

600584



2020

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11.23%

180,000,000

180,000,000

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500,000.00

500,000.00

| 36 | 290,074.00 | 266,000.00 |
|-----|-------------------|-------------------|
| 100 | 221,470.00 | 84,000.00 |
| | 511,544.00 | 350,000.00 |
| | 150,000.00 | 150,000.00 |
| | 661,544.00 | 500,000.00 |

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180,000,000

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| | | Semiconductor Manufacturing International Corporation |
| | | 5% |
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| | | |
|-----------------------|--|---|
| PBGA | | Plastic Ball Grid Array |
| LGA | | Land Grid Array |
| QFN | | Quad Flat No-lead |
| Bumping BUMP | | |
| WLP | | Wafer Level Packaging |
| CSP | | Chip Scale Package |
| WLCSP | | Wafer Level Chip Scale Packaging CSP |
| TSV | | Through-Silicon Via |
| SiP | | System in Package |
| eWLB | | Embedded Wafer Level Ball Grid Array |
| FO-WLP Fan-Out WLP | | Fan-Out Wafer Level Package |
| eWLCSP™ | | Embedded Wafer Level Chip Scale Packaging |
| PoP | | Package on Package |

| | |
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| | 1 |
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| | 15 |
|-------|----|

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|-----------|-----------|----|
| 5G | | 15 |
| | 5G | 16 |

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| 36 | | 17 |
| 100 | | 19 |

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| | 21 |
| | 23 |

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2020 -2022

.....37

JCET Group Co., Ltd.

78

1,602,874,555

600584.SH

“ ”

WLP 2.5D / 3D

SiP

Flip Chip

7,562.3 2010 2019 20.38%, 1,424

2010 700 2019 2,300
14.13%

5G

224.1 Accenture 2026 5G

234.46 2019 2020

10 13.8%

A 1.00

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A

$$\div \frac{20}{20} = 20$$

$$P1 = \frac{P0}{1+N} \quad P1 = \frac{P0 - D}{1+N}$$

$$180,000,000 \quad 11.23\% \quad 180,000,000$$

2

500,000.00

500,000.00

| | | |
|-----|-------------------|-------------------|
| | | |
| 36 | 290,074.00 | 266,000.00 |
| 100 | 221,470.00 | 84,000.00 |
| | 511,544.00 | 350,000.00 |
| | 150,000.00 | 150,000.00 |
| | 661,544.00 | 500,000.00 |

5%

1,602,874,555

19.00%

14.28%

2

180,000,000

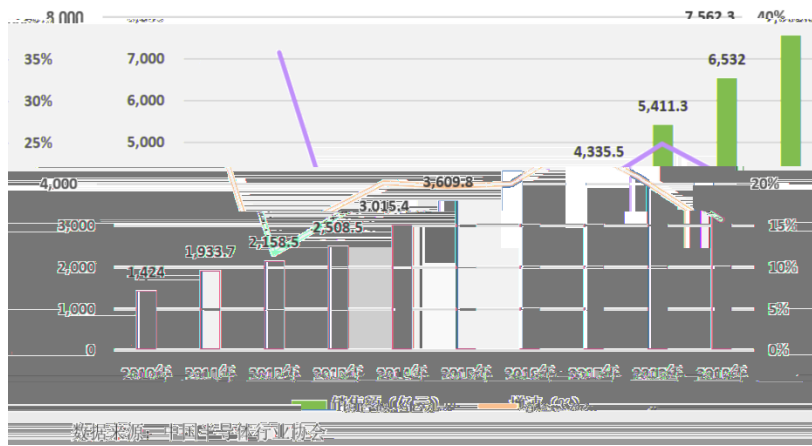
2020 8 19

500,000.00

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| 36 | 290,074.00 | 266,000.00 |
|-----|-------------------|-------------------|
| 100 | 221,470.00 | 84,000.00 |
| | 511,544.00 | 350,000.00 |
| | 150,000.00 | 150,000.00 |
| | 661,544.00 | 500,000.00 |

中国集成电路行业销售额及增速



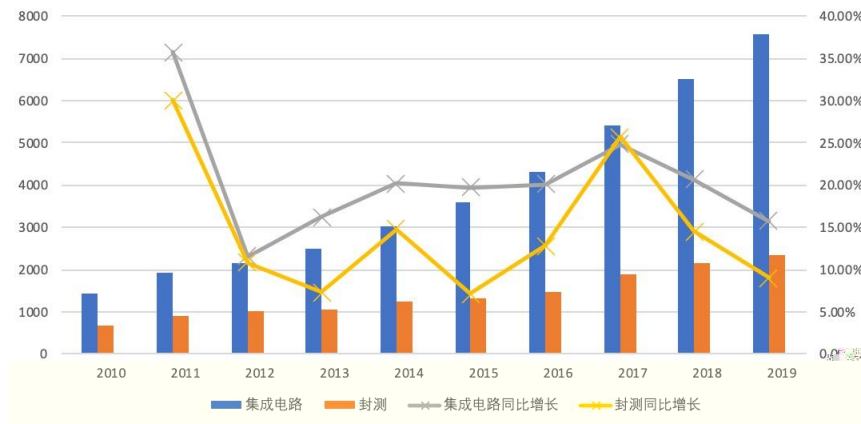
2010 2019

1,424

7,562.3

20.38%,

2010-2019年我国集成电路及封测销售收入趋势图



2010 700

2019 2,300

14.13%

5G

Accenture

2026

5G

224.1

5G

5G

2019 6 6

5G

5G

5G

5G

SiP

Yole

2023

SiP

53

11.3%

SiP QFN BGA

5G

5G

36

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36

DSmBGA BGA LGA QFN

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D3

D3

LGA

BGA SiP

5G

2

Fan-out SiP eWLB WLCSP

BUMP

2G/3G/4G/5G

PA-SiP RFFESiP

QFN-SiP

JSKC

SiP

SiP

8

20

2020

6

30

2458

327

2131

3

5G

multi-site

4

5G

3

290,074

273,441

16,633

4

183,785

39,836

5

6

[2020]72

100

1

100

DFN QFN FC BGA

5

2

| | 2017 | 2018 | 2019 | 2020 | 6 |
|---|----------|---------|--------|----------|--------|
| 3 | | 221,470 | | 210,430 | |
| | 11,040 | | | | |
| 4 | | | | 163,507 | |
| | 21,811 | | | | |
| 5 | | | | | |
| 6 | | | | | |
| | [2018]46 | | | | |
| | | 100 | | | |
| | | | | [2018]18 | |
| 1 | | | | 150,000 | |
| 2 | | | | | |
| 1 | | | | | |
| | 2017 | 2018 | 2019 | 2020 | 6 |
| | | 68.80% | 64.29% | 62.37% | 59.99% |

| | | 2020 6 30 | 2019 12 31 | 2018 12 31 | 2017 12 31 |
|------------------|--|---------------|---------------|---------------|---------------|
| 002156.SZ | | - | 59.76% | 53.45% | 48.48% |
| 603005.SH | | 13.77% | 13.97% | 17.11% | 15.27% |
| 002185.SZ | | - | 38.18% | 48.77% | 35.99% |
| | | - | 37.30% | 39.78% | 33.25% |
| 600584.SH | | 59.99% | 62.37% | 64.29% | 68.80% |

2020 6 30

2

| 2018 | 2019 | 2020 | 1-6 | 2017 |
|------------|-----------|-------|-----------|-----------|
| | | | | 98,285.02 |
| 113,102.51 | 87,011.26 | | 30,288.86 | 4.12% |
| 4.74% | 3.70% | 2.53% | | |

14.28%
1,782,874,555

19.00%
1,602,874,555

180,000,000

| | | | | | | |
|--------|------|------|----|------|------|--------|
| | 2019 | 12 | 31 | | | 62.37% |
| 0.54 | | 0.39 | | 2020 | 6 | 30 |
| 59.99% | | 0.64 | | | 0.45 | |
| | | 1 | | | | |

1

| | | | | |
|-------|-------|------|------|-------|
| | | | 2019 | |
| | WSTS | | 2019 | 4,121 |
| | 12.1% | SIA | 2020 | |
| 2,085 | | 5.2% | | |

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2019

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COVID-19

2020

COVID-19

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| | | | | | |
|--------|------|------------|------------|--------|--------|
| 2 | | | | | |
| | 2015 | | 235,097.90 | 2018 | 2019 |
| | | 36,577.86 | 9,491.09 | 2020 | 6 |
| 30 | | 224,797.28 | | | |
| 3 | | | | | |
| | | | 68.80% | 64.29% | 62.37% |
| 59.99% | | | | | |

| | | | |
|---|-----------|---|------------|
| 4 | | | |
| 5 | | | |
| | 2020 | 6 | 30 |
| | 16,257.68 | | 272,223.31 |
| | | | 13,805.03 |

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1,602,874,555

19.00%

14.28%

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17,456.50

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2017 2019

| 2017 | 3,399.61 | 34,334.68 | 9.90% |
|------|----------|------------|-------------------|
| 2018 | - | -93,931.53 | 0.00% |
| 2019 | - | 8,866.34 | 0.00% |
| | | | -16,910.17 |
| | | | - |

2020 -2022

[2012]37

3 —

[2013]43

2020-2022

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2020-2022

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2020-2022

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20%

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2020-2022

| | | | |
|------------|---------------|---------------|---------------|
| | | 1,602,874,555 | |
| | 180,000,000 | | |
| | 1,782,874,555 | | |
| | | | 2020 |
| 1 | | | |
| 2 | | 2020 | 11 |
| 3 | | | 180,000,000 |
| 500,000.00 | | | |
| 4 | | | 1,602,874,555 |
| 5 | 2019 | 8,866.34 | 2020 |
| | | 2019 | 10% |
| | | | 10% |

6

7

8 2020

2020

2020

1

| | 2019 /2019-12-31 | 2020 /2020-12-31 | |
|---------------|---------------------|------------------|---------------|
| | | | |
| | 1,602,874,555 | 1,602,874,555 | 1,782,874,555 |
| 1 2020 | | 10.00% | |
| | 8,866.34 | 7,979.71 | 7,979.71 |
| | -79,284.49 | -87,212.94 | -87,212.94 |
| | 0.71% | 0.63% | 0.61% |
| | 0.06 | 0.05 | 0.05 |
| | 0.06 | 0.05 | 0.05 |
| | -6.36% | -6.88% | -6.67% |
| | -0.49 | -0.54 | -0.54 |
| | -0.49 | -0.54 | -0.54 |
| 2 2020 | | | |
| | 8,866.34 | 8,866.34 | 8,866.34 |
| | -79,284.49 | -79,284.49 | -79,284.49 |

| | | | |
|--|-------|-------|-------|
| | 0.71% | 0.70% | 0.68% |
| | 0.06 | 0.06 | 0.05 |
| | 0.06 | 0.06 | 0.05 |



| | | | |
|--|-------|-------|-------|
| | 0.71% | 0.77% | 0.74% |
| | 0.06 | 0.06 | 0.06 |
| | 0.06 | 0.06 | 0.06 |

$$\begin{aligned}
 & 1 \quad - \quad = \quad + \\
 & 2 \quad - \quad + \quad = \quad + \\
 & 3 \quad = \quad / \\
 & 4 \quad = \frac{P_0 \div S}{S} \quad \frac{S=S_0 \quad S_1 \quad S_i \times M_i \div M_0 - S_j \times M_j \div M_0 - S_k}{S_0} \quad \frac{P_0}{S_1} \\
 & \quad \quad \quad S_j \quad \quad \quad S_k \quad \quad \quad M_0 \quad \quad \quad M_i \\
 & \quad \quad \quad \quad \quad \quad \quad M_j \\
 & 5 \quad = \frac{P_0}{(E_0 \quad NP \div 2 \quad E_i \times M_i \div M_0 - E_j \times M_j \div M_0 \pm E_k \times M_k \div M_0)} \\
 & P_0 \quad \quad \quad NP \quad \quad \quad E_0 \\
 & \quad \quad \quad E_i \\
 & \quad \quad \quad E_j \quad \quad \quad M_i \quad \quad \quad M_j \\
 & \quad \quad \quad M_0 \quad \quad \quad \quad \quad \quad \quad E_k \\
 & \quad \quad \quad \quad \quad \quad \quad M_k
 \end{aligned}$$

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Fan-out

SiP eWLB WLCSP BUMP

1 36

36 DSmBGA

BGA LGA QFN 2 100

100 DFN QFN FC BGA

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2015

2

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2020 6 30

2,458

327

2,131

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TOP10

5G

5G

5G

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2020

13.8%

2

68.80% 64.29% 62.37% 59.99%

36

100

2020

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2

3

4

2 —

5

[2012]37

3 ———

[2013]43

2020-2022

6

[2014]17

[2013]110

[2015]31

“1

2

3

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6

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