

U.S. IT Hardware

Sandisk: How high can estimates and the stock go? Raising estimates and TP to \$1,250, with blue-sky scenario at \$3000



Mark C. Newman
+1 212 845 7822
mark.newman@bernsteinsg.com



April Li
+1 917 344 8339
april.li@bernsteinsg.com



Phoebe Sun
+1 917 344 8481
phoebe.sun@bernsteinsg.com

With the backdrop of accelerating NAND price hikes and worries around Turboquant and peak earnings, where to from here? SNDK reports FQ3'26 on April 30th.

Turboquant and how it impacts NAND demand. As explained in our recent note (see [here](#)), Turboquant fears were overdone. We go into more detail here on potential impact from Turboquant, which can have some limited impact on NAND but potentially more on DRAM and zero impact on HDD. Overall though we are believers in Jevons paradox and that overall cheaper and more efficient compute will generally drive demand for more compute (and thus more memory and storage).

We raise SNDK estimates again significantly on better than expected NAND prices. As explained in our recent [MEMORY TRACKER \(March\)](#), memory prices continue to surprise to the upside with NAND showing the strongest increases and continued acceleration. We bump up our **FY27 non-GAAP EPS to \$144 and \$224 in our base case and bull case respectively** on stronger NAND ASP.

For FQ3'26 (March quarter) we are now at \$14.18 vs. consensus at \$13.99 and guidance of \$12-14 (non-GAAP EPS). The main opportunity for the beat is the ASP which we have at +55% and see further upside to this number with our bull case at \$17.47, which assumes NAND ASP up 75% (Micron's Feb qtr had NAND prices up high 70s%).

More importantly for the FQ4'26 guide we are at \$25.30 (with a +40% QoQ ASP move) vs. street at \$18.78 (non-GAAP EPS). Plugging in a more aggressive ASP move of 75% in each FQ3 and FQ4 gets us to \$40.53 non-GAAP EPS for FQ4'26 which would translate into \$224 for FY27 showing just how much potential there is for a strong guide. While some data points to ASPs up as much as 100% QoQ, we doubt that would apply to the entire volume for the quarter.

What is the right multiple? Analyzing previous cycles (pre WDC acquisition in 2016), SNDK typically trades 10-13x peak cycle EPS (on 2 year forward estimates). Currently, SNDK is trading at 9.0x consensus, 5.4x and 3.5x on our base and bull cases (respectively all on FY27 EPS). This suggests that the market does not believe the higher side of our estimates are reasonable and/or that there will be an imminent collapse in NAND prices with future upcycles to never return to such levels (the one time super-cycle theory).

Increasing TP to \$1,250, with blue-sky scenario at \$3,000. We think the market is significantly undervaluing earnings power and sustainability of this cycle. Our base-case valuation applies 11x through-cycle earnings, defined as the average of FY26-29 Bern. base-case EPS of \$114, and corresponds to 8.7x FY27 base-case EPS of \$144, in-line with the current multiple on consensus and a level we view as conservative relative to historical peak-cycle multiples. Our \$1,250 TP is also just 5.5x our bull-case FY27 EPS of \$224. Our blue-sky scenario applies 13x (similar to previous peak cycle multiples) on our bull case FY27 EPS to imply \$3,000, highlighting significant asymmetric upside potential. We therefore, **reiterate Outperform (top short-term pick)**.

BERNSTEIN TICKER TABLE

Ticker	Rating	Cur	8 Apr 2026		TTM Rel. Perf.	Adjusted EPS			Adjusted P/E (x)			
			Closing Price	Price Target		Cur	2025A	2026E	2027E	2025A	2026E	2027E
SNDK (SanDisk)	O	USD	780.90	1,250.00	2277.8%	USD	2.32	46.88	143.95	337.3	16.7	5.4
<i>OLD</i>				1,000.00				38.92	90.96			
STX (Seagate)	O	USD	496.30	620.00	609.7%	USD	8.10	12.81	19.52	61.3	38.7	25.4
WDC (Western Digital)	O	USD	338.78	340.00	937.7%	USD	4.80	8.66	12.68	70.6	39.1	26.7
SPX			6,782.81									

PRICE TARGET CHANGE / ESTIMATE CHANGE IN BOLD

O - Outperform, M - Market-Perform, U - Underperform, NR - Not Rated, CS - Coverage Suspended

Source: Bloomberg, Bernstein estimates and analysis.

INVESTMENT IMPLICATIONS

We value SanDisk at 11x our FY26-29 average EPS, or 8.7x FY27 EPS which gives our target price of \$1,250.

We value Seagate at 21x our FY28 EPS of \$29.5, implying \$620 per share. We believe Seagate's improving fundamentals and HAMR leadership easily justifies a 21x P/E, and arguably much higher.

Our TP for WDC is \$340, which is 20x our FY28 EPS. PE of 20x is inline to lower than recent market multiple and arguably conservative given its 5 year EPS CAGR of 46% (FY25-30E)

Table Of Contents

Part I: TurboQuant and How does it affect NAND, DRAM and HDD?.....3
 Part II: Increasing estimates on further NAND price acceleration.....5
 Part III: What is the right multiple?.....7
 Part IV: How high can SNDK go?..... 10

DETAILS

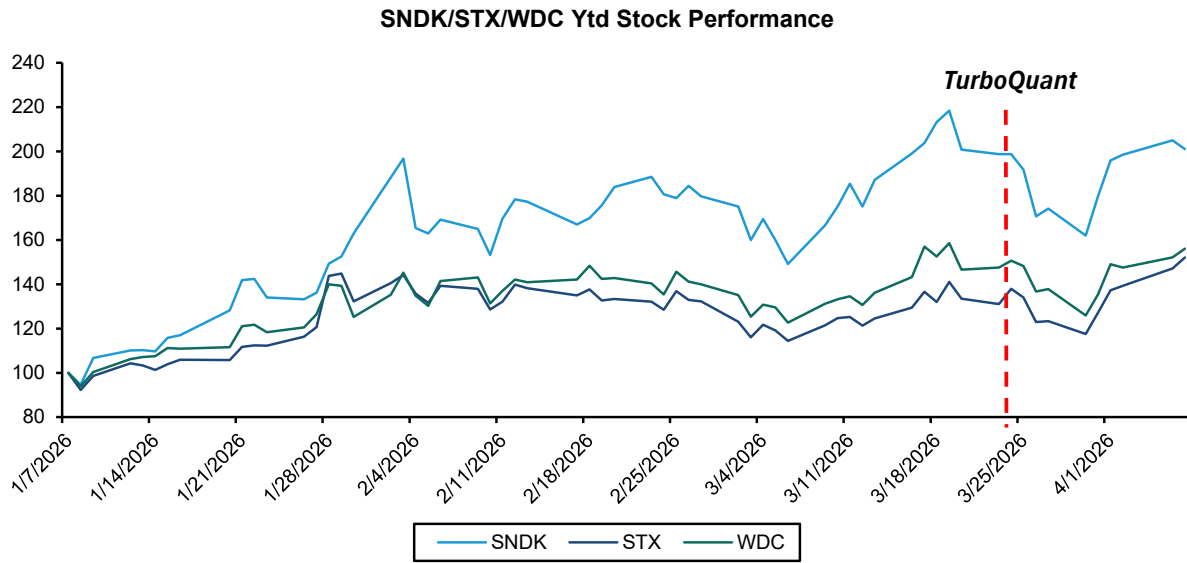
PART I: TURBOQUANT AND HOW DOES IT AFFECT NAND, DRAM AND HDD?

As explained in our recent note (see [here](#)), Turboquant fears were overdone. We go into more detail here on potential impact from Turboquant, which can have some limited impact on NAND but potentially more on DRAM and no impact on HDD. Overall though we are believers in Jevon’s paradox and that overall cheaper and more efficient compute will generally drive demand for more compute (and thus more memory and storage). Following Google’s unveiling of TurboQuant, a KV-cache compression algorithm claiming up to a 6x reduction in memory footprint, SNDK shares fell 19%, or roughly 25% from their YTD peak (STX down 17% from peak; WDC down 21%, [Exhibit 1](#)). We continue to view the NAND outlook as constructive, underpinned by a structural supply shortfall that remains intact even if KV-cache related demand growth moderates at the margin.

TurboQuant is narrowly applicable to the KV cache, which represents only a limited portion of inference-time memory usage. It has no impact on model weights, training workloads, or data stored at rest. Functionally, TurboQuant targets the HBM layer during inference, where KV caches currently reside entirely within GPU HBM or system DRAM. Even without considering Jevons Paradox, NAND remains several tiers removed from the most impacted memory and storage layers. NAND flash serves fundamentally different roles across AI infrastructure, including long-term model storage, training datasets, checkpoints, and general-purpose data at rest. At most, TurboQuant could modestly constrain incremental NAND penetration into future, compute-adjacent use cases tied to KV-cache expansion. However, we do not believe this changes the broader NAND supply-demand trajectory. The industry remains structurally undersupplied following years of underinvestment, while AI-driven storage requirements continue to scale rapidly ([Exhibit 2](#)).

During its most recent earnings call, SNDK management guided to a sharp acceleration in AI-driven demand, with data center exabyte growth for 2026 now expected in the high-60% range, up from mid-20% growth projected just two reporting cycles ago. Importantly, this outlook explicitly excludes any incremental 75-100 EB of potential demand in 2027 that had previously been associated with KV-cache growth. That demand exclusion further reinforces that current growth expectations remain robust even without KV-cache-related contributions.

EXHIBIT 1: **SNDKSTXWDC Ytd Stock Performance**



Source: Bloomberg (updated as of 4/7/26), Bernstein analysis

EXHIBIT 2: **Memory/storage tiers**

Tier	Tech	Latency	KV Cache Role	Potential Impact
Registers/L1	SRAM	<1-20 ns	Transient operands only	
L2 Cache	SRAM	115-200 ns	Pass-through	
HBM	Stacked DRAM	375-500 ns	Primary (40-60% of HBM)- active KV cache during generation	High
System DRAM	DDR5	80-120 ns	Warm cache overflow / swap	Medium
Local NVMe	NAND Flash	50-100 μs	Cold cache offload	Low
Pod NVMe (CMX)	NAND Flash	Sub-ms	Shared KV cache across cluster	Low
Shared Storage	Flash + HDD	~ms	Last resort for KV	Negligible
Nearline HDD	HDD	2-10 ms	No	Zero
Tape	Magnetic	Seconds-minutes	No	

Source: Nvidia technical blog, Bernstein analysis

PART II: INCREASING ESTIMATES ON FURTHER NAND PRICE ACCELERATION

We raise estimates again significantly on better than expected NAND prices. As explained in our recent [MEMORY TRACKER \(March\)](#), memory prices continue to surprise to the upside with NAND showing the strongest increases and continued acceleration. We bump up estimates significantly for **FY27 to \$144 and \$224 (non-GAAP EPS) in our base case and bull case respectively** on stronger NAND ASP.

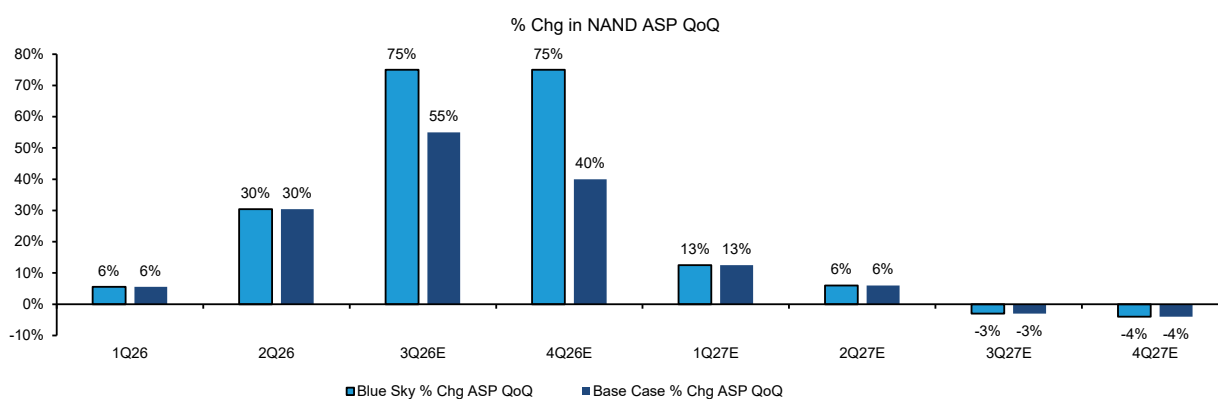
For FQ3'26 (March quarter) we are now at \$14.18 vs. consensus at \$13.99 and guidance of \$12-14 (non-GAAP EPS). The main opportunity for the beat is the ASP which we have at +55% and see further upside to this number with our Upside case at \$17.47, which assumes NAND ASP up 75%. (Micron recently reported NAND prices up high 70s% for their February quarter).

More importantly for the FQ4'26 guide we are at \$25.30 (with a +40% QoQ ASP move) vs. street at \$18.78 (non-GAAP EPS). Plugging in a more aggressive ASP move of 75% gets us to \$40.53 non-GAAP EPS for FQ4'26 which would translate into \$224 for FY27 showing just how much potential there is for a strong guide. While some datapoints point to ASPs up as much as 100% QoQ, we doubt that would apply to the entire volume for the quarter.

The key distinction between our Bernstein base case and blue sky scenario is the trajectory of NAND ASPs, particularly the level and duration of the cycle peak. In our base case, NAND ASP growth peaks in FQ3'26 at 55% QoQ before moderating to 40% QoQ in FQ4'26. By contrast, our blue sky scenario assumes ASP growth of 75% QoQ in both FQ3'26 and FQ4'26, reflecting a higher and more sustained pricing peak ([Exhibit 3](#)).

Our base case is already meaningfully ahead of consensus, while the Blue Sky scenario points to upside well beyond Street expectations. Bloomberg consensus forecasts a 2026-29 average EPS of just \$69.92, well below our base case and effectively representing a bear-case view versus our assumptions. Under our base case, we estimate EPS of \$14.18 in 3Q26 and \$25.30 in 4Q26, ahead of consensus, with a 2026-29 average of \$113.93, which is 63% above the street. In our blue sky scenario, EPS rises to \$17.47 in 3Q26 and \$40.53 in 4Q26, with a through-cycle average of \$167.93, representing 47% upside to our base case and 140% above consensus ([Exhibit 4-Exhibit 7](#)).

EXHIBIT 3: % Chg in NAND ASP QoQ



Source: Company reports, Bernstein estimates and analysis

EXHIBIT 4: Bernstein Base Case vs Consensus vs Blue Sky (bull case)

		FQ3'26	June Qtr	FY2026	FY2027	FY2028	FY2029	26-29 Avg
		FQ3'26	FQ4'26	FY2026	FY2027	FY2028	FY2029	26-29 Avg
Bloomberg cons	Non-GAAP EPS	\$13.99	\$18.78	\$38.53	\$86.94	\$81.65	\$72.54	\$69.92
Bernstein Base Case	ASP change	55.0%	40.0%	85.1%	81.3%	-11.0%	-25.0%	
	Non-GAAP EPS	\$14.18	\$25.30	\$46.88	\$143.95	\$146.54	\$118.35	\$113.93
Blue Sky Scenario	ASP change	75.0%	75.0%	122.3%	113.1%	-11.0%	-35.0%	
	Non-GAAP EPS	\$17.47	\$40.53	\$65.39	\$223.81	\$227.04	\$155.47	\$167.93

Source: Bloomberg, Bernstein estimates and analysis

EXHIBIT 5: **SNDK Model Before vs After**

(\$USD Millions)	FY 2026E			FY 2027E			FY 2028E		
	New	Old	Delta	New	Old	Delta	New	Old	Delta
Revenue	\$16,503	\$15,145	9.0%	\$34,596	\$25,766	34.3%	\$35,717	\$26,601	34.3%
Gross Profit	\$10,378	\$9,020	15.1%	\$28,126	\$19,296	45.8%	\$28,962	\$19,845	45.9%
Gross Margin %	62.9%	59.6%	333bps	81.3%	74.9%	641bps	81.1%	74.6%	648bps
Op. Profit	\$8,576	\$7,206	19.0%	\$25,761	\$16,794	53.4%	\$26,143	\$16,848	55.2%
OP Margin %	52.0%	47.6%	438bps	74.5%	65.2%	928bps	73.2%	63.3%	986bps
Net Income	\$7,312	\$6,118	19.5%	\$22,509	\$14,656	53.6%	\$22,969	\$14,901	54.1%
EPS (\$ per share)	\$46.88	\$38.92	20.4%	\$143.95	\$90.96	58.2%	\$146.54	\$92.48	58.5%
Adj FCF	\$5,806	\$5,166	12.4%	\$21,241	\$13,782	54.1%	\$22,416	\$14,359	56.1%

Source: Company reports, Bernstein estimates and analysis

EXHIBIT 6: **Bernstein vs. Consensus**

SNDK	FY26E	FY27E	FY28E
Total Revenues (\$M)			
Consensus	\$15,395	\$26,594	\$26,342
Bernstein Est.	\$16,503	\$34,596	\$35,717
Bernstein vs. Cons.	7.2%	30.1%	35.6%
Company GMs	59.3%	70.2%	68.3%
vs. Bernstein	62.8%	81.3%	81.0%
Opex (\$M)	\$1,786	\$2,086	\$2,212
vs. Bernstein	\$1,802	\$2,365	\$2,819
Non-GAAP EPS (\$)			
Consensus	\$38.53	\$86.94	\$81.65
Bernstein Est.	\$46.88	\$143.95	\$146.54
Bernstein vs. Cons.	21.7%	65.6%	79.5%
FCF (\$)			
Consensus	\$5,258	\$12,819	\$12,550
Bernstein Est.	\$5,806	\$21,241	\$22,416
Bernstein vs. Cons.	10.4%	65.7%	78.6%

Source: Bloomberg, Bernstein estimates and analysis

EXHIBIT 7: **Blue Sky Scenario Model Before vs After**

(\$USD Millions)	FY 2026E			FY 2027E			FY 2028E		
	New	Old	Delta	New	Old	Delta	New	Old	Delta
Revenue	\$19,814	\$15,145	30.8%	\$48,825	\$25,766	89.5%	\$50,407	\$26,601	89.5%
Gross Profit	\$13,688	\$9,020	51.8%	\$42,355	\$19,296	119.5%	\$43,652	\$19,845	120.0%
Gross Margin %	69.1%	59.6%	953bps	86.7%	74.9%	1186bps	86.6%	74.6%	1199bps
Op. Profit	\$11,928	\$7,206	65.5%	\$40,021	\$16,794	138.3%	\$40,627	\$16,848	141.1%
OP Margin %	60.2%	47.6%	1262bps	82.0%	65.2%	1679bps	80.6%	63.3%	1726bps
Net Income	\$10,203	\$6,118	66.8%	\$34,994	\$14,656	138.8%	\$35,592	\$14,901	138.9%
EPS (\$ per share)	\$65.39	\$38.92	68.0%	\$223.81	\$90.96	146.0%	\$227.04	\$92.48	145.5%
Adj FCF	\$7,568	\$5,166	46.5%	\$33,342	\$13,782	141.9%	\$34,972	\$14,359	143.5%

Source: Company reports, Bernstein estimates and analysis

PART III: WHAT IS THE RIGHT MULTIPLE?

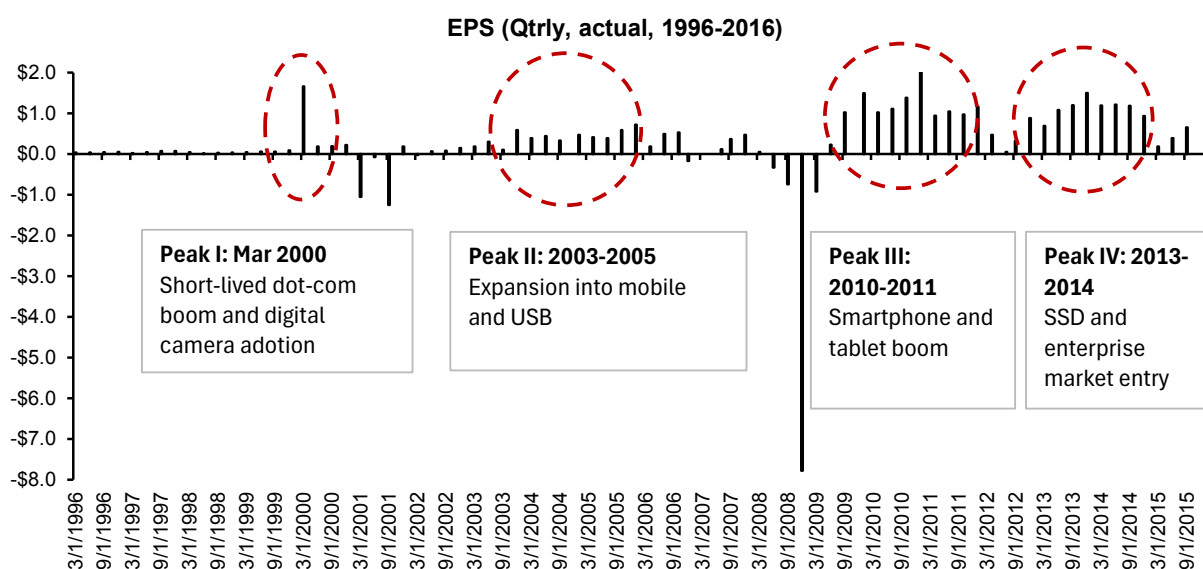
Analyzing previous cycles (pre WDC acquisition in 2016), SNDK typically trades 10-13x peak cycle EPS (on 2 year forward estimates). Currently, SNDK is trading at 9.0x consensus, 5.4x and 3.5x on our base and bull cases (respectively all on FY27 EPS). This suggests that the market does not believe the higher side of our estimates are reasonable and/or that there will be an imminent collapse in NAND prices with future upcycles to never return to such levels (the one time super-cycle theory).

For a sector widely perceived as cyclical and capital-intensive, investors typically assign low valuation during peak earnings. We therefore review historical periods to assess how SanDisk traded at peak EPS. As illustrated in [Exhibit 8](#), over the roughly 20-year period prior to SanDisk’s acquisition by WDC in May 2016, the company experienced several distinct peak-earnings cycles.

We identify four major periods of peak profitability. First, during the March 2000 dot-com bubble, earnings spiked despite short-lived. Second, from 2003 to 2005, profitability was supported by secular expansion into mobile devices and USB flash drives, resulting in a more durable earnings cycle. Third, SanDisk reached another earnings peak in 2010 to 2011 amid the global adoption of smartphones and tablets. Finally, from 2013 to 2014, earnings peaked again as the company successfully entered the SSD and enterprise storage markets.

Given the short-lived nature of the Period I earnings peak, **our analysis focuses primarily on valuation dynamics observed during Peak II, Peak III, and Peak IV**, which better reflect more sustained demand cycles and normalized peak-multiple behavior.

EXHIBIT 8: Sandisk quarterly EPS 1996-2016



Source: Bloomberg, Bernstein analysis

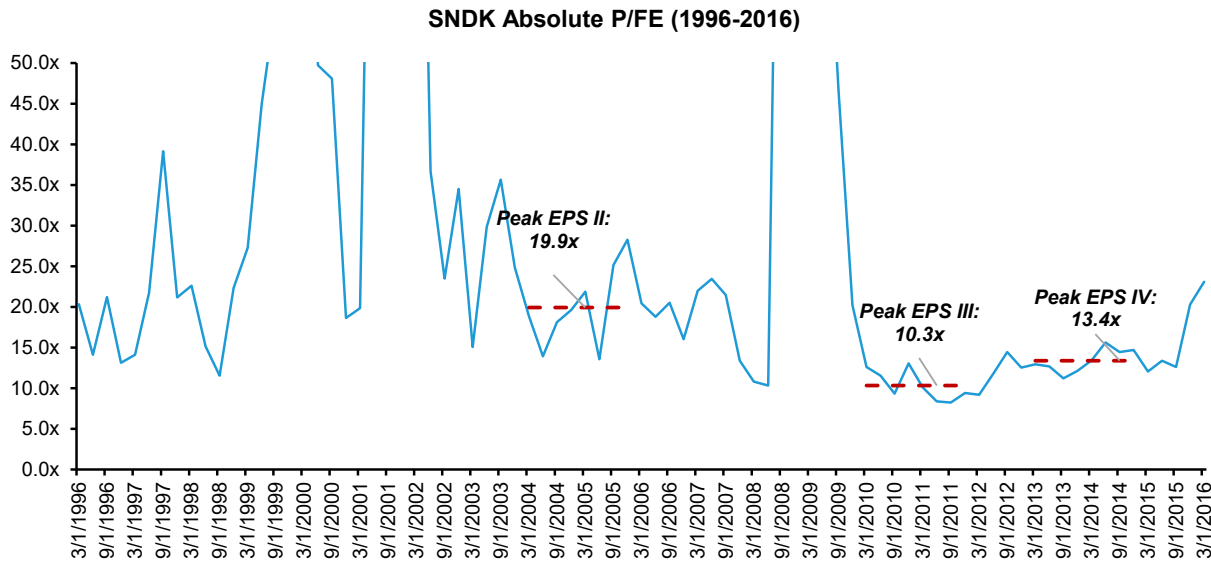
On an absolute P/FE basis, SanDisk is trading at a materially discounted valuation relative to prior peak-cycle periods. During Peak III and Peak IV, the stock consistently traded at approximately 10-13x two-year-forward earnings ([Exhibit 9](#)). This compares with the current two-year-forward P/FE multiple of just 9.0x ([Exhibit 10](#)) on consensus after the recent rally, representing multiple compression versus historical peak valuations (chart below shows 8.2x reflecting closing price on April 7th, vs. 9.0x on closing price on April 8th).

This discount implies the market may be implicitly assuming that current earnings are at, or even beyond, peak-cycle EPS. We view that assumption as premature. NAND ASPs began to inflect meaningfully only around 6-7 months ago, and underlying NAND fundamentals continue to strengthen. The industry remains supported by disciplined supply behavior, structurally higher AI-driven storage demand, and a lack of material capacity overbuild. Consequently, current earnings

estimates may understate medium-term earnings power rather than reflect a true cyclical peak.

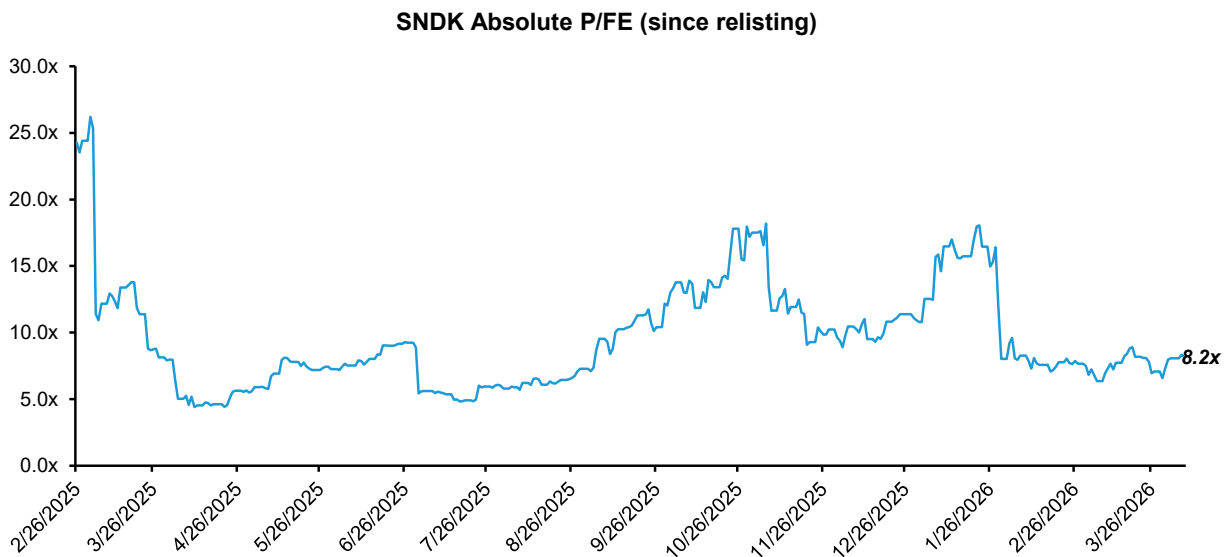
We believe that NAND fundamentals remain on an upward trajectory, supported by disciplined supply, AI-driven demand, and limited capacity expansion, suggesting that the peak EPS is yet to come.

EXHIBIT 9: **Sandisk absolute P/FE (1996-2016)**



P/FE used 2GY which references the next fiscal year, corresponding to our TP calculation anchored to FY27 EPS.
Source: Bloomberg, Bernstein analysis

EXHIBIT 10: **SNDK Absolute PFE (since relisting)**



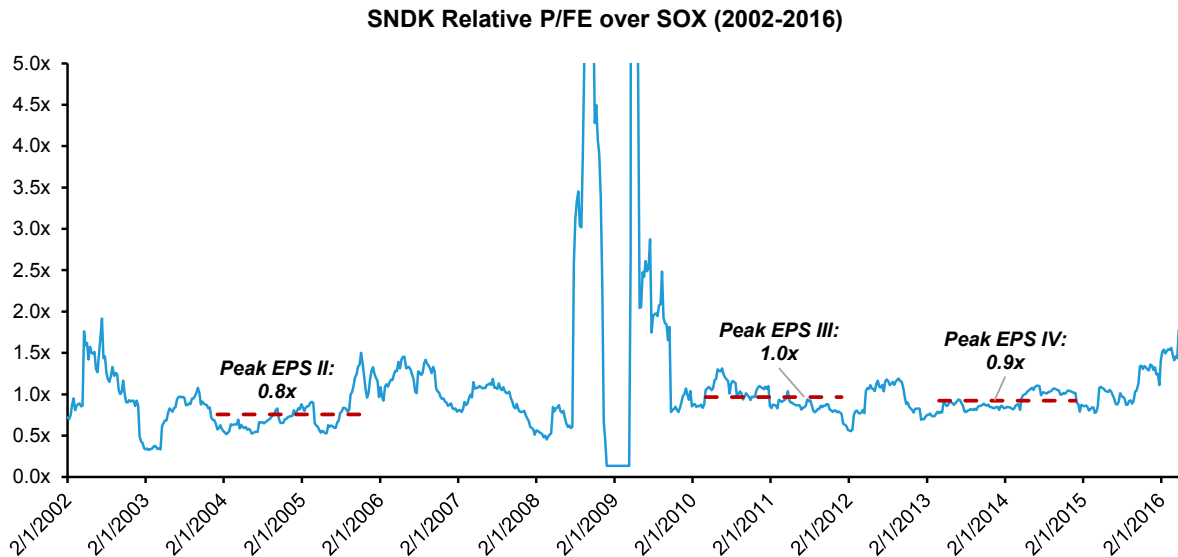
P/FE used 2GY which references the next fiscal year, corresponding to our TP calculation anchored to FY27 EPS.
Source: Bloomberg (updated as of 4/7/26)

SanDisk also screens attractively on a relative valuation basis. During Peak II, III and Peak IV, the stock typically traded at roughly 0.8-1.0x the SOX index on a forward P/E basis ([Exhibit 11](#)), reflecting investor willingness to value SanDisk broadly in line with the broader semiconductor complex. **Today, SanDisk trades at only about 0.5x SOX on the same forward metric**

(Exhibit 12), representing a meaningful relative discount versus historical peak periods.

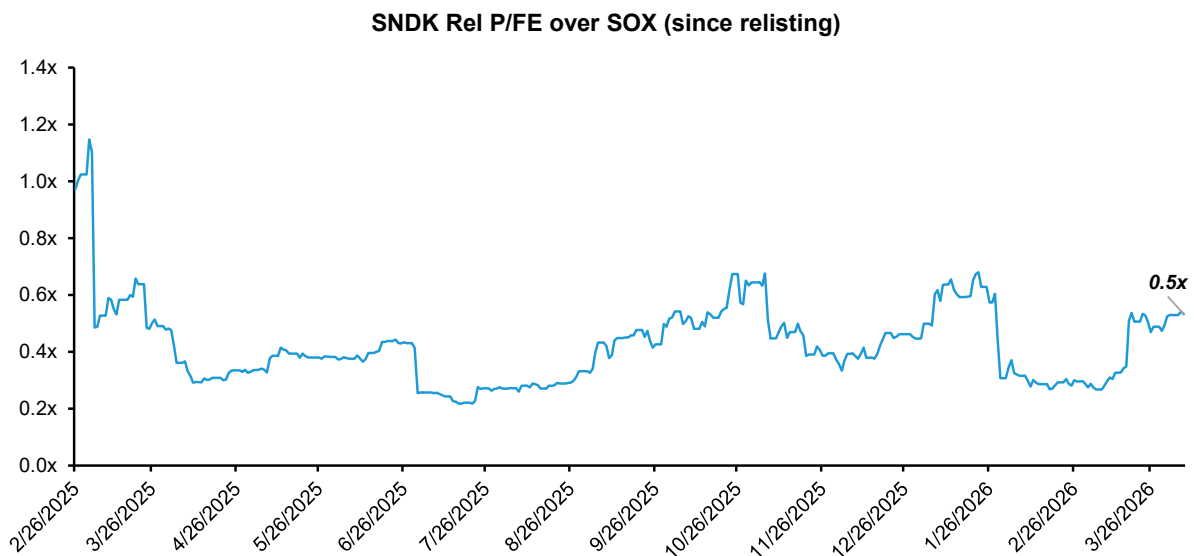
Taken together, both the absolute and relative valuation frameworks point to meaningful upside potential from current valuation. The stock not only trades well below historical peak multiples on an absolute P/FE basis, but also at a substantial discount to the broader semiconductor index. With earnings estimates still moving higher and fundamentals continuing to strengthen, we see scope for upside driven by a combination of further EPS upside and multiple expansion, rather than requiring an aggressive re-rating assumption alone.

EXHIBIT 11: Sandisk relative P/FE over SOX



P/FE used 2GY which references the next fiscal year, corresponding to our TP calculation anchored to FY27 EPS.
Source: Bloomberg, Bernstein analysis

EXHIBIT 12: SNDK Rel PFE over SOX (since relisting)



P/FE used 2GY which references the next fiscal year, corresponding to our TP calculation anchored to FY27 EPS.
Source: Bloomberg (updated as of 3/30/2026)

PART IV: HOW HIGH CAN SNDK GO?

We have raised our target price to \$1,250 from \$1,000 and see a blue-sky upside scenario of \$3,000. Our base-case valuation applies an 11x multiple to through-cycle earnings, defined as the average of FY26-29 Bern. base-case EPS of \$113.93. This approach yields a target price of \$1250 and reflects a more normalized view of earnings power rather than anchoring on a single-year peak.

The \$1250 target corresponds to 8.7x FY27 Bernstein base-case EPS of \$143.95, a level we view as conservative relative to historical peak-cycle multiples in above analysis, particularly in light of the structurally improved industry backdrop. Notably, the same TP implies just 5.5x our modeled bull-case FY27 EPS of \$224.

In our blue-sky scenario, we assume the market ultimately re-rates SanDisk closer to historical peak-cycle valuation frameworks as earnings visibility, durability, and AI-driven demand continue to strengthen. Applying a 13x multiple to peak earnings supports a valuation approaching \$3000 per share, or approximately \$2950 using our bull-case peak EPS estimate. While this scenario is not reflected in our base-case target, it highlights the asymmetric upside potential should NAND remain structurally tight and SanDisk's earnings power prove sustainably higher than in prior cycles. We therefore, **reiterate Outperform (top short-term pick).**

APPENDIX - FINANCIAL FORECASTS**EXHIBIT 13: SNDK Income Statement**

	1Q26	2Q26	3Q26E	4Q26E	2025E	2026E	2027E	2028E
Consolidated Income Statement								
Revenues	2,308	3,025	4,548	6,622	7,355	16,503	34,596	35,717
COGS	1,621	1,484	1,511	1,525	5,120	6,141	6,486	6,771
Gross Profit	687	1,541	3,037	5,097	2,235	10,362	28,110	28,946
SG&A	179	139	146	172	445	636	758	783
R&D	316	327	373	397	1,104	1,413	1,898	2,036
Restructuring/Impairment	16	10	-	-	1,848	26	-	-
Operating Profit	176	1,065	2,518	4,528	(1,162)	8,287	25,454	26,127
Non-operating Income	-	-	-	-	-	-	-	-
Interest income (expense), net	(24)	(13)	(13)	(13)	(38)	(63)	(52)	(52)
Other income (expense), net	(28)	(115)	-	-	(61)	(143)	-	-
Non-recurring gain (loss), net	-	-	-	-	-	-	-	-
Earnings Before Tax	124	937	2,505	4,515	(1,261)	8,081	25,402	26,075
Income Tax (Benefit)	12	134	358	646	162	1,150	3,302	3,390
Net Income	112	803	2,147	3,869	(1,423)	6,931	22,100	22,685
Non-GAAP net income (loss)	181	967	2,213	3,951	336	7,312	22,509	22,969
Non-GAAP EPS	1.21	6.20	14.18	25.30	2.32	46.88	143.95	146.54
	-	-	-	-	-	-	-	-
%GM (Non-GAAP)	29.9%	51.1%	66.9%	77.0%	30.4%	62.9%	81.3%	81.1%
	-	-	-	-	-	-	-	-
%OP(Non-GAAP)	11%	37%	57%	69%	-13%	52%	74%	74%
Drivers								
Non-GAAP Opex	442	408	466	512	1,367	1,828	2,388	2,534
GAAP Opex	495	466	518	569	1,549	2,049	2,656	2,819
Stock-based compensation	53	58	52	57	182	221	268	284
SBC as % of total Opex	10.7%	12.4%	12.4%	12.4%	11.7%	10.8%	10.1%	10.1%
	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
Total Non-GAAP adjustments	68	159	52	57	2,075	213	268	284
Non-GAAP adjustments as % of GAAP net income	60.9%	19.8%	2.4%	1.5%	-126.5%	3.1%	1.2%	1.3%

Source: Company reports, Bernstein estimates and analysis

EXHIBIT 14: **SNDK Balance Sheet**

Consolidated Balance Sheet	1Q26	2Q26	3Q26E	4Q26E	2025E	2026E	2027E	2028E
Cash and cash equivalents	1,442	1,539	3,064	6,033	1,481	6,033	27,542	50,296
Short-term marketable securities	-	-	-	-	-	-	-	-
Receivables	1,193	1,239	1,863	2,712	1,068	2,712	3,462	3,574
Inventories	1,907	1,970	2,006	2,024	2,079	2,024	2,092	2,184
Other Current Assets	442	402	402	402	458	402	402	402
Current Assets	4,984	5,150	7,335	11,171	5,086	11,171	33,497	56,456
	-	0	0	0	0	0	0	0
Long-term marketable securities	-	-	-	-	-	-	-	-
Notes receivable and investments in Flash Ventures	602	677	677	677	654	677	677	677
Property, plant & equipment	630	631	673	783	619	783	903	1,080
Intangible Assets	-	-	(2)	(4)	-	(4)	(12)	-
Goodwill	4,998	4,995	4,995	4,995	4,999	4,995	4,995	4,995
Other Non-current Assets	1,535	1,545	1,545	1,545	1,627	1,545	1,545	1,545
Non-Current Assets	7,765	7,848	7,888	7,996	7,899	7,996	8,108	8,297
Total Assets	12,749	12,998	15,223	19,168	12,985	19,168	41,605	64,753
	-	-	-	-	-	-	-	-
Accounts Payables	884	869	885	893	766	893	923	1,017
Long-term debt	1,331	583	583	583	1,829	583	583	583
Other Liabilities	1,153	1,333	1,333	1,333	1,174	1,333	1,333	1,333
Total Liabilities	3,368	2,785	2,801	2,809	3,769	2,809	2,839	2,933
	-	-	-	-	-	-	-	-
Common stock	11,287	11,337	11,389	11,447	11,249	11,447	11,715	12,053
Retained earnings	(1,672)	(869)	1,278	5,147	(1,784)	5,147	27,247	49,932
AOCI and other	(234)	(255)	(245)	(235)	(249)	(235)	(195)	(185)
Total shareholders' equity	9,381	10,213	12,422	16,359	9,216	16,359	38,766	61,800
Minority interest	-	-	-	-	-	-	-	-
Total Equity	9,381	10,213	12,422	16,359	9,216	16,359	38,766	61,800
Total Liabilities and Equity	12,749	12,998	15,223	19,168	12,985	19,168	41,605	64,753

Source: Company reports, Bernstein estimates and analysis

DISCLOSURE APPENDIX

I. REQUIRED DISCLOSURES

References to "Bernstein" or the "Firm" in these disclosures relate to the following entities: Bernstein Institutional Services LLC (April 1, 2024 onwards), Sanford C. Bernstein & Co., LLC (pre April 1, 2024), Bernstein Autonomous LLP, BSG France S.A. (April 1, 2024 onwards), Sanford C. Bernstein (Hong Kong) Limited 盛博香港有限公司, Sanford C. Bernstein (Canada) Limited, Sanford C. Bernstein (India) Private Limited (SEBI registration no. INH000006378), Sanford C. Bernstein (Singapore) Private Limited, Sanford C. Bernstein Japan KK (サンフォード・C・バーンスタイン株式会社) and analysts employed by Société Générale Africa Technologies & Services to produce Bernstein research under a Global Services Agreement in place between Bernstein and Société Générale.

Bernstein is part of a joint venture between Société Générale (SG) and AllianceBernstein, L.P. (AB). Unless specifically noted otherwise, for purposes of these disclosures, references to Bernstein's "affiliates" relate to both SG and AB and their respective affiliates.

VALUATION METHODOLOGY**SanDisk Corp**

We value SanDisk at 11x our FY26-29 average EPS, or 8.7x FY27 EPS which gives our target price of \$1250.

Seagate Technology PLC

We value Seagate at 21x our FY28 EPS of \$29.5, implying \$620 per share. We believe Seagate's improving fundamentals and HAMR leadership easily justifies a 21x P/E, and arguably much higher.

Western Digital Corp

Our TP for WDC is \$340, which is 20x our FY28 EPS. PE of 20x is inline to lower than recent market multiple and arguably conservative given its 5 year EPS CAGR of 46% (FY25-30E)

RISKS**SanDisk Corp**

The biggest risks to the downside on SanDisk and to our price target are that: 1) Near-term numbers look high and face cyclical downside from NAND; 2) SNDK's disclosures and broader investor communications have been confusing, potentially dissuading more quality-focused investors; and 3) NAND weakness could extend beyond the current cycle and be more structural, in which case SanDisk's DCF value could be structurally lower and the impaired value of its assets may be materially below replacement cost.

Seagate Technology PLC

The biggest risks to the downside on Seagate and to our price target are that: The HDD market is heavily exposed to hyperscale cloud, and could be impacted by a cloud capex digestion or else incremental pressure from changes in hyperscaler buying patterns. 2) WDC could close the gap in HAMR more quickly than expected, shrinking the scope for market share gain and margin improvement. 3) NAND could see better than expected technology improvement and take share from HDDs.

Western Digital Corp

The biggest risks to the downside on WDC and to our price target are that: 1) The HDD market is heavily exposed to hyperscale cloud, and could be impacted by a cloud capex digestion or else incremental pressure from changes in hyperscaler buying patterns; 2) NAND could see better than expected technology improvement and take share from HDDs; and 3) WDC could face significant risks ahead with its HAMR technology transition which could provide a drag on gross margin and EPS.

RATINGS DEFINITIONS, BENCHMARKS AND DISTRIBUTION**EQUITY RATINGS DEFINITIONS**

Bernstein brand

The Bernstein brand rates stocks based on forecasts of relative performance for the next 12 months versus the S&P 500 for stocks listed on the U.S. and Canadian exchanges, versus the Bloomberg Europe Developed Markets Large and Mid Cap Price Return Index EUR (EDME) for stocks listed on the European exchanges and emerging markets exchanges outside of the Asia Pacific region, versus the Bloomberg Japan Large and Mid Cap Price Return Index USD (JPL) for stocks listed on the Japanese exchanges, and versus the Bloomberg Asia ex-Japan Large and Mid Cap Price Return Index (ASIA) for stocks listed on the Asian (ex-Japan) exchanges -unless otherwise specified.

The Bernstein brand has three categories of ratings:

- Outperform: Stock will outpace the market index by more than 15 pp
- Market-Perform: Stock will perform in line with the market index to within +/- 15 pp
- Underperform: Stock will trail the performance of the market index by more than 15 pp

Coverage Suspended: Coverage of a company under the Bernstein research brand has been suspended. Ratings and price targets are suspended temporarily, are no longer current, and should therefore not be relied upon.

Not Rated: A rating assigned when the stock cannot be accurately valued, or the performance of the company accurately predicted, at the present time. The covering analyst may continue to publish research reports on the company to update investors on events and developments.

Not Covered (NC) denotes companies that are not under coverage.

Bernstein brand stock ratings are based on a 12-month time horizon.

Autonomous brand – common stocks

The Autonomous brand rates common stocks as indicated below. As our benchmarks we use the Bloomberg Europe 500 Banks And Financial Services Index (BEBANKS) and Bloomberg Europe Dev Mkt Financials Large and Mid Cap Price Ret Index EUR (EDMFI) index for developed European banks and Payments, the Bloomberg Europe 500 Insurance Index (BEINSUR) for European insurers, the S&P 500 and S&P Financials for US banks and Payments coverage, S5LIFE for US Insurance, the S&P Insurance Select Industry (SPSIINS) for US Non-Life Insurers coverage, and the Bloomberg Emerging Markets Financials Large, Mid and Small Cap Price Return Index (EMLSF) for emerging market banks and insurers and Payments. Ratings are stated relative to the sector (not the market).

The Autonomous brand has three categories of common stock ratings:

- Outperform (OP): Stock will outpace the relevant index by more than 10 pp
- Neutral (N): Stock will perform in line with the market index to within +/- 10 pp
- Underperform (UP): Stock will trail the performance of the relevant index by more than 10 pp

Coverage Suspended: Coverage of a company under the Autonomous research brand has been suspended. Ratings and price targets are suspended temporarily, are no longer current, and should therefore not be relied upon.

Not Rated: A rating assigned when the stock cannot be accurately valued, or the performance of the company accurately predicted, at the present time. The covering analyst may continue to publish research reports on the company to update investors on events and developments.

Those denoted as 'Feature' (e.g., Feature Outperform FOP, Feature Under Outperform FUP) are our core ideas.

Not Covered (NC) denotes companies that are not under coverage.

Autonomous brand common stock ratings are based on a 12-month time horizon.

Autonomous brand – preferred stocks

The Autonomous brand has three categories of preferred stock ratings:

- **Outperform (OP):** The total return of the preferred instrument is expected to outperform preferred securities of other issuers operating in similar sectors or rating categories over the next six months.
- **Neutral (N):** The total return of the preferred instrument is expected to perform in line with preferred securities of other issuers operating in similar sectors or rating categories over the next six months.
- **Underperform (UP):** The total return of the preferred instrument is expected to underperform preferred securities of other issuers operating in similar sectors or rating categories over the next six months.

Autonomous preferred stock ratings are based on a 6-month time horizon.

AUTONOMOUS CREDIT RESEARCH

Where this report contains investment recommendations for credit instruments, as defined in article 3(1)(35) of the Market Abuse Regulation, the information below is presented to comply with its disclosure requirements.

The report may also include reference(s) to published opinions by other Autonomous or Bernstein analysts covering the equity securities of the issuer(s) referenced herein. Please note an investment recommendation for credit instruments published by the author(s) of this report may differ from the published view of the analyst covering equity securities for the issuer(s) contained in this report and vice versa.

CREDIT RATINGS DEFINITIONS

The Autonomous brand has three categories of credit ratings:

- **Credit Outperform (C-OP):** The total return of the Reference Credit Instrument is expected to outperform the credit spread of bonds of other issuers operating in similar sectors or rating categories over the next six months.
- **Credit Neutral (C-N):** The total return of the Reference Credit Instrument is expected to perform in line with the credit spread of bonds of other issuers operating in similar sectors or rating categories over the next six months.
- **Credit Underperform (C-UP):** The total return of the Reference Credit Instrument is expected to underperform the credit spread of bonds of other issuers operating in similar sectors or rating categories over the next six months.

Autonomous credit ratings are based on a 6-month time horizon.

A list of all investment recommendations produced by the author(s) of this report alongside credit ratings history are available upon request.

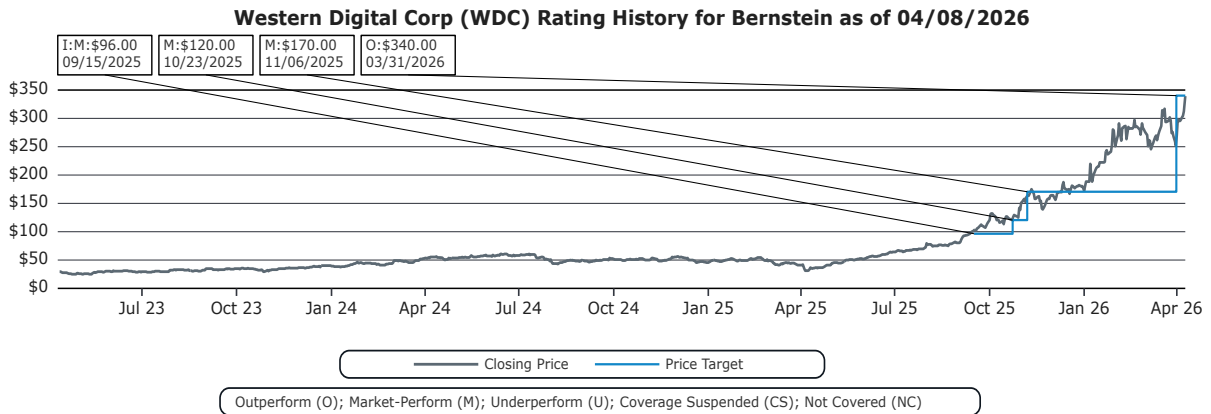
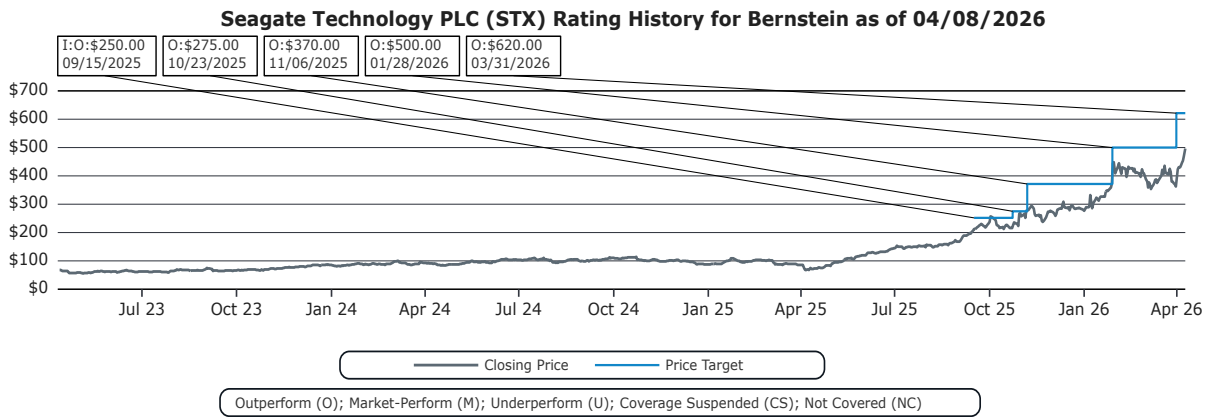
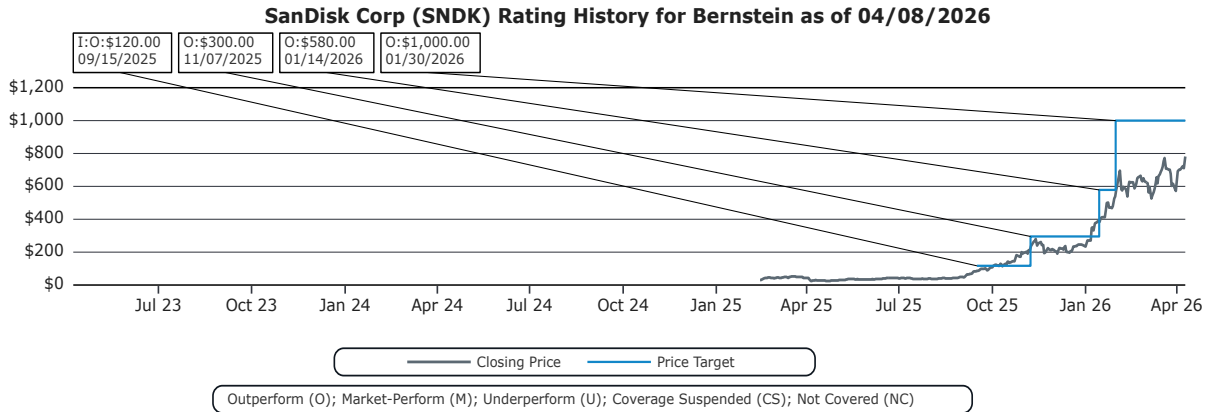
It is at the sole discretion of the Firm as to when to initiate, update and cease research coverage. The Firm has established, maintains and relies on information barriers to control the flow of information contained in one or more areas (i.e. the private side) within the Firm, and into other areas, units, groups or affiliates (i.e. public side) of the Firm

DISTRIBUTION OF EQUITY RATINGS/INVESTMENT BANKING SERVICES

Equity Rating	Market Abuse Regulation (MAR) and FINRA Rating Category	Global Rating Distribution	Investment Banking Relationships*
Outperform	BUY	51.1%	16.5%
Market-Perform (Bernstein Brand) Neutral (Autonomous Brand)	HOLD	36.3%	17.8%
Underperform	SELL	12.6%	14.9%

* These figures represent the percentage of companies within each equity rating category for which affiliates of Bernstein have provided investment banking services within the previous 12 months. As of March 31, 2026. All figures are updated quarterly.

PRICE CHARTS / RATINGS AND PRICE TARGET HISTORY



All price target and closing price data in the chart(s) above are denominated in the currency noted in the Ticker Table of this report.

CONFLICTS OF INTEREST

An affiliate of Bernstein has received compensation for non-investment banking securities-related products or services in the previous twelve months from the following clients: Western Digital Corp.

OTHER MATTERS

The legal entity(ies) employing the analyst(s) listed in this report, and their location, can be determined by the country code of their phone number, as follows:

- +1 Bernstein Institutional Services LLC; New York, New York, USA
- +44 Bernstein Autonomous LLP; London UK
- +212 Société Générale Africa Technologies & Services; Casablanca, Morocco
- +33 BSG France S.A.; Paris, France
- +34 BSG France S.A.; Madrid, Spain
- +41 Bernstein Autonomous LLP; Geneva, Switzerland
- +49 BSG France S.A.; Frankfurt, Germany
- +91 Sanford C. Bernstein (India) Private Limited; Mumbai, India
- +852 Sanford C. Bernstein (Hong Kong) Limited 盛博香港有限公司; Hong Kong, China
- +65 Sanford C. Bernstein (Singapore) Private Limited; Singapore
- +81 Sanford C. Bernstein Japan KK; Tokyo, Japan

Where this report has been prepared by research analyst(s) employed by a non-US affiliate, such analyst(s), is/are (unless otherwise expressly noted below) not registered as associated persons of Bernstein Institutional Services LLC or any other SEC-registered broker-dealer and are not licensed or qualified as research analysts with FINRA. Accordingly, such analyst(s) may not be subject to FINRA's restrictions regarding (among other things) communications by research analysts with a subject company, interactions between research analysts and investment banking personnel, participation by research analysts in solicitation and marketing activities relating to investment banking transactions, public appearances by research analysts, and trading securities held by a research analyst account.

Where this report has been prepared by research analyst(s) employed by Société Générale Africa Technologies & Services (part of the Société Générale group of companies), it has been prepared on behalf of a Bernstein company under a Global Services Agreement in place between Bernstein and Société Générale.

CERTIFICATION

Each research analyst listed in this report, who is primarily responsible for the preparation of the content of this report, certifies that all of the views expressed in this publication accurately reflect that analyst's personal views about any and all of the subject securities or issuers and that no part of that analyst's compensation was, is, or will be, directly or indirectly, related to the specific recommendations or views in this publication.

II. ADDITIONAL GLOBAL CONFLICT DISCLOSURES

It is at the sole discretion of the Firm as to when to initiate, update and cease research coverage. The Firm has established, maintains and relies on information barriers to control the flow of information contained in one or more areas (i.e., the private side) within the Firm, and into other areas, units, groups or affiliates (i.e., public side) of the Firm.

III. OTHER IMPORTANT INFORMATION AND DISCLOSURES

Separate branding is maintained for "Bernstein" and "Autonomous" research products.

- Bernstein produces a number of different types of research products including, among others, fundamental analysis and quantitative analysis under both the "Autonomous" and "Bernstein" brands. Recommendations contained within one type of research product may differ from recommendations contained within other types of research products, whether as a result of differing time horizons, methodologies or otherwise. Furthermore, views or recommendations within a research product issued under one brand may differ from views or recommendations under the same type of research product issued under the other brand. The Research Ratings System for the two brands and other information related to those Rating Systems are included in the previous section.

- Autonomous operates as a separate business unit within the following entities: Bernstein Institutional Services LLC, Bernstein Autonomous LLP, Sanford C. Bernstein (Hong Kong) Limited 盛博香港有限公司 and Sanford C. Bernstein (India) Private Limited. For information relating to "Autonomous" branded products (including certain Sales materials) please visit: www.autonomous.com. For information relating to Bernstein branded products please visit: www.bernsteinresearch.com.

Analysts are compensated based on aggregate contributions to the research franchise as measured by account penetration, productivity and proactivity of investment ideas. No analysts are compensated based on performance in, or contributions to, generating investment banking revenues.

This report has been produced by an independent analyst as defined in Article 3 (1)(34)(i) of EU 596/2014 Market Abuse Regulation ("MAR") and the same article of MAR as it forms part of United Kingdom domestic law by virtue of the European Union (Withdrawal) Act 2018.

To our readers in the United States: Bernstein Institutional Services LLC, a broker-dealer registered with the U.S. Securities and Exchange Commission ("SEC") and a member of the U.S. Financial Industry Regulatory Authority, Inc. ("FINRA") is distributing this publication in the United States and accepts responsibility for its contents. Where this material contains an analysis of debt product(s), such material is intended only for institutional investors and is not subject to the US independence and disclosure standards applicable to debt research prepared for retail investors.

Bernstein Institutional Services LLC may act as principal for its own account or as agent for another person (including an affiliate) in sales or purchases of any security which is a subject of this report. This report does not purport to meet the objectives or needs of any specific individuals, entities or accounts.

To our readers in Canada: If this publication pertains to a Canadian domiciled company, it is being distributed in Canada by Sanford C. Bernstein (Canada) Limited, which is licensed and regulated by the Canadian Investment Regulatory Organization. If the publication pertains to a non-Canadian domiciled company, it is being distributed by Bernstein Institutional Services LLC, which is licensed and regulated by both the SEC and FINRA, into Canada under the International Dealers Exemption.

This document may not be passed onto any person in Canada unless that person qualifies as "permitted client" as defined in Section 1.1 of NI 31-103.

To our readers in Brazil: This report has been prepared by Bernstein Institutional Services LLC, and Banco BTG Pactual S.A. ("BTG") is responsible for the distribution of this report in Brazil.

To readers in the United Kingdom: This publication has been issued or approved for issue in the United Kingdom by Bernstein Autonomous LLP, authorised and regulated by the Financial Conduct Authority and located at 60 London Wall, London EC2M 5SH, +44 (0)20-7170-5000. Registered in England & Wales No OC343985.

This document is for distribution only to persons who (i) have professional experience in matters relating to investments falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (as amended, the "Financial Promotion Order"), (ii) are persons falling within Article 49(2)(a) to (d) ("high net worth companies, unincorporated associations, etc.") of the Financial Promotion Order, (iii) are outside the United Kingdom, or (iv) are persons to whom an invitation or inducement to engage in investment activity (within the meaning of section 21 of the FSMA) in connection with the issue or sale of any securities may otherwise lawfully be communicated or caused to be communicated (all such persons together being referred to as "relevant persons"). This document is directed only at relevant persons and must not be acted on or relied on by persons who are not relevant persons. Any investment or investment activity to which this document relates is available only to relevant persons and will be engaged in only with relevant persons.

To our readers in the member states of the EEA: This publication is being distributed by BSG France SA, which is authorised and regulated by the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and Autorité des Marchés Financiers (AMF).

To our readers in Hong Kong: This publication is being distributed in Hong Kong by Sanford C. Bernstein (Hong Kong) Limited 盛博香港有限公司, which is licensed and regulated by the Hong Kong Securities and Futures Commission (Central Entity No. AXC846) to carry out Type 4 (Advising on Securities) regulated activities and subject to the licensing conditions mentioned in the SFC Public Register (<https://www.sfc.hk/publicregWeb/corp/AXC846/details>). This publication is solely for professional investors, as defined in the Securities and Futures Ordinance (Cap. 571). The purpose of this report is solely to provide an analysis of the issuers referred to in this report and is not intended for any purpose contrary to the laws of Hong Kong.

To our readers in Singapore: This publication is being distributed in Singapore by Sanford C. Bernstein (Singapore) Private Limited, only to accredited investors or institutional investors, as defined in the Securities and Futures Act 2001 of Singapore ("SFA"). Recipients in Singapore should contact Sanford C. Bernstein (Singapore) Private Limited in respect of matters arising from, or in connection with, this publication. Sanford C. Bernstein (Singapore) Private Limited is regulated by the Monetary Authority of Singapore and licensed under the SFA as a capital markets services licence holder for dealing in capital markets products that are

securities and collective investment schemes and an exempt financial adviser for advising on, issuing and promulgating analyses and reports on securities. Sanford C. Bernstein (Singapore) Private Limited is registered in Singapore with Company Registration No. 20213710W and located at One Raffles Quay, #27-11 South Tower, Singapore 048583, +65-6230-4612.

To our readers in the People's Republic of China: The securities referred to in this document are not being offered or sold and may not be offered or sold, directly or indirectly, in the People's Republic of China (for such purposes, not including the Hong Kong and Macau Special Administrative Regions or Taiwan, the "PRC") in contravention of any applicable laws of the PRC.

This document does not constitute an offer to sell or the solicitation of an offer to buy any securities in the PRC to any person to whom it is unlawful to make the offer or solicitation in the PRC.

We do not represent that this document may be lawfully distributed, or that any securities may be lawfully offered, in compliance with any applicable registration or other requirements in the PRC, or pursuant to an exemption available thereunder, or assume any responsibility for facilitating any such distribution or offering. In particular, no action has been taken by us which would permit a public offering of any securities or distribution of this document in the PRC. Accordingly, the securities are not being offered or sold within the PRC by means of this document or any other document. Neither this document nor any advertisement or other offering material may be distributed or published in the PRC, except under circumstances that will result in compliance with any applicable laws and regulations.

To our readers in Japan: This publication is being distributed in Japan by Sanford C. Bernstein Japan KK (サンフォード・C・バーンスタイン株式会社), which is registered in Japan as a Financial Instruments Business Operator with the Kanto Local Finance Bureau (registration number: The Director-General of Kanto Local Finance Bureau (FIBO) No.3387) and regulated by the Financial Services Agency. It is also a member of Japan Investment Advisers Association. This publication is solely for qualified institutional investors in Japan only, as defined in Article 2, paragraph (3), items (i) of the Financial Instruments and Exchange Act.

For the institutional client readers in Japan who have been granted access to the Bernstein website by Daiwa Securities Group Inc. ("Daiwa"), your access to this document should not be construed as meaning that Bernstein is providing you with investment advice for any purposes. Whilst Bernstein has prepared this document, your relationship is, and will remain with, Daiwa, and Bernstein has neither any contractual relationship with you nor any obligations towards you.

To our readers in Australia: Sanford C. Bernstein (Hong Kong) Limited 盛博香港有限公司 is responsible for distributing research in Australia. It is regulated by the Securities and Exchange Commission under U.S. laws, by the Financial Conduct Authority under U.K. laws, which differs from Australian laws. Sanford C. Bernstein (Hong Kong) Limited 盛博香港有限公司 is exempt from the requirement to hold an Australian financial services license under the Corporations Act 2001 in respect of the provision of the following financial services to wholesale clients:

- providing financial product advice;
- dealing in a financial product;
- making a market for a financial product; and
- providing a custodial or depository service.

To our readers in India: This publication is being distributed in India by Sanford C. Bernstein (India) Private Limited (SCB India) which is licensed and regulated by Securities and Exchange Board of India ("SEBI") as a research analyst entity under the SEBI (Research Analyst) Regulations, 2014, having registration no. INH000006378 and as a stock broker having registration no. INZ000213537. SCB India is currently engaged in the business of providing research and stock broking services. Please refer to www.bernsteinresearch.in for more information.

- SCB India is a Private limited company incorporated under the Companies Act, 2013, on April 12, 2017 bearing corporate identification number U65999MH2017FTC293762, and registered office at Level 3A, 4th Floor, First International Financial Centre, Plot Nos C-54 and C-55, G Block, Near CBI Office, Bandra Kurla Complex, Bandra (East), Mumbai 400098, Maharashtra, India (Phone No: +91-22-68421401).
- For details of Associates (i.e., affiliates/group companies) of SCB India, kindly email MUM-BERNSTEIN-InCompliance@bernsteinsg.com.
- SCB India does not have any disciplinary history as on the date of this report.
- Except as noted above, SCB India and/or its Associates (i.e., affiliates/group companies), the Research Analysts authoring this report, and their relatives

- do not have any financial interest in the subject company
- do not have actual/beneficial ownership of one percent or more in securities of the subject company;
- is not engaged in any investment banking activities for Indian companies, as such;
- have not managed or co-managed a public offering in the past twelve months for any Indian companies;
- have not received any compensation for investment banking services or merchant banking services from the subject company in the past 12 months;
- have not received compensation for brokerage services from the subject company in the past twelve months;
- have not received any compensation or other benefits from the subject company or third party related to the specific recommendations or views in this report; and
- do not currently, but may in the future, act as a market maker in the financial instruments of the companies covered in the report.
- do not have any conflict of interest in the subject company as of the date of this report.
- Except as noted above, the subject company has not been a client of SCB India during twelve months preceding the date of distribution of this research report. Neither SCB India nor its Associates (i.e., affiliates/group companies) have received compensation for products or services other than investment banking, merchant banking or brokerage services from the subject company in the past twelve months.
- The principal research analyst(s) who prepared this report, members of the analysts' team, and members of their households are not an officer, director, employee or advisory board member of the companies covered in the report.
- Our Compliance officer / Grievance officer is Ms. Rupal Talati, who can be reached at +91-22-68421451, or MUM-BERNSTEIN-InCompliance@bernsteinsg.com / Scbin-investorgrievance@bernsteinsg.com
- The Research investor charter and Terms & Conditions of SCB India are available on its website and may be accessed at [Sanford C. Bernstein \(India\) Private Limited](https://bernsteinresearch.in/) (https://bernsteinresearch.in/) for your reference.
- Disclaimer: Registration granted by SEBI, and certification from NISM, is in no way a guarantee of performance of the intermediary or provide any assurance of returns to investors. Investments in securities market are subject to market risks. Read all the related documents carefully before investing.

To our readers in Switzerland: This document is provided in Switzerland by or through Bernstein Autonomous LLP, and is provided only to qualified investors as defined in article 10 of the Swiss Collective Investment Scheme Act ("CISA") and related provisions of the Collective Investment Scheme Ordinance and in strict compliance with applicable Swiss law and regulations. The products mentioned in this document may not be suitable for all types of investors. This document is based on the Directives on the Independence of Financial Research issued by the Swiss Bankers Association (SBA) in January 2008.

To our readers in the Middle East: Bernstein Autonomous LLP, DIFC branch has its principal office at Gate Village 06, DIFC, Dubai, UAE. Bernstein Autonomous LLP, DIFC branch is regulated by the Dubai Financial Services Authority (DFSA) with the registration number CL10040 and is provisioned for Arranging Deals in Investments and Advising on Financial Products. All communications and services are directed at Professional Clients and Market Counterparties only (as defined in the DFSA rulebook). Persons other than Professional Clients and Market Counterparties, such as Retail Clients, are not the intended recipients of our communications or services.

LEGAL

All research publications are disseminated to our clients through posting on the firm's password protected websites, bernsteinresearch.com and autonomous.com. Certain, but not all, research publications are also made available to clients through third-party vendors or redistributed to clients through alternate electronic means as a convenience.

This publication has been published and distributed in accordance with the Firm's policy for management of conflicts of interest in investment research, a copy of which is available from Bernstein Institutional Services LLC, Director of Compliance, 245 Park

Avenue, New York, NY 10167. Additional disclosures and information regarding Bernstein's business are available on our website www.bernsteinresearch.com.

The securities described herein may not be eligible for sale in all jurisdictions or to certain categories of investors where that permission profile is not consistent with the licenses held by the entities noted herein. This document is for distribution only as may be permitted by law. This publication is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of, or located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation or which would subject any of the entities referenced herein or any of their subsidiaries or affiliates to any registration or licensing requirement within such jurisdiction. This publication is based upon public sources we believe to be reliable, but no representation is made by us that the publication is accurate or complete. We do not undertake to advise you of any change in the reported information or in the opinions herein. This publication was prepared and issued by entity referred to herein for distribution to eligible counterparties or professional clients. This publication is not an offer to buy or sell any security, and it does not constitute investment, legal or tax advice. The investments referred to herein may not be suitable for you. Investors must make their own investment decisions in consultation with their professional advisors in light of their specific circumstances. The value of investments may fluctuate, and investments that are denominated in foreign currencies may fluctuate in value as a result of exposure to exchange rate movements. Information about past performance of an investment is not necessarily a guide to, indicator of, or assurance of, future performance.

This report is directed to and intended only for our clients who are "eligible counterparties", "professional clients", "institutional investors" and/or "professional investors" as defined by the aforementioned regulators, and must not be redistributed to retail clients as defined by the aforementioned regulators. Retail clients who receive this report should note that the services of the entities noted herein are not available to them and should not rely on the material herein to make an investment decision. The result of such act will not hold the entities noted herein liable for any loss thus incurred as the entities noted herein are not registered/ authorised/ licensed to deal with retail clients and will not enter into any contractual agreement/arrangement with retail clients. This report is provided subject to the terms and conditions of any agreement that the clients may have entered into with the entities noted herein. All research reports are disseminated on a simultaneous basis to eligible clients through electronic publication to our client portal.

The information in this report was prepared by Bernstein solely for the internal business use of our clients. Clients may store, display, analyze, reformat and print the information in this report for this limited use only. Clients may not copy, alter, create derivative works, resell, reverse engineer, commercially exploit, share or distribute any part of the information contained herein for any purpose without Bernstein's express written consent. These restrictions include extracting data or using the content to develop indices or other products. Further, you may not use this report, or any portion of this report, to train or finetune any third-party machine learning or artificial intelligence system, or as a prompt or input into any such system. You also may not, without Bernstein's express written consent, do any of the foregoing in connection with your own internal machine learning or artificial intelligence system.

Bernstein may use artificial intelligence tools in the preparation of its materials. Any such materials are reviewed by Bernstein's research analysts prior to publication.

This report has been prepared for information purposes only and is based on current public information that we consider reliable, but the entities noted herein do not warrant or represent (express or implied) as to the sources of information or data contained herein are accurate, complete, not misleading or as to its fitness for the purpose intended even though the entities noted herein rely on reputable or trustworthy data providers, it should not be relied upon as such. Opinions expressed are the author(s)' current opinions as of the date appearing on the material only and we do not undertake to advise you of any change in the reported information or in the opinions herein.

This publication was prepared and issued by the entity referred to herein for distribution to eligible counterparties or professional clients. The information in this report is intended for general circulation and does not constitute an offer to buy or sell any security, investment, legal or tax advice nor a personal recommendation, as defined by any of the aforementioned regulators. It does not take into account the particular investment objectives, financial situations, or needs of individual investors. The report has not been reviewed by any of the aforementioned regulators and does not represent any official recommendation from the aforementioned regulators. The investments referred to herein may not be suitable for you. Investors must make their own investment decisions in consultation with advice sought from a financial adviser regarding the suitability of the investment product, taking into account the specific investment objectives, financial situation or particular needs of any recipient of the recommendation, before the recipient makes a commitment to purchase the investment product.

The analysis contained herein is based on numerous assumptions. Different assumptions could result in materially different results. The information in this report does not constitute, or form part of, any offer to sell or issue, or any offer to purchase or subscribe for shares, or to induce engage in any other investment activity. The value of any securities or financial instruments mentioned in this report may fluctuate subject to market conditions. Information about past performance of an investment is not necessarily a guide to, indicative of, or assurance of future performance. Estimates of future performance mentioned by the research analyst in this report are based on assumptions that may not be realized due to unforeseen factors like market

volatility/fluctuation. In relation to securities or financial instruments denominated in a foreign currency other than the clients' home currency, movements in exchange rates will have an effect on the value, either favorable or unfavorable. Before acting on any recommendations in this report, recipients should consider the appropriateness of investing in the subject securities or financial instruments mentioned in this report and, if necessary, seek for independent professional advice.

The securities described herein may not be eligible for sale in all jurisdictions or to certain categories of investors where that permission profile is not consistent with the licenses held by the entities noted herein. This document is for distribution only as may be permitted by law. It is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation or would subject the entities noted herein to any regulation or licensing requirement within such jurisdiction.

Source: Bloomberg Index Services Limited. BLOOMBERG® is a trademark and service mark of Bloomberg Finance L.P. and its affiliates (collectively "Bloomberg"). Bloomberg or Bloomberg's licensors own all proprietary rights in the Bloomberg Indices. Neither Bloomberg nor Bloomberg's licensors approves or endorses this material, or guarantees the accuracy or completeness of any information herein, or makes any warranty, express or implied, as to the results to be obtained therefrom and, to the maximum extent allowed by law, neither shall have any liability or responsibility for injury or damages arising in connection therewith.

No part of this material may be reproduced, distributed or transmitted or otherwise made available without prior consent of the entities noted herein. Copyright Bernstein Institutional Services LLC Bernstein Autonomous LLP, BSG France S.A., Sanford C. Bernstein (Hong Kong) Limited 盛博香港有限公司, Sanford C. Bernstein (Canada) Limited, Sanford C. Bernstein (India) Private Limited (SEBI registration no. INH000006378), Sanford C. Bernstein (Singapore) Private Limited and Sanford C. Bernstein Japan KK (サンフォード・C・バーンスタイン株式会社). All rights reserved. The trademarks and service marks contained herein are the property of their respective owners. Any unauthorized use or disclosure is strictly prohibited. The entities noted herein may pursue legal action if the unauthorized use results in any defamation and/or reputational risk to the entities noted herein and research published under the Bernstein and Autonomous brands.