

**Micro Logic Overview 2010:
A Market on the Rebound**

June 2010

ML103-10

© Copyright Semico Research Corp., 2010. All rights reserved.

Reproduction in whole or part is prohibited without the express written permission of Semico.

The contents of this report represent the interpretation and analysis of statistics and information that is generally available to the public or released by responsible agencies or individuals, but is not guaranteed as to its accuracy or completeness.

Table of Contents

Table of Contents.....	i
List of Tables.....	ii
List of Figures	iii
Executive Summary.....	1
Methodology.....	2
Micro Logic Overview.....	3
Microprocessors.....	4
PC Growth Rebound in 2010	4
Microcontrollers	6
Key MCU End Use Market Drivers	7
Digital Signal Processors.....	9
Appendix	A-1

List of Tables

<u>Table 1: Total Micro Logic Sales by Sub-categories</u>	<u>A-2</u>
<u>Table 2: Total Micro Logic Shipments by Sub-categories</u>	<u>A-4</u>
<u>Table 3: Computing Market System Shipments</u>	<u>A-10</u>
<u>Table 4: MPU Shipments by Computing and Embedded Markets</u>	<u>A-12</u>
<u>Table 5: Total Microprocessor Quarterly Sales and Shipments</u>	<u>A-13</u>
<u>Table 6: Total Microcontroller Quarterly Sales and Shipments</u>	<u>A-21</u>
<u>Table 7: Total DSP Quarterly Sales and Shipments</u>	<u>A-40</u>
<u>Table 8: Total Micro Logic Quarterly Sales and Shipments</u>	<u>A-45</u>
<u>Table 9: Total Micro Logic Sales by Geography</u>	<u>A-50</u>

List of Figures

Figure 1: World Wide Micro Logic Sales by Category	A-3
Figure 2: World Wide Micro Logic Shipments by Category	A-5
Figure 3: MCU Sales by Sub-categories	A-6
Figure 4: MCU Shipments by Sub-categories	A-7
Figure 5: World Wide MPU Sales by Sub-category	A-8
Figure 6: World Wide MPU Shipments by Sub-category	A-9
Figure 7: Computing System Shipments	A-11
Figure 8: 32-bit or greater MPU Quarterly Sales and Shipments	A-19
Figure 9: 32-bit or greater MPU Quarterly ASP	A-20
Figure 10: Total MCU Quarterly Sales and Shipments	A-30
Figure 11: Total MCU Quarterly ASP	A-31
Figure 12: 4-bit MCU Quarterly Sales and Shipments	A-32
Figure 13: 4-bit MCU Quarterly ASP	A-33
Figure 14: 8-bit MCU Quarterly Sales and Shipments	A-34
Figure 15: 8-bit MCU Quarterly ASP	A-35
Figure 16: 16-bit MCU Quarterly Sales and Shipments	A-36
Figure 17: 16-bit MCU Quarterly ASP	A-37
Figure 18: 32-bit+ MCU Quarterly Sales and Shipments	A-38
Figure 19: 32-bit+ MCU Quarterly ASP	A-39
Figure 20: DSP Quarterly Sales and Shipments	A-43
Figure 21: DSP Quarterly ASP	A-44
Figure 22: Total Micro Logic Quarterly Sales and Shipments	A-48
Figure 23: Total Micro Logic Quarterly ASP	A-49

Figure 24: Micro Logic Sales by Region A-54
Figure 25: MPU Sales by Region A-55
Figure 26: MCU Sales by Region A-56
Figure 27: DSP Sales by Region A-57