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Willsemi (603501 CH)

Sluggish 3Q22 performance; Downgrade to HOLD as near-term pressures may last longer

Willsemi announced its 3Q22 results. 3Q revenue declined 26.5% YoY and 22.1% QoQ to RMB4.3bn. NP to shareholders recorded a net loss of RMB120mn, a hard hit from smartphone market weakness and slow digestion of CIS inventory. GPM dropped to 28.4% in 3Q (vs. 33.3%/34.5% in 2Q22 and 2021). Although we had expected a weak 3Q performance and revised down our forecast pre-earnings announcement (link), 3Q results came in much lower than our estimates. We think the near-term weakness may last longer. We downgrade Willsemi to HOLD and cut TP to RMB78.18.

- 3Q22 results were lower than estimates and NP to shareholder recorded a net loss. Although weak 3Q results had been widely expected, the numbers were much lower than estimates. Sales declined 22.1% QoQ in 3Q, which was usually the best quarter of a year. The decline was due to disappointing Android smartphone shipment, which resulted in slow destocking of handset CIS. Meanwhile, ASP was also falling given the intense competition.
- Inventory increased another quarter by 11.6% QoQ and 96.6% YoY to RMB1.4bn in 3Q, which equaled to almost ~10 months of sales at current run rate (vs. 4.6x/5.7x/6.9x during 4Q21-2Q22). While the company guided that de-stocking process is improving, we expect it might take longer (normal level 4x monthly sales) than market currently expects, any de-stocking pace stagnation would cause downward pressure on stock. In addition, high level of inventory may increase the possibility of a potential write-off in near future.
- Downgrade to HOLD and lower TP to RMB78.18. We lower bottom line forecasts for 2022/23E by 29% and 27%. We downgrade Willsemi to HOLD, as we expect the near-term pressures (demand weakness, ASP pressure, market sentiment, etc.) may take longer than expected to improve. The new TP is based on 29.3x 2023E P/E (vs. prev. 32x), ~1.0 PEG and close to domestic peers avg. (28.9x). Potential upsides include: 1) faster-than-expected CIS de-stocking; 2) Android smartphone shipment recovery.

Earnings Summary

(YE 31 Dec)	FY20A	FY21A	FY22E	FY23E	FY24E
Revenue (US\$ mn)	19,824	24,104	20,285	23,223	27,834
YoY growth (%)	45.4%	21.6%	-15.8%	14.5%	19.9%
Gross margin (%)	29.9%	34.5%	32.1%	32.5%	33.0%
Net profit (US\$ mn)	2,706	4,476	2,458	3,188	4,191
Net profit margin (%)	13.7%	18.6%	12.1%	13.7%	15.1%
EPS (US\$)	3.21	5.16	2.06	2.67	3.50
YoY growth (%)	322.4%	60.7%	-60.0%	29.3%	31.3%
Consensus EPS (US\$)	-	-	3.87	4.95	6.60
PE (x)	22.3	13.9	34.8	26.9	20.5
ROE (%)	23.5%	27.5%	12.1%	13.4%	15.1%
Net debt/total equity (%)	6.7%	10.9%	21.9%	3.7%	net cash

Source: Company data, Bloomberg, CMBIGM estimates

HOLD (Down)

Target Price RMB78.18
(Previous TP RMB120.0)
Up/Downside +9%
Current Price RMB71.7

China Technology Sector

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 Stock Data

 Mkt Cap (HK\$ mn)
 84.914

 Avg 3 mths t/o (HK\$ mn)
 1346.448

 52w High/Low (HK\$)
 238.44/71.47

 Total Issued Shares (mn)
 1184.30

 Source: Bloomberg

 Shareholding Structure

 Yu Renrong
 30.27%

 SX Weihao Equity Invest. FD
 9.21%

 HKSCC
 7.45%

 Source: HKEx

Share Performance Absolute Relative 1-mth -10.5% -7.2% 3-mth -31.8% -24.0% 6-mth -35.7% -32.8%

Source: Bloomberg

12-mth Price Performance



Source: Bloomberg

Auditor: DBO

Related Report

China CIS Sector – Maintain long-term positive outlook; near-term challenges persist (link)



Review of 3Q22 results

Figure 1: 3Q22 results review

RMB mn	1Q21	2Q21	3Q21	4Q21	1Q22	2Q22	3Q22	QoQ	YoY
Revenue	6,212	6,236	5,866	5,789	5,538	5,533	4,311	-22.1%	-26.5%
Gross Profit	2,014	2,105	2,082	2,113	1,955	1,841	1,226	-33.4%	-41.1%
Operating Profit	1,175	1,358	1,378	1,088	933	1,549	-122	-107.8%	-108.8%
Net profit	1,041	1,203	1,275	958	896	1,373	-120	-108.7%	-109.4%
EPS (RMB)	1.20	1.39	1.47	1.10	1.03	0.90	-0.10	-111.1%	-106.8%
Gross Margin	32.4%	33.7%	35.5%	36.5%	35.3%	33.3%	28.4%	-4.8 ppt	-7.1 ppt
Operating Margin	18.9%	21.8%	23.5%	18.8%	16.8%	28.0%	-2.8%	-30.8 ppt	-26.3 ppt
Net Margin	16.8%	19.3%	21.7%	16.5%	16.2%	24.8%	-2.8%	-27.6 ppt	-24.5 ppt

Source: Company data, CMBIS estimates

Figure 2: Earnings revision

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		New			Old		Diff (%)			
US\$ mn	FY22E	FY23E	FY24E	FY22E	FY23E	FY24E	FY22E	FY23E	FY24E	
Revenue	20,285	23,223	27,834	22,951	26,407	31,934	-12%	-12%	-13%	
EBITDA	6,515	7,550	9,181	7,746	9,117	11,245	-16%	-17%	-18%	
Operating Profit	2,770	3,597	4,727	4,616	4,924	6,278	-40%	-27%	-25%	
Net profit	2,458	3,188	4,191	4,220	4,502	5,739	-42%	-29%	-27%	
EPS (US\$ cents)	2.063	2.668	3.503	3.541	3.767	4.797	-42%	-29%	-27%	
Gross Margin	32.1%	32.5%	33.0%	33.8%	34.5%	35.2%	-1.6 ppt	-2 ppt	-2.2 ppt	
Operating Margin	13.7%	15.5%	17.0%	20.1%	18.6%	19.7%	-6.5 ppt	-3.2 ppt	-2.7 ppt	
Net Margin	12.1%	13.7%	15.1%	18.4%	17.0%	18.0%	-6.3 ppt	-3.3 ppt	-2.9 ppt	

Source: Company data, CMBIGM estimates

Figure 3: CMBIGM estimates vs consensus

US\$ mn		CMBIGM		(Consensus		Diff (%)			
	FY22E	FY23E	FY24E	FY22E	FY23E	FY24E	FY22E	FY23E	FY24E	
Revenue	20,285	23,223	27,834	24,548	30,957	38,004	-17%	-25%	-27%	
EBITDA	6,515	7,550	9,181	8,195	10,728	13,404	-20%	-30%	-32%	
Operating Profit	2,770	3,597	4,727	4,709	6,316	8,026	-41%	-43%	-41%	
Net profit	2,458	3,188	4,191	4,316	5,547	7,212	-43%	-43%	-42%	
EPS (US\$ cents)	2.063	2.668	3.503	3.871	4.955	6.596	-47%	-46%	-47%	
Gross Margin	32.1%	32.5%	33.0%	33.4%	34.7%	35.3%	-1.3 ppt	-2.1 ppt	-2.3 ppt	
Operating Margin	13.7%	15.5%	17.0%	19.2%	20.4%	21.1%	-5.5 ppt	-4.9 ppt	-4.1 ppt	
Net Margin	12.1%	13.7%	15.1%	17.6%	17.9%	19.0%	-5.5 ppt	-4.2 ppt	-3.9 ppt	

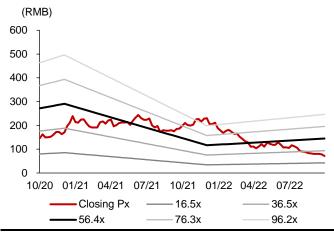
Source: Company data, CMBIGM estimates

Figure 4: 12M forward P/E chart

120 110 100 90 80 70 60 50 40 30 20 10-20 01-21 04-21 07-21 10-21 01-22 04-22 07-22 - 1-yr Forward P/E - Mean - - - Mean+1SD Mean-1SD

Source: Company data, CMBIGM estimates

Figure 5: 12M forward P/E band



Source: Company data, CMBIGM estimates



Valuation Table

		Mkt Cap	Last Price	P/E (x)		R	OE	
Name	Ticker	(US\$ mn)	nn) (LC)		FY23E	FY22E	FY23E	
Global								
Willsemi	603501 CH	12,098	71.70	34.8	26.9	12.1	13.4	
Sony	SONY US	85,564	67.85	14.2	15.1	14.2	11.3	
Samsung	005930 KS	251,730	57300.00	10.4	13.8	12.1	8.5	
STM	STM FP	28,835	31.79	8.1	8.9	33.2	24.5	
ON Semi	ON US	29,235	67.48	13.1	13.5	39.7	28.4	
Peers avg.				11.5	12.8	24.8	18.2	
Domestic								
Willsemi	603501 CH	12,098	71.70	34.8	26.9	12.1	13.4	
GalaxyCore	688728 CH	5,815	16.24	40.7	35.4	12.3	12.8	
Gigadevice	603986 CH	7,708	82.99	19.1	15.6	19.0	19.2	
Maxscend	300782 CH	6,833	86.80	29.6	23.4	20.1	21.1	
Goodix	603160 CH	3,103	45.80	80.3	32.3	3.1	7.2	
SG Micro	300661 CH	7,337	145.74	50.4	37.7	34.2	32.4	
Peers avg.				44.0	28.9	17.7	18.5	

Source: Company data, Bloomberg and CMBIGM estimates as of 30 October 2022.

Income statement



Financial Summary – Willsemi (603501 CH)

YE 31 Dec (RMB mn)	EV20A	FY21A	EV22E	EV23E	EV24E	YE 31 Dec (RMB mn)	FY20A	FY21A	FY22E	FY23E	FY24E
Revenue	19.824	24,104	20,285	23,223		Pretax profit	2,683	4,546	2,499	3,242	4,261
COGS	-,-	-15.790	-	-15,673	,	•	765	879	867	954	1,145
Gross Profit	5,930	8,314	6,515	7,550	9,181		-221	-3,328	-4,638	1,070	-1,656
Gloss Floin	3,930	0,314	0,313	7,330	9,101	Others	117	-3,326 96	149	432	330
SG&A	1 1 1 7	-1,201	-1,261	-1,351	-1,535	Net cash from operating	3,345	2,1 92	-1,122	5,697	4,081
	-1,147	•	-		,	Net cash from operating	3,343	2,192	-1,122	5,097	4,001
R&D exp.	-1,727	-2,110	-2,333	-2,322	-2,783	0	4 400	4 400	4 000	4 400	4.000
Financing exp.	-275	-356	-596	-526	-547	•	-1,133	-1,122	-1,233	-1,423	-1,660
Other opex	176	352	445	245	412	Purchase/sale of investments	-373	-1,969	-2,330	-905	-1,163
Operating profit	2,956	5,000	2,770	3,597	4,727		-1,163	96	12	12	12
						Other	38	96	-2,643	610	768
Non-operating income	44	5	12	10	14	Net cash from investing	-2,631	-2,899	-6,194	-1,705	-2,044
Non-operating exp.	-9	-3	-6	-4	-6						
Pre-tax profit	2,991	5,002	2,777	3,602	4,735	Change in shares	683	1,203	2,086	628	217
						Change in debt	1,567	3,066	2,282	1,631	168
Income tax expenses	-308	-456	-278	-360	-473	Dividend/interests paid	-413	-569	-929	-811	-926
Net profit	2,683	4,546	2,499	3,242	4,261	Other	-3	-767	-298	-239	-280
Non-controlling interests	-23	70	41	53	70	Net cash from financing	1,835	2,932	3,142	1,209	-820
Net profit to shareholders	2,706	4,476	2,458	3,188	4,191	_					
						Net change in cash	2,548	2,226	-4,175	5,201	1,218
Adj. EBITDA	3,830	5.949	3,908	4,947	6,148	Cash, beginning	3,116	5,423	7,630	3,438	8,621
•	,	-,-	-,	,-	-, -	Exchange difference	-241	-18	-18	-18	-18
						Cash, end	5,423	7,630	3,438	8,621	9,820
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	22,918	27,738	30,763	Revenue by segment					
Cash & equivalents	5,456	7,671	7,288	12,471	13,671	CMOS	14,697	16,264	12,675	15,165	18,968
Trade & other receivables	2,583	3,029	2,837	3,276	3,665	TDDI	744	1,963	1,705	1,833	2,110
Inventories	5,274	8,781	12,303	11,186	12,705	Others	4,383	5,877	5,905	6,225	6,756
Other current assets	600	814	489	805	722	Total	19,824	24,104	20,285	23,223	27,834
						CMOS %	74.1%	67.5%	62.5%	65.3%	68.1%
Non-current assets	8,735	11,784	14,577	16,006	17,779			,.			
PPE	1,871	1,863	2,015	2,258	2,541	Growth (%)					
Intangibles	1,509	1,604	1,506	1,385	1,257	Revenue	45.4%	21.6%	-15.8%	14.5%	19.9%
Goodwill	2,800	2,998	2,986	2,974	2,962	Adj. EBITDA	102.5%	55.4%	-34.3%	26.6%	24.3%
Other non-current assets	2,556	5,320	8,070	9,389	11,020	Net profit	481.2%	65.4%	-45.1%	29.7%	31.5%
Total assets	22,648	32,080	37,495	43,745	48,542	Net profit	401.270	05.470	-43.170	23.1 /0	31.370
i Otal assets	22,040	32,000	31,433	43,743	40,342	Duefit 9 Jaco notice (9/)					
Comment liabilities	C 0.45	0.700	44 644	40.004	40.044	Profit & loss ratio (%)	00.00/	04.50/	20.40/	20.50/	22.00/
Current liabilities	6,845	8,700	,	•	,	Gross margin	29.9%	34.5%	32.1%	32.5%	33.0%
ST debt & LT debt to mature	3,041	3,745	7,771	8,883		EBITDA margin	19.3%	24.7%	19.3%	21.3%	22.1%
Trade & other payables	2,544	3,956	3,299	3,756	4,230	Net profit margin	13.7%	18.6%	12.1%	13.7%	15.1%
Other current liabilities	1,260	999	574	985	929						
						Balance sheet ratio					
Non-current liabilities	4,278	7,076	5,599	6,373	7,192	Net debt/total equity (%)	6.7%	10.9%	21.9%	3.7%	net
LT debt	3,182	3,448	1,954	2,473	3,074	Debt/EBITDA	1.6	1.6	3.0	2.7	2.2
Bonds payables	0	2,250	2,000	2,000	2,000	Interest coverage	12.9	14.5	8.3	8.8	10.2
Other non-current liabilities	1,096	1,378	1,645	1,899	2,119	Cash conversion cycle (days)	123.1	152.5	271.0	279.8	240.5
Total liabilities	11,123	15,776	17,243	19,997	20,804						
						Profitability (%)					
Total equity	11,525	16,304	20,252	23,748	27,738	ROE	23.5%	27.5%	12.1%	13.4%	15.1%
Share capital	868	876	1,192	1,195	1,196	ROA	11.9%	14.0%	6.6%	7.3%	8.6%
Reserves	7,248	8,434	10,204	10,829	11,045						
Treasury stock	-255.4	-741.7	-741.7	-741.7	-741.7						
Retained earnings	3,895	8,049	10,025	12,929		Per share data (RMB)					
Other equities	-516.2	-418.8	-574.0	-663.1	-781.3	, ,	3.21	5.16	2.06	2.67	3.50
Minority interests	286	106	147	200		BVPS	13.33	18.67	16.87	19.70	22.96
Total liabilities and equity	22,648	32,080	37,495	43,745	48,542	•	. 5.55	.5.57	13.07	. 5.7 0	
	22,040	J2,000	31,433	73,143	40,342						

Cash flow summary

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Source: Company data, CMBIGM estimates



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