

Samsung Electronics (005930.KS)

Announces 2026 shareholder returns of ~W100tn at the mid-point, likely higher mix of dividends; significant shareholder returns to help drive higher valuation multiples; Buy (on CL)

005930.KS	12m Price Target: W490,000	Price: W281,500	Upside: 74.1%
005935.KS	12m Price Target: W360,000	Price: W207,000	Upside: 73.9%

After market close on August 21, Samsung Electronics (SEC) announced its FY2026 shareholder return plan, outlining an estimated remaining return pool of W90tn to W110tn. Notably, SEC stated that advance payments received under LTAs and cash outflow for employee stock-based performance compensation would be deducted when calculating FCF. SEC also said it plans to execute a cash dividend of approximately W30tn in 3Q26, with specifics to be determined at the end-October board of directors meeting. For the remaining 2026 shareholder return pool, SEC mentioned that it is considering diverse forms including dividends and buybacks/cancellations, which will be determined at the January 2027 board of directions meeting upon the finalization of FY2026 results.

Implications from SEC's shareholder returns plan

- Based on recent media reports mentioning a potential shareholder return of ~W150tn this year, the guidance of W100tn at the midpoint was likely lower than consensus expectations. At the same time, even assuming the company keeps its current target of paying 50% of its FCF, the shareholder return pool we expect for 2027E/2028E will likely increase significantly to W179tn/W232tn, respectively.
- While an announcement of an immediate shareholder return similar to its main local peer was lacking, the company also laid out its plan to continue to pay additional shareholder returns. SEC has said it plans to pay ~W30tn in dividends in 3Q26, where this amount includes both regular dividends and special dividends. The company also plans to announce additional shareholder returns in January 2027 using the remaining FCF pool, so there will likely be a sizable shareholder return on a

BUY (CL)

Giuni Lee

+65-6889-1025 | giuni.lee@gs.com
Goldman Sachs (Singapore) Pte

Taeyong Lee

+82(2)3788-0981 | taeyong.lee@gs.com
Goldman Sachs (Asia) L.L.C., Seoul Branch

Daiki Takayama

+81(3)4587-9870 | daiki.takayama@gs.com
Goldman Sachs Japan Co., Ltd.

Key Data

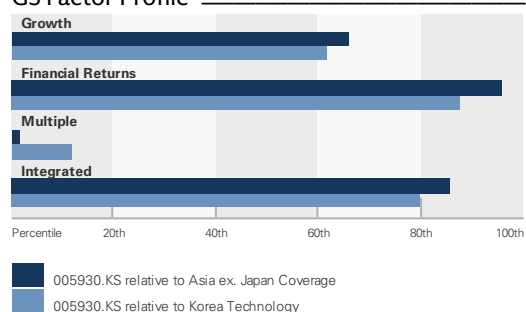
Market cap: W1,890.9tr / \$1.4tr
Enterprise value: W1,688.4tr / \$1.2tr
3m ADTV: W8.9tr / \$6.0bn
South Korea
Korea Technology
M&A Rank: 3
Leases incl. in net debt & EV?: Yes

GS Forecast

	12/25	12/26E	12/27E	12/28E
Revenue (W bn) New	333,605.9	720,048.4	928,291.4	1,056,615.6
Revenue (W bn) Old	333,605.9	720,048.4	928,291.4	1,056,615.6
EBITDA (W bn)	90,527.6	432,331.8	626,224.0	728,338.3
EPS (W) New	6,613	46,078	71,848	87,588
EPS (W) Old	6,613	45,623	67,378	79,040
P/E (X)	10.8	6.1	3.9	3.2
P/B (X)	1.1	2.6	1.7	1.2
Dividend yield (%)	2.3	4.2	6.4	7.8
CROCI (%)	13.1	47.1	51.1	51.4

	6/26	9/26E	12/26E	3/27E
EPS (W)	10,833	13,324	14,780	15,740

GS Factor Profile



Source: Company data, Goldman Sachs Research estimates.
See disclosures for details.

Goldman Sachs 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. For Reg AC certification and other important disclosures, see the Disclosure Appendix, or go to www.gs.com/research/hedge.html. Analysts employed by non-US affiliates are not registered/qualified as research analysts with FINRA in the U.S.

BUY CL

Samsung Electronics (005930.KS)

Rating since Jul 14, 2017

Ratios & Valuation

	12/25	12/26E	12/27E	12/28E
P/E (X)	10.8	6.1	3.9	3.2
P/B (X)	1.1	2.6	1.7	1.2
FCF yield (%)	7.6	11.7	20.2	26.1
EV/EBITDAR (X)	4.2	3.7	2.1	1.3
EV/EBITDA (excl. leases) (X)	4.2	3.7	2.1	1.3
CROCI (%)	13.1	47.1	51.1	51.4
ROE (%)	10.9	53.2	51.7	43.4
Net debt/equity (%)	(21.8)	(29.9)	(42.8)	(52.0)
Net debt/equity (excl. leases) (%)	(23.1)	(30.8)	(43.5)	(52.5)
Interest cover (X)	117.6	540.2	849.0	1,057.3
Days inventory outst, sales	57.1	32.3	32.7	34.1
Receivable days	51.8	42.6	53.9	60.8
Days payable outstanding	22.9	22.0	21.5	21.5
DuPont ROE (%)	10.1	41.6	42.3	36.7
Turnover (X)	0.6	0.8	0.7	0.6
Leverage (X)	1.3	1.2	1.2	1.1
Gross cash invested (ex cash) (W)	713,970.7	883,957.5	1,061,358.8	1,248,085.6
Average capital employed (W)	322,322.7	419,377.8	561,513.6	676,513.0
BVPS (W)	63,711	110,267	167,512	236,387

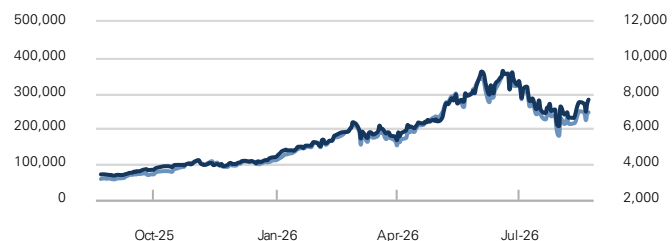
Growth & Margins (%)

	12/25	12/26E	12/27E	12/28E
Total revenue growth	10.9	115.8	28.9	13.8
EBITDA growth	20.1	377.6	44.8	16.3
EPS growth	33.5	596.8	55.9	21.9
DPS growth	15.4	602.4	53.6	22.2
EBIT margin	13.1	52.6	60.5	61.5
EBITDA margin	27.1	60.0	67.5	68.9
Net income margin	13.3	42.0	50.0	53.5

Price Performance

005930.KS (W)

KOSPI



	3m	6m	12m
Absolute	(6.0)%	48.1%	298.7%
Rel. to the KOSPI	6.3%	24.4%	81.2%

Source: FactSet. Price as of 21 Aug 2026 close.

Income Statement (W bn)

	12/25	12/26E	12/27E	12/28E
Total revenue	333,605.9	720,048.4	928,291.4	1,056,615.6
Cost of goods sold	(202,235.5)	(240,968.5)	(297,063.3)	(347,165.5)
SG&A	(50,029.0)	(47,823.2)	(13,843.9)	4,219.9
R&D	(37,740.4)	(52,242.5)	(55,697.5)	(63,396.9)
Other operating inc./(exp.)	—	—	—	—
EBITDA	90,527.6	432,331.8	626,224.0	728,338.3
Depreciation & amortization	(46,926.6)	(53,317.7)	(64,527.2)	(78,065.2)
EBIT	43,601.1	379,014.2	561,696.8	650,273.1
Net interest inc./(exp.)	3,987.3	6,390.4	13,015.8	25,564.6
Income/(loss) from associates	682.7	883.8	800.0	800.0
Pre-tax profit	49,481.5	392,377.0	603,427.9	735,404.9
Provision for taxes	(4,274.7)	(89,413.5)	(138,788.4)	(169,143.1)
Minority interest	(945.8)	(859.1)	(760.0)	(760.0)
Preferred dividends	—	—	—	—
Net inc. (pre-exceptionals)	44,261.0	302,104.4	463,879.5	565,501.8
Post-tax exceptionals	—	—	—	—
Net inc. (post-exceptionals)	44,261.0	302,104.4	463,879.5	565,501.8
EPS (basic, pre-exception) (W)	6,613	46,078	71,848	87,588
EPS (diluted, pre-exception) (W)	6,648	46,004	71,848	87,588
EPS (basic, post-exception) (W)	6,613	46,078	71,848	87,588
EPS (diluted, post-exception) (W)	6,613	46,078	71,848	87,588
DPS (W)	1,668	11,716	18,000	22,000
Div. payout ratio (%)	25.2	25.4	25.1	25.1

Balance Sheet (W bn)

	12/25	12/26E	12/27E	12/28E
Cash & cash equivalents	125,821.4	245,956.6	499,099.2	831,317.2
Accounts receivable	51,127.6	117,045.8	157,223.4	195,016.6
Inventory	52,636.8	74,909.3	91,189.6	106,040.3
Other current assets	18,098.7	37,113.9	54,338.4	79,556.9
Total current assets	247,684.6	475,025.6	801,850.5	1,211,931.0
Net PP&E	215,304.8	252,298.4	289,859.8	319,396.4
Net intangibles	29,480.6	30,107.2	31,518.1	32,869.3
Total investments	28,111.0	30,185.7	32,985.7	35,785.7
Other long-term assets	46,361.2	107,189.8	111,542.2	116,071.2
Total assets	566,942.1	894,806.7	1,267,756.4	1,716,053.6
Accounts payable	13,039.4	16,052.0	18,866.8	21,939.4
Short-term debt	18,752.5	14,816.0	14,616.0	14,416.0
Short-term lease liabilities	1,341.8	1,572.3	1,806.4	1,990.5
Other current liabilities	73,277.7	100,496.7	100,262.6	100,078.5
Total current liabilities	106,411.3	132,936.9	135,551.7	138,424.3
Long-term debt	6,486.7	7,482.8	7,462.8	7,442.8
Long-term lease liabilities	4,107.9	4,813.7	5,530.4	6,093.9
Other long-term liabilities	13,615.9	22,898.0	22,181.3	21,617.8
Total long-term liabilities	24,210.4	35,194.5	35,174.5	35,154.5
Total liabilities	130,621.8	168,131.4	170,726.2	173,578.8
Preferred shares	119.5	119.5	119.5	119.5
Total common equity	424,193.8	711,931.0	1,081,525.8	1,526,210.4
Minority interest	12,007.1	14,624.9	15,384.9	16,144.9
Total liabilities & equity	566,942.1	894,806.7	1,267,756.4	1,716,053.6
Net debt, adjusted	(100,462.8)	(223,538.4)	(476,901.0)	(809,339.1)

Cash Flow (W bn)

	12/25	12/26E	12/27E	12/28E
Net income	44,261.0	302,104.4	463,879.5	565,501.8
D&A add-back	46,926.6	53,317.7	64,527.2	78,065.2
Minority interest add-back	945.8	859.1	760.0	760.0
Net (inc)/dec working capital	(7,717.3)	(85,178.0)	(53,643.0)	(49,571.4)
Other operating cash flow	899.1	24,704.4	(22,376.9)	(30,547.5)
Cash flow from operations	85,315.1	295,807.5	453,146.8	564,208.2
Capital expenditures	(47,522.2)	(83,234.8)	(94,000.0)	(99,000.0)
Acquisitions	(2,713.4)	(1,992.3)	(4,000.0)	(4,000.0)
Divestitures	—	—	—	—
Others	(18,276.6)	(65,083.5)	(11,588.2)	(12,554.7)
Cash flow from investing	(68,512.2)	(150,310.7)	(109,588.2)	(115,554.7)
Repayment of lease liabilities	(1,211.2)	(1,356.1)	(1,610.1)	(1,798.5)
Dividends paid (common & pref)	(9,808.7)	(14,838.3)	(90,196.1)	(116,215.4)
Inc/(dec) in debt	5,909.0	(2,940.4)	(220.0)	(220.0)
Other financing cash flows	1,514.5	(6,226.8)	1,610.1	1,798.5
Cash flow from financing	(3,596.5)	(25,361.6)	(90,416.1)	(116,435.4)
Total cash flow	13,206.5	120,135.2	253,142.5	332,218.1
Free cash flow	36,581.7	211,216.6	357,536.7	463,409.7

Source: Company data, Goldman Sachs Research estimates.

consistent basis for the next couple of quarters.

- The company mentioned that the advance payments received under the memory LTAs would not be included in the FCF calculation, which we think is fair as we believe most of these advance payments are in the form of deposits, where SEC would have to return the amount back to the customer when the customer fully honors the LTA.
- We expect the company's 2024-2026E cumulative FCF to reach around W270tn, and applying 50% of this the total shareholder returns would reach ~W135tn. Given the company already paid W20.9tn in dividends and W8.4tn in buybacks/cancellations during 2024-2025, we expect the shareholder returns of around W106tn for 2026E, closer to the upper range of the guidance of W90tn-W110tn.
- We model ~W30tn in dividends in 3Q26 consistent with the company's guidance, and assume slightly higher than W40tn as the 2026 year-end dividend. Therefore, the total dividend we expect for 2026E is around W76tn (including the regular dividend in 1Q26/2Q26). This implies a 25.5% payout ratio, where the company would be qualified for the separate taxation for dividend income.
- The remaining ~W30tn (W106tn - W76tn) would therefore be our assumption for the additional buybacks and cancellations to be done this year. Unlike its domestic peer, we believe the shareholder returns mix for SEC will center on dividends, as the company is much closer in being qualified for the separate taxation for dividend income, and also considering the regulatory cap in the percentage of shares financial affiliates can hold in non-financial group affiliates.
- While the company did not announce the new shareholder returns plan for 2027 and beyond, given the significant increase in FCF we expect, as well as to increase the shareholder returns stability, we assume a higher regular quarterly dividend of around W10tn per quarter, with a larger amount to be paid as the year-end dividend.
- As we revise our cash flow assumptions and also reflect our assumptions for dividends and buybacks/cancellations, we raise our 2026E/2027E/2028E EPS estimates by 1%/7%/11%.
- Our ROE estimates for 2026E/2027E/2028E go up to 53%/52%/43% compared to 52%/48%/39% previously. With the stock trading at 1.7X 2027E P/B and 1.2X 2028E P/B with a 40-50% ROE, we believe the risk/reward is attractive, and believe the substantial shareholder returns on a more consistent basis will help drive higher valuation multiples for the name.

Exhibit 1: SEC earnings revisions

(W tn)	Revised				Previous				%--change			
	3Q26E	FY26E	FY27E	FY28E	3Q26E	FY26E	FY27E	FY28E	3Q26E	FY26E	FY27E	FY28E
Sales	205.67	720.05	928.29	1,056.6	205.67	720.05	928.29	1,056.6	0.0%	0.0%	0.0%	0.0%
DS (Semiconductor)	153.33	525.41	735.15	858.97	153.33	525.41	735.15	858.97	0.0%	0.0%	0.0%	0.0%
Semiconductor	153.32	525.39	735.11	858.93	153.32	525.39	735.11	858.93	0.0%	0.0%	0.0%	0.0%
Memory	145.82	496.58	704.27	825.68	145.82	496.58	704.27	825.68	0.0%	0.0%	0.0%	0.0%
DRAM	104.17	360.74	517.61	629.88	104.17	360.74	517.61	629.88	0.0%	0.0%	0.0%	0.0%
NAND	41.51	138.25	186.06	195.15	41.51	138.25	186.06	195.15	0.0%	0.0%	0.0%	0.0%
System LSI / Foundry	7.50	28.81	30.85	33.25	7.50	28.81	30.85	33.25	0.0%	0.0%	0.0%	0.0%
SDC (Display Panel)	8.15	31.08	29.20	28.83	8.15	31.08	29.20	28.83	0.0%	0.0%	0.0%	0.0%
AM OLED	8.15	31.08	29.20	28.83	8.15	31.08	29.20	28.83	0.0%	0.0%	0.0%	0.0%
DX	49.70	192.28	182.07	186.12	49.70	192.28	182.07	186.12	0.0%	0.0%	0.0%	0.0%
MX/NW (Mobile, Networks)	35.50	135.22	125.55	128.67	35.50	135.22	125.55	128.67	0.0%	0.0%	0.0%	0.0%
Mobile	34.81	132.28	122.22	125.26	34.81	132.28	122.22	125.26	0.0%	0.0%	0.0%	0.0%
Handset	28.19	105.43	96.68	99.58	28.19	105.43	96.68	99.58	0.0%	0.0%	0.0%	0.0%
PC	4.70	18.81	18.05	17.91	4.70	18.81	18.05	17.91	0.0%	0.0%	0.0%	0.0%
Tablet	1.92	8.04	7.49	7.76	1.92	8.04	7.49	7.76	0.0%	0.0%	0.0%	0.0%
Equipment and others	0.69	2.94	3.33	3.42	0.69	2.94	3.33	3.42	0.0%	0.0%	0.0%	0.0%
VD/DA (Visual Display, Appliances)	14.19	57.06	56.52	57.45	14.19	57.06	56.52	57.45	0.0%	0.0%	0.0%	0.0%
Visual Display	7.71	31.24	30.32	30.92	7.71	31.24	30.32	30.92	0.0%	0.0%	0.0%	0.0%
Appliances and others	6.49	25.82	26.20	26.52	6.49	25.82	26.20	26.52	0.0%	0.0%	0.0%	0.0%
Harman	4.49	17.77	17.87	18.70	4.49	17.77	17.87	18.70	0.0%	0.0%	0.0%	0.0%
Operating profit	111.60	379.01	561.70	650.27	111.60	379.01	561.69	650.24	0.0%	0.0%	0.0%	0.0%
DS (Semiconductor)	111.96	376.11	553.62	640.40	111.95	376.10	553.61	640.37	0.0%	0.0%	0.0%	0.0%
Semiconductor	111.95	376.09	553.58	640.36	111.94	376.08	553.57	640.33	0.0%	0.0%	0.0%	0.0%
Memory	113.10	381.40	554.30	638.61	113.10	381.39	554.30	638.58	0.0%	0.0%	0.0%	0.0%
DRAM	85.22	291.12	429.38	513.70	85.22	291.11	429.37	513.68	0.0%	0.0%	0.0%	0.0%
NAND	27.88	90.33	124.91	124.90	27.88	90.33	124.92	124.88	0.0%	0.0%	0.0%	0.0%
System LSI / Foundry	(1.16)	(5.31)	(0.72)	1.75	(1.16)	(5.32)	(0.73)	1.75	n.m.	n.m.	n.m.	0.3%
SDC (Display Panel)	0.98	3.16	3.18	3.36	0.98	3.16	3.17	3.36	0.0%	0.0%	0.0%	0.0%
AM OLED	0.98	3.16	3.18	3.36	0.98	3.16	3.17	3.36	0.0%	0.0%	0.0%	0.0%
DX	(1.68)	(1.53)	3.33	4.94	(1.68)	(1.52)	3.33	4.94	n.m.	n.m.	0.0%	0.0%
MX/NW (Mobile, Networks)	(1.39)	(0.97)	2.78	4.02	(1.39)	(0.97)	2.78	4.02	n.m.	n.m.	0.0%	0.0%
Mobile	(1.46)	(1.27)	2.40	3.62	(1.46)	(1.26)	2.40	3.62	n.m.	n.m.	0.0%	0.0%
Handset	(1.28)	(0.89)	2.59	3.35	(1.28)	(0.89)	2.59	3.35	n.m.	n.m.	0.0%	0.0%
PC	(0.14)	(0.38)	(0.54)	(0.18)	(0.14)	(0.38)	(0.54)	(0.18)	n.m.	n.m.	n.m.	n.m.
Tablet	(0.04)	0.00	0.35	0.45	(0.04)	0.00	0.35	0.45	n.m.	0.0%	0.0%	0.0%
Equipment and others	0.07	0.30	0.38	0.40	0.07	0.30	0.38	0.40	0.0%	0.0%	0.0%	0.0%
VD/DA (Visual Display, Appliances)	(0.30)	(0.56)	0.56	0.92	(0.30)	(0.56)	0.56	0.92	n.m.	n.m.	0.0%	0.0%
Visual Display	0.03	0.53	0.60	0.65	0.03	0.53	0.60	0.65	0.0%	0.0%	0.0%	0.0%
Appliances and others	(0.32)	(1.08)	(0.05)	0.28	(0.32)	(1.08)	(0.05)	0.28	n.m.	n.m.	n.m.	0.0%
Harman	0.41	1.48	1.74	1.85	0.41	1.48	1.74	1.85	0.0%	0.0%	0.0%	0.0%
OP Margin (%)	54.3%	52.6%	60.5%	61.5%	54.3%	52.6%	60.5%	61.5%				
DS (Semiconductor)	73.0%	71.6%	75.3%	74.6%	73.0%	71.6%	75.3%	74.6%				
Semiconductor	73.0%	71.6%	75.3%	74.6%	73.0%	71.6%	75.3%	74.5%				
Memory	77.6%	76.8%	78.7%	77.3%	77.6%	76.8%	78.7%	77.3%				
DRAM	81.8%	80.7%	83.0%	81.6%	81.8%	80.7%	83.0%	81.6%				
NAND	67.2%	65.3%	67.1%	64.0%	67.2%	65.3%	67.1%	64.0%				
System LSI / Foundry	-15.4%	-18.4%	-2.3%	5.3%	-15.5%	-18.4%	-2.4%	5.3%				
SDC (Display Panel)	12.0%	10.2%	10.9%	11.6%	12.0%	10.2%	10.9%	11.6%				
AM OLED	12.0%	10.2%	10.9%	11.6%	12.0%	10.2%	10.9%	11.6%				
DX	-3.4%	-0.8%	1.8%	2.7%	-3.4%	-0.8%	1.8%	2.7%				
MX/NW (Mobile, Networks)	-3.9%	-0.7%	2.2%	3.1%	-3.9%	-0.7%	2.2%	3.1%				
Mobile	-4.2%	-1.0%	2.0%	2.9%	-4.2%	-1.0%	2.0%	2.9%				
Handset	-4.5%	-0.8%	2.7%	3.4%	-4.5%	-0.8%	2.7%	3.4%				
PC	-3.0%	-2.0%	-3.0%	-1.0%	-3.0%	-2.0%	-3.0%	-1.0%				
Tablet	-2.0%	0.0%	4.7%	5.7%	-2.0%	0.0%	4.7%	5.7%				
Equipment and others	10.0%	10.1%	11.4%	11.8%	10.0%	10.1%	11.4%	11.8%				
VD/DA (Visual Display, Appliances)	-2.1%	-1.0%	1.0%	1.6%	-2.1%	-1.0%	1.0%	1.6%				
Visual Display	0.4%	1.7%	2.0%	2.1%	0.4%	1.7%	2.0%	2.1%				
Appliances and others	-5.0%	-4.2%	-0.2%	1.0%	-5.0%	-4.2%	-0.2%	1.0%				
Harman	9.1%	8.3%	9.8%	9.9%	9.1%	8.3%	9.8%	9.9%				
Pre-tax profit	113.88	392.38	603.43	735.40	113.87	390.31	576.45	676.04	0.0%	0.5%	4.7%	8.8%
Net profit	87.50	302.10	463.88	565.50	87.49	300.51	443.10	519.79	0.0%	0.5%	4.7%	8.8%
EPS (W)	13,324	46,004	71,848	87,588	13,303	45,623	67,378	79,040	0.2%	0.8%	6.6%	10.8%

Source: Company data, Goldman Sachs Global Investment Research

Exhibit 2: SEC shareholder return policy history

SEC Shareholder return policy history		
FY2015-2017	Policy	Total shareholder return of 33.5tn KRW Target initially set at 30–50% of FCF in 2015 and raised to 50% in 2016-2017 Started quarterly dividends from 1Q17
	Dividend	Total dividend of 12.9tn KRW during the period
	Share Buyback	Total share buyback of 20.6tn KRW during the period Cancelled 50% of total treasury shares in 2017.05.02
FY2018-2020	Policy	Total shareholder return of 39.6tn KRW Excluded M&A investments from FCF calculations to ensure stable shareholder returns Set shareholder return target to minimum 50% of FCF Shifted FCF return standard from 1-year to 3-year basis to prevent fluctuations
	Dividend	Total dividend of 39.6tn KRW Annual regular dividend of 9.6tn KRW Paid out 10.7tn KRW as special cash dividend
	Share Buyback	Cancelled rest of treasury shares in 2018.12.04
FY2021-2023	Policy	Total shareholder return of 29.4tn KRW Maintained 50% FCF return policy
	Dividend	Total dividend of 29.4tn KRW Annual regular dividend of 9.8tn KRW
FY2024-2026	Policy	Maintained 50% FCF return policy
	Dividend	Annual regular dividend of 9.8tn KRW Paid out 1.3tn KRW of special dividend
	Share Buyback	Announced share buyback of 10tn KRW in 2024, cancelled in 2025/2026

Source: Company data, Goldman Sachs Global Investment Research

Exhibit 3: SEC peer shareholder return policy

Peers	Date	Specifics
Micron	2026.07.25	Increase capital return from December 9th (2nd anniversary of CHIPS agreement) Expect to return 100% of excess cash to shareholders over the long-term
SanDisk	2026.05.01	\$6 billion share buyback program of outstanding shares of common stock
	2026.08.06	\$14 billion additional share buyback, remaining \$15.5 billion of share buyback
Kioxia	2026.08.01	Stock split with a ratio of 3:1 Share repurchase of 30 mn shares worth JPY800bn
Hynix	2026.08.20	Promised to Return 50%+ of FCF (prev. maximum 50% of FCF) W40 trillion worth of share buyback/cancellation Considering to expand dividend (fixed & special) Plans to update detailed shareholder return plan around 3Q26 earnings call

Source: Company data, Goldman Sachs Global Investment Research

Price Target Risks and Methodology – Samsung Electronics

Valuation methodology: Our 12m 2026–2027E EV/EBITDA-based SOTP target price for the common share is W490,000. Our 12-month target price for the preference share is W360,000, which is based on our target preferred-to-common shares discount of 27%, derived from averaging: 1) the preferred discount of the 2-factor model and 2) the average preference share discount to common shares during the past 1 month. We are Buy rated on both the common and preference shares.

Key downside risks: 1) major deterioration in memory supply/demand, 2) sharp contraction in smartphone margins, and 3) mobile OLED market share loss.

Investment Thesis – Samsung Electronics

Samsung Electronics (SEC) is one of the largest tech companies in the world, with the #1 market share in several products including memory chips, OLED panels, smartphones, and TVs. We expect the strong earnings power led by memory to continue, supported by our expectation of solid memory pricing continuing and also remaining at an elevated

level. We expect this to be helped by the long-term agreements (LTA) with customers, with a higher level of binding commitment likely this time compared to the past. The company is starting to show meaningful progress in HBM, and also considering the higher scope for meaningful shareholder returns, we remain constructive on the name and reiterate our Buy rating.

Disclosure Appendix

Reg AC

We, Giuni Lee, Taeyong Lee and Daiki Takayama, hereby certify that all of the views expressed in this report accurately reflect our personal views about the subject company or companies and its or their securities. We also certify that no part of our compensation was, is or will be, directly or indirectly, related to the specific recommendations or views expressed in this report.

Unless otherwise stated, the individuals listed on the cover page of this report are analysts in Goldman Sachs' Global Investment Research division.

Contributing Authors: Giuni Lee Goldman Sachs (Singapore) Pte, Taeyong Lee Goldman Sachs (Asia) L.L.C., Seoul Branch, Daiki Takayama Goldman Sachs Japan Co., Ltd..

Unless otherwise stated, the individuals listed in the Contributing Authors disclosure of this report are analysts in Goldman Sachs' Global Investment Research division.

GS Factor Profile

The Goldman Sachs Factor Profile provides investment context for a stock by comparing key attributes to the market (i.e. our universe of rated stocks) and its sector peers. The key attributes depicted are: Growth, Financial Returns, Multiple (e.g. valuation) and Integrated (a composite of Growth, Financial Returns and Multiple). Growth, Financial Returns and Multiple are calculated by using normalized ranks for specific metrics for each stock. The normalized ranks for the metrics are then averaged and converted into percentiles for the relevant attribute. The precise calculation of each metric may vary depending on the fiscal year, industry and region, but the standard approach is as follows:

Growth is based on a stock's forward-looking sales growth, EBITDA growth and EPS growth (or financial stocks, only EPS and sales growth), with a higher percentile indicating a higher growth company. **Financial Returns** is based on a stock's forward-looking ROE, ROCE and CROCI (or financial stocks, only ROE), with a higher percentile indicating a company with higher financial returns. **Multiple** is based on a stock's forward-looking P/E, P/B, price/dividend (P/D), EV/EBITDA, EV/FCF and EV/Debt Adjusted Cash Flow (DACF) (or financial stocks, only P/E, P/B and P/D), with a higher percentile indicating a stock trading at a higher multiple. The **Integrated** percentile is calculated as the average of the Growth percentile, Financial Returns percentile and (100% - Multiple percentile).

Financial Returns and Multiple use the Goldman Sachs analyst forecasts at the fiscal year-end at least three quarters in the future. Growth uses inputs or the fiscal year at least seven quarters in the future compared with the year at least three quarters in the future (on a per-share basis for all metrics).

For a more detailed description of how we calculate the GS Factor Profile, please contact your GS representative.

M&A Rank

Across our global coverage, we examine stocks using an M&A framework, considering both qualitative factors and quantitative factors (which may vary across sectors and regions) to incorporate the potential that certain companies could be acquired. We then assign a M&A rank as a means of scoring companies under our rated coverage from 1 to 3, with 1 representing high (30%-50%) probability of the company becoming an acquisition target, 2 representing medium (15%-30%) probability and 3 representing low (0%-15%) probability. For companies ranked 1 or 2, in line with our standard departmental guidelines we incorporate an M&A component into our target price. M&A rank of 3 is considered immaterial and therefore does not factor into our price target, and may or may not be discussed in research.

Quantum

Quantum is Goldman Sachs' proprietary database providing access to detailed financial statement histories, forecasts and ratios. It can be used for in-depth analysis of a single company, or to make comparisons between companies in different sectors and markets.

Disclosures

The rating(s) for Samsung Electronics and Samsung Electronics (Pref) is/are relative to the other companies in its/their coverage universe:

Hansol Chemical, LG Display, LG Electronics, LG Innotek Co., SK Hynix Inc., SKC, Samsung Electro-Mechanics, Samsung Electronics, Samsung Electronics (Pref)

Company-specific regulatory disclosures

The following disclosures relate to relationships between The Goldman Sachs Group, Inc. (with its affiliates, "Goldman Sachs") and companies covered by Goldman Sachs Global Investment Research and referred to in this research.

Goldman Sachs has received compensation or investment banking services in the past 12 months: Samsung Electronics (W281,500) and Samsung Electronics (Pref) (W207,000)

Goldman Sachs expects to receive or intends to seek compensation or investment banking services in the next 3 months: Samsung Electronics (W281,500) and Samsung Electronics (Pref) (W207,000)

Goldman Sachs had an investment banking services client relationship during the past 12 months with: Samsung Electronics (W281,500) and Samsung Electronics (Pref) (W207,000)

Goldman Sachs had a non-investment banking securities-related services client relationship during the past 12 months with: Samsung Electronics (W281,500) and Samsung Electronics (Pref) (W207,000)

Goldman Sachs had a non-securities services client relationship during the past 12 months with: Samsung Electronics (W281,500) and Samsung Electronics (Pref) (W207,000)

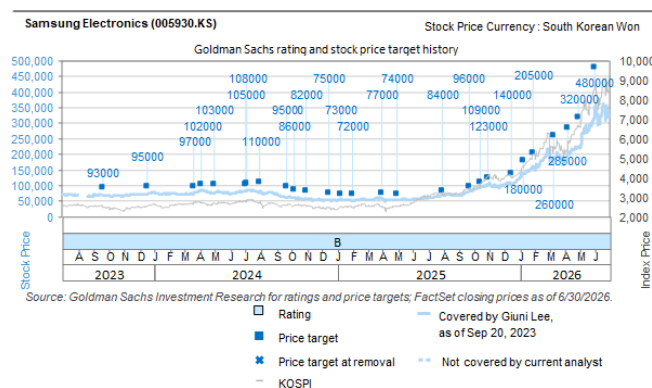
Distribution of ratings/investment banking relationships

Goldman Sachs Investment Research global Equity coverage universe

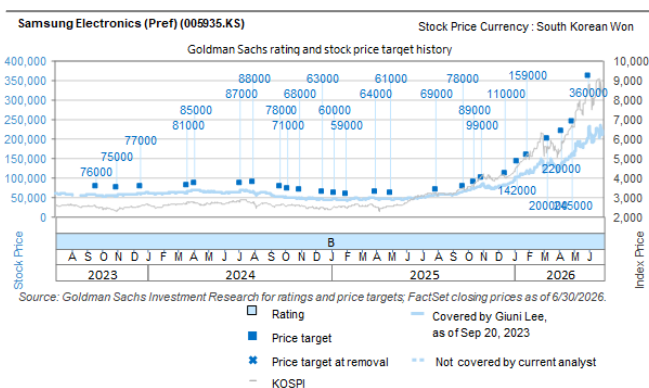
	Rating Distribution				Investment Banking Relationships		
	Buy	Hold	Sell		Buy	Hold	Sell
Global	50%	34%	16%		65%	59%	43%

As of July 1, 2026, Goldman Sachs Global Investment Research had investment ratings on 3,104 equity securities. Goldman Sachs assigns stocks as Buys and Sells on various regional Investment Lists; stocks not so assigned are deemed Neutral. Such assignments equate to Buy, Hold and Sell for the purposes of the above disclosure required by the FINRA Rules. See 'Ratings, Coverage universe and related definitions' below. The Investment Banking Relationships chart reflects the percentage of subject companies within each rating category for whom Goldman Sachs has provided investment banking services within the previous twelve months.

Price target and rating history chart(s)



The price targets shown should be considered in the context of all prior published Goldman Sachs research, which may or may not have included price targets, as well as developments relating to the company, its industry and financial markets.



The price targets shown should be considered in the context of all prior published Goldman Sachs research, which may or may not have included price targets, as well as developments relating to the company, its industry and financial markets.

Target price history table(s)

Samsung Electronics (Pref) (005935.KS)

Date of report	Target price (W)	Closing price (W)
31-May-26	360,000	202,500
30-Apr-26	245,000	158,300
07-Apr-26	220,000	130,900
11-Mar-26	200,000	138,900
29-Jan-26	159,000	115,600
08-Jan-26	142,000	101,900
16-Dec-25	110,000	79,800
30-Oct-25	99,000	82,500
14-Oct-25	89,000	72,300
22-Sep-25	78,000	66,700
31-Jul-25	69,000	57,600
01-May-25	61,000	46,850
01-Apr-25	64,000	47,700
02-Feb-25	59,000	43,000
08-Jan-25	60,000	46,800
16-Dec-24	63,000	46,550
31-Oct-24	68,000	47,950
08-Oct-24	71,000	49,900
23-Sep-24	78,000	52,400
31-Jul-24	88,000	64,900
05-Jul-24	87,000	68,000
05-Apr-24	85,000	69,000
21-Mar-24	81,000	65,800
17-Dec-23	77,000	59,300
31-Oct-23	75,000	53,600
20-Sep-23	76,000	56,100

Samsung Electronics (005930.KS)

Date of report	Target price (W)	Closing price (W)
30-Jul-26	490,000	207,000
31-May-26	480,000	317,000
30-Apr-26	320,000	220,500
07-Apr-26	285,000	196,500
11-Mar-26	260,000	190,000
29-Jan-26	205,000	160,700
08-Jan-26	180,000	138,800
16-Dec-25	140,000	102,800
30-Oct-25	123,000	104,100
14-Oct-25	109,000	91,600
22-Sep-25	96,000	83,500
31-Jul-25	84,000	71,400
01-May-25	74,000	55,500
01-Apr-25	77,000	58,800
02-Feb-25	72,000	52,400
08-Jan-25	73,000	57,300
16-Dec-24	75,000	55,600
31-Oct-24	82,000	59,200
08-Oct-24	86,000	60,300
23-Sep-24	95,000	62,600
31-Jul-24	110,000	83,900
05-Jul-24	108,000	87,100
01-Jul-24	105,000	81,800
30-Apr-24	103,000	77,500
05-Apr-24	102,000	84,500
21-Mar-24	97,000	79,300
17-Dec-23	95,000	73,300
20-Sep-23	93,000	69,600

Price targets shown in table(s) are unadjusted for corporate actions.

Regulatory disclosures

Disclosures required by United States laws and regulations

See company-specific regulatory disclosures above for any of the following disclosures required as to companies referred to in this report: manager or co-manager in a pending transaction; 1% or other ownership; compensation for certain services; types of client relationships; managed/co-managed

public offerings in prior periods; directorships; registered market maker. Goldman Sachs trades or may trade as a principal in debt securities (or in related derivatives) of issuers discussed in this report.

The following are additional required disclosures: **Ownership and material conflicts of interest:** Goldman Sachs policy prohibits its analysts, professionals reporting to analysts and members of their households from owning securities of any company in the analyst's area of coverage. **Analyst compensation:** Analysts are paid in part based on the profitability of Goldman Sachs, which includes investment banking revenues. **Analyst as officer or director:** Goldman Sachs policy generally prohibits its analysts, persons reporting to analysts or members of their households from serving as an officer, director or advisor of any company in the analyst's area of coverage. **Non-U.S. Analysts:** Non-U.S. analysts may not be associated persons of Goldman Sachs & Co. LLC and therefore may not be subject to FINRA Rule 2241 or FINRA Rule 2242 restrictions on communications with a subject company, public appearances and trading in securities covered by the analysts.

Additional disclosures required under the laws and regulations of jurisdictions other than the United States

The following disclosures are those required by the jurisdiction indicated, except to the extent already made above pursuant to United States laws and regulations. **Australia:** Goldman Sachs Australia Pty Ltd and its affiliates are not authorised deposit-taking institutions (as that term is defined in the Banking Act 1959 (Cth)) in Australia and do not provide banking services, nor carry on a banking business, in Australia. This research, and any access to it, is intended only for "wholesale clients" within the meaning of the Australian Corporations Act, unless otherwise agreed by Goldman Sachs. In producing research reports, members of Global Investment Research of Goldman Sachs Australia may attend site visits and other meetings hosted by the companies and other entities which are the subject of its research reports. In some instances the costs of such site visits or meetings may be met in part or in whole by the issuers concerned if Goldman Sachs Australia considers it is appropriate and reasonable in the specific circumstances relating to the site visit or meeting. To the extent that the contents of this document contains any financial product advice, it is general advice only and has been prepared by Goldman Sachs without taking into account a client's objectives, financial situation or needs. A client should, before acting on any such advice, consider the appropriateness of the advice having regard to the client's own objectives, financial situation and needs. A copy of certain Goldman Sachs Australia and New Zealand disclosure of interests and a copy of Goldman Sachs' Australian Sell-Side Research Independence Policy Statement are available at: <https://www.goldmansachs.com/disclosures/australia-new-zealand/index.html>. **Brazil:** Disclosure information in relation to CVM Resolution n. 20 is available at <https://www.gs.com/worldwide/brazil/area/gir/index.html>. Where applicable, the Brazil-registered analyst primarily responsible for the content of this research report, as defined in Article 20 of CVM Resolution n. 20, is the first author named at the beginning of this report, unless indicated otherwise at the end of the text. **Canada:** This information is being provided to you for information purposes only and is not, and under no circumstances should be construed as, an advertisement, offering or solicitation by Goldman Sachs & Co. LLC for purchasers of securities in Canada to trade in any Canadian security. Goldman Sachs & Co. LLC is not registered as a dealer in any jurisdiction in Canada under applicable Canadian securities laws and generally is not permitted to trade in Canadian securities and may be prohibited from selling certain securities and products in certain jurisdictions in Canada. If you wish to trade in any Canadian securities or other products in Canada please contact Goldman Sachs Canada Inc., an affiliate of The Goldman Sachs Group Inc., or another registered Canadian dealer. **Hong Kong:** Further information on the securities of covered companies referred to in this research may be obtained on request from Goldman Sachs (Asia) L.L.C. **India:** Further information on the subject company or companies referred to in this research may be obtained from Goldman Sachs (India) Securities Private Limited, Research Analyst - SEBI Registration Number INH000001493, 10th Floor, Ascent-Worli, Sudam Kalu Ahire Marg, Worli, Mumbai-400 025, India, Corporate Identity Number U74140MH2006FTC160634, Phone +91 22 6616 9000, Fax +91 22 6616 9001. Goldman Sachs may beneficially own 1% or more of the securities (as such term is defined in clause 2 (h) the Indian Securities Contracts (Regulation) Act, 1956) of the subject company or companies referred to in this research report. Registration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors. Goldman Sachs (India) Securities Private Limited compliance officer and investor grievance contact details, a copy of the annual compliance audit report and other relevant information and disclosures can be found at this link: <https://www.goldmansachs.com/worldwide/india/research-analyst>. **Japan:** See below. **Korea:** This research, and any access to it, is intended only for "professional investors" within the meaning of the Financial Services and Capital Markets Act, unless otherwise agreed by Goldman Sachs. Further information on the subject company or companies referred to in this research may be obtained from Goldman Sachs (Asia) L.L.C., Seoul Branch. **New Zealand:** Goldman Sachs New Zealand Limited and its affiliates are neither "registered banks" nor "deposit takers" (as defined in the Reserve Bank of New Zealand Act 1989) in New Zealand. This research, and any access to it, is intended for "wholesale clients" (as defined in the Financial Advisers Act 2008) unless otherwise agreed by Goldman Sachs. A copy of certain Goldman Sachs Australia and New Zealand disclosure of interests is available at: <https://www.goldmansachs.com/disclosures/australia-new-zealand/index.html>. **Russia:** Research reports distributed in the Russian Federation are not advertising as defined in the Russian legislation, but are information and analysis not having product promotion as their main purpose and do not provide appraisal within the meaning of the Russian legislation on appraisal activity. Research reports do not constitute a personalized investment recommendation as defined in Russian laws and regulations, are not addressed to a specific client, and are prepared without analyzing the financial circumstances, investment profiles or risk profiles of clients. Goldman Sachs assumes no responsibility for any investment decisions that may be taken by a client or any other person based on this research report. **Singapore:** Goldman Sachs (Singapore) Pte. (Company Number: 198602165W), which is regulated by the Monetary Authority of Singapore, accepts legal responsibility for this research, and should be contacted with respect to any matters arising from, or in connection with, this research. **Taiwan:** This material is for reference only and must not be reprinted without permission. Investors should carefully consider their own investment risk. Investment results are the responsibility of the individual investor. **United Kingdom:** Persons who would be categorized as retail clients in the United Kingdom, as such term is defined in the rules of the Financial Conduct Authority, should read this research in conjunction with prior Goldman Sachs research on the covered companies referred to herein and should refer to the risk warnings that have been sent to them by Goldman Sachs International. A copy of these risks warnings, and a glossary of certain financial terms used in this report, are available from Goldman Sachs International on request.

European Union and United Kingdom: Disclosure information in relation to Article 6 (2) of the European Commission Delegated Regulation (EU) (2016/958) supplementing Regulation (EU) No 596/2014 of the European Parliament and of the Council (including as that Delegated Regulation is implemented into United Kingdom domestic law and regulation following the United Kingdom's departure from the European Union and the European Economic Area) with regard to regulatory technical standards for the technical arrangements for objective presentation of investment recommendations or other information recommending or suggesting an investment strategy and for disclosure of particular interests or indications of conflicts of interest is available at <https://www.gs.com/disclosures/europeanpolicy.html> which states the European Policy for Managing Conflicts of Interest in Connection with Investment Research.

Japan: Goldman Sachs Japan Co., Ltd. is a Financial Instrument Dealer registered with the Kanto Financial Bureau under registration number Kinsho 69, and a member of Japan Securities Dealers Association, Financial Futures Association of Japan Type II Financial Instruments Firms Association, and Investment Management Association of Japan. Sales and purchase of equities are subject to commission pre-determined with clients plus consumption tax. See company-specific disclosures as to any applicable disclosures required by Japanese stock exchanges, the Japanese Securities Dealers Association or the Japanese Securities Finance Company.

Ratings, coverage universe and related definitions

Buy (B), Neutral (N), Sell (S) Analysts recommend stocks as Buys or Sells for inclusion on various regional Investment Lists. Being assigned a Buy or Sell on an Investment List is determined by a stock's total return potential relative to its coverage universe. Any stock not assigned as a Buy or a Sell on an Investment List with an active rating (i.e., a stock that is not Rating Suspended, Not Rated, Early-Stage Biotech, Coverage Suspended or Not Covered), is deemed Neutral. Each region manages Regional Conviction Lists, which are selected from Buy rated stocks on the respective region's Investment Lists and represent investment recommendations focused on the size of the total return potential and/or the likelihood of the realization of the return across

their respective areas of coverage. The addition or removal of stocks from such Conviction Lists are managed by the Investment Review Committee or other designated committee in each respective region and do not represent a change in the analysts' investment rating for such stocks.

Total return potential represents the upside or downside differential between the current share price and the price target, including all paid or anticipated dividends, expected during the time horizon associated with the price target. Price targets are required for all covered stocks. The total return potential, price target and associated time horizon are stated in each report adding or reiterating an Investment List membership.

Coverage Universe: A list of all stocks in each coverage universe is available by primary analyst, stock and coverage universe at <https://www.gs.com/research/hedge.html>.

Not Rated (NR). The investment rating, target price and earnings estimates (where relevant) are removed pursuant to Goldman Sachs policy when Goldman Sachs is acting in an advisory capacity in a merger or in a strategic transaction involving this company, when there are legal, regulatory or policy constraints due to Goldman Sachs' involvement in a transaction, and in certain other circumstances. **Early-Stage Biotech (ES).** An investment rating and a target price are not assigned pursuant to Goldman Sachs policy when this company has neither a drug, treatment or medical device that has passed a Phase II clinical trial nor a license to distribute a post-Phase II drug, treatment or medical device. **Rating Suspended (RS).** Goldman Sachs Research has suspended the investment rating and price target for this stock, because there is not a sufficient fundamental basis for determining an investment rating or target price. The previous investment rating and target price, if any, are no longer in effect for this stock and should not be relied upon. **Coverage Suspended (CS).** Goldman Sachs has suspended coverage of this company. **Not Covered (NC).** Goldman Sachs does not cover this company.

Global product; distributing entities

Goldman Sachs Global Investment Research produces and distributes research products for clients of Goldman Sachs on a global basis. Analysts based in Goldman Sachs offices around the world produce research on industries and companies, and research on macroeconomics, currencies, commodities and portfolio strategy. This research is disseminated in Australia by Goldman Sachs Australia Pty Ltd (ABN 21 006 797 897); in Brazil by Goldman Sachs do Brasil Corretora de Títulos e Valores Mobiliários S.A.; Public Communication Channel Goldman Sachs Brazil: 0800 727 5764 and / or contatogoldmanbrasil@gs.com. Available Weekdays (except holidays), from 9am to 6pm. Canal de Comunicação com o Público Goldman Sachs Brasil: 0800 727 5764 e/ou contatogoldmanbrasil@gs.com. Horário de funcionamento: segunda-feira à sexta-feira (exceto feriados), das 9h às 18h; in Canada by Goldman Sachs & Co. LLC; in Hong Kong by Goldman Sachs (Asia) L.L.C.; in India by Goldman Sachs (India) Securities Private Ltd.; in Japan by Goldman Sachs Japan Co., Ltd.; in the Republic of Korea by Goldman Sachs (Asia) L.L.C., Seoul Branch; in New Zealand by Goldman Sachs New Zealand Limited; in Russia by OOO Goldman Sachs; in Singapore by Goldman Sachs (Singapore) Pte. (Company Number: 198602165W); and in the United States of America by Goldman Sachs & Co. LLC. Goldman Sachs International has approved this research in connection with its distribution in the United Kingdom.

Goldman Sachs International ("GSI"), authorised by the Prudential Regulation Authority ("PRA") and regulated by the Financial Conduct Authority ("FCA") and the PRA, has approved this research in connection with its distribution in the United Kingdom.

European Economic Area: Goldman Sachs Bank Europe SE ("GSBE") is a credit institution incorporated in Germany and, within the Single Supervisory Mechanism, subject to direct prudential supervision by the European Central Bank and in other respects supervised by German Federal Financial Supervisory Authority (Bundesanstalt für Finanzdienstleistungsaufsicht, BaFin) and Deutsche Bundesbank and disseminates research within the European Economic Area.

General disclosures

This research is for our clients only. Other than disclosures relating to Goldman Sachs, this research is based on current public information that we consider reliable, but we do not represent it is accurate or complete, and it should not be relied on as such. The information, opinions, estimates and forecasts contained herein are as of the date hereof and are subject to change without prior notification. We seek to update our research as appropriate, but various regulations may prevent us from doing so. Other than certain industry reports published on a periodic basis, the large majority of reports are published at irregular intervals as appropriate in the analyst's judgment.

Goldman Sachs conducts a global full-service, integrated investment banking, investment management, and brokerage business. We have investment banking and other business relationships with a substantial percentage of the companies covered by Global Investment Research. Goldman Sachs & Co. LLC, the United States broker dealer, is a member of SIPC (<https://www.sipc.org>).

Our salespeople, traders, and other professionals may provide oral or written market commentary or trading strategies to our clients and principal trading desks that reflect opinions that are contrary to the opinions expressed in this research. Our asset management area, principal trading desks and investing businesses may make investment decisions that are inconsistent with the recommendations or views expressed in this research.

The analysts named in this report may have from time to time discussed with our clients, including Goldman Sachs salespersons and traders, or may discuss in this report, trading strategies that reference catalysts or events that may have a near-term impact on the market price of the equity securities discussed in this report, which impact may be directionally counter to the analyst's published price target expectations for such stocks. Any such trading strategies are distinct from and do not affect the analyst's fundamental equity rating for such stocks, which rating reflects a stock's return potential relative to its coverage universe as described herein.

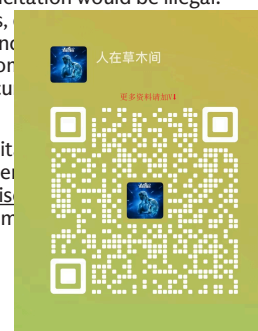
We and our affiliates, officers, directors, and employees will from time to time have long or short positions in, act as principal in, make a market or act as liquidity provider in, and buy or sell, any securities, derivatives, or other financial instruments referred to in this research (including any financial instruments issued by the companies referred to herein), unless otherwise prohibited by regulation or Goldman Sachs policy.

The views attributed to third party presenters at Goldman Sachs arranged conferences, including individuals from other parts of Goldman Sachs, do not necessarily reflect those of Global Investment Research and are not an official view of Goldman Sachs.

Any third party referenced herein, including any salespeople, traders and other professionals or members of their household, may have positions in the products mentioned that are inconsistent with the views expressed by analysts named in this report.

This research is not an offer to sell or the solicitation of an offer to buy any security in any jurisdiction where such an offer or solicitation would be illegal. It does not constitute a personal recommendation or take into account the particular investment objectives, financial situations, or needs of any client. Clients should consider whether any advice or recommendation in this research is suitable for their particular circumstances and should seek professional advice, including tax advice. The price and value of investments referred to in this research and the income from investments may fluctuate. Past performance is not a guide to future performance, future returns are not guaranteed, and a loss of original capital may occur. Exchange rates could have adverse effects on the value or price of, or income derived from, certain investments.

Certain transactions, including those involving futures, options, and other derivatives, give rise to substantial risk and are not suitable for all investors. Investors should review current options and futures disclosure documents which are available from Goldman Sachs sales representatives at <https://www.theocc.com/about/publications/character-risks.jsp> and https://www.goldmansachs.com/disclosures/cftc_fcm_disclosures. Costs may be significant in option strategies calling for multiple purchase and sales of options such as spreads. Supporting documents



supplied upon request.

Differing Levels of Service provided by Global Investment Research: The level and types of services provided to you by Goldman Sachs Global Investment Research may vary as compared to that provided to internal and other external clients of GS, depending on various factors including your individual preferences as to the frequency and manner of receiving communication, your risk profile and investment focus and perspective (e.g., marketwide, sector specific, long term, short term), the size and scope of your overall client relationship with GS, and legal and regulatory constraints. As an example, certain clients may request to receive notifications when research on specific securities is published, and certain clients may request that specific data underlying analysts' fundamental analysis available on our internal client websites be delivered to them electronically through data feeds or otherwise. No change to an analyst's fundamental research views (e.g., ratings, price targets, or material changes to earnings estimates for equity securities), will be communicated to any client prior to inclusion of such information in a research report broadly disseminated through electronic publication to our internal client websites or through other means, as necessary, to all clients who are entitled to receive such reports.

All research reports are disseminated and available to all clients simultaneously through electronic publication to our internal client websites. Not all research content is redistributed to our clients or available to third-party aggregators, nor is Goldman Sachs responsible for the redistribution of our research by third party aggregators. For research, models or other data related to one or more securities, markets or asset classes (including related services) that may be available to you, please contact your GS representative or go to <https://research.gs.com>.

Disclosure information is also available at <https://www.gs.com/research/hedge.html> or from Research Compliance, 200 West Street, New York, NY 10282.

© 2026 Goldman Sachs.

You are permitted to store, display, analyze, modify, reformat, and print the information made available to you via this service only for your own use. You may not resell or reverse engineer this information to calculate or develop any index for disclosure and/or marketing or create any other derivative works or commercial product(s), data or offering(s) without the express written consent of Goldman Sachs. You are not permitted to publish, transmit, or otherwise reproduce this information, in whole or in part, in any format to any third party without the express written consent of Goldman Sachs. This foregoing restriction includes, without limitation, using, extracting, downloading or retrieving this information, in whole or in part, to train or finetune a machine learning or artificial intelligence system, or to provide or reproduce this information, in whole or in part, as a prompt or input to any such system.