

Powerchip Semiconductor Manufacturing Corp.

Stronger-than-expected GM on near-term price hikes; rising AI contribution in medium term; stay OW

We now believe PSMC's GM ramp could be faster than expected, given stronger price hikes in its memory foundry business. Meanwhile, logic foundry is tracking well, with 10–15% price increases across both 8" and 12" in 1H26. Beyond pricing, we expect continued mix improvement (e.g. higher memory contribution, rising PMIC share in logic while reducing DDIC and sensor exposure) to support overall ASP growth of 50%+/25%+ in 2026/27. Longer term, we see several new growth drivers: 1) DRAM process migration to 1X (self-developed) and 1P (technology transferred from Micron); 2) HBM post-wafer fabrication (PWF) outsourced from Micron; 3) Si capacitor wafers primarily for Intel EMIB; 4) Interposer demand spillover from tight CoWoS supply at TSMC; and 5) WoW stacking as a more power-efficient memory architecture. We therefore believe revenue and margin expansion can extend beyond the near-term pricing momentum and persist into 2027–28. We maintain OW with a PT of NT\$100.

- **Strong pricing momentum in both memory and logic:** PSMC reported +27% QoQ revenue growth and an +18ppt GM expansion in 2Q, as strong memory price hikes in late 2025 finally flowed through (given the ~5-month cycle time). Beyond spot-price tailwinds, the company implemented a structural price hike for memory foundry in February, followed by another in July of greater magnitude (~45%). We therefore expect a stronger-than-anticipated revenue and margin ramp in 4Q26. On the logic side, the pricing environment is also improving: both 8" and 12" saw 10–15% price increases in 1H, with potential for further hikes in 2H (particularly 8"). ASP growth could extend beyond headline price increases as PSMC continues to shift mix toward higher-margin products (e.g., PMIC) while reducing exposure to lower-margin lines (DDIC, sensors), aided by tight capacity (near full UTR now excluding lines under progress of relocation from P5). In sum, with rising memory contribution (>50% of revenue now), continued logic mix improvement, and a robust pricing backdrop, we expect the company's blended ASP to increase 50+%/25+% YoY in 2026/27.
- **DRAM technology migration and PWF to drive long-term memory growth:** PSMC is pursuing several memory upgrades: 1) a self-developed 1X process node; 2) a 1P node via technology transfer from Micron; and 3) HBM PWF (post-wafer fabrication) outsourced from Micron, with Micron already making prepayments. The 1X node was ready in June, while the 1P node will ramp in mid-2028 and offers 1.5–2x ASP versus PSMC's current node. The PWF mini-line is targeted for completion by YE26 with MP in 4Q27, which we believe will be margin-accretive. We therefore view PSMC's memory growth as increasingly structural and sustainable—extending beyond spot-price dynamics.
- **3D AI foundry as a new growth engine, with Si capacitor taking the lead:** 3D AI foundry reached 5+% of company revenue in 2Q26, up from 3% in 1Q and 2–3% in 2025. The company targets 20% of revenue from 3D AI foundry within three years, supported by: 1) strong demand for Si capacitors (primarily

Overweight

6770.TWO, 6770 TT

Price (14 Jul 26):NT\$69.20

Price Target (Jun-27):NT\$100.00

Technology and Telecoms

Gokul Hariharan ^{AC}

(852) 2800-8564

gokul.hariharan@jpmorgan.com

J.P. Morgan Securities (Asia Pacific) Limited/ J.P. Morgan Broking (Hong Kong) Limited

Jennifer Hsieh

(886-2) 2725-9868

jennifer.hsieh@jpmorgan.com

J.P. Morgan Securities (Taiwan) Limited

David Chou

(886-2) 2725-9618

david.chou@jpmorgan.com

J.P. Morgan Securities (Taiwan) Limited

Jason Chen

(886-2) 2725-9864

jason.bh.chen@jpmorgan.com

J.P. Morgan Securities (Taiwan) Limited

Subham Singhania

(91-22) 6157-3801

subham.singhania@jpmorgan.com

J.P. Morgan India Private Limited

Key Changes (FYE Dec)

	Prev	Cur	Δ
Adj. EPS - 26E (NT\$)	6.41	6.61	3.1%
Adj. EPS - 27E (NT\$)	6.52	7.16	9.8%

Quarterly Forecasts (FYE Dec)

Adj. EPS (NT\$)	2025A	2026E	2027E
Q1	(0.26)	3.36A	1.62
Q2	(0.80)	0.76A	1.78
Q3	(0.65)	1.10	1.86
Q4	(0.16)	1.50	1.90
FY	(1.87)	6.61	7.16

Style Exposure

Quant Factors	Current %Rank	Hist %Rank (1=Top)			
		6M	1Y	3Y	5Y
Value	23	100	100	65	68
Growth	78	97	99	42	3
Momentum	5	95	98	96	
Quality	98	100	100	46	68
Low Vol	94	74	57	53	98

Sources for: Style Exposure – J.P. Morgan Global Markets Strategy; all other tables are company data and J.P. Morgan estimates.

See page 9 for analyst certification and important disclosures, including non-US analyst disclosures.

Price Performance



	YTD	1m	3m	12m
Abs	75.0%	3.0%	26.7%	327.2%
Rel	20.5%	1.7%	3.5%	229.3%

Company Data

Shares O/S (mn)	4,140
52-week range (NT\$)	94.50-14.65
Market cap (\$ mn)	8,897
Exchange rate	32.20
Free float (%)	77.9%
3M ADV (mn)	210.31
3M ADV (\$ mn)	468.5
Volatility (90 Day)	80
Index	TAIEX
BBG ANR (Buy Hold Sell)	5 3 0

Key Metrics (FYE Dec)

NT\$ in millions	FY25A	FY26E	FY27E	FY28E
Financial Estimates				
Revenue	46,730	75,138	101,289	109,666
Adj. EBIT	(5,960)	31,545	37,601	43,729
Adj. EBITDA	5,263	41,400	47,612	53,999
Adj. net income	(7,813)	29,619	33,398	39,163
Adj. EPS	(1.87)	6.61	7.16	8.40
BBG EPS	(1.89)	5.52	5.31	7.45
Cashflow from operations	(1,662)	63,704	46,843	52,949
FCFF	(10,654)	51,978	37,983	44,089
Margins and Growth				
Revenue Growth Y/Y (%)	4.5%	60.8%	34.8%	8.3%
EBIT margin	(12.8%)	42.0%	37.1%	39.9%
EBIT Growth Y/Y (%)	(25.2%)	(629.3%)	19.2%	16.3%
EBITDA margin	11.3%	55.1%	47.0%	49.2%
EBITDA Growth Y/Y (%)	205.9%	686.6%	15.0%	13.4%
Net margin	(16.7%)	39.4%	33.0%	35.7%
Adj. EPS growth	13.8%	(454.4%)	8.3%	17.3%
Ratios				
Adj. tax rate	(4.5%)	9.7%	17.0%	17.0%
Interest cover	3.0	52.0	234.4	1,015.9
Net debt/Equity	0.4	NM	NM	NM
Net debt/EBITDA	6.9	NM	NM	NM
ROE	(9.2%)	26.6%	21.5%	21.0%
Valuation				
FCFF yield	(3.7%)	16.8%	11.8%	13.7%
Dividend yield	0.0%	0.0%	1.5%	1.5%
EV/Revenue	6.9	2.9	1.8	1.3
EV/EBITDA	61.4	5.2	3.8	2.6
Adj. P/E	NM	10.5	9.7	8.2

Summary Investment Thesis and Valuation

Investment Thesis

We are OW on PSMC, given its ability to sustain revenue and margin expansion beyond near-term pricing upside, which is likely to extend into the 2027-28 timeframe. We also expect continued mix improvement from higher memory representation and increasing PMIC contribution in logic with less DDIC and sensor exposure, supporting overall ASP growth of 50%+/25%+ in 2026/27. Longer term, we see several new growth drivers: 1) DRAM process migration to 1X and 1P; 2) HBM post-wafer fabrication (PWF); 3) Si capacitor wafers for Intel EMIB; 4) Interposer demand spillover from tight CoWoS supply; and 5) WoW stacking for more power-efficient memory architecture.

Valuation

We are OW on PSMC with a Jun-27 PT of NT\$100 (13x 12M forward earnings, one notch lower vs. prior, given recent weaker memory sentiment) to reflect stronger memory Foundry ASP upgrades and multiple catalysts from MU collaborations and upside from logic Foundry.

Performance Drivers

Market	28%
Region	0%
Macro	7%
Style	5%
Idiosyn.	61%

Factors	6M Corr	1Y Corr
Market: MSCI Asia Pac ex JP	0.59	0.50
Region: Taiwan	-0.20	0.00
Macro:		
Emerging Economies CPI(YoY)	-0.23	-0.23
JP Morgan EMBI Global Spread	0.40	0.21
Citi Economic Surprise - EM	0.37	0.20
Quant Styles:		
Size	0.00	-0.13
Quality	-0.07	-0.12
Growth	-0.18	-0.08

used in Intel EMIB); 2) the PWF business with Micron; 3) interposer demand benefiting from spillover given tight TSMC CoWoS supply; and 4) WoW demand driven by the power-efficiency advantages of hybrid bonding versus current micro-bumps used in HBM. We believe Si capacitors make up the majority of current 3D AI revenue at ~1–2k wfpw shipment. The company is targeting 8–10k wfpw capacity by YE27, and we believe it can potentially ramp to 15–20k by 2028. Interposers should see rising contribution in 2027 once the 5–6k wfpw capacity relocated from P5 comes online. WoW and PWF are longer-term drivers, in our view—likely 2028 and beyond—once larger-scale capacity is in place.

- **GM ramping faster than expected:** The GM improvement is coming in faster than our previous expectation. We now model PSMC reaching ~43%/48% GM by YE26/27 and expect it to surpass its historical peak of 51% by mid-2028. Near-term drivers are stronger-than-expected price hikes in both logic and memory, while multiple new business lines provide mid-term support for continued margin expansion. We forecast EPS of NT\$6.61 in 2026 (including the one-off gain from selling the Tongluo fab to Micron) and NT\$7.16/NT\$8.40 in 2027/28 (up 130%/17% YoY on a recurring basis).

Earnings Review

Table 1: PSMC – 2Q26 earnings review

NT\$ in millions, %

NT\$ million	2Q26			Variance		Growth	
	Actual	JPMc	BBG	vs. JPMc	vs. Consensus	Q/Q	Y/Y
Revenues	17,290	17,659	18,470	-2%	-6%	27%	53%
Gross profit	4,889	5,076	4,260	-4%	15%	252%	N.A.
<i>GM (%)</i>	<i>28.3%</i>	<i>28.7%</i>	<i>23.1%</i>	<i>-47bps</i>	<i>521bps</i>	<i>1,805bps</i>	<i>3,734bps</i>
Operating profit	3,684	3,104	3,987	19%	-8%	-74%	N.A.
<i>OPM (%)</i>	<i>21.3%</i>	<i>17.6%</i>	<i>21.6%</i>	<i>373bps</i>	<i>-28bps</i>	<i>-8,351bps</i>	<i>3,635bps</i>
Net profit	3,291	3,232	3,564	2%	-8%	-77%	N.A.
EPS (NT\$)	0.78	0.76	0.84	2%	-8%	-77%	N.A.

Source: Company data, Bloomberg Finance L.P., J.P. Morgan estimates.

Estimate Revisions

Table 2: PSMC – Quarterly estimate revisions

NT\$ in millions, %

NT\$ million	Revised			Prior			Change (%)		
	3Q26E	4Q26E	1Q27E	3Q26E	4Q26E	1Q27E	3Q26E	4Q26E	1Q27E
Revenues (NT\$ in mn)	20,848	23,427	24,009	20,823	21,935	22,891	0%	7%	5%
Gross profit	7,897	10,131	10,859	7,934	9,048	10,104	-0%	12%	7%
<i>GM (%)</i>	<i>37.9%</i>	<i>43.2%</i>	<i>45.2%</i>	<i>38.1%</i>	<i>41.2%</i>	<i>44.1%</i>	<i>-22bps</i>	<i>200bps</i>	<i>109bps</i>
Operating profit	5,791	7,844	8,502	5,665	6,762	7,742	2%	16%	10%
<i>OPM (%)</i>	<i>27.8%</i>	<i>33.5%</i>	<i>35.4%</i>	<i>27.2%</i>	<i>30.8%</i>	<i>33.8%</i>	<i>57bps</i>	<i>265bps</i>	<i>159bps</i>
Net profit	5,122	6,974	7,552	5,068	6,024	6,859	1%	16%	10%
EPS (NT\$)	1.10	1.50	1.62	1.09	1.29	1.47	1%	16%	10%
Recurring EPS (NT\$)	1.10	1.50	1.62	0.76	1.09	1.29	44%	38%	25%
Operating Assumptions									
Capacity ('000 wafers, 8" equ)	468	464	479	468	464	479	0%	0%	0%
Shipment ('000 wafers, 8" equ)	454	454	448	454	454	448	0%	0%	0%
Shipment utilization (%)	97%	98%	94%	97%	98%	94%	0bps	0bps	0bps
Wafer ASP (US\$)	1,453	1,631	1,693	1,450	1,527	1,614	0%	7%	5%

Source: J.P. Morgan estimates.

Table 3: PSMC – Annual estimate revisions

NT\$ in millions, %

NT\$ million	Revised			Prior			Change (%)		
	2026E	2027E	2028E	2026E	2027E	2028E	2026E	2027E	2028E
Revenues (NT\$ in mn)	75,138	101,289	109,666	73,989	96,572	104,568	2%	5%	5%
Gross profit	24,306	47,654	54,670	23,447	44,408	51,530	4%	7%	6%
<i>GM (%)</i>	<i>32.3%</i>	<i>47.0%</i>	<i>49.9%</i>	<i>31.7%</i>	<i>46.0%</i>	<i>49.3%</i>	<i>66bps</i>	<i>106bps</i>	<i>57bps</i>
Operating profit	31,545	37,601	43,729	29,757	34,336	40,459	6%	10%	8%
<i>OPM (%)</i>	<i>42.0%</i>	<i>37.1%</i>	<i>39.9%</i>	<i>40.2%</i>	<i>35.6%</i>	<i>38.7%</i>	<i>176bps</i>	<i>157bps</i>	<i>118bps</i>
Net profit	29,619	33,398	39,163	28,556	30,418	36,089	4%	10%	9%
EPS (NT\$)	6.61	7.16	8.40	6.41	6.52	7.74	3%	10%	9%
Recurring EPS (NT\$)	3.11	7.16	8.40	2.90	6.52	7.74	7%	10%	9%
Operating Assumptions									
Capacity ('000 wafers, 8" equ)	1,947	1,916	1,946	1,947	1,916	1,946	0%	0%	0%
Shipment ('000 wafers, 8" equ)	1,745	1,856	1,903	1,759	1,856	1,903	-1%	0%	0%
Shipment utilization (%)	90%	97%	98%	90%	97%	98%	-76bps	0bps	0bps
Wafer ASP (US\$)	1,361	1,725	1,822	1,329	1,644	1,736	2%	5%	5%

Source: J.P. Morgan estimates.

Table 4: PSMC – Financials

	FY25				FY26E				FY27E				FY28E				FY25	FY26E	FY27E	FY28E
NT\$ in millions, year-end December	1Q	2Q	3Q	4Q	1Q	2Q	3QE	4QE	1QE	2QE	3QE	4QE	1QE	2QE	3QE	4QE				
Sales	11,116	11,278	11,840	12,495	13,572	17,290	20,848	23,427	24,009	25,365	25,876	26,038	25,460	26,767	28,577	28,862	46,730	75,138	101,289	109,666
COGS	-11,653	-12,300	-12,614	-11,701	-12,184	-12,401	-12,951	-13,295	-13,150	-13,437	-13,543	-13,504	-13,162	-13,771	-13,903	-14,161	-48,267	-50,832	-53,635	-54,996
Depreciation	-2,793	-2,815	-2,818	-2,798	-2,619	-2,323	-2,290	-2,624	-2,616	-2,540	-2,447	-2,408	-2,429	-2,675	-2,454	-2,712	-11,223	-9,855	-10,011	-10,270
Gross profit	-536	-1,022	-773	794	1,388	4,889	7,897	10,131	10,859	11,928	12,333	12,534	12,299	12,996	14,674	14,701	-1,537	24,306	47,654	54,670
Operating expense	322	674	1,913	1,514	-12,838	1,205	2,106	2,288	2,357	2,518	2,579	2,599	2,504	2,658	2,872	2,906	-4,423	7,239	-10,053	-10,941
SG&A	739	694	683	682	914	883	938	1,031	1,056	1,116	1,139	1,146	1,095	1,151	1,229	1,241	-2,797	-3,766	-4,457	-4,716
R&D	1,354	1,260	1,297	1,346	1,615	1,589	1,668	1,757	1,801	1,902	1,941	1,953	1,910	2,007	2,143	2,165	-5,257	-6,629	-7,597	-8,225
Other Opex	-1,770	-1,280	-67	-514	-15,368	-1,267	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	3,631	17,635	2,000	2,000
Operating (EBIT)	-858	-1,696	-2,686	-719	14,226	3,684	5,791	7,844	8,502	9,410	9,754	9,935	9,794	10,337	11,802	11,796	-5,960	31,545	37,601	43,729
Net interest income (expense)	-284	-149	-300	-222	-352	206	355	532	569	589	663	699	738	773	870	948	-954	741	2,520	3,329
Net other income (expense)	210	-1,381	259	349	458	-3	25	27	28	29	30	30	30	31	33	33	-563	508	117	126
Pre-tax profit	-932	-3,226	-2,727	-592	14,332	3,888	6,171	8,403	9,099	10,029	10,447	10,664	10,562	11,141	12,704	12,777	-7,477	32,794	40,238	47,184
Tax credit (expense)	165	108	1	62	101	597	1,049	1,428	1,547	1,705	1,776	1,813	1,796	1,894	2,160	2,172	336	3,175	6,840	8,021
Net profit	-1,097	-3,334	-2,728	-654	14,231	3,291	5,122	6,974	7,552	8,324	8,671	8,851	8,766	9,247	10,545	10,605	-7,813	29,619	33,398	39,163
Adjusted O/S (B)	4,172	4,188	4,188	4,198	4,239	4,347	4,664	4,664	4,664	4,664	4,664	4,664	4,664	4,664	4,664	4,664	4,186	4,479	4,664	4,664
FD EPS (NT\$)	-0.26	-0.80	-0.65	-0.16	3.36	0.76	1.10	1.50	1.62	1.78	1.86	1.90	1.88	1.98	2.26	2.27	-1.87	6.61	7.16	8.40
Key assumption																				
Capacity ('000 wafers, 8" equ)	520	520	520	520	520	494	468	464	479	479	479	479	479	479	494	494	2,081	1,947	1,916	1,946
Shipment ('000 wafers, 8" equ)	387	421	423	415	415	422	454	454	448	464	472	472	457	472	487	487	1,647	1,745	1,856	1,903
Shipment utilization (%)	74	81	81	80	80	85	97	98	94	97	99	99	95	99	99	99	79	90	97	98
Wafer ASP (US\$)	872	858	936	968	1,033	1,295	1,453	1,631	1,693	1,729	1,733	1,743	1,762	1,792	1,854	1,873	909	1,361	1,725	1,822
Margins (%)																				
Gross	-4.8	-9.1	-6.5	6.4	10.2	28.3	37.9	43.2	45.2	47.0	47.7	48.1	48.3	48.6	51.3	50.9	-3.3	32.3	47.0	49.9
Operating	-7.7	-15.0	-22.7	-5.8	104.8	21.3	27.8	33.5	35.4	37.1	37.7	38.2	38.5	38.6	41.3	40.9	-12.8	42.0	37.1	39.9
EBITDA	17.4	9.9	1.1	16.6	124.1	34.7	38.8	44.7	46.3	47.1	47.2	47.4	48.0	48.6	49.9	50.3	11.3	55.1	47.0	49.2
Net	-9.9	-29.6	-23.0	-5.2	104.9	19.0	24.6	29.8	31.5	32.8	33.5	34.0	34.4	34.5	36.9	36.7	-16.7	39.4	33.0	35.7
Growth (% H/H)																				
Shipment	4	9	0	-2	0	2	8	0	-1	3	2	0	-3	3	3	0				
ASP	-5	-2	9	3	7	25	12	12	4	2	0	1	1	2	3	1				
Sales	0	1	5	6	9	27	21	12	2	6	2	1	-2	5	7	1				
Gross profit	57	-91	24	203	75	252	62	28	7	10	3	2	-2	6	13	0				
EBIT	56	-98	-58	73	2,078	-74	57	35	8	11	4	2	-1	6	14	0				
Net profit	27	-204	18	76	2,276	-77	56	36	8	10	4	2	-1	5	14	1				
EPS	n.m.	n.m.	n.m.	n.m.	n.m.	-77	45	36	8	10	4	2	-1	5	14	1				
Growth (% Y/Y)																				
Shipment	15	22	17	11	7	0	7	9	8	10	4	4	2	2	3	3	16	6	6	3
ASP	(15)	(14)	(7)	5	18	51	55	68	64	34	19	7	4	4	7	7	(8)	50	27	6
Sales	3	1	2	12	22	53	76	87	77	47	24	11	6	6	10	11	4	61	35	8
Gross profit	(132)	(274)	(58)	164	359	578	1,121	1,175	682	144	56	24	13	9	19	17	(393)	1,681	96	15
EBIT	20	24	0	64	1,758	317	316	1,190	(40)	155	68	27	15	10	21	19	25	629	19	16
Net profit	(150)	(70)	5	56	1,397	199	288	1,166	(47)	153	69	27	16	11	22	20	(15)	479	13	17
EPS	n.m.	n.m.	n.m.	n.m.	n.m.	n.m.	n.m.	n.m.	(52)	136	69	27	16	11	22	20	n.m.	n.m.	8	17

Source: Company reports and J.P. Morgan estimates.

Investment Thesis, Valuation and Risks

Powerchip Semiconductor Manufacturing Corp. *(Overweight; Price Target: NT\$100.00)*

Investment Thesis

We are OW on PSMC, given its ability to sustain revenue and margin expansion beyond near-term pricing upside, which is likely to extend into the 2027-28 timeframe. We also expect continued mix improvement from higher memory representation and increasing PMIC contribution in logic with less DDIC and sensor exposure, supporting overall ASP growth of 50%+/25%+ in 2026/27. Longer term, we see several new growth drivers: 1) DRAM process migration to 1X and 1P; 2) HBM post-wafer fabrication (PWF); 3) Si capacitor wafers for Intel EMIB; 4) Interposer demand spillover from tight CoWoS supply; and 5) WoW stacking for more power-efficient memory architecture.

Valuation

We are OW on PSMC with a Jun-27 PT of NT\$100 (13x 12M forward earnings, one notch lower vs. prior, given recent weaker memory sentiment) to reflect stronger memory Foundry ASP upgrades and multiple catalysts from MU collaborations and upside from logic Foundry.

Risks to Rating and Price Target

Key upside risks would be (1) faster progress on HBM packaging and future DRAM process tech collaboration with Micron, (2) stronger growth in the interposer business.

Key downside risks are (1) continued downtrend in spot DRAM prices, given the significant premium to contract prices, (2) execution challenges in the tech transfer and collaboration with Micron.

Powerchip Semiconductor Manufacturing Corp.: Summary of Financials

Income Statement - Annual					Income Statement - Quarterly				
	FY24A	FY25A	FY26E	FY27E		1Q26A	2Q26A	3Q26E	4Q26E
Revenue	44,726	46,730	75,138	101,289	Revenue	13,572	17,290	20,848	23,427
COGS	(44,200)	(48,267)	(50,832)	(53,635)	COGS	(12,184)	(12,401)	(12,951)	(13,295)
Gross profit	525	(1,537)	24,306	47,654	Gross profit	1,388	4,889	7,897	10,131
SG&A	(4,737)	(2,797)	(3,766)	(4,457)	SG&A	(914)	(883)	(938)	(1,031)
Adj. EBITDA	1,721	5,263	41,400	47,612	Adj. EBITDA	16,845	6,007	8,081	10,468
D&A	(9,686)	(11,223)	(9,855)	(10,011)	D&A	(2,619)	(2,323)	(2,290)	(2,624)
Adj. EBIT	(7,965)	(5,960)	31,545	37,601	Adj. EBIT	14,226	3,684	5,791	7,844
Net Interest	(1,534)	(1,784)	(797)	(203)	Net Interest	(457)	(126)	(116)	(98)
Adj. PBT	(6,832)	(7,477)	32,794	40,238	Adj. PBT	14,332	3,895	6,171	8,403
Tax	54	(336)	(3,175)	(6,840)	Tax	(101)	(597)	(1,049)	(1,428)
Minority Interest	-	-	-	-	Minority Interest	-	-	-	-
Adj. Net Income	(6,777)	(7,813)	29,619	33,398	Adj. Net Income	14,231	3,298	5,122	6,974
Reported EPS	(1.64)	(1.87)	6.61	7.16	Reported EPS	3.36	0.76	1.10	1.50
Adj. EPS	(1.64)	(1.87)	6.61	7.16	Adj. EPS	3.36	0.76	1.10	1.50
DPS	0.30	0.00	0.00	1.07					
Payout ratio	NM	0.0%	0.0%	16.2%					
Shares outstanding	4,132	4,186	4,479	4,664	Shares outstanding	4,239	4,347	4,664	4,664
Balance Sheet & Cash Flow Statement					Ratio Analysis				
	FY24A	FY25A	FY26E	FY27E		FY24A	FY25A	FY26E	FY27E
Cash and cash equivalents	32,034	26,749	89,401	103,645	Gross margin	1.2%	(3.3%)	32.3%	47.0%
Accounts receivable	7,299	6,997	12,837	14,267	EBITDA margin	3.8%	11.3%	55.1%	47.0%
Inventories	9,850	9,291	10,491	10,655	EBIT margin	(17.8%)	(12.8%)	42.0%	37.1%
Other current assets	1,178	1,111	2,343	2,604	Net profit margin	(15.2%)	(16.7%)	39.4%	33.0%
Current assets	50,361	44,148	115,071	131,172	ROE	(7.4%)	(9.2%)	26.6%	21.5%
PP&E	124,236	122,004	96,876	95,724	ROA	(3.6%)	(4.3%)	14.5%	14.0%
LT investments	13,324	12,534	15,051	15,051	ROCE	(5.5%)	(4.2%)	18.4%	18.5%
Other non current assets	1,000	0	4,041	4,041	SG&A/Sales	10.6%	6.0%	5.0%	4.4%
Total assets	188,921	178,686	231,039	245,988	Net debt/equity	0.3	0.4	NM	NM
Short term borrowings	5,700	4,062	3,299	3,299	P/E (x)	NM	NM	10.5	9.7
Payables	2,633	2,997	4,371	4,440	P/BV (x)	3.2	3.5	2.1	1.9
Other short term liabilities	22,092	15,727	46,854	52,076	EV/EBITDA (x)	183.7	61.4	5.2	3.8
Current liabilities	30,425	22,785	54,524	59,815	Dividend Yield	0.4%	0.0%	0.0%	1.5%
Long-term debt	57,035	59,238	20,244	244	Sales/Assets (x)	0.2	0.3	0.4	0.4
Other long term liabilities	12,816	14,662	15,297	16,558	Interest cover (x)	1.1	3.0	52.0	234.4
Total liabilities	100,275	96,685	90,065	76,617	Operating leverage	9538.5%	(561.8%)	(1035.1%)	55.2%
Shareholders' equity	88,646	82,000	140,973	169,371	Revenue y/y Growth	1.6%	4.5%	60.8%	34.8%
Minority interests	0	0	0	0	EBITDA y/y Growth	(52.1%)	205.9%	686.6%	15.0%
Total liabilities & equity	188,921	178,686	231,039	245,988	Tax rate	(0.8%)	(4.5%)	9.7%	17.0%
BVPS	21.41	19.58	33.22	36.32	Adj. Net Income y/y Growth	312.4%	15.3%	(479.1%)	12.8%
y/y Growth	(7.2%)	(8.6%)	69.6%	9.3%	EPS y/y Growth	304.4%	13.8%	(454.4%)	8.3%
Net debt/(cash)	30,701	36,551	(65,858)	(100,102)	DPS y/y Growth	(50.3%)	(100.0%)	-	-
Cash flow from operating activities	125	(1,662)	63,704	46,843					
o/w Depreciation & amortization	9,686	11,223	9,855	10,011					
o/w Changes in working capital	(2,784)	(5,073)	24,230	3,434					
Cash flow from investing activities	(21,292)	(7,201)	8,715	(8,860)					
o/w Capital expenditure	(21,516)	(8,992)	(11,727)	(8,860)					
as % of sales	48.1%	19.2%	15.6%	8.7%					
Cash flow from financing activities	10,798	3,579	(9,767)	(23,739)					
o/w Dividends paid	(1,226)	0	0	(5,000)					
o/w Net debt issued/(repaid)	14,259	565	(39,756)	(20,000)					
Net change in cash	(10,369)	(5,285)	62,652	14,244					
Adj. Free cash flow to firm	(21,391)	(10,654)	51,978	37,983					
y/y Growth	(51.6%)	(50.2%)	(587.9%)	(26.9%)					

Source: Company reports and J.P. Morgan estimates.

Note: NT\$ in millions (except per-share data). Fiscal year ends Dec. o/w - out of which

Analyst Certification: The Research Analyst(s) denoted by an “AC” on the cover of this report certifies (or, where multiple Research Analysts are primarily responsible for this report, the Research Analyst denoted by an “AC” on the cover or within the document individually certifies, with respect to each security or issuer that the Research Analyst covers in this research) that: (1) all of the views expressed in this report accurately reflect the Research Analyst’s personal views about any and all of the subject securities or issuers; and (2) no part of any of the Research Analyst’s compensation was, is, or will be directly or indirectly related to the specific recommendations or views expressed by the Research Analyst(s) in this report. For all Korea-based Research Analysts listed on the front cover, if applicable, they also certify, as per KOFIA requirements, that the Research Analyst’s analysis was made in good faith and that the views reflect the Research Analyst’s own opinion, without undue influence or intervention.

All authors named within this report are Research Analysts who produce independent research unless otherwise specified. In Europe, Sector Specialists (Sales and Trading) may be shown on this report as contacts but are not authors of the report or part of the Research Department.

Important Disclosures

- **Market Maker/ Liquidity Provider:** J.P. Morgan is a market maker and/or liquidity provider in the financial instruments of/related to Powerchip Semiconductor Manufacturing Corp. or related entities.
- **Beneficial Ownership (1% or more):** J.P. Morgan beneficially owns 1% or more of a class of common equity securities of Powerchip Semiconductor Manufacturing Corp. or related entities.
- **Client:** J.P. Morgan currently has, or had within the past 12 months, the following entity(ies) as clients: Powerchip Semiconductor Manufacturing Corp. or related entities.
- **Potential Investment Banking Compensation:** J.P. Morgan expects to receive, or intends to seek, compensation for investment banking services in the next three months from Powerchip Semiconductor Manufacturing Corp. or related entities.
- **Debt Position:** J.P. Morgan may hold a position in the debt securities of Powerchip Semiconductor Manufacturing Corp. or related entities, if any.

Company-Specific Disclosures: J.P. Morgan does and seeks to do business with companies covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision. Important disclosures, including price charts and credit opinion history tables (if applicable), are available for compendium reports and all J.P. Morgan-covered companies, and certain non-covered companies, by visiting <https://www.jpmm.com/research/disclosures>, calling 1-800-477-0406, or e-mailing research.disclosure.inquiries@jpmorgan.com with your request.

Powerchip Semiconductor Manufacturing Corp. (6770.TWO, 6770 TT)

Price Chart



Date	Rating	Price (NT\$)	Price Target (NT\$)
19-Jul-23	N	30.50	28
05-Jan-24	OW	28.25	38
17-Jul-24	N	25.65	28
25-Feb-25	N	18.70	16
22-Oct-25	N	30.70	27
19-Jan-26	N	56.40	48
06-Feb-26	N	62.80	55
22-Apr-26	N	54.00	50
21-Jun-26	OW	74.20	100

Source: Bloomberg Finance L.P. and J.P. Morgan; price data adjusted for stock splits and dividends.
Initiated coverage Jun 15, 2021. All share prices are as of market close on the previous business day.

The chart(s) show J.P. Morgan's continuing coverage of the stocks; the current analysts may or may not have covered it over the entire period. J.P. Morgan ratings or designations: OW = Overweight, N= Neutral, UW = Underweight, NR = Not Rated

Explanation of Equity Research Ratings, Designations and Analyst(s) Coverage Universe:

J.P. Morgan uses the following rating system: Overweight (over the duration of the price target indicated in this report, we expect this stock will outperform the average total return of the stocks in the Research Analyst’s, or the Research Analyst’s team’s, coverage universe); Neutral (over the duration of the price target indicated in this report, we expect this stock will perform in line with the average total return of the stocks in the

Research Analyst's, or the Research Analyst's team's, coverage universe); and Underweight (over the duration of the price target indicated in this report, we expect this stock will underperform the average total return of the stocks in the Research Analyst's, or the Research Analyst's team's, coverage universe. NR is Not Rated. In this case, J.P. Morgan has removed the rating and, if applicable, the price target, for this stock because of either a lack of a sufficient fundamental basis or for legal, regulatory or policy reasons. The previous rating and, if applicable, the price target, no longer should be relied upon. An NR designation is not a recommendation or a rating. Some stocks under coverage have a rating but no price target; in these cases, we expect the stock will outperform/perform in line/underperform the average total return of the stocks in the Research Analyst's, or the Research Analyst's team's, coverage universe of the relevant duration of the region. In our Asia (ex-Australia and ex-India) and U.K. small- and mid-cap Equity Research, each stock's expected total return is compared to the expected total return of a benchmark country market index, not to those Research Analysts' coverage universe. If it does not appear in the Important Disclosures section of this report, the certifying Research Analyst's coverage universe can be found on J.P. Morgan's Research website, <https://www.jpmorganmarkets.com>.

Coverage Universe: Hariharan, Gokul : ASE Technology Holding Co Ltd (3711.TW), ASMPT Ltd (0522) (0522.HK), AirTAC (1590.TW), Alchip Technologies (3661.TW), BizLink (3665.TW), Chipbond Technology (6147.TWO), GDS Holdings (GDS), GUC (3443.TW), Hiwin (2049.TW), Hon Hai Precision (2317.TW), MediaTek Inc. (2454.TW), Nien Made (8464.TW), Novatek Microelectronics Corp. (3034.TW), Powerchip Semiconductor Manufacturing Corp. (6770.TWO), SMIC (0981) (0981.HK), Silicon Motion (SIMO), Sinbon (3023.TW), TSMC (2330.TW), Teco Electric & Machinery (1504.TW), UMC (2303.TW), Vanguard International Semiconductor Corp. (5347.TWO), Voltronic Power Technology (6409.TW), Xiaomi (1810) (1810.HK)

J.P. Morgan Equity Research Ratings Distribution, as of July 04, 2026

	Overweight (buy)	Neutral (hold)	Underweight (sell)
J.P. Morgan Global Equity Research Coverage*	53%	36%	12%
IB clients**	83%	80%	73%
JPMS Equity Research Coverage*	51%	37%	12%
IB clients**	95%	92%	87%

*Please note that the percentages may not add to 100% because of rounding.

**Percentage of subject companies within each of the "buy," "hold" and "sell" categories for which J.P. Morgan has provided investment banking services within the previous 12 months.

For purposes of FINRA ratings distribution rules only, our Overweight rating falls into a buy rating category; our Neutral rating falls into a hold rating category; and our Underweight rating falls into a sell rating category. Please note that stocks with an NR designation are not included in the table above. This information is current as of the end of the most recent calendar quarter.

Equity Valuation and Risks: For valuation methodology and risks associated with covered companies or price targets for covered companies, please see the most recent company-specific research report at <http://www.jpmorganmarkets.com>, contact the primary analyst or your J.P. Morgan representative, or email research.disclosure.inquiries@jpmorgan.com. For material information about the proprietary models used, please see the Summary of Financials in company-specific research reports and the Company Tearsheets, which are available to download on the company pages of our client website, <http://www.jpmorganmarkets.com>. This report also sets out within it the material underlying assumptions used.

History of Investment Recommendations:

A history of J.P. Morgan investment recommendations disseminated during the preceding 12 months can be accessed on the Research & Commentary page of <http://www.jpmorganmarkets.com> where you can also search by analyst name, sector or financial instrument.

Analysts' Compensation: The research analysts responsible for the preparation of this report receive compensation based upon various factors, including the quality and accuracy of research, client feedback, competitive factors, and overall firm revenues.

Registration of non-US Analysts: Unless otherwise noted, the non-US analysts listed on the front of this report are employees of non-US affiliates of J.P. Morgan Securities LLC, may not be registered as research analysts under FINRA rules, may not be associated persons of J.P. Morgan Securities LLC, and may not be subject to FINRA Rule 2241 or 2242 restrictions on communications with covered companies, public appearances, and trading securities held by a research analyst account.

Other Disclosures

J.P. Morgan is a marketing name for investment banking businesses of JPMorgan Chase & Co. and its subsidiaries and affiliates worldwide.

UK MIFID FICC research unbundling exemption: UK clients should refer to [UK MIFID Research Unbundling exemption](#) for details of J.P. Morgan's implementation of the FICC research exemption and guidance on relevant FICC research categorisation.

All research material made available to clients are simultaneously available on our client website, J.P. Morgan Markets, unless specifically permitted by relevant laws. Not all research content is redistributed, e-mailed or made available to third-party aggregators. For all research material available on a particular stock, please contact your sales representative.

Any long form nomenclature for references to China; Hong Kong; Taiwan; and Macau within this research material are Mainland China; Hong

Kong SAR (China); Taiwan (China); and Macau SAR (China).

J.P. Morgan Research may, from time to time, write on issuers or securities targeted by economic or financial sanctions imposed or administered by the governmental authorities of the U.S., EU, UK or other relevant jurisdictions (Sanctioned Securities). Nothing in this report is intended to be read or construed as encouraging, facilitating, promoting or otherwise approving investment or dealing in such Sanctioned Securities. Clients should be aware of their own legal and compliance obligations when making investment decisions.

Any digital or crypto assets discussed in this research report are subject to a rapidly changing regulatory landscape. For relevant regulatory advisories on crypto assets, including bitcoin and ether, please see <https://www.jpmorgan.com/disclosures/cryptoasset-disclosure>.

The author(s) of this research report may not be licensed to carry on regulated activities in your jurisdiction and, if not licensed, do not hold themselves out as being able to do so.

Exchange-Traded Funds (ETFs): J.P. Morgan Securities LLC ("JPMS") acts as authorized participant for substantially all U.S.-listed ETFs. To the extent that any ETFs are mentioned in this report, JPMS may earn commissions and transaction-based compensation in connection with the distribution of those ETF shares and may earn fees for performing other trade-related services, such as securities lending to short sellers of the ETF shares. JPMS may also perform services for the ETFs themselves, including acting as a broker or dealer to the ETFs. In addition, affiliates of JPMS may perform services for the ETFs, including trust, custodial, administration, lending, index calculation and/or maintenance and other services.

Options and Futures related research: If the information contained herein regards options- or futures-related research, such information is available only to persons who have received the proper options or futures risk disclosure documents. Please contact your J.P. Morgan Representative or visit <https://www.theocc.com/components/docs/riskstoc.pdf> for a copy of the Option Clearing Corporation's Characteristics and Risks of Standardized Options or https://www.finra.org/sites/default/files/2020-08/Security_Futures_Risk_Disclosure_Statement_2020.pdf for a copy of the Security Futures Risk Disclosure Statement.

Changes to Interbank Offered Rates (IBORs) and other benchmark rates: Certain interest rate benchmarks are, or may in the future become, subject to ongoing international, national and other regulatory guidance, reform and proposals for reform. For more information, please consult: https://www.jpmorgan.com/global/disclosures/interbank_offered_rates

Private Bank Clients: Where you are receiving research as a client of the private banking businesses offered by JPMorgan Chase & Co. and its subsidiaries ("J.P. Morgan Private Bank"), research is provided to you by J.P. Morgan Private Bank and not by any other division of J.P. Morgan, including, but not limited to, the J.P. Morgan Corporate and Investment Bank and its Global Research division.

Legal entity responsible for the production and distribution of research: The legal entity identified below the name of the Reg AC Research Analyst who authored this material is the legal entity responsible for the production of this research. Where multiple Reg AC Research Analysts authored this material with different legal entities identified below their names, these legal entities are jointly responsible for the production of this research. Where more than one legal entity is listed under an analyst's name, the first legal entity is responsible for the production unless stated otherwise. Research Analysts from various J.P. Morgan affiliates may have contributed to the production of this material but may not be licensed to carry out regulated activities in your jurisdiction (and do not hold themselves out as being able to do so). Unless otherwise stated below in the legal entity disclosures, this material has been distributed by the legal entity responsible for production, or where more than one legal entity is listed under the analyst's name, the first legal entity will be responsible for distribution. If you have any queries, please contact the relevant Research Analyst in your jurisdiction or the entity in your jurisdiction that has distributed this research material.

Legal Entities Disclosures and Country-/Region-Specific Disclosures:

Argentina: JPMorgan Chase Bank N.A Sucursal Buenos Aires is regulated by Banco Central de la República Argentina ("BCRA"- Central Bank of Argentina) and Comisión Nacional de Valores ("CNV"- Argentinian Securities Commission - ALYC y AN Integral N°51).

Australia: J.P. Morgan Securities Australia Limited ("JPMSAL") (ABN 61 003 245 234/AFS Licence No: 238066) is regulated by the Australian Securities and Investments Commission and is a Market Participant of ASX Limited, a Clearing and Settlement Participant of ASX Clear Pty Limited and a Clearing Participant of ASX Clear (Futures) Pty Limited. This material is issued and distributed in Australia by or on behalf of JPMSAL only to "wholesale clients" (as defined in section 761G of the Corporations Act 2001). A list of all financial products covered can be found by visiting <https://www.jpmm.com/research/disclosures>. J.P. Morgan seeks to cover companies of relevance to the domestic and international investor base across all Global Industry Classification Standard (GICS) sectors, as well as across a range of market capitalisation sizes. If applicable, in the course of conducting public side due diligence on the subject company(ies), the Research Analyst team may at times perform such diligence through corporate engagements such as site visits, discussions with company representatives, management presentations, etc. Research issued by JPMSAL has been prepared in accordance with J.P. Morgan Australia's Research Independence Policy which can be found at the following link: [J.P. Morgan Australia - Research Independence Policy](#).

Brazil: Banco J.P. Morgan S.A. is regulated by the Comissão de Valores Mobiliários (CVM) and by the Central Bank of Brazil. Ombudsman J.P. Morgan: 0800-7700847 / 0800-7700810 (For Hearing Impaired) / ouvidoria.jp.morgan@jpmchase.com.

Canada: J.P. Morgan Securities Canada Inc. is a registered investment dealer, regulated by the Canadian Investment Regulatory Organization and the Ontario Securities Commission and is the participating member on Canadian exchanges. This material is distributed in Canada by or on behalf of J.P.Morgan Securities Canada Inc.

Chile: Inversiones J.P. Morgan Limitada is an unregulated entity incorporated in Chile.

China: J.P. Morgan Securities (China) Company Limited has been approved by CSRC to conduct the securities investment consultancy business.

Colombia: Banco J.P. Morgan Colombia S.A. is supervised by the Superintendencia Financiera de Colombia (SFC). Any reference in this material to products or services offered abroad by entities other than the Bank in Colombia is included exclusively for descriptive purposes. Such references do not constitute, and should not be construed as, promotional activity or the provision of financial products or services within Colombian territory, as defined under applicable Colombian regulation.

Dubai International Financial Centre (DIFC): JPMorgan Chase Bank, N.A., Dubai Branch is regulated by the Dubai Financial Services Authority (DFSA) and its registered address is Dubai International Financial Centre - The Gate, West Wing, Level 3 and 9 PO Box 506551, Dubai, UAE. This material has been distributed by JP Morgan Chase Bank, N.A., Dubai Branch to persons regarded as professional clients or market counterparties as defined under the DFSA rules.

European Economic Area (EEA): Unless specified to the contrary, research is distributed in the EEA by J.P. Morgan SE ("JPM SE"), which is authorised as a credit institution by the Federal Financial Supervisory Authority (Bundesanstalt für Finanzdienstleistungsaufsicht, BaFin) and jointly supervised by the BaFin, the German Central Bank (Deutsche Bundesbank) and the European Central Bank (ECB). JPM SE is a company headquartered in Frankfurt with registered address at TaunusTurm, Taunustor 1, Frankfurt am Main, 60310, Germany. The material has been distributed in the EEA to persons regarded as professional investors (or equivalent) pursuant to Art. 4 para. 1 no. 10 and Annex II of MiFID II and its respective implementation in their home jurisdictions ("EEA professional investors"). This material must not be acted on or relied on by persons who are not EEA professional investors. Any investment or investment activity to which this material relates is only available to EEA relevant persons and will be engaged in only with EEA relevant persons.

Hong Kong: J.P. Morgan Securities (Asia Pacific) Limited (CE number AAJ321) is regulated by the Hong Kong Monetary Authority and the Securities and Futures Commission in Hong Kong, and J.P. Morgan Broking (Hong Kong) Limited (CE number AAB027) is regulated by the Securities and Futures Commission in Hong Kong. JP Morgan Chase Bank, N.A., Hong Kong Branch (CE Number AAL996) is regulated by the Hong Kong Monetary Authority and the Securities and Futures Commission, is organized under the laws of the United States with limited liability. Where the distribution of this material is a regulated activity in Hong Kong, the material is distributed in Hong Kong by or through J.P. Morgan Securities (Asia Pacific) Limited and/or J.P. Morgan Broking (Hong Kong) Limited.

India: J.P. Morgan India Private Limited (Corporate Identity Number - U67120MH1992FTC068724), having its registered office at J.P. Morgan Tower, Off. C.S.T. Road, Kalina, Santacruz - East, Mumbai - 400098, is registered with the Securities and Exchange Board of India (SEBI) as a 'Research Analyst' having registration number INH000001873. J.P. Morgan India Private Limited is also registered with SEBI as a member of the National Stock Exchange of India Limited and the Bombay Stock Exchange Limited (SEBI Registration Number - INZ000239730) and as a Merchant Banker (SEBI Registration Number - MB/INM000002970). Telephone: 91-22-6157 3000, Facsimile: 91-22-6157 3990 and Website: <http://www.jpmpil.com>. JPMorgan Chase Bank, N.A. - Mumbai Branch is licensed by the Reserve Bank of India (RBI) (Licence No. 53/ Licence No. BY.4/94; SEBI - IN/CUS/014/ CDSL : IN-DP-CDSL-444-2008/ IN-DP-NSDL-285-2008/ INBI00000984/ INE231311239) as a Scheduled Commercial Bank in India, which is its primary license allowing it to carry on Banking business in India and other activities, which a Bank branch in India are permitted to undertake. For non-local research material, this material is not distributed in India by J.P. Morgan India Private Limited. Compliance Officer: Ashutosh Sharma; ashutosh.j.sharma@jpmchase.com; +912261575002. Grievance Officer: Ramprasad K, jpmpil.research.feedback@jpmorgan.com; +912261573000. Registration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors. Please visit [Terms and Conditions and Most Important Terms and Conditions \(MITC\)](#). The annual Compliance audit report is available at <http://www.jpmpil.com/#research>.

Indonesia: PT J.P. Morgan Sekuritas Indonesia is a member of the Indonesia Stock Exchange and is registered and supervised by the Otoritas Jasa Keuangan (OJK).

Korea: J.P. Morgan Securities (Far East) Limited, Seoul Branch, is a member of the Korea Exchange (KRX). JPMorgan Chase Bank, N.A., Seoul Branch, is licensed as a branch office of foreign bank (JPMorgan Chase Bank, N.A.) in Korea. Both entities are regulated by the Financial Services Commission (FSC) and the Financial Supervisory Service (FSS). For non-macro research material, the material is distributed in Korea by or through J.P. Morgan Securities (Far East) Limited, Seoul Branch.

Japan: JPMorgan Securities Japan Co., Ltd. and JPMorgan Chase Bank, N.A., Tokyo Branch are regulated by the Financial Services Agency in Japan.

Malaysia: This material is issued and distributed in Malaysia by JPMorgan Securities (Malaysia) Sdn Bhd (18146-X), which is a Participating Organization of Bursa Malaysia Berhad and holds a Capital Markets Services License issued by the Securities Commission in Malaysia.

Mexico: J.P. Morgan Casa de Bolsa, S.A. de C.V., J.P. Morgan Grupo Financiero is member of the Mexican Stock Exchange ("Bolsa Mexicana de Valores") and the Institutional Stock Exchange ("Bolsa Institucional de Valores"), and it is authorized to act as a broker dealer by the National Banking and Securities Exchange Commission ("Comisión Nacional Bancaria y de Valores").

New Zealand: This material is issued and distributed by JPMSAL in New Zealand only to "wholesale clients" (as defined in the Financial Markets Conduct Act 2013). JPMSAL is registered as a Financial Service Provider under the Financial Service providers (Registration and Dispute Resolution) Act of 2008.

Philippines: J.P. Morgan Securities Philippines Inc. is a Trading Participant of the Philippine Stock Exchange and a member of the Securities Clearing Corporation of the Philippines and the Securities Investor Protection Fund. It is regulated by the Securities and Exchange Commission.

Singapore: This material is issued and distributed in Singapore by or through J.P. Morgan Securities Singapore Private Limited (JPMSS) [MDDI (P) 057/08/2025 and Co. Reg. No.: 199405335R], which is a member of the Singapore Exchange Securities Trading Limited, and/or JPMorgan Chase Bank, N.A., Singapore branch (JPMCB Singapore), both of which are regulated by the Monetary Authority of Singapore. This material is issued and distributed in Singapore only to accredited investors, expert investors and institutional investors, as defined in Section 4A of the Securities and Futures Act, Cap. 289 (SFA). This material is not intended to be issued or distributed to any retail investors or any other investors that do not fall into the classes of "accredited investors," "expert investors" or "institutional investors," as defined under Section 4A of the SFA. Recipients of this material in Singapore are to contact JPMSS or JPMCB Singapore in respect of any matters arising from, or in connection with, the material.

South Africa: J.P. Morgan Equities South Africa Proprietary Limited and JPMorgan Chase Bank, N.A., Johannesburg Branch are members of the Johannesburg Securities Exchange and are regulated by the Financial Services Conduct Authority (FSCA).

Taiwan: J.P. Morgan Securities (Taiwan) Limited is a participant of the Taiwan Stock Exchange (company-type) and regulated by the Taiwan Securities and Futures Bureau. Material relating to equity securities is issued and distributed in Taiwan by J.P. Morgan Securities (Taiwan) Limited, subject to the license scope and the applicable laws and the regulations in Taiwan. **To the extent that J.P. Morgan Securities (Taiwan) Limited produces research materials on securities not listed on the Taiwan Stock Exchange or Taipei Exchange ("Non-Taiwan Listed Securities"), these materials shall not constitute securities recommendations for the purpose of applicable Taiwan regulations, and, for the avoidance of doubt, J.P. Morgan Securities (Taiwan) Limited does not act as broker for Non-Taiwan Listed Securities.** According to Paragraph 2, Article 7-1 of Operational Regulations Governing Securities Firms Recommending Trades in Securities to Customers (as amended or supplemented) and/or other applicable laws or regulations, please note that the recipient of this material is not permitted to engage in any activities in connection with the material that may give rise to conflicts of interests, unless otherwise disclosed in the "Important Disclosures" in this material.

Thailand: This material is issued and distributed in Thailand by JPMorgan Securities (Thailand) Ltd., which is a member of the Stock Exchange of Thailand and is regulated by the Ministry of Finance and the Securities and Exchange Commission. The registered address is 548 One City Center Building, 50th Floor, Ploenchit Road, Lumpini, Pathum Wan, Bangkok 10330.

UK: Research is produced in the UK by J.P. Morgan Securities plc ("JPMS plc") which is a member of the London Stock Exchange and is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority or J.P. Morgan Markets Limited ("JPML Ltd") which is authorised and regulated by the Financial Conduct Authority. Unless specified to the contrary, this material is distributed in the UK by JPMS plc and is directed in the UK only to: (a) persons having professional experience in matters relating to investments falling within article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) (Order) 2005 ("the FPO"); (b) persons outlined in article 49 of the FPO (high net worth companies, unincorporated associations or partnerships, the trustees of high value trusts, etc.); or (c) any persons to whom this communication may otherwise lawfully be made; all such persons being referred to as "UK relevant persons". This material must not be acted on or relied on by persons who are not UK relevant persons. Any investment or investment activity to which this material relates is only available to UK relevant persons and will be engaged in only with UK relevant persons. A description of J.P. Morgan EMEA's policy for prevention and avoidance of conflicts of interest related to the production of Research can be found at the following link: [J.P. Morgan EMEA - Research Independence Policy](#).

U.S.: J.P. Morgan Securities LLC ("JPMS") is a member of the NYSE, FINRA, SIPC, and the NFA. JPMorgan Chase Bank, N.A. is a member of the FDIC. Material published by non-U.S. affiliates is distributed in the U.S. by JPMS who accepts responsibility for its content.

General: Additional information is available upon request. The information in this material has been obtained from sources believed to be reliable. While all reasonable care has been taken to ensure that the facts stated in this material are accurate and that the forecasts, opinions and expectations contained herein are fair and reasonable, JPMorgan Chase & Co. or its affiliates and/or subsidiaries (collectively J.P. Morgan) make no representations or warranties whatsoever to the completeness or accuracy of the material provided, except with respect to any disclosures relative to J.P. Morgan and the Research Analyst's involvement with the issuer that is the subject of the material. Accordingly, no reliance should be placed on the accuracy, fairness or completeness of the information contained in this material. There may be certain discrepancies with data and/or limited content in this material as a result of calculations, adjustments, translations to different languages, and/or local regulatory restrictions, as applicable. These discrepancies should not impact the overall investment analysis, views and/or recommendations of the subject company(ies) that may be discussed in the material. Artificial intelligence tools may have been used in the preparation of this material, including assisting in data analysis, pattern recognition, and content drafting for research material. J.P. Morgan accepts no liability whatsoever for any loss arising from any use of this material or its contents, and neither J.P. Morgan nor any of its respective directors, officers or employees, shall be in any way responsible for the contents hereof, apart from the liabilities and responsibilities that may be imposed on them by the relevant regulatory authority in the jurisdiction in question, or the regulatory regime thereunder. Opinions, forecasts or projections contained in this material represent J.P. Morgan's current opinions or judgment as of the date of the material only and are therefore subject to change without notice. Periodic updates may be provided on companies/industries based on company-specific developments or announcements, market conditions or any other publicly available information. There can be no assurance that future results or events will be consistent with any such opinions, forecasts or projections, which represent only one possible outcome. Furthermore, such opinions, forecasts or projections are subject to certain risks, uncertainties and assumptions that have not been verified, and future actual results or events could differ materially. The value of, or income from, any investments referred to in this material may fluctuate and/or be affected by changes in exchange rates. All pricing is indicative as of the close of market for the securities discussed, unless otherwise stated. Past performance is not indicative of future results.

Accordingly, investors may receive back less than originally invested. This material is not intended as an offer or solicitation for the purchase or sale of any financial instrument. The opinions and recommendations herein do not take into account individual client circumstances, objectives, or needs and are not intended as recommendations of particular securities, financial instruments or strategies to particular clients. This material may include views on structured securities, options, futures and other derivatives. These are complex instruments, may involve a high degree of risk and may be appropriate investments only for sophisticated investors who are capable of understanding and assuming the risks involved. The recipients of this material must make their own independent decisions regarding any securities or financial instruments mentioned herein and should seek advice from such independent financial, legal, tax or other adviser as they deem necessary. J.P. Morgan may trade as a principal on the basis of the Research Analysts' views and research, and it may also engage in transactions for its own account or for its clients' accounts in a manner inconsistent with the views taken in this material, and J.P. Morgan is under no obligation to ensure that such other communication is brought to the attention of any recipient of this material. Others within J.P. Morgan, including Strategists, Sales staff and other Research Analysts, may take views that are inconsistent with those taken in this material. Employees of J.P. Morgan not involved in the preparation of this material may have investments in the securities (or derivatives of such securities) mentioned in this material and may trade them in ways different from those discussed in this material. This material is not an advertisement for or marketing of any issuer, its products or services, or its securities in any jurisdiction.

Confidentiality and Security Notice: This transmission may contain information that is privileged, confidential, legally privileged, and/or exempt from disclosure under applicable law. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution, or use of the information contained herein (including any reliance thereon) is STRICTLY PROHIBITED. Although this transmission and any attachments are believed to be free of any virus or other defect that might affect any computer system into which it is received and opened, it is the responsibility of the recipient to ensure that it is virus free and no responsibility is accepted by JPMorgan Chase & Co., its subsidiaries and affiliates, as applicable, for any loss or damage arising in any way from its use. If you received this transmission in error, please immediately contact the sender and destroy the material in its entirety, whether in electronic or hard copy format. This message is subject to electronic monitoring: <https://www.jpmorgan.com/disclosures/email>

MSCI: Certain information herein ("Information") is reproduced by permission of MSCI Inc., its affiliates and information providers ("MSCI") ©2026. No reproduction or dissemination of the Information is permitted without an appropriate license. MSCI MAKES NO EXPRESS OR IMPLIED WARRANTIES (INCLUDING MERCHANTABILITY OR FITNESS) AS TO THE INFORMATION AND DISCLAIMS ALL LIABILITY TO THE EXTENT PERMITTED BY LAW. No Information constitutes investment advice, except for any applicable Information from MSCI ESG Research. Subject also to [msci.com/disclaimer](https://www.msci.com/disclaimer)

Sustainalytics: Certain information, data, analyses and opinions contained herein are reproduced by permission of Sustainalytics and: (1) includes the proprietary information of Sustainalytics; (2) may not be copied or redistributed except as specifically authorized; (3) do not constitute investment advice nor an endorsement of any product or project; (4) are provided solely for informational purposes; and (5) are not warranted to be complete, accurate or timely. Sustainalytics is not responsible for any trading decisions, damages or other losses related to it or its use. The use of the data is subject to conditions available at <https://www.sustainalytics.com/legal-disclaimers>. ©2026 Sustainalytics. All Rights Reserved.

"Other Disclosures" last revised July 04, 2026.

Copyright 2026 JPMorgan Chase & Co. All rights reserved. This material or any portion hereof may not be reprinted, sold or redistributed without the written consent of J.P. Morgan. It is strictly prohibited to use or share without prior written consent from J.P. Morgan any research material received from J.P. Morgan or an authorized third-party ("J.P. Morgan Data") in any third-party artificial intelligence ("AI") systems or models when such J.P. Morgan Data is accessible by a third-party.

Completed 15 Jul 2026 01:21 AM HKT

Disseminated 15 Jul 2026 01:21 AM HKT