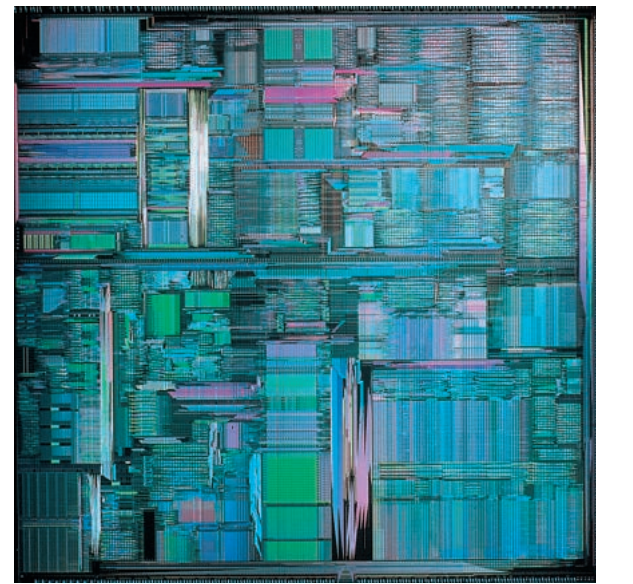
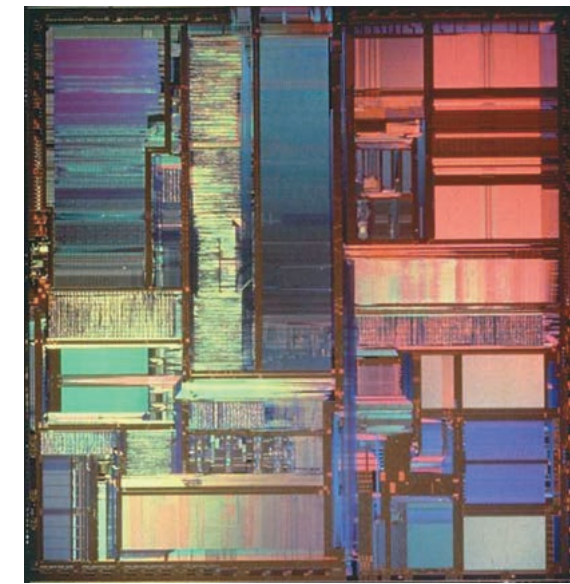
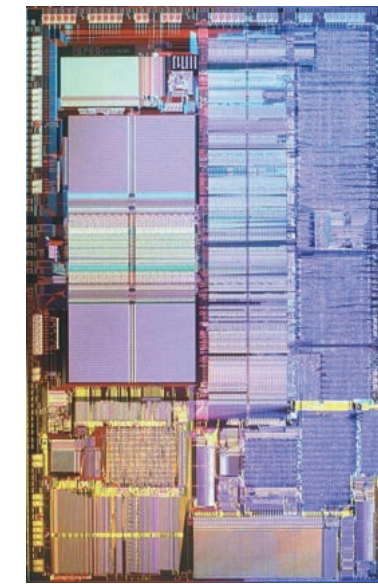
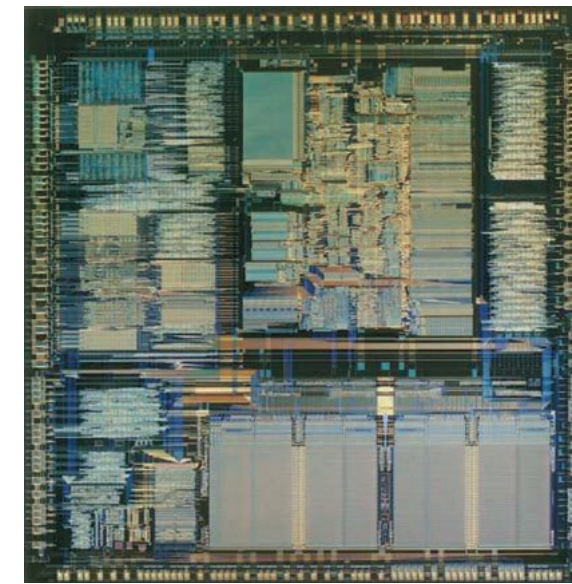
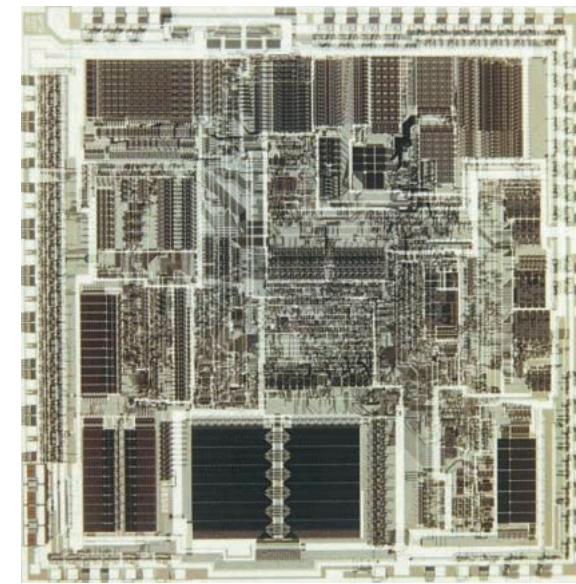
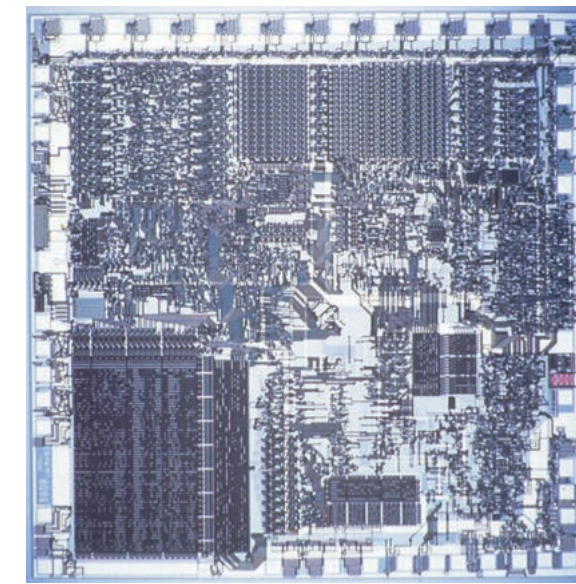
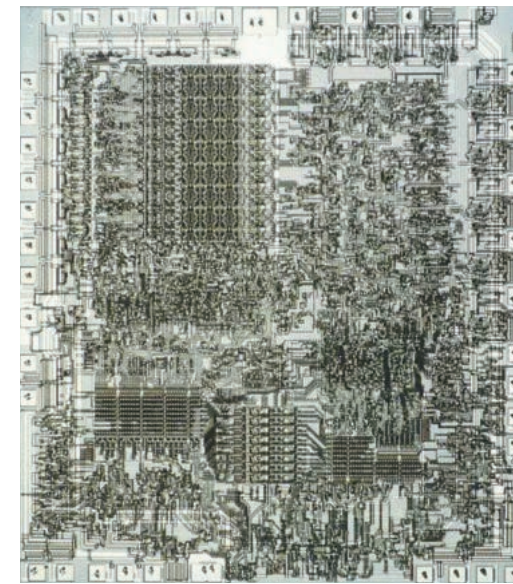
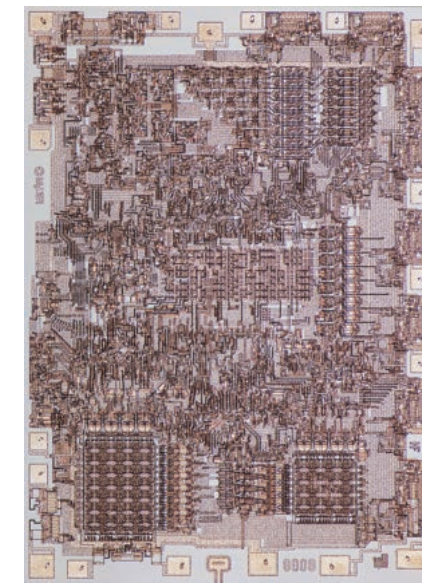
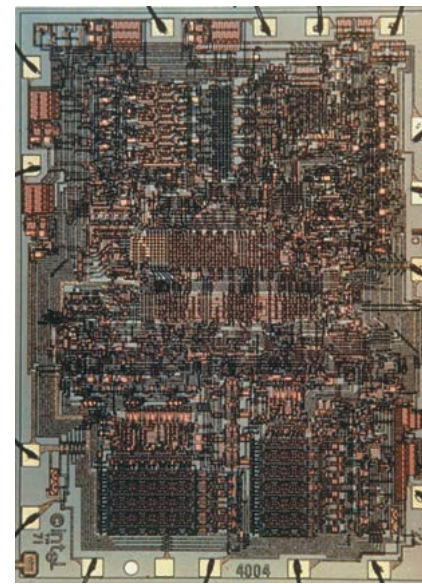


Intel Chips

Throughout Intel's history, new and improved technologies have transformed the human experience.

Decades of Intel chips, including the 22nm 3rd generation Intel® Core™ processor with its revolutionary 3-D Tri-Gate transistors, illustrate Intel's unwavering commitment to delivering technology and manufacturing leadership to the devices you use every day. As you advance through the chart, the benefits of Moore's Law, which states that the number of transistors roughly doubles every couple of years, are evident as Intel increases transistor density and innovates the architecture designs that deliver more complex, powerful, and energy-efficient chips that transform the way we work, live, and play.



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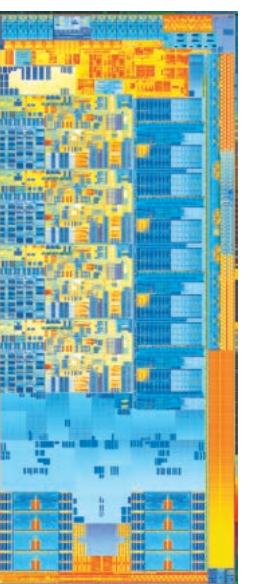
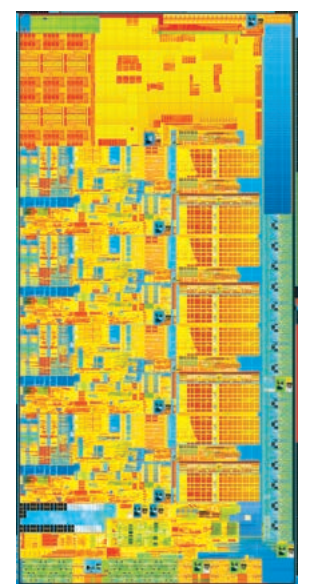
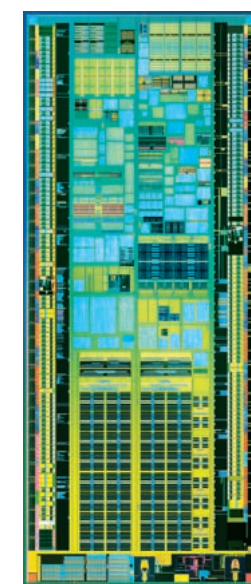
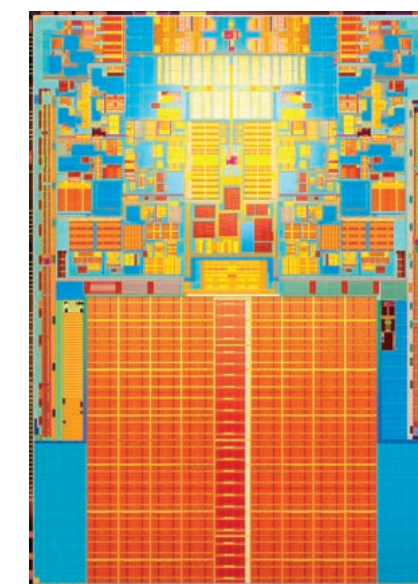
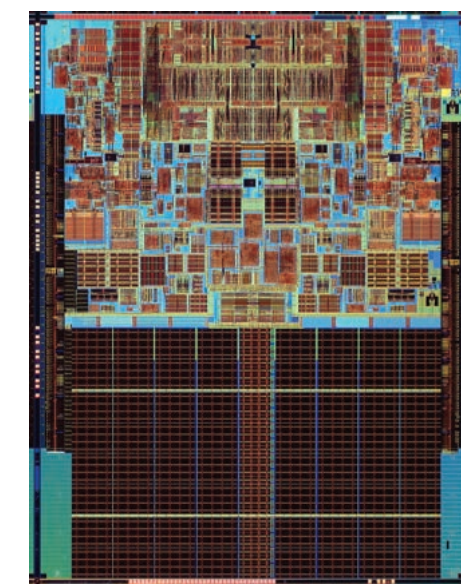
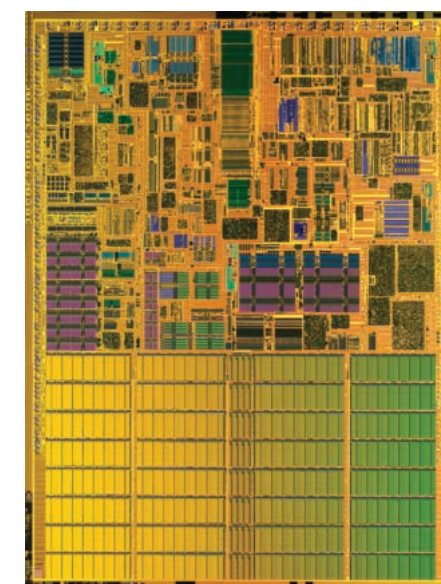
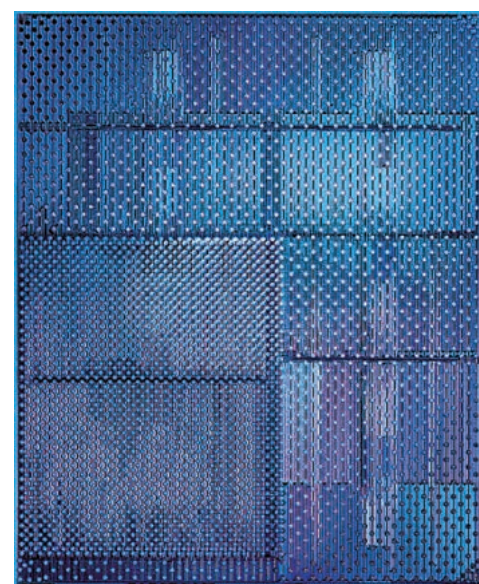
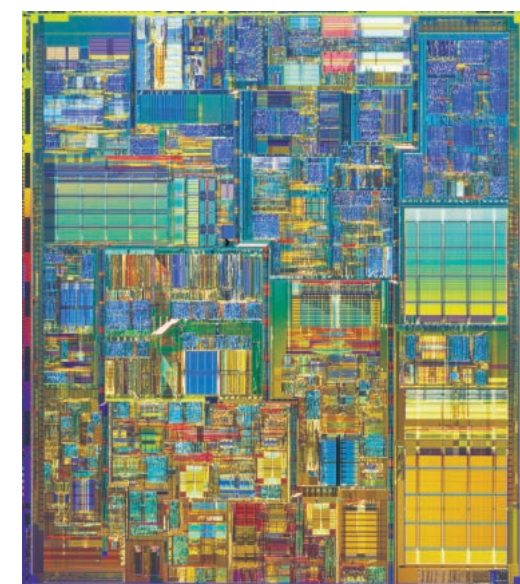
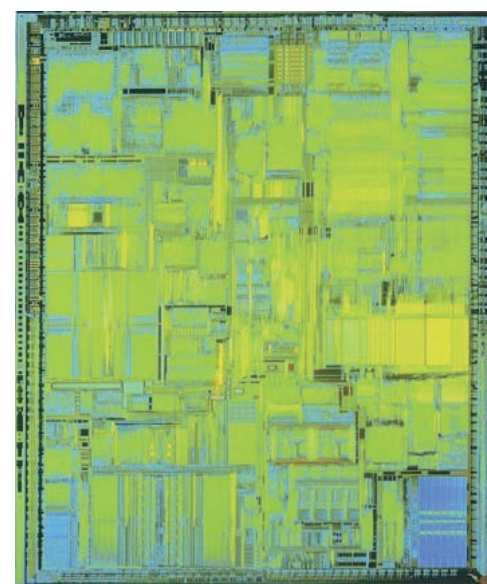
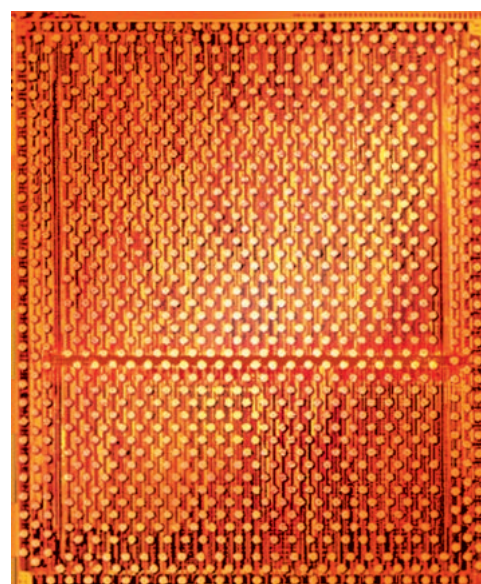
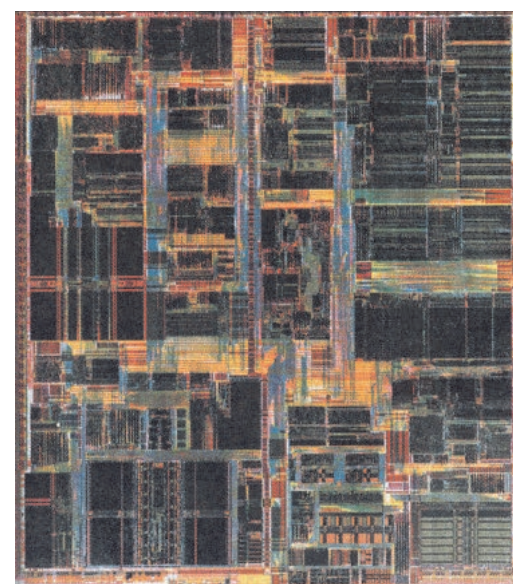
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20

1

1971
Intel® 4004
processor

Initial clock speed:
108KHz
Transistors:
2,300
Manufacturing technology:
10 micron

2

1972
Intel® 8008
processor

Initial clock speed:
600KHz
Transistors:
3,500
Manufacturing technology:
10 micron

3

1974
Intel® 8080
processor

Initial clock speed:
2MHz
Transistors:
4,500
Manufacturing technology:
6 micron

4

1978
Intel® 8086
processor

Initial clock speed:
5MHz
Transistors:
29,000
Manufacturing technology:
3 micron

5

1982
Intel® 286™
processor

Initial clock speed:
6MHz
Transistors:
134,000
Manufacturing technology:
1.5 micron

6

1985
Intel®386™
processor

Initial clock speed:
16MHz
Transistors:
275,000
Manufacturing technology:
1.5 micron

7

1989
Intel®486™
processor

Initial clock speed:
25MHz
Transistors:
1.2 million
Manufacturing technology:
1 micron

8

1993
Intel® Pentium®
processor

Initial clock speed:
66MHz
Transistors:
3.1 million
Manufacturing technology:
0.8 micron

9

1995
Intel® Pentium®
Pro processor

Initial clock speed:
200MHz
Transistors:
5.5 million
Manufacturing technology:
0.35 micron

10

1997
Intel® Pentium® II
processor

Initial clock speed:
300MHz
Transistors:
7.5 million
Manufacturing technology:
0.25 micron

11

1998
Intel® Celeron®
processor

Initial clock speed:
266MHz
Transistors:
7.5 million
Manufacturing technology:
0.25 micron

12

1999
Intel® Pentium® III
processor

Initial clock speed:
600MHz
Transistors:
9.5 million
Manufacturing technology:
0.25 micron

13

2000
Intel® Pentium® 4
processor

Initial clock speed:
1.5GHz
Transistors:
42 million
Manufacturing technology:
0.18 micron

14

2001
Intel® Xeon®
processor

Initial clock speed:
1.7GHz
Transistors:
42 million
Manufacturing technology:
0.18 micron

15

2003
Intel® Pentium® M
processor

Initial clock speed:
1.7GHz
Transistors:
55 million
Manufacturing technology:
90nm

16

2006
Intel® Core™2 Duo
processor

Initial clock speed:
2.66GHz
Transistors:
291 million
Manufacturing technology:
65nm

17

2008
Intel® Core™2 Duo
processor

Initial clock speed:
2.4GHz
Transistors:
410 million
Manufacturing technology:
45nm

18

2008
Intel® Atom™
processor

Initial clock speed:
1.86GHz
Transistors:
47 million
Manufacturing technology:
45nm

19

2010
2nd generation Intel®
Core™ processor

Initial clock speed:
3.8GHz
Transistors:
1.16 billion
Manufacturing technology:
32nm

20

2012
3rd generation Intel®
Core™ processor

Initial clock speed:
2.9GHz
Transistors:
1.4 billion
Manufacturing technology:
22nm