

# 招商银行全资附属机 A Wholly Owned Subsidiary Of China Merchants I

# Willsemi (603501 CH)

# The feared bad 1Q22 is gone; All eyes on the recovery

Willsemi announced 1Q22 results. 1Q22 revenue/NP to shareholders declined 10.8%/13.9% YoY to RMB5,583mn/RMB896mn, which accounted for 20%/18% of our full year forecasts. The Company expected NP to shareholders will have 50%+ QoQ growth in 2Q22, driven by products structure adjustments and market recovery. Although we remain positive on Willsemi's long-term outlook, we expect short-term performance is challenging under current market environment. Maintain BUY with reduced TP of RMB200.0.

- 1Q22 results missed estimates. Although our previous forecasts were more conservative than consensus, 1Q22 results still missed expectations. Despite another satisfactory quarter of non-mobile CIS growth, 1Q22's revenue dropped 10.8% YoY. Mgmt. attributed the decline to 1) further weakness in smartphone shipment and 2) lowered semi distribution sales due to logistic disruptions. GPM dropped 1.2% to 35.3% in 1Q22 (vs. 36.5% in 4Q21), impacted by clients' pricing strategy under share gain pressure.
- High level of inventories raised investors' concerns. The Company's inventories level was equal to ~4.6x monthly sales in 4Q21 and further increased to 5.7x in 1Q22. The mgmt. have made clear that most of the inventories are standard products and will not have higher asset impairment risk. However, such level of inventory balance has surely caused market concerns, especially under current market sentiment. In addition, the resurgence of COVID cases and partial lockdown measures may require the Company to excessively build up inventories to secure productions, adding difficulty to offload inventories in near-term.
- Tough market environment challenges Company performance. Although we remain positive on Willsemi's long-term outlook, we expect short-term performance to be challenging. By segment, we expect the growth in nonmobile CIS to remain largely intact. 1Q22 non-mobile CIS is estimated to grow 70% YoY, while full year growth is forecasted at 36.1%. However, we have cut our expectations for mobile CIS sales, given lowered smartphone shipment projection. Sales from mobile CIS is expected to decline 3.5% YoY in 2022 vs. previous forecast of 10% growth.
- Maintain BUY with TP of RMB200.0. We lowered our TP to RMB200 based on 35x FY22E P/E multiple (vs. prior 42x), given depressed market sentiment and weakened consumer confidence. Potential downside risks include: 1) worse-than-expected global economy that curbs consumer spending, 2) higher level of inventory and 3) possible disruption in logistic and production.

### **Earnings Summary**

(YE 31 Dec)	FY20A	FY21A	FY22E	FY23E	FY24E
Revenue (RMB mn)	19,824	24,104	28,269	33,428	38,566
YoY growth (%)	45.4%	21.6%	17.3%	18.2%	15.4%
Gross profit margin %	29.9%	34.5%	34.9%	35.4%	35.5%
Net profit (RMB mn)	2,706	4,476	5,040	6,198	7,225
Net profit margin %	13.7%	18.6%	17.8%	18.5%	18.7%
EPS (RMB)	3.21	5.16	5.70	6.96	8.08
YoY growth (%)	322.4%	60.7%	10.4%	22.2%	16.1%
Consensus EPS (RMB)	NA	NA	6.44	8.23	0.00
P/E (x)	42.0	26.1	23.6	19.3	16.7
ROE (%)	23.5%	27.5%	22.5%	21.1%	19.7%

Source: Company data, Bloomberg, CMBIGM estimates

## **BUY (Maintain)**

**Target Price** RMB 200.00 (Previous TP RMB 270.00) Up/Downside +48% **Current Price** RMB 134.66

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#### Stock Data Mkt Cap (RMBmn) 118,085 Avg 3 mths t/o (RMBmn) 1,651

### Total Issued Shares (mn) 876.9 Source: Bloomberg **Shareholding Structure**

345/134.02

Yu Renrong 30.28% SX Weihao Equity Invest. FD 9.22% **HKSCC** 7.67%

Source: Company data

52w High/Low (RMB)

# **Share Performance**

	Absolute	Relative
1-mth	-32.6%	-26.1%
3-mth	-50.4%	-41.8%
6-mth	-44.7%	-31.8%

Source: Bloomberg

### 12-mth Price Performance



**Auditor: BDO** 

### **Related Reports**

- 1. In-line FY21 results: Solid nonmobile CIS growth overshadowed by weak smartphone - 20 Apr 2022 (Link)
- 2. China CIS sector Can non-mobile strength offset handset weakness? We remain cautiously optimistic - 1 Apr 2022 (Link)
- FY21 revenue in line; Growth story stays intact - 10 Mar 2022 (Link)



# **Earnings preview**

Figure 1: Quarterly results

RMB mn	1Q20	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	4Q21	1Q22	QoQ	YoY
Revenue	3,817	4,226	5,926	5,855	6,212	6,236	5,866	5,789	5,538	-4.3%	-10.8%
Gross Profit	1,230	1,371	1,653	1,675	2,014	2,105	2,082	2,113	1,955	-7.4%	-2.9%
Operating Profit	489	559	797	1,110	1,175	1,358	1,378	1,088	933	-14.3%	-20.7%
Net profit	445	545	736	980	1,041	1,203	1,275	958	896	-6.4%	-13.9%
EPS (RMB)	0.53	0.67	0.64	1.37	1.20	1.39	1.47	1.10	1.03	-6.7%	-14.2%
Gross Margin	32.2%	32.4%	27.9%	28.6%	32.4%	33.7%	35.5%	36.5%	35.3%	-1.2 ppt	2.9 ppt
Operating Margin	12.8%	13.2%	13.5%	19.0%	18.9%	21.8%	23.5%	18.8%	16.8%	-2 ppt	-2.1 ppt
Net Margin	11.7%	12.9%	12.4%	16.7%	16.8%	19.3%	21.7%	16.5%	16.2%	-0.4 ppt	-0.6 ppt

Source: Company data, CMBIGM estimates

Figure 2: Earnings revision

		New			Old		Diff (%)			
US\$ mn	FY22E	FY23E	FY24E	FY22E	FY23E	FY24E	FY22E	FY23E	FY24E	
Revenue	28,269	33,428	38,566	30,272	36,242	41,494	-7%	-8%	-7%	
Gross Profit	9,865	11,821	13,677	10,513	12,657	14,545	-6%	-7%	-6%	
Operating Profit	5,543	6,816	7,947	6,425	7,908	9,253	-14%	-14%	-14%	
Net profit	5,040	6,198	7,225	5,697	7,011	8,204	-12%	-12%	-12%	
EPS (US\$ cents)	5.698	6.960	8.080	6.440	7.874	9.174	-12%	-12%	-12%	
Gross Margin	34.9%	35.4%	35.5%	34.7%	34.9%	35.1%	0.2 ppt	0.4 ppt	0.4 ppt	
Operating Margin	19.6%	20.4%	20.6%	21.2%	21.8%	22.3%	-1.6 ppt	-1.4 ppt	-1.7 ppt	
Net Margin	17.8%	18.5%	18.7%	18.8%	19.3%	19.8%	-1 ppt	-0.8 ppt	-1 ppt	

Source: Company data, CMBIGM estimates

Figure 3: CMBIGM estimates vs consensus

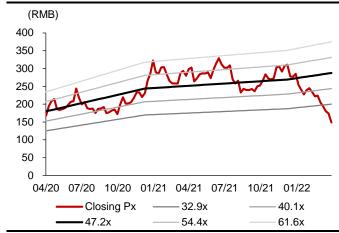
		CMBIGM		(	Consensus			Diff (%)	
US\$ mn	FY22E	FY23E	FY24E	FY22E	FY23E	FY24E	FY22E	FY23E	FY24E
Revenue	28,269	33,428	38,566	31,129	38,768	46,271	-9%	-14%	-17%
Gross Profit	9,865	11,821	13,677	10,634	13,366	16,543	-7%	-12%	-17%
Operating Profit	5,543	6,816	7,947	6,363	8,082	9,857	-13%	-16%	-19%
Net profit	5,040	6,198	7,225	5,625	7,267	8,989	-10%	-15%	-20%
EPS (US\$ cents)	5.698	6.960	8.080	6.438	8.229	9.983	-12%	-15%	-19%
Gross Margin	34.9%	35.4%	35.5%	34.2%	34.5%	35.8%	0.7 ppt	0.9 ppt	-0.3 ppt
Operating Margin	19.6%	20.4%	20.6%	20.4%	20.8%	21.3%	-0.8 ppt	-0.5 ppt	-0.7 ppt
Net Margin	17.8%	18.5%	18.7%	18.1%	18.7%	19.4%	-0.2 ppt	-0.2 ppt	-0.7 ppt

Source: Company data, CMBIGM estimates

Figure 4: 12M forward P/E chart

Source: Company data, CMBIGM estimates

Figure 5: 12M forward P/E band



Source: Company data, CMBIGM estimates



Figure 6: Smartphone Component Shortage Outlook for 2022

		Shortage level	Price trend	
Component	2021	2H21	1H22	2022 (YoY)
AP/SoC -Flagship 5G	•	•	•	Up 5+% in 2022 due to advanced nodes
AP/SoC -Mainstream 5G				FLAT in Q1, entry 5G down in 2H
AP/SoC - 4G				Slightly up in1H, flat in 2H
RFIC/FEM	•	• •		RF content will increase driving cost up
Memory - DRAM/MCP	•	•		Per bit price down
Memory - Flash				Q2 NAND price up, 2H slight decrease
CIS - 64MP&Above				Down YoY
CIS - 12-48 MP				Down YoY
CIS - 2/5/8MP				Down YoY
DDIC/TDDI	• • • •	• •	•	Up 5+% in Q1, flat in 2H
PMIC	• • •	• • •	• •	Up 15+% in Q1, flat in 2H
Packaging Substrate	•	• •		Down 0-5%

Source: Counterpoint, CMBIGM estimates

Note:

a) YoY comparison is based on the average price of the years;

b) Pricing considers product mix during the year.

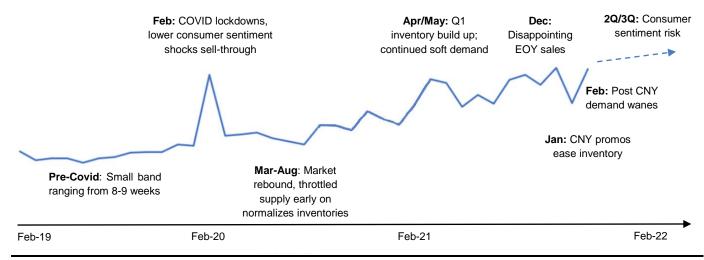
Demand>Supply by 10%

● Demand>Supply by 10% -20%

Demand>Supply by 20% -30%

Demand>Supply by 30% -40%

Figure 7: Smartphone inventory level



Source: Counterpoint, CMBIGM estimates



# **Financial Summary**

						Cash flow summary					
YE 31 Dec (RMB mn)	FY20A	FY21A	FY22E	FY23E		YE 31 Dec (RMB mn)	FY20A	FY21A	FY22E	FY23E	FY24E
Revenue	19,824	24,104	28,269	33,428	38,566	Pretax profit	2,683	4,546	5,040	6,198	7,22
COGS	-13,894	-15,790	-18,404	-21,607	-24,889	D&A	765	879	879	994	1,155
Gross Profit	5,930	8,314	9,865	11,821	13,677	Change in working capital	-221	-3,328	252	-2,078	500
						Others	117	96	501	557	642
SG&A	-1,147	-1,201	-1,408	-1,665	-1,921	Net cash from operating	3,345	2,192	6,672	5,671	9,521
R&D exp.	-1,727	-2,110	-2,573	-3,042	-3,510						
Financing exp.	-275	-356	-367	-310	-302	Capex	-1,133	-1,122	-1,514	-1,811	-2,083
Other opex	176	352	26	13	2	Purchase/sale of investments	-373	-1,969	-268	-286	-305
Operating profit	2,956	5,000	5,543	6,816	7,947	Purchase/sale of subs	-1,163	96	51	51	51
						Other	38	96	329	283	337
Non-operating income	44	5	6	7	8	Net cash from investing	-2,631	-2,899	-1,401	-1,763	-2,000
Non-operating exp.	-9	-3	-3	-4	-4	J	•	•	,	,	ŕ
Pre-tax profit	2,991	5,002	5,546	6,820	7,950	Change in shares	683	1,203	1,779	1,298	888
. To tak prom	_,	0,002	0,0.0	0,020	1,000	Change in debt	1,567	3,066	-1,095	243	-66
Income tax expenses	-308	-456	-506	-622	-725	Dividend/interests paid	-413	-569	-859	-897	-1,019
Net profit		4,546	5,040	6.198	7.225	Other	-413	-767	-194	20	-1,013
•	2,683		,	-,	, -						
Non-controlling interests	-23	70	0	0	7 225	Net cash from financing	1,835	2,932	-369	665	-302
Net profit to shareholders	2,706	4,476	5,040	6,198	7,225	Not ahanga in each	2 5 40	2 226	4 000	4 E70	7 244
						Net change in cash	2,548	2,226	4,902	4,572	7,219
						Cash, beginning	3,116	5,423	7,630	12,514	17,068
						Exchange difference	-241	-18	-18	-18	-18
						Cash, end	5,423	7,630	12,514	17,068	24,269
Balance sheet						Key ratios					
YE 31 Dec (RMB mn)	FY20A	FY21A	FY22E	FY23E	FY24E	YE 31 Dec (RMB mn)	FY20A	FY21A	FY22E	FY23E	FY24E
Current assets	13,913	20,296	25,310	33,535	40,513	Revenue by segment					
Cash & equivalents	5,456	7,671	12,555	17,109	24,310	CMOS	14,697	16,264	18,350	21,633	25,106
Trade & other receivables	2,583	3,029	3,404	4,618	4,894	TDDI	744	1,963	3,115	3,995	4,555
Inventories	5,274	8,781	8,466	10,671	10,053	Others	4,383	5,877	6,804	7,799	8,905
		814	885			Total	19,824	24,104	<b>28,269</b>	33,428	38,566
Other current assets	600	014	000	1,138	1,237	CMOS %	74.1%	67.5%	64.9%	64.7%	•
Non assurant accets	0 725	44 704	40 E70	12 1EO	44 420	CIVIOS %	74.170	07.5%	04.9%	04.7 %	65.1%
Non-current assets	8,735	11,784	12,572	13,450	14,429	Crowdle (0/)					
PPE	1,871	1,863	2,090	2,397	2,768	Growth (%)	45 40/	04.00/	47.00/	40.00/	45 40
Intangibles	1,509	1,604	1,508	1,442	1,390	Revenue	45.4%	21.6%	17.3%	18.2%	15.4%
Goodwill	2,800	2,998	2,947	2,896	2,845	Adj. EBITDA	173.1%	58.0%	9.2%	21.6%	9.1%
Other non-current assets	2,556	5,320	6,027	6,714	7,427	Net profit	481.2%	65.4%	12.6%	23.0%	16.6%
Total assets	22,648	32,080	37,883	46,986	54,943						
						Profit & loss ratio (%)					
Current liabilities	6,845	8,700	8,682	9,849	9,782	Gross margin	29.9%	34.5%	34.9%	35.4%	35.5%
ST debt & LT debt to mature	3,041	3,745	3,266	2,842	2,433	EBITDA margin	18.8%	24.4%	22.7%	23.4%	22.1%
Trade & other payables	2,544	3,956	3,817	5,307	5,203	Net profit margin	13.7%	18.6%	17.8%	18.5%	18.7%
Other current liabilities	1,260	999	1,600	1,700	2,146						
						Balance sheet ratio					
Non-current liabilities	4,278	7,076	6,813	7,831	8,564	Net debt/total equity (%)	6.7%	10.9%	net	net	ne
LT debt	3,182	3,448	3,082	3,749	4,092	Debt/EBITDA	1.7	1.6	1.3	1.1	1.0
Bonds payables	0,102	2,250	2,000	2,000	2,000	Interest coverage	12.5	14.3	15.9	20.3	22.0
Other non-current liabilities	1,096	1,378	1,731	2,082	2,473	Cash conversion cycle (days)	123.1	152.5	157.5	149.5	140.5
Total liabilities	11,123	15,776	15,495	17,681	18,346	(auys)	120.1	102.0	107.0	1-70.0	170.0
. J.a. nasmuos	, . 23	.5,770	. 5,735	,00 1	. 0,040	Profitability (%)					
Total equity	11 52F	16 204	22 200	20 20F	36,596	ROE	23.5%	27.5%	22.5%	21.1%	19.7%
Total equity	11,525	16,304	22,388	29,305	•						
Share capital	868	876	885	890	894	ROA	11.9%	14.0%	13.3%	13.2%	13.2%
Reserves	7,248	8,434	10,204	11,497	12,381						
Treasury stock	-255.4	-741.7	-741.7	-741.7	-741.7						
Retained earnings	3,895	8,049	12,579	18,196	24,712						
Other equities	-516.2	-418.8	-643.9	-642.5	-754.8	EPS	3.21	5.16	5.70	6.96	8.08
						D) /DO					
Minority interests	286	106	106	106	106	BVPS	13.33	18.67	25.19	32.79	40.8

Source: Company data, CMBIGM estimates



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Stock with potential return of +15% to -10% over next 12 months

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