



China

ADD (no change)

Consensus ratings*: Buy 39 Hold 2 Sell 0

Current price: Rmb150.5

Target price: Rmb221.0

Previous target: Rmb345.0 Up/downside: 46.8% CGS-CIMB / Consensus: -13.5%

 Reuters:
 603501.SS

 Bloomberg:
 603501 CH

 Market cap:
 US\$19,948m

Rmb131,975m Average daily turnover: US\$227.0m

Rmb1,456m

Current shares o/s: 875.7m
Free float: 51.8%
*Source: Bloomberg

Key changes in this note

No changes.



| | | Source: E | Bloomberg |
|-------------------|-------|-----------|-----------|
| Price performance | 1M | ЗМ | 12M |
| Absolute (%) | -23.5 | -40.8 | -50.7 |
| Relative (%) | -18.6 | -31.4 | -38.4 |

| Major shareholders | % held |
|------------------------------------|--------|
| Yu Renrong (Chairman) | 31.9 |
| Zhaoqing Will Semiconductor Equity | 9.2 |
| Qingdao Rongtong Minhe | 7.1 |

Will Semiconductor Ltd-A

Strong auto CIS and TDDI business

- 1Q22 net profit fell 14% yoy to Rmb896m due to pandemic challenges. We expect strong earnings recovery in 2Q22F on easing Omicron in China.
- We expect overall revenue to rise c.22% yoy to Rmb29bn in FY22F, driven by auto CIS, TDDI and recovery of handset CIS.
- Reiterate Add. We lower our TP to Rmb221.0 to reflect weakened China smartphone market, now based on 32x FY23F P/E (previously 50x FY22F).

Sluggish market sentiment dragged down 1Q22 revenue

Will Semi announced weaker than expected 1Q22 results due to the sluggish China smartphone market and supply chain constraints amid the Omicron outbreak in China. Revenue decreased c.11% yoy to Rmb5.54bn in 1Q22 as it was dampened by low smartphone CIS demand and ongoing pandemic challenges. Gross profit margin (GPM) expanded by 290bp yoy to 35.3%, thanks to higher proportion of auto CIS and TDDI. 1Q22 net profit dropped c.14% yoy to Rmb896m, formed 17% of our full-year FY22F forecast. We deem it as in line as we expect a strong earnings recovery in 2Q22F (+50% qoq to Rmb1.3bn) due to robust shipments on high-margin auto CIS and high-end smartphone CIS. This is thanks to improving supply chain constraints amid decreasing Omicron cases.

Recovering high margin segments could be potential catalysts

Market research company Yole estimates global auto CIS market size at US\$1.6bn in 2021. Will Semi's auto revenue jumped 130% yoy to Rmb2.3bn in FY21, making Will Semi the 2nd biggest auto CIS producer in the global market. We expect Will Semi auto CIS revenue to rise over 50% in FY22F, driven by the fast-growing ADAS market and rapidly-growing Chinese EV market. Will Semi now offers a wide range of applications, from VGA to 8MP in-cabin CIS and front-view CIS to cater to the US and EU tier-1 automakers. Meanwhile, Touch and Display Driver integration (TDDI) segment revenue rose 160% yoy to over Rmb1.8bn in FY21. We expect TDDI business revenue to rise over 50% in FY22F with a stable GPM of c.55% due to production for BOE and Tianma commencing in 4Q21, and mass production of Display Driver IC (DDIC) for OLED displays in 2H22F.

Dependable profitability in FY22F from auto CIS and TDDI

We expect total revenue to rise c.22% yoy to Rmb29bn in FY22F, driven by 1) robust auto CIS shipment output, 2) new customers and new product launches in TDDI business, and 3) recovering handset CIS in 2H22F. We expect overall GPM to stay at c.34% in FY22F, supported by better product mix in handset CIS and higher contribution from auto CIS and TDDI.

Reiterate Add with a lower target price of Rmb221.0

We keep our Add call due to sustainable market share gains in handset and auto CIS, thanks to new product launches and significant semi-localisation trend. Our EPS forecasts are intact as we expect strong earnings recovery in 2Q22F due to Omicron easing in China and accelerating automotive CIS demand in 2H22F due to chip supply improving. We cut our target price to Rmb221.0, now based on 32x FY23F P/E (previously 50x FY22F) to reflect the weakened smartphone demand and supply chain disruption in China caused by Omicron infections. Re-rating catalysts include fewer Covid cases in China, sustained auto CIS market share gains and stable GPM in CIS and TDDI businesses. Downside risks: higher production costs and keener competition in CIS.

Analyst



Ray KWOK T (852) 2532 1113 E ray.kwok@cgs-cimb.com

| Financial Summary | Dec-20A | Dec-21A | Dec-22F | Dec-23F | Dec-24F |
|--------------------------------------|---------|---------|---------|---------|---------|
| Revenue (Rmbm) | 19,824 | 24,104 | 29,080 | 33,023 | 37,551 |
| Net Profit (Rmbm) | 2,706 | 4,476 | 4,940 | 6,049 | 7,144 |
| Normalised EPS (Rmb) | 3.13 | 5.11 | 5.64 | 6.91 | 8.16 |
| Normalised EPS Growth | 481% | 63% | 10% | 22% | 18% |
| FD Normalised P/E (x) | 48.03 | 29.46 | 26.68 | 21.79 | 18.45 |
| Price To Sales (x) | 6.56 | 5.47 | 4.53 | 3.99 | 3.51 |
| DPS (Rmb) | 0.32 | 0.52 | 0.57 | 0.70 | 0.83 |
| Dividend Yield | 0.21% | 0.35% | 0.38% | 0.47% | 0.55% |
| EV/EBITDA (x) | 34.88 | 23.09 | 18.94 | 15.11 | 12.41 |
| P/FCFE (x) | 65.53 | 67.61 | 37.00 | 25.47 | 21.57 |
| Net Gearing | 6.5% | 12.1% | (3.6%) | (18.8%) | (30.1%) |
| P/BV (x) | 11.57 | 8.14 | 6.22 | 4.90 | 3.91 |
| ROE | 28.2% | 32.6% | 26.4% | 25.2% | 23.6% |
| % Change In Normalised EPS Estimates | | | 0.031% | 0.031% | |
| Normalised EPS/consensus EPS (x) | | | 0.89 | 0.85 | 0.84 |

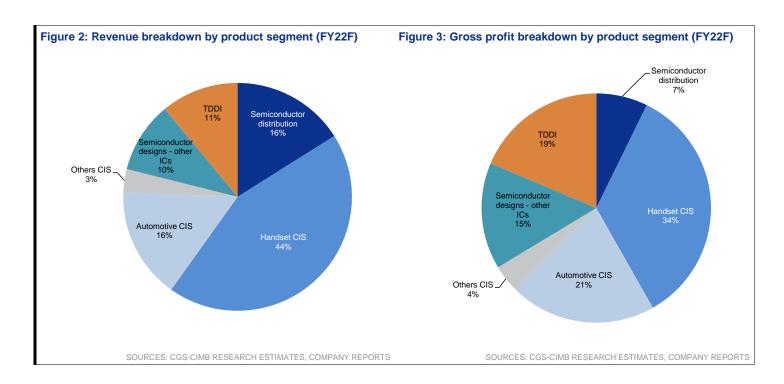
SOURCES: CGS-CIMB RESEARCH, COMPANY REPORTS

and

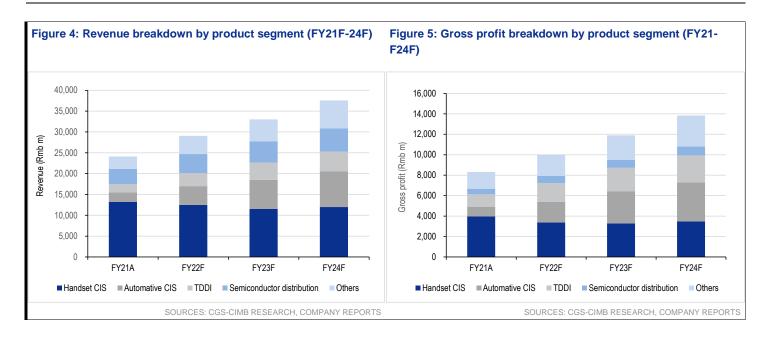


Strong auto CIS and TDDI business

| Figure 1: Results co | mparison | | | | | |
|----------------------|----------|---------|---------|--------|----------|--|
| FYE 31 Dec (Rmb m) | 1QFY22 | 1QFY21 | yoy % | qoq % | Prev. | |
| | | | chg | chg | FY22F | Comments |
| Revenue | 5,538 | 6,212 | (10.8) | (4.3) | 30,780 | 1Q22 revenue decreased 11% yoy, impacted by the sluggish smartphone |
| Operating costs | (4,319) | (4,892) | (11.7) | (4.7) | (24,200) | market and the ongoing pandemic challenges. |
| EBITDA | 1,220 | 1,320 | (7.6) | (3.1) | 6,580 | |
| EBITDA margin (%) | 22.0 | 21.3 | | | 21.4 | 1Q22 GPM expanded 290bp yoy (-120bp qoq) to 35.3%, driven by the increased |
| Depn & amort. | (93) | (84) | 10.4 | 130.2 | (425) | proportion of high margin products (auto CIS and high-ended smartphone CIS). |
| EBIT | 1,127 | 1,236 | (8.8) | (7.5) | 6,155 | |
| Interest expense | (92) | (102) | N/M | (17.0) | (301) | |
| Interest & invt inc | (102) | 43 | (339.3) | 347.3 | 207 | |
| Associates' contrib | - | - | N/M | N/M | - | |
| Exceptionals | - | - | N/M | N/M | - | |
| Pretax profit | 933 | 1,176 | (20.7) | (14.5) | 6,061 | |
| Tax | (44) | (98) | (54.8) | (65.1) | (727) | |
| Tax rate (%) | 4.7 | 8.3 | | | 12.0 | |
| Minority interests | 7 | (38) | N/M | N/M | (189) | |
| Net profit | 896 | 1,041 | (13.9) | (6.4) | 5,144 | 1Q22 net profit decreased 14% yoy to Rmb896m due to weak handset CIS. |
| Core net profit | 896 | 1,041 | (13.9) | (6.7) | 5,144 | 1Q22 net profit formed 17% of our full-year FY22F forecast. |
| EPS (Rmb cts) | 103.8 | 120.5 | (13.9) | (6.4) | 595.6 | We deem this to be in line as we expect strong results in 2Q22F and 2H22F. |
| Core EPS (Rmb cts) | 103.8 | 120.5 | (13.9) | (6.7) | 595.6 | |
| | | | | | | SOURCES: CGS-CIMB RESEARCH, COMPANY REPORTS |







| | | | | Target | Market | | | EPS | | | | | | | | |
|---------------------------|-----------|-----------|--------------|--------------|----------|---------|---------|----------|---------|---------|-----------|---------|---------|---------|----------|------------|
| | Bloomberg | | Price | Price | Cap | P/E | (x) | CAGR (%) | P/BV | (x) | Recurring | ROE (%) | EV/EBI1 | TDA (x) | Dividend | l Yield (% |
| Company | Ticker | Recom. | (local curr) | (local curr) | (US\$ m) | CY2022F | CY2023F | CY21-24F | CY2022F | CY2023F | CY2022F | CY2023F | CY2022F | CY2023F | CY2022F | CY2023 |
| China IC design company | | | | | | | | | | | | | | | | |
| GigaDevice | 603986 CH | Not Rated | 124.81 | N/A | 12,639 | 29.1 | 23.1 | 25.4% | 5.4 | 4.5 | 19.6% | 20.1% | 23.7 | 18.4 | 1.0% | 1.29 |
| Guoxin Microelectronics | 002049 CH | Not Rated | 183.00 | N/A | 16,849 | 38.8 | 27.6 | 37.1% | 11.5 | 8.2 | 29.5% | 29.6% | N/A | N/A | 0.2% | 0.29 |
| Maxscend | 300782 CH | Not Rated | 185.52 | N/A | 9,389 | 24.5 | 18.9 | 18.7% | 7.4 | 5.5 | 32.8% | 30.7% | 20.7 | 15.6 | 0.7% | 0.9% |
| Montage Technology | 688008 CH | Not Rated | 58.05 | N/A | 9,977 | 48.5 | 33.9 | 52.7% | 6.6 | 5.7 | 14.2% | 17.1% | 49.2 | 30.2 | 0.7% | 1.09 |
| Shenzhen Goodix Technolog | 603160 CH | Reduce | 56.49 | 92.00 | 3,927 | 20.9 | 18.0 | N/A | 2.4 | 2.1 | 12.5% | 12.6% | 19.2 | 14.5 | 0.6% | 0.79 |
| Will Semiconductor | 603501 CH | Add | 150.50 | 221.00 | 20,003 | 26.7 | 21.8 | 15.9% | 6.2 | 4.9 | 27.0% | 25.2% | 18.6 | 15.2 | 0.4% | 0.5% |
| Average | | | | | | 31.4 | 23.9 | 33.5% | 6.7 | 5.2 | 21.7% | 22.0% | 28.2 | 19.7 | 0.6% | 0.89 |
| Global IC design company | | | | | | | | | | | | | | | | |
| MediaTek | 2454 TT | Not Rated | 830.00 | N/A | 45,086 | 10.2 | 9.8 | 10.3% | 2.9 | 2.8 | 30.3% | 30.1% | 7.6 | 7.1 | 8.8% | 9.49 |
| Infineon | IFX GR | Not Rated | 27.82 | N/A | 38,420 | 16.4 | 15.3 | 21.5% | 2.8 | 2.5 | 17.1% | 16.4% | 9.3 | 8.4 | 1.2% | 1.39 |
| AMD | AMD US | Not Rated | 89.64 | N/A | 145,231 | 22.0 | 18.8 | 33.9% | 14.1 | 8.5 | 54.5% | 44.8% | 18.4 | 15.9 | 0.0% | 0.09 |
| Intel | INTL US | Not Rated | 46.84 | N/A | 191,515 | 13.5 | 13.2 | -8.1% | 1.8 | 1.8 | 14.2% | 14.7% | 6.8 | 6.4 | 3.1% | 3.29 |
| NVIDIA | NVDA US | Not Rated | 197.82 | N/A | 495,344 | 45.5 | 34.8 | 40.4% | 18.7 | 13.7 | 47.7% | 43.3% | 38.9 | 28.3 | 0.1% | 0.19 |
| Qualcomm | QCOM US | Not Rated | 148.19 | N/A | 165,973 | 11.9 | 11.3 | 14.8% | 9.9 | 6.5 | 98.2% | 63.2% | 9.1 | 8.8 | 1.9% | 2.0% |
| Average | | | | | | 19.9 | 17.2 | 18.8% | 8.4 | 6.0 | 43.7% | 35.4% | 15.0 | 12.5 | 2.5% | 2.79 |





Refinitiv ESG Scores













ESG in a nutshell

In 2020, Will received an overall ESG score of 33.38 (Grade C) from Refinitiv, up 19.2% yoy. Among the pillars, use of materials, workplace satisfaction, and corporate governance contributed most to its ESG performance. Also, the company

| Keep your eye on | Implications |
|--|--|
| in any environmentally-detrimental industry practices and to operations. | akes the effort to minimise the environmental impact of its |
| has a controversies score of 100 (Grade A+), implying no sign | gnificant ESG controversies. In our view, Will is not involved |

In the past two years, Will showed relatively greater By category and on average, shareholders, management, performance in the Government pillar, compared to Environment and Social pillars.

and CSR strategy were its three best performing categories over the past two years while environmental innovation, community, and emissions were its three laggard categories over the same period.

ESG highlights

Will's combined ESG score was mainly driven by its relative ranking against its peers, and changes in its underlying data as reported by the company.

Implications

Will's ESG score changed from previous year's 14.18 to this year's 33.38, improving materially, driven by changes in nine of the 10 ESG categories.

Trends

Will's Environmental pillar recorded a huge improvement in 2020, especially in energy and water use. Social and Governance pillars also achieved incredible performance with double-digit growth in over half of the metrics.

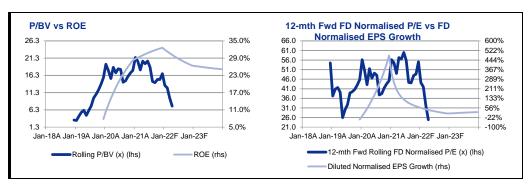
Implications

Its best scores under the Environmental pillar were total energy use to revenues (in US\$ million) at 94.21 and water use to revenues (in US\$ million) at 99.46. Under the Social pillar, the metric with the highest score was salary Gap (87.07), followed by internal promotion (83.33). Under the Governance pillar, the best-performing metric was GRI report guidelines (82.11), followed by board gender diversity (77.35).

SOURCES: CGS-CIMB RESEARCH, REFINITI'



BY THE NUMBERS



| (Rmbm) | Dec-20A | Dec-21A | Dec-22F | Dec-23F | Dec-24F |
|----------------------------------|---------|---------|---------|---------|---------|
| Total Net Revenues | 19,824 | 24,104 | 29,080 | 33,023 | 37,551 |
| Gross Profit | 5,930 | 8,314 | 9,995 | 11,897 | 13,831 |
| Operating EBITDA | 3,755 | 5,795 | 6,922 | 8,389 | 9,806 |
| Depreciation And Amortisation | (718) | (815) | (891) | (994) | (1,095) |
| Operating EBIT | 3,037 | 4,980 | 6,030 | 7,394 | 8,711 |
| Financial Income/(Expense) | (36) | 38 | (322) | (412) | (469) |
| Pretax Income/(Loss) from Assoc. | (10) | (18) | 0 | 0 | 0 |
| Non-Operating Income/(Expense) | 0 | 0 | 0 | 0 | 0 |
| Profit Before Tax (pre-El) | 2,991 | 5,000 | 5,709 | 6,983 | 8,242 |
| Exceptional Items | 0 | 2 | 0 | 0 | 0 |
| Pre-tax Profit | 2,991 | 5,002 | 5,709 | 6,983 | 8,242 |
| Taxation | (308) | (456) | (685) | (838) | (989) |
| Exceptional Income - post-tax | | | | | |
| Profit After Tax | 2,683 | 4,546 | 5,024 | 6,145 | 7,253 |
| Minority Interests | 23 | (70) | (84) | (95) | (109) |
| Preferred Dividends | | | | | |
| FX Gain/(Loss) - post tax | | | | | |
| Other Adjustments - post-tax | | | | | |
| Preference Dividends (Australia) | | | | | |
| Net Profit | 2,706 | 4,476 | 4,940 | 6,049 | 7,144 |
| Normalised Net Profit | 2,683 | 4,544 | 5,024 | 6,145 | 7,253 |
| Fully Diluted Normalised Profit | 2,706 | 4,474 | 4,940 | 6,049 | 7,144 |

| Cash Flow | | | | | |
|----------------------------------|---------|---------|---------|---------|---------|
| (Rmbm) | Dec-20A | Dec-21A | Dec-22F | Dec-23F | Dec-24F |
| EBITDA | 3,755 | 5,795 | 6,922 | 8,389 | 9,806 |
| Cash Flow from Invt. & Assoc. | | | | | |
| Change In Working Capital | (1,307) | (2,620) | (1,706) | (1,177) | (1,428) |
| (Incr)/Decr in Total Provisions | | | | | |
| Other Non-Cash (Income)/Expense | | | | | |
| Other Operating Cashflow | 1,133 | (569) | 195 | 120 | 76 |
| Net Interest (Paid)/Received | (297) | (410) | (528) | (548) | (569) |
| Tax Paid | (236) | (414) | (685) | (838) | (989) |
| Cashflow From Operations | 3,048 | 1,782 | 4,198 | 5,946 | 6,896 |
| Capex | (1,133) | (1,122) | (1,000) | (1,150) | (1,180) |
| Disposals Of FAs/subsidiaries | 0 | 0 | 0 | 0 | 0 |
| Acq. Of Subsidiaries/investments | (1,163) | (302) | 0 | 0 | 0 |
| Other Investing Cashflow | (335) | (1,475) | 0 | 0 | 0 |
| Cash Flow From Investing | (2,631) | (2,899) | (1,000) | (1,150) | (1,180) |
| Debt Raised/(repaid) | 1,567 | 3,066 | 364 | 379 | 394 |
| Proceeds From Issue Of Shares | 0 | 0 | 0 | 0 | 0 |
| Shares Repurchased | | | | | |
| Dividends Paid | (413) | (569) | (455) | (503) | (615) |
| Preferred Dividends | | | | | |
| Other Financing Cashflow | 977 | 846 | 0 | 0 | 0 |
| Cash Flow From Financing | 2,131 | 3,343 | (91) | (123) | (221) |
| Total Cash Generated | 2,548 | 2,226 | 3,107 | 4,672 | 5,495 |
| Free Cashflow To Equity | 1,984 | 1,949 | 3,563 | 5,175 | 6,111 |
| Free Cashflow To Firm | 713 | (707) | 3,726 | 5,344 | 6,285 |

SOURCES: CGS-CIMB RESEARCH, COMPANY REPORTS



BY THE NUMBERS... cont'd

| Balance Sheet | | | | | |
|-------------------------------------|---------|---------|---------|---------|---------|
| (Rmbm) | Dec-20A | Dec-21A | Dec-22F | Dec-23F | Dec-24F |
| Total Cash And Equivalents | 5,469 | 7,686 | 10,793 | 15,466 | 20,961 |
| Total Debtors | 2,858 | 3,378 | 4,076 | 4,629 | 5,263 |
| Inventories | 5,274 | 8,781 | 10,614 | 11,749 | 13,192 |
| Total Other Current Assets | 313 | 450 | 450 | 450 | 450 |
| Total Current Assets | 13,913 | 20,296 | 25,933 | 32,293 | 39,866 |
| Fixed Assets | 1,995 | 2,045 | 2,674 | 3,351 | 3,957 |
| Total Investments | 40 | 51 | 51 | 51 | 51 |
| Intangible Assets | 4,308 | 4,602 | 4,602 | 4,602 | 4,602 |
| Total Other Non-Current Assets | 2,392 | 5,087 | 5,087 | 5,087 | 5,087 |
| Total Non-current Assets | 8,735 | 11,784 | 12,414 | 13,090 | 13,696 |
| Short-term Debt | 3,041 | 3,745 | 3,932 | 4,129 | 4,335 |
| Current Portion of Long-Term Debt | | | | | |
| Total Creditors | 2,544 | 3,952 | 4,777 | 5,288 | 5,937 |
| Other Current Liabilities | 1,260 | 1,003 | 923 | 1,193 | 1,394 |
| Total Current Liabilities | 6,845 | 8,700 | 9,632 | 10,610 | 11,667 |
| Total Long-term Debt | 3,182 | 5,908 | 6,085 | 6,268 | 6,456 |
| Hybrid Debt - Debt Component | | | | | |
| Total Other Non-Current Liabilities | 817 | 864 | 1,042 | 1,183 | 1,346 |
| Total Non-current Liabilities | 3,999 | 6,772 | 7,127 | 7,451 | 7,801 |
| Total Provisions | 279 | 304 | 304 | 304 | 304 |
| Total Liabilities | 11,123 | 15,776 | 17,064 | 18,365 | 19,772 |
| Shareholders' Equity | 11,239 | 16,198 | 21,177 | 26,912 | 33,684 |
| Minority Interests | 286 | 106 | 106 | 106 | 106 |
| Total Equity | 11,525 | 16,304 | 21,283 | 27,018 | 33,790 |

| Key Ratios | | | | | |
|---------------------------|---------|---------|---------|---------|---------|
| | Dec-20A | Dec-21A | Dec-22F | Dec-23F | Dec-24F |
| Revenue Growth | 45.4% | 21.6% | 20.6% | 13.6% | 13.7% |
| Operating EBITDA Growth | 147% | 54% | 19% | 21% | 17% |
| Operating EBITDA Margin | 18.9% | 24.0% | 23.8% | 25.4% | 26.1% |
| Net Cash Per Share (Rmb) | (0.87) | (2.25) | 0.89 | 5.79 | 11.61 |
| BVPS (Rmb) | 13.01 | 18.50 | 24.18 | 30.73 | 38.46 |
| Gross Interest Cover | 10.23 | 12.13 | 11.41 | 13.49 | 15.31 |
| Effective Tax Rate | 10.3% | 9.1% | 12.0% | 12.0% | 12.0% |
| Net Dividend Payout Ratio | 10.1% | 10.2% | 10.2% | 10.2% | 10.2% |
| Accounts Receivables Days | 46.76 | 40.92 | 39.86 | 40.98 | 41.07 |
| Inventory Days | 127.0 | 162.5 | 185.5 | 193.2 | 192.4 |
| Accounts Payables Days | 45.32 | 47.77 | 54.36 | 56.62 | 56.40 |
| ROIC (%) | 28.2% | 37.3% | 31.1% | 33.9% | 37.3% |
| ROCE (%) | 19.7% | 22.6% | 20.9% | 21.4% | 21.1% |
| Return On Average Assets | 13.6% | 16.5% | 15.2% | 15.7% | 15.6% |

| Key Drivers | | | | | |
|--|---------|---------|---------|---------|---------|
| | Dec-20A | Dec-21A | Dec-22F | Dec-23F | Dec-24F |
| Semiconductor distribution reveneue (yoy %) | 11.2% | 47.3% | 25.0% | 10.0% | 10.0% |
| Semiconductor designs revenue (yoy %) | 45.6% | 11.4% | 15.6% | 11.5% | 14.3% |
| Gross profit margin - semiconductor distribution (| 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Gross profit margin - semiconductor designs (%) | 28.9% | 31.4% | 34.9% | 37.0% | 38.0% |

SOURCES: CGS-CIMB RESEARCH, COMPANY REPORTS



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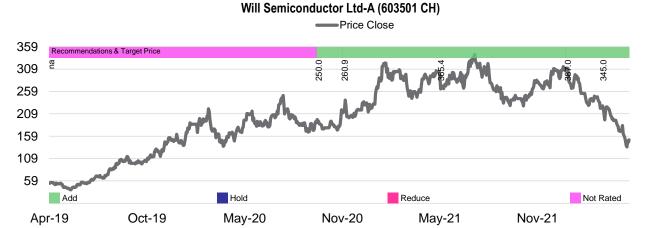
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| 619 companies under cov erage for quarter ended on 31 December 2021 | | | | | |
| | Rating Distribution (%) | Investment Banking clients (%) | | | |
| Add | 71.1% | 1.5% | | | |
| Hold | 21.8% | 0.0% | | | |
| Reduce | 7.1% | 0.0% | | | |



Spitzer Chart for stock being researched (2 year data)



Corporate Governance Report of Thai Listed Companies (CGR). CG Rating by the Thai Institute of Directors Association (Thai IOD) in 2021, Anti-Corruption 2021

ADVANC - Excellent, Certified, AMATA - Excellent, Certified, ANAN - Excellent, n/a, AOT - Excellent, n/a, AP - Excellent, Certified, ASP - Excellent, n/a, AWC - Excellent, Declared, AU - Good, n/a, BAM - Very Good, Certified, BAY - Excellent, Certified, BBL - Excellent, Certified, BCH - Very Good, Certified, BCP - Excellent, Certified, BCPG - Excellent, Certified, BDMS - Excellent, n/a, BEAUTY - Good, n/a, BEM - Excellent, n/a BH -Good, n/a, BJC - Very Good, n/a, BLA - Very Good, Certified, BTS - Excellent, Certified, CBG - Very Good, n/a, CCET - n/a, n/a, CENTEL -Excellent, Certified, CHAYO - Very Good, n/a, CHG - Very Good, n/a, CK - Excellent, n/a, COM7 - Excellent, Certified, CPALL - Excellent, Certified, CPF - Excellent, Certified, CPN - Excellent, Certified, CPNREIT - n/a, n/a, CRC - Excellent, Declared, DELTA - Excellent, Certified, DDD - Excellent, n/a, DIF - n/a, n/a, DOHOME - Very Good, Declared, DREIT - n/a, n/a, DTAC - Excellent, Certified, ECL - Excellent, Certified, EGCO - Excellent, Certified, EPG - Excellent, Certified, ERW - Very Good, Certified, GFPT - Excellent, Certified, GGC - Excellent, Certified, GLOBAL - Excellent, n/a, HANA - Excellent, Certified, HMPRO - Excellent, Certified, HUMAN - Good, n/a, ICHI - Excellent, Certified, III - Excellent, Declared, INTUCH -Excellent, Certified, IRPC - Excellent, Certified, ITD - Very Good, n/a, IVL - Excellent, Certified, JASIF - n/a, n/a, JKN - n/a, Certified, JMT - Very Good, n/a, KBANK - Excellent, Certified, KCE - Excellent, Certified, KEX - Very Good, Declared, KKP - Excellent, Certified, KSL - Excellent, Certified, KTB - Excellent, Certified, KTC - Excellent, Certified, LH - Excellent, n/a, LPN - Excellent, Certified, M - Very Good, Certified, MAKRO - Excellent, Certified, MC - Excellent, Certified, MEGA - Very Good, n/a, MINT - Excellent, Certified, MTC - Excellent, Certified, NETBAY - Very Good, n/a, NRF - Very Good, Declared, OR - Excellent, n/a, ORI - Excellent, Certified, OSP - Excellent, n/a, PLANB - Excellent, Certified, PRINC - Very Good, Certified, PR9 - Excellent, Declared, PSH - Excellent, Certified, PTT - Excellent, Certified, PTTP - Excellent, n/a, PTTGC - Excellent, Certified, QH - Excellent, Certified, RAM - n/a, n/a, RBF - Very Good, n/a, RS - Excellent, Declared, RSP - Good, n/a, S - Excellent, n/a, SAK - Very Good, Declared, SAPPE - Very Good, Certified, SAWAD - Very Good, n/a, SCB - Excellent, Certified, SCC - Excellent, Certified, SCGP - Excellent, Declared, SECURE - n/a, n/a, SHR - Excellent, n/a, SIRI - Excellent, Certified, SPA - Very Good, n/a, SPALI - Excellent, Certified, SPRC - Excellent, Certified, SSP - Good, Certified, STEC - Excellent, n/a, SVI - Excellent, Certified, SYNEX - Very Good, Certified, TCAP - Excellent, Certified, THANI - Excellent, Certified, TIDLOR - n/a, Certified TISCO - Excellent, Certified, TKN - Very Good, n/a, TOP - Excellent, Certified, TRUE - Excellent, Certified, TTB - Excellent, Certified, TU - Excellent, Certified, TVO - Excellent, Certified, VGI - Excellent, Certified, WHA - Excellent, Certified, WHART - n/a, n/a, WICE - Excellent, Certified, WORK - Good, n/a.

- CG Score 2021 from Thai Institute of Directors Association (IOD)
- Companies participating in Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of August 5, 2021) are categorised into: companies that have declared their intention to join CAC, and companies certified by CAC.

| Recommendation Framework | | | | |
|--|--|--|--|--|
| Stock Ratings | Definition: | | | |
| Add | The stock's total return is expected to exceed 10% over the next 12 months. | | | |
| Hold | The stock's total return is expected to be between 0% and positive 10% over the next 12 months. | | | |
| Reduce | The stock's total return is expected to fall below 0% or more over the next 12 months. | | | |
| The total expected return of a stock is defined as the sum of the: (i) percentage difference between the target price and the current price and (ii) the forward net | | | | |
| dividend yields of the stoo | ck. Stock price targets have an investment horizon of 12 months. | | | |
| Sector Ratings | Definition: | | | |
| Overweight | An Overweight rating means stocks in the sector have, on a market cap-weighted basis, a positive absolute recommendation. | | | |
| Neutral | A Neutral rating means stocks in the sector have, on a market cap-weighted basis, a neutral absolute recommendation. | | | |
| Underweight | An Underweight rating means stocks in the sector have, on a market cap-weighted basis, a negative absolute recommendation. | | | |
| Country Ratings | Definition: | | | |
| Overweight | An Overweight rating means investors should be positioned with an above-market weight in this country relative to benchmark. | | | |
| Neutral | A Neutral rating means investors should be positioned with a neutral weight in this country relative to benchmark. | | | |
| Underweight | An Underweight rating means investors should be positioned with a below-market weight in this country relative to benchmark. | | | |