Sub-sector
Table 12.16 Automotive Market for MIPS-based MCUs/eMPUs by Sub-sector
Table 12.17 Automotive Market for Power Architecture-based MCUs/eMPUs by Sub-sector
Table 12.18 Automotive Market for 68K/Coldfire-based MCUs/eMPUs by Sub-sector
Table 12.19 Automotive Market for SuperH-based MCUs/eMPUs by Sub-sector
Table 12.20 Automotive Market for TriCore-based MCUs/eMPUs by Sub-sector
Table 12.21 Automotive Market for V850/RH850-based MCUs/eMPUs by Sub-sector
Table 12.22 Automotive Market for x86-based MCUs/eMPUs by Sub-sector
Table 12.23 Automotive Market for Other 32/64-bit MCUs/eMPUs by Sub-sector
Table 12.24 Automotive Market for Digital Signal Processors by Sub-sector
Table 12.25 Automotive Market for DRAM/SRAM by Sub-sector
Table 12.26 Automotive Market for PROM/EPROM/Flash by Sub-sector
Table 12.27 Automotive Market for LEDs by Sub-sector
Table 12.28 Automotive Market for Other Optoelectronics by Sub-sector
Table 13.1 North American Automotive Market for Semiconductors by Sub-sector
Table 13.2 European Automotive Market for Semiconductors by Sub-sector
Table 13.3 Japanese Automotive Market for Semiconductors by Sub-sector
Table 13.4 Chinese Automotive Market for Semiconductors by Sub-sector
Table 13.5 Rest of the World Automotive Market for Semiconductors by Sub-sector

List of Figures
Figure 1 Long Term Evolution of Global OE Automotive Semiconductor Market Compared with Light Vehicle Production
Figure 2 Global Market for OE Automotive Semiconductors by Sub-Sector
Figure 3 Global Automotive Market For Semiconductors
Figure 4 Average Semiconductor Content Per Light Vehicle
Figure 5 Global Market for OE Automotive Semiconductors by Region
Figure 6 Automotive OE System Production Volume Forecast by Sub-Sector
Figure 7 Global Light Vehicle Production by Region
Figure 8 Hybrid Vehicle & Electric Vehicle Production
Ordering:

Order Online - http://www.researchandmarkets.com/reports/3626683/

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct.

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>Automotive Market for Semiconductors - 2016 Edition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web Address:</td>
<td><a href="http://www.researchandmarkets.com/reports/3626683/">http://www.researchandmarkets.com/reports/3626683/</a></td>
</tr>
<tr>
<td>Office Code:</td>
<td>SCH37XDD</td>
</tr>
</tbody>
</table>

Product Format
Please select the product format and quantity you require:

- **Quantity**
  - Electronic (PDF) - Enterprisewide: [ ] USD 8125

Contact Information
Please enter all the information below in **BLOCK CAPITALS**

<table>
<thead>
<tr>
<th>Title:</th>
<th>Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name:</td>
<td>_____________________________</td>
</tr>
<tr>
<td>Email Address: *</td>
<td>____________________________________________</td>
</tr>
<tr>
<td>Job Title:</td>
<td>____________________________________________</td>
</tr>
<tr>
<td>Organisation:</td>
<td>____________________________________________</td>
</tr>
<tr>
<td>Address:</td>
<td>____________________________________________</td>
</tr>
<tr>
<td>City:</td>
<td>____________________________________________</td>
</tr>
<tr>
<td>Postal / Zip Code:</td>
<td>____________________________________________</td>
</tr>
<tr>
<td>Country:</td>
<td>____________________________________________</td>
</tr>
<tr>
<td>Phone Number:</td>
<td>____________________________________________</td>
</tr>
<tr>
<td>Fax Number:</td>
<td>____________________________________________</td>
</tr>
</tbody>
</table>

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:

Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

<table>
<thead>
<tr>
<th>Account number</th>
<th>833 130 83</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sort code</td>
<td>98-53-30</td>
</tr>
<tr>
<td>Swift code</td>
<td>ULSBIE2D</td>
</tr>
<tr>
<td>IBAN number</td>
<td>IE78ULSB98533083313083</td>
</tr>
<tr>
<td>Bank Address</td>
<td>Ulster Bank, 27-35 Main Street, Blackrock, Co. Dublin, Ireland.</td>
</tr>
</tbody>
</table>

If you have a Marketing Code please enter it below:

Marketing Code: ________________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World