

Table 996. Semiconductors, Electronic Components, and Semiconductor Manufacturing Equipment—Value of Shipments: 2004 to 2008

[In millions of dollars (9,728 represents \$9,728,000,000)]

Product description	Product code	2004	2005	2006	2007	2008
Semiconductor machinery	3332950	(NA)	9,728	12,598	13,190	10,064
Transmitting, industrial, and special purpose electron tubes ¹	3344111	641	652	690	734	792
Receiving type electron tubes ²	3344114	1,049	621	216	(D)	(D)
Electron tube parts	3344117	78	72	49	36	31
Bare printed circuit boards	3344120	4,709	4,856	4,933	4,443	4,547
Integrated microcircuits ³	3344131	60,097	61,631	54,963	41,271	35,013
Transistors	3344134	656	603	679	599	401
Diodes and rectifiers	3344137	305	372	467	457	457
Other semiconductor devices ⁴	334413A	7,247	8,330	10,483	10,176	9,122
Capacitors for electronic circuitry	3344140	1,184	1,113	1,064	945	937
Resistors for electronic circuitry	3344150	744	653	660	645	720
Electronic coils, transformers, and other inductors	3344160	1,116	1,216	1,231	1,393	1,389
Connectors for electronic circuitry	3344170	3,416	3,589	3,980	4,189	3,994
Printed circuit assemblies, loaded boards and modules ⁵	334418B	19,566	20,106	19,591	20,382	19,999
Crystals, filters, piezoelectric, and other related electronic devices ⁶	3344191	654	779	754	689	648
All other miscellaneous transducers ⁷	3344194	1,495	1,401	1,323	1,466	1,439
Switches, mechanical types for electronic circuitry	3344197	716	794	645	662	732
Microwave components and devices ⁸	334419A	1,326	1,306	1,470	1,541	1,460
All other miscellaneous electronic components	334419E	4,158	4,040	4,346	4,831	4,609

NA Not available. ¹ Except X-ray. ² Including cathode ray (new and rebuilt). ³ Includes semiconductor networks, microprocessors, and MOS memories. ⁴ Includes semiconductor parts such as chips, wafers, and heat sinks. ⁵ Printed circuit boards with inserted electronic components. ⁶ Except microwave filters. ⁷ Includes electrical-electronic input/output transducers. ⁸ Except antennae, tubes, and semiconductors

Source: U.S. Census Bureau, Current Industrial Reports, "Semiconductors, Electronic Components, and Semiconductor Manufacturing Equipment," Series MA334Q (published August 2009); <http://www.census.gov/manufacturing/cir/historical_data/ma334q/index.html>.