| Last Price Fair Value 33.65 SGD 43.00 S 7 Aug 2024 2 May 2024 | GD 0.78 | Market Cap 95.70 SGD Bil 7 Aug 2024 | Economic Moat [™] | Equity Style Box | Uncertainty Medium | Capital Allocation Exemplary | ESG Risk Rating Assessment ¹ () () () () () 3 Jul 2024 05:00, UTC |
|---|---------|--|----------------------------|------------------|------------------------------|---------------------------------|--|
|---|---------|--|----------------------------|------------------|------------------------------|---------------------------------|--|

Lorraine Tan, CFA

Regional Director Morningstar +65 6340 1296 Iorraine.tan@morningstar.com

Contents

Analyst Note (7 Aug 2024) Business Description Financials ESG Risk Research Methodology for Valuing Companies

Important Disclosure

The conduct of Morningstar's analysts is governed by Code of Ethics/Code of Conduct Policy, Personal Security Trading Policy (or an equivalent of), and Investment Research Policy. For information regarding conflicts of interest, please visit: http:// global.morningstar.com/equitydisclosures.

The primary analyst covering this company does not own its stock.

Reporting Currency: NATIVE | Trading Currency: SGD Currency amounts expressed with "\$" are in U.S. dollars (USD) unless otherwise denoted.

'The ESG Risk Rating Assessment is a representation of Sustainalytics' ESG Risk Rating.

DBS Earnings: FVE Raised as Strong Fee Income Growth Surprises; Firm Names New CEO

Analyst Note Lorraine Tan, CFA, Regional Director, 7 Aug 2024

We increased our fair value estimate for Singapore's DBS Group Holdings to SGD 44 from SGD 43 following its second-quarter results, as we have revised our forecast for net fee income growth this year to 15%, up from our previous estimate of 6%. Net fee income increased by 27% year on year in the quarter, driven by a 37% rise in wealth management fees (25% excluding the Taiwan business acquired from Citi) and a 32% increase in credit card fees (up 9% excluding Citi). The strength in fee income growth from the first quarter, when net fees rose by 22%, not only continued but also accelerated in the second quarter.

While fee income growth was particularly impressive, other aspects of DBS' earnings were also robust: net interest margin (NIM) remained stable as DBS reduced its rate sensitivity by increasing fixed-rate assets, cost control was excellent with a cost/income ratio of 40%, and annualized credit costs remained low at 14 basis points of loans (with specific provisions at only 8 basis points). The annualized return on equity (ROE) was 18%, well above our estimate of DBS' cost of equity. Although the dividend per share remained at 54 Singapore cents, the total dividend payout increased by 10% following DBS's bonus share award in April.

DBS has appointed Tan Su Shan, the head of institutional banking, as deputy CEO, with plans for her to succeed longtime CEO Piyush Gupta next March when Gupta retires at age 65. Given the extended transition period and Tan's extensive experience working with Gupta for 14 years at DBS (and before DBS at Citi), we view Tan as a continuity candidate. While we expect that Gupta is likely to give Tan time to shape her own plans for DBS' future

| Financial Summary and Key Statistics Actu | al | | orecast | |
|--|--------|--------|---------|--------|
| | 2022 | 2023 | 2024 | 2025 |
| Net Interest Income (NATIVE Mil) | 10,941 | 13,642 | 14,211 | 14,190 |
| Non Interest Income (NATIVE Mil) | 5,561 | 6,520 | 7,457 | 7,869 |
| Total Pre-Provision Revenue (NATIVE Mil) | 16,502 | 20,162 | 21,668 | 22,058 |
| Provision for Loan Losses (NATIVE Mil) | 237 | 590 | 630 | 783 |
| Operating Expenses (NATIVE Mil) | 7,090 | 8,291 | 8,776 | 8,934 |
| Operating Income (NATIVE Mil) | 9,382 | 11,486 | 12,463 | 12,577 |
| Net Income Available to Common Stockholders (NATIVE Mil) | 8,193 | 10,062 | 10,854 | 10,929 |
| Earnings Per Share (Diluted) (NATIVE) | 3.19 | 3.91 | 4.01 | 3.85 |
| Adjusted Earnings Per Share (Diluted) (NATIVE) | 3.19 | 3.91 | 4.01 | 3.85 |
| Adjusted EPS Growth % | 19.9 | 22.6 | 2.6 | -3.9 |
| ROE % | 14.3 | 16.9 | 16.9 | 15.9 |
| Price/Earnings | 7.9 | 6.5 | 6.3 | 6.6 |
| Price/Book | _ | _ | _ | _ |

Source: Morningstar Valuation Model. Data as of 07 Aug 2024

©2024 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions presented herein do not constitute investment advice; are provided solely for informational purposes and therefore are not an offer to buy or sell a security; and are not warranted to be correct, complete or other losses are sole the date written and are subject to change without notice. Except as otherwise required by law. Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, the information, data, analyses or opinions or their use. The information contained herein is the proprietary property of Morningstar and may not be reproduced, in whole or in part, or used in any manner, without the prior written consent of Morningstar. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. To order reprints, call + 1 312-696-6100. To license the research, call + 1 312-696-6869. Please see important disclosures at the end of this report.



| 33.65 SGD 43 | ir Value Estimate 3.00 SGD Aay 2024 06:33, UTC | | Market Cap 95.70 SGD Bil 7 Aug 2024 | Economic Moat™ | Equity Style Box | Uncertainty Medium | Capital Allocation Exemplary | ESG Risk Rating Assessment ¹ (i) (i) (i) (i) (ii) 3 Jul 2024 05:00, UTC |
|--------------|---|--|--|----------------|------------------|------------------------------|---------------------------------|--|
|--------------|---|--|--|----------------|------------------|------------------------------|---------------------------------|--|

departure if DBS continues to deliver strong results.

capital allocation, we believe there is potential for an increase in shareholder distributions before Gupta's

Sector Industry

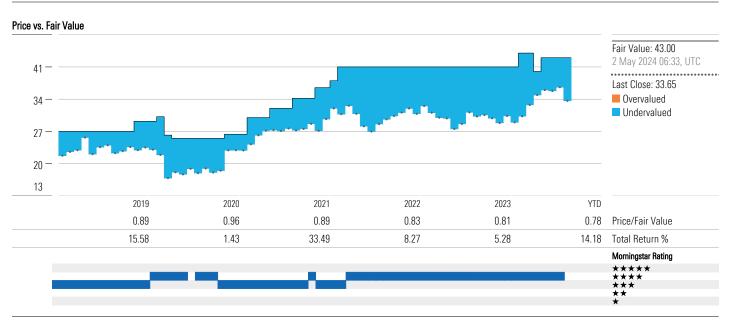
🔁 Financial Services Banks - Regional

Business Description

DBS Group is a Singapore-based banking group offering a full range of services to consumers, small to midsize enterprises, and corporations and institutions. Its main presence is in Singapore and Greater China. The acquisition of Lakshmi Vilas Bank has strengthened DBS' operations in India, and the acquisition of Citibank's Taiwan operation should bring additional growth in Greater China. DBS' wealth management division is one of the largest in Asia, with assets under management of SGD 365 billion as of 2023.

©2024 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions presented herein do not constitute investment advice; are provided solely for informational purposes and therefore are not an offer to buy or sell a security; and are not warranted to be correct, complete or other losses resulting from, or related to, the information, data, analyses or opinions expressed are as of the dete written and are subject to change without notice. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, the information data, analyses or opinions or their use. The information contained herein is the proprietary property of Morningstar and may not be reproduced, in whole or in part, or used in any manner, without the prior written consent of Morningstar. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. To order reprints, call +1 312-696-6100. To license the research, call +1 312-696-6869. Please see important disclosures at the end of this report.





Competitors

| Competitors | DBS Group Holdings Ltd D05 | Hang Seng Bank Ltd 00011 | BOC Hong Kong Holdings Ltd 02388 | Oversea-Chinese Banking Corp Ltd 039 | | |
|--------------------|--|---|---|--|--|--|
| | Fair Value 43.00 Uncertainty : Medium Last Close 33.65 | Fair Value 110.00 Uncertainty : Medium Last Close 90.85 | Fair Value 33.00 Uncertainty: Medium Last Close 22.05 | Fair Value 17.00 Uncertainty : Medium Last Close 14.07 | | |
| Economic Moat | Narrow | Narrow | Narrow | Narrow | | |
| Currency | SGD | HKD | HKD | SGD | | |
| Fair Value | 43.00 2 May 2024 06:33, UTC | 110.00 18 Dec 2023 04:59, UTC | 33.00 18 Dec 2023 04:56, UTC | 17.00 10 May 2024 12:44, UTC | | |
| 1-Star Price | 58.05 | 148.50 | 44.55 | 22.95 | | |
| 5-Star Price | 30.10 | 77.00 | 23.10 | 11.90 | | |
| Assessment | Undervalued 7 Aug 2024 | Undervalued 7 Aug 2024 | Significantly 7 Aug Undervalued 2024 | Undervalued 7 Aug 2024 | | |
| Morningstar Rating | ★★★★7 Aug 2024 10:32, UTC | ★★★★7 Aug 2024 16:41, UTC | ★★★★★7 Aug 2024 16:44, UTC | ★★★★7 Aug 2024 10:32, UTC | | |
| Analyst | Lorraine Tan, Regional Director | Lorraine Tan, Regional Director | Lorraine Tan, Regional Director | Lorraine Tan, Regional Director | | |
| Capital Allocation | Exemplary | Exemplary | Exemplary | Exemplary | | |
| Price/Fair Value | 0.78 | 0.83 | 0.67 | 0.83 | | |
| Price/Sales | 4.51 | 4.10 | 3.33 | 4.55 | | |
| Price/Book | 1.47 | 1.02 | 0.72 | 1.11 | | |
| Price/Earnings | 8.15 | 9.94 | 6.83 | 8.43 | | |
| Dividend Yield | 5.66% | 7.35% | 7.62% | 5.83% | | |
| Market Cap | 95.70 Bil | 171.51 Bil | 233.13 Bil | 63.24 Bil | | |
| 52-Week Range | 28.19—38.55 | 78.05—117.50 | 17.86-26.10 | 12.17 — 15.38 | | |
| Investment Style | Large Value | Large Value | Large Value | Large Value | | |

©2024 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions presented herein do not constitute investment advice; are provided solely for informational purposes and therefore are not an offer to buy or sell a security; and are not warranted to be correct, complete or accurate. The opinions expressed are as of the date written and are subject to change without notice. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, the information, data, analyses or opinions or their use. The information contained herein is the proprietary property of Morningstar and may not be reproduced, in whole or in part, or used in any manner, without the prior written consent of Morningstar. Investment research is produced and issued by subsidiaries of Morningstar, call +1 312-696-6869. Please see important disclosures at the end of this report.



| Last Price 33.65 SGD 7 Aug 2024 | Fair Value Estimate 43.00 SGD 2 May 2024 06:33, UTC | Price/FVE 0.78 | Market Cap 95.70 SGD Bil 7 Aug 2024 | 0 | nomic Moat™ Narrow | Equity Style | | Uncertainty Medium | Capital Alloca Exemplary | ()) | Risk Rating / () () () () 2024 05:00, UT | |
|--|---|-------------------|--|--------------------|-----------------------|--------------------|--------------------|------------------------------|-----------------------------|--------------------|---|---------------------|
| Morningstar Va | aluation Model Sum | imary | | | | | | | | | | |
| Financials as of 07 | ' Aug 2024 | | Ac | tual | | | Forecast | | | | | |
| Fiscal Year, ends 31 | Dec | | | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | |
| Net Interest Incom | e (NATIVE Mil) | | | 8,440 | 10,941 | 13,642 | 14,211 | 14,190 | 13,940 | 14,633 | 15,359 | |
| Non Interest Incom | e (NATIVE Mil) | | | 5,961 | 5,561 | 6,520 | 7,457 | 7,869 | 8,303 | 8,762 | 9,246 | |
| Total Pre-Provision | Revenue (NATIVE Mil) | | | 14,401 | 16,502 | 20,162 | 21,668 | 22,058 | 22,243 | 23,394 | 24,605 | |
| Provision for Loan I | Losses (NATIVE Mil) | | | 52 | 237 | 590 | 630 | 783 | 914 | 1,055 | 1,209 | |
| Operating Expense | s (NATIVE Mil) | | | 6,569 | 7,090 | 8,291 | 8,776 | 8,934 | 9,009 | 9,475 | 9,965 | |
| Operating Income (| | | | 7,780 | 9,382 | 11,486 | 12,463 | 12,577 | 12,569 | 13,124 | 13,704 | |
| | ole to Common Stockhold | fore (NIATIVE | | ., | -, | | | , | , | | | |
| Mil) | | | | 6,805 | 8,193 | 10,062 | 10,854 | 10,929 | 10,896 | 11,351 | 11,853 | |
| Adjusted Net Incon | ne (NATIVE Mil) | | | 6,805 | 8,193 | 10,062 | 10,854 | 10,929 | 10,896 | 11,351 | 11,853 | |
| | Diluted Shares Outstand | lina (Mil) | | 2,560 | 2,571 | 2,576 | 2,708 | 2,838 | 2,838 | 2,838 | 2,838 | |
| Earnings Per Share | | ing (iviii) | | 2.66 | 3.19 | 3.91 | 4.01 | 3.85 | 3.84 | 4.00 | 4.18 | |
| 0 | | | | 2.66 | 3.19 | 3.91 | 4.01 | 3.85 | 3.84 | 4.00 | 4.10 | |
| , , | Per Share (Diluted) (NAT | IVE) | | | | | | | | | | |
| Dividends Per Shar | . , | | | 1.20 | 2.00 | 2.42 | 2.30 | 2.35 | 2.38 | 2.52 | 2.72 | |
| Margins & Return | s as of 07 Aug 2024 | | | tual | 2022 | 2022 | Forecast | 2025 | 2020 | 2027 | 2020 | F V A |
| Net Interest Margin | n % | | 3 Year Avg 1.6 | 2021 1.3 | 2022 1.6 | 2023 1.9 | 2024 2.0 | 2025 1.9 | 2026 1.8 | 2027 1.8 | 2028 1.8 | 5 Year Avg 1.8 |
| Efficiency Ratio % | | | 43.2 | 45.6 | 43.0 | 41.1 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 |
| Provision as % of L | oans | | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Growth & Ratios a | as of 07 Aug 2024 | | Ac | tual | | | Forecast | | | | | |
| | | | 3 Year Avg | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 5 Year Avg |
| Net Interest Incom | | | 14.5 | -7.0 | 29.6 | 24.7 | 4.2 | -0.2 | -1.8 | 5.0 | 5.0 | 2.4 |
| Non Interest Incom | ie Growth % Revenue Growth % | | 5.7 | 8.1 -1.3 | -6.7 14.6 | 17.3 22.2 | 14.4 7.5 | 5.5 1.8 | 5.5 0.8 | 5.5 5.2 | 5.5 5.2 | 7.2 |
| Operating Expense | | | | -1.3 | 7.9 | 16.9 | 5.9 | 1.8 | 0.8 | 5.2 | 5.2 | |
| Operating Income (| | | _ | 44.9 | 20.6 | 22.4 | 8.5 | 0.9 | -0.1 | 4.4 | 4.4 | _ |
| Net Income Growth | | | 28.7 | 44.1 | 20.4 | 22.8 | 7.9 | 0.7 | -0.3 | 4.2 | 4.4 | _ |
| Earnings Per Share | | | 28.3 | 43.7 | 19.9 | 22.6 | 2.6 | -3.9 | -0.3 | 4.2 | 4.4 | 1.4 |
| Valuation as of 07 | Aug 2024 | | Ac | tual | | | Forecast | | | | | |
| | | | | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | |
| Price/Earnings | | | | 9.1 | 7.9 | 6.5 | 6.3 | 6.6 | 6.6 | 6.3 | 6.1 | |
| Price/Book | 1. | | | — 1.0 | 1_0 | — 1.0 | — 1.0 | — 1.0 | 1_1 | — 1 1 | | |
| Price/Tangible Boo Dividend Yield % | K | | | 1.2 4.3 | 1.3 5.4 | <u> </u> | 1.2 | 9.3 | 1.1 | 1.1 | 1.0 | |
| Dividend Payout % | | | | 4.3 45.3 | 5.4 62.8 | 5.7 62.0 | 9.1 60.0 | 9.3 61.0 | 9.4 62.0 | 9.9 63.0 | 10.7 65.0 | |
| | nance / Profitability as o | of 07 Aug 2024 | Ac | tual | | | Forecast | | | | | |
| Fiscal Year, ends 31 | Dec | | | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | |
| ROA % | | | | 1.0 | 1.2 | 1.4 | 1.4 | 1.4 | 1.3 | 1.3 | 1.3 | |
| | | | | 12.1 | 14.3 | 16.9 | 16.9 | 15.9 | 15.0 | 14.8 | 14.6 | |
| ROE % | | | | | | | | | | | | |

©2024 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions presented herein do not constitute investment advice; are provided solely for informational purposes and therefore are not an offer to buy or sell a security; and are not warranted to be correct, complete or accurate. The opinions expressed are as of the date written and are subject to change without notice. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, the information, data, analyses or opinions or their use. The information contained herein is the proprietary property of Morningstar and may not be reproduced, in whole or in part, or used in any manner, without the prior written consent of Morningstar. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. To order reprints, call +1 312-696-6100. To license the research, call +1 312-696-6869. Please see important disclosures at the end of this report.



| Last Price 33.65 SGD 7 Aug 2024 | Fair Value Estimate 43.00 SGD 2 May 2024 06:33, UTC | Price/FVE 0.78 | Market Ca 95.70 SG 7 Aug 2024 | • | Economi The War | c Moat™ row | Equity Style | | Uncer Medi | | Capital Allocation Exemplary | | k Rating As () () () 4 05:00, UTC | sessment ¹ |
|---------------------------------------|---|-------------------|-------------------------------------|---------|-----------------------------|-----------------------|--------------|------------|----------------------|------|---------------------------------|--------|--|-----------------------|
| Financial Leverag | e (Reporting Currency) | | | Actua | I | | | Forecast | | | | | | |
| Fiscal Year, ends 31 | Dec | | | | 2021 | 2022 | 2023 | 202 | 4 | 2025 | 2026 | 2027 | 2028 | |
| Equity/Assets % | | | | | 8.4 | 7.6 | 8.4 | 8. | 7 | 8.8 | 8.9 | 8.9 | 9.0 | |
| Forecast Revision | is as of | | | 2024 | | | 2 | 2025 | | | 2026 | | | |
| Prior data as of | | | | | Current | | Prior | | Current | | Prior | Currer | nt | Prior |
| Fair Value Estimate | e Change (Trading Curren | су) | | | 44.00 | | | | _ | | | _ | _ | _ |
| Net Interest Incom | ne (NATIVE Mil) | | | | 14,211 | | 14,211 | | 14,190 | | 14,190 | 13,94 | 0 | 13,940 |
| Total Pre-Provision | Revenue (NATIVE Mil) | | | | 21,668 | | 21,365 | | 22,058 | | 21,737 | 22,24 | 3 | 21,903 |
| Operating Income | (NATIVE Mil) | | | | 12,463 | | 12,283 | | 12,577 | | 12,386 | 12,56 | 9 | 12,366 |
| Net Income (NATI) | VE Mil) | | | | _ | | _ | | _ | | _ | - | _ | _ |
| Earnings Per Share | e (Diluted) (NATIVE) | | | | 4.01 | | 3.95 | | 3.85 | | 3.79 | 3.8 | 4 | 3.78 |
| Adjusted Earnings | Per Share (Diluted) (NATI | VE) | | | 4.01 | | 3.95 | | 3.85 | | 3.79 | 3.8 | 4 | 3.78 |
| Dividends Per Sha | re (NATIVE) | | | | 2.30 | | 2.26 | | 2.35 | | 2.31 | 2.3 | 8 | 2.34 |
| Key Valuation Dri | ivers as of 07 Aug 2024 | | | Discour | nted Cash F | low Val | uation as o | f 07 Aug 2 | 024 | | | | | |
| Cost of Equity % | | | 9.0 | | | | | | | | | | N | ATIVE Mil |
| Stage II Net Incom | | | 4.0 | | Value Stage | | | | | | | | | 0 |
| Stage II Increment Perpetuity Year | al RUIC % | | 12.0 15 | | Value Stage Value of the | | uit. | | | | | | | 0 0 |

Additional estimates and scenarios available for download at https://pitchbook.com/.

| | Ŭ |
|---|---------|
| Present Value Stage II | 0 |
| Present Value of the Perpetuity | 0 |
| Total Common Equity Value before Adjustment | 0 |
| Other Adjustments | _ |
| Equity Value | 122,499 |
| Projected Diluted Shares | 2,838 |
| Fair Value per Share (SGD) | 44.00 |
| | |

©2024 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions presented herein do not constitute investment advice; are provided solely for informational purposes and therefore are not an offer to buy or sell a security; and are not warranted to be correct, complete or accurate. The opinions expressed are as of the date written and are subject to change without notice. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, the information, data, analyses or opinions or their use. The information contained herein is the proprietary property of Morningstar and may not be reproduced, in whole or in part, or used in any manner, without the prior written consent of Morningstar. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. To order reprints, call +1 312-696-6100. To license the research, call +1 312-696-6869. Please see important disclosures at the end of this report.

M RNINGSTAR®

| Last Price 33.65 SGD 7 Aug 2024 | Fair Value Estimate 43.00 SGD 2 May 2024 06:33, UTC | Price/FVE 0.78 | Market Cap 95.70 SGD Bil 7 Aug 2024 | 0 | nomic Moat™ Narrow | Equity Style Box | | Uncertainty Medium | Capital Allocation Exemplary | ۲ | ESG Risk Rating Assessmen | |
|---|---|-------------------|--|--------|------------------------------|-------------------------|----------|------------------------------|---------------------------------|--------|---------------------------|--|
| Income Statemer | nt (NATIVE) | | A | ctual | | | Forecast | | | | | |
| Fiscal Year, ends 31 | 1 Dec | | - | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | |
| Net Interest Inco | ome (Mil) | | | 8,440 | 10,941 | 13,642 | 14,211 | 14,190 | 13,940 | 14,633 | 15,359 | |
| Provision for Losse | es on Loans (Mil) | | | 52 | 237 | 590 | 630 | 783 | 914 | 1,055 | 1,209 | |
| Net Interest Inco | ome after Provision (Mil) | | | 8,388 | 10,704 | 13,052 | 13,581 | 13,406 | 13,027 | 13,577 | 14,151 | |
| Non-Interest Income (Mil) | | | | 5,961 | 5,561 | 6,520 | 7,457 | 7,869 | 8,303 | 8,762 | 9,246 | |
| Net Revenue (Mil | | 14,401 | 16,502 | 20,162 | 21,668 | 22,058 | 22,243 | 23,394 | 24,605 | | | |
| Net Revenue After Provision (Excluding Gains on Sale) (Mil) | | | | 14,349 | 16,265 | 19,572 | 21,038 | 21,275 | 21,330 | 22,339 | 23,396 | |
| Gains on Sale (Mil) | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Net Revenue Afte | er Provision (Including Ga | ains on Sale) (N | 1il) | 14,349 | 16,265 | 19,572 | 21,038 | 21,275 | 21,330 | 22,339 | 23,396 | |
| Non-Interest Expe | ense (Mil) | | | 6,569 | 7,090 | 8,291 | 8,776 | 8,934 | 9,009 | 9,475 | 9,965 | |
| Operating Incom | e (Excluding Gains on Sale | e) (Mil) | | 7,780 | 9,382 | 11,486 | 12,463 | 12,577 | 12,569 | 13,124 | 13,704 | |
| Taxes (Mil) | | | | 973 | 1,188 | 1,423 | 1,608 | 1,648 | 1,672 | 1,772 | 1,850 | |
| Minority Interest, | net of income taxes (Mil) | | | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Income after Tax | tes (Mil) | | | 6,805 | 8,193 | 10,062 | 10,854 | 10,929 | 10,896 | 11,351 | 11,853 | |
| Other After-Tax Ite | ems (Mil) | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Preferred Dividend | ds (Mil) | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Net Income Attri (Excluding All Afte | i butable to Common Sha er-tax Items) (Mil) | reholders | | 6,805 | 8,193 | 10,062 | 10,854 | 10,929 | 10,896 | 11,351 | 11,853 | |
| Net Income Attri (Including All Afte | i butable to Common Sha er-tax Items) (Mil) | reholders | | 6,805 | 8,193 | 10,062 | 10,854 | 10,929 | 10,896 | 11,351 | 11,853 | |
| Weighted Average | e Diluted Shares Outstand | ding (Mil) | | 2,560 | 2,571 | 2,576 | 2,708 | 2,838 | 2,838 | 2,838 | 2,838 | |
| Diluted Earnings | Per Share | | | 2.66 | 3.19 | 3.91 | 4.01 | 3.85 | 3.84 | 4.00 | 4.18 | |
| Diluted Earnings | Per Share (Adjusted) | | | 2.66 | 3.19 | 3.91 | 4.01 | 3.85 | 3.84 | 4.00 | 4.18 | |
| Dividends Per Con | mmon Share (NATIVE) | | | 1.20 | 2.00 | 2.42 | 2.30 | 2.35 | 2.38 | 2.52 | 2.72 | |

©2024 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions presented herein do not constitute investment advice; are provided solely for informational purposes and therefore are not an offer to buy or sell a security; and are not warranted to be correct, complete or accurate. The opinions expressed are as of the date written and are subject to change without notice. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, the information, data, analyses or opinions or their use. The information contained herein is the proprietary property of Morningstar and may not be reproduced, in whole or in part, or used in any manner, without the prior written consent of Morningstar. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. To order reprints, call +1 312-696-6100. To license the research, call +1 312-696-6869. Please see important disclosures at the end of this report.

| Last Price 33.65 SGD 7 Aug 2024 | Fair Value Estimate 43.00 SGD 2 May 2024 06:33, UTC | Price/FVE 0.78 | Market Cap 95.70 SGD Bil 7 Aug 2024 | Econom Tan | i c Moat™ row | Equity Style Box | | ncertainty ledium | Capital Allocation Exemplary | ()) | Risk Rating Assessm () () () () 2024 05:00, UTC |
|---------------------------------------|---|---------------------|--|---------------|-------------------------|------------------|----------|----------------------|---------------------------------|---------|---|
| Balance Sheet (N | ATIVE) | | Actual | | | | Forecast | | | | |
| Fiscal Year, ends 31 | Dec | | | 2021 | 2022 | 2 2023 | 2024 | 2025 | 2026 | 2027 | 2028 |
| Assets | | | | | | | | | | | |
| Securities (Mil) | | | | 122,954 | 140,452 | 152,300 | 164,484 | 172,708 | 181,344 | 190,411 | 199,931 |
| Loans and Leases (| (Mil) | | | 415,072 | 420,284 | 422,152 | 430,595 | 452,125 | 474,731 | 498,468 | 523,391 |
| Allowance for Loan | Losses (Mil) | | | -6,079 | -5,765 | -5,989 | -6,109 | -6,414 | -6,735 | -7,072 | -7,425 |
| Net Loans and Lea | ises (Mil) | | | 408,993 | 414,519 | 416,163 | 424,486 | 445,711 | 467,996 | 491,396 | 515,966 |
| All Other Earning A | ssets (Mil) | | | 127,435 | 159,236 | 6 140,374 | 144,812 | 151,817 | 159,162 | 166,865 | 174,943 |
| Premises & Equipm | ent, Net (Mil) | | | 3,262 | 3,238 | 3,689 | 3,689 | 3,689 | 3,689 | 3,689 | 3,689 |
| Goodwill (Mil) | | | | 0 | (|) 0 | 0 | 0 | 0 | 0 | 0 |
| Identifiable Intangi | bles (Mil) | | | 5,362 | 5,340 | 6,313 | 6,813 | 7,313 | 7,813 | 8,313 | 8,813 |
| Deferred Tax Assets | s (Mil) | | | 0 | (|) 0 | 0 | 0 | 0 | 0 | 0 |
| Other Non-Earning | Assets (Other Real Estate C | wned etc.) (Mil) | | 18,067 | 20,583 | 3 20,462 | 21,271 | 22,116 | 22,999 | 23,923 | 24,887 |
| Total Assets (Mil) | | | | 686,073 | 743,368 | 8 739,301 | 765,555 | 803,354 | 843,003 | 884,596 | 928,229 |
| Liabilities | | | | | | | | | | | |
| Deposits (Mil) | | | | 501,959 | 527,000 | 535,103 | 548,481 | 575,905 | 604,700 | 634,935 | 666,682 |
| Total Debt (Mil) | | | | 57,206 | 51,600 | 49,398 | 54,116 | 57,026 | 60,379 | 64,008 | 68,041 |
| Deferred Tax Liabili | ties (Mil) | | | 0 | (| 0 0 | 0 | 0 | 0 | 0 | 0 |
| All Other Liabilities | (Mil) | | | 69,194 | 107,696 | 92,553 | 96,295 | 99,497 | 102,859 | 106,387 | 110,092 |
| Total Liabilities (N | lil) | | | 628,359 | 686,296 | 677,054 | 698,892 | 732,427 | 767,938 | 805,331 | 844,815 |
| Equity | | | | | | | | | | | |
| Common Stock + Pa | aid-in Capital + Treasury St | ock (Mil) | | 11,383 | 11,495 | 5 11,604 | 11,604 | 11,604 | 11,604 | 11,604 | 11,604 |
| Retained Earnings (| (Mil) | | | 39,941 | 44,347 | 48,167 | 52,509 | 56,771 | 60,910 | 65,110 | 69,259 |
| Preferred Equity (M | il) | | | 2,392 | 2,392 | 2,392 | 2,392 | 2,392 | 2,392 | 2,392 | 2,392 |
| AOCI + Other Equit | y (Mil) | | | 3,810 | -1,347 | -23 | -23 | -23 | -23 | -23 | -23 |
| Shareholders Equi | ty (Mil) | | | 57,526 | 56,887 | 62,140 | 66,482 | 70,744 | 74,883 | 79,083 | 83,232 |
| Total Liabilities & | Shareholders Equity (Inclu | iding Minority Inte | erest) (Mil) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

©2024 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions presented herein do not constitute investment advice; are provided solely for informational purposes and therefore are not an offer to buy or self a security; and are not warranted to be correct, complete or accurate. The opinions expressed are as of the date written and are subject to change without notice. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, the information, data, analyses or opinions or their use. The information contained herein is the proprietary property of Morningstar and may not be reproduced, in whole or in part, or used in any manner, without the prior written consent of Morningstar. Investment research is produced and issued by subsidiaries of Morningstar, loc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. To order reprints, call +1 312-696-6100. To license the research, call +1 312-696-6869. Please see important disclosures at the end of this report.





ESG Risk Ratings measure the degree to which a company's value is impacted by environmental, social, and governance risks, by evaluating the company's ability to manage the ESG risks it faces.

1. A company's Exposure to material ESG issues 2. Unmanageable Risk refers to risks that are inherent to a particular business model that cannot be managed by programs or initiatives 3. Managed Risk = Manageable Risk multiplied by a Management score of 66.6% 4. Management Gap assesses risks that are not managed, but are considered manageable 5. ESG Risk Rating Assessment = Overall Unmanaged Risk = Management Gap plus Unmanageable Risk

ESG Risk Rating is of Jul 03, 2024. Highest Controversy Level is as of Jul 08, 2024. Sustainalytics Subindustry: Diversified Banks. Sustainalytics provides Morningstar with company ESG ratings and metrics on a monthly basis and as such, the ratings in Morningstar may not necessarily reflect current Sustainalytics' scores for the company. For the most up to date rating and more information, please visit: sustainalytics.com/esg-ratings/.

| Peer Analysis 03 Jul 2024 | Peers are selected f | ers are selected from the company's Sustainalytics-defined Subindustry and are displayed based on the closest market cap values | | | | | | | | |
|----------------------------------|----------------------|---|----------------|----------|-----------------|---------|--|--|--|--|
| Company Name | Exposure | | Management | | ESG Risk Rating | | | | | |
| DBS Group Holdings Ltd | 45.1 Medium | 0 55+ | 66.6 Strong | 100 —• 0 | 16.7 Low | 0 — 40+ | | | | |
| BOC Hong Kong Holdings Ltd | 37.1 Medium | 0 55+ | 53.4 Strong | 100 — 0 | 18.1 Low | 0 — 40+ | | | | |
| Hang Seng Bank Ltd | 37.1 Medium | 0 — 55+ | 54.6 Strong | 100 — 0 | 17.7 Low | 0 40+ | | | | |
| United Overseas Bank Ltd | 44.8 Medium | 0 55+ | 71.5 Strong | 100 —• 0 | 14.5 Low | 0 40+ | | | | |
| Oversea-Chinese Banking Corp Ltd | 43.0 Medium | 0 55+ | 45.9 Average | 100 — 0 | 24.2 Medium | 0 40+ | | | | |

©2024 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions presented herein do not constitute investment advice; are provided solely for informational purposes and therefore are not an offer to buy or sell a security; and are not warranted to be correct, complete or other losses are as of the date written and are subject to change without notice. Except as otherwise required by law. Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, the information, data, analyses or opinions or their use. The information contained herein is the proprietary property of Morningstar and may not be reproduced, in whole or in part, or used in any manner, without the prior written consent of Morningstar. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. To order reprints, call + 1 312-696-6100. To license the research, call + 1 312-696-6869. Please see important disclosures at the end of this report.



Overview

At the heart of our valuation system is a detailed projection of a company's future cash flows, resulting from our analysts' research. Analysts create custom industry and company assumptions to feed income statement, balance sheet, and capital investment assumptions into our globally standardized, proprietary discounted cash flow, or DCF, modeling templates. We use scenario analysis, indepth competitive advantage analysis, and a variety of other analytical tools to augment this process. Moreover, we think analyzing valuation through discounted cash flows presents a better lens for viewing cyclical companies, high-growth firms, businesses with finite lives (e.g., mines), or companies expected to generate negative earnings over the next few years. That said, we don't dismiss multiples altogether but rather use them as supporting cross-checks for our DCF-based fair value estimates. We also acknowledge that DCF models offer their own challenges (including a potential proliferation of estimated inputs and the possibility that the method may miss shortterm market-price movements), but we believe these negatives are mitigated by deep analysis and our longterm approach.

Morningstar's equity research group ("we," "our") believes that a company's intrinsic worth results from the future cash flows it can generate. The Morningstar Rating for stocks identifies stocks trading at a discount or premium to their intrinsic worth—or fair value estimate, in Morningstar terminology. Five-star stocks sell for the biggest risk adjusted discount to their fair values, whereas 1-star stocks trade at premiums to their intrinsic worth.

Four key components drive the Morningstar rating: (1) our assessment of the firm's economic moat, (2) our estimate of the stock's fair value, (3) our uncertainty around that fair value estimate and (4) the current market price. This process ultimately culminates in our singlepoint star rating.

1. Economic Moat

The concept of an economic moat plays a vital role not only in our qualitative assessment of a firm's long-term investment potential, but also in the actual calculation of our fair value estimates. An economic moat is a structural feature that allows a firm to sustain excess profits over a long period of time. We define economic profits as returns on invested capital (or ROIC) over and above our estimate of a firm's cost of capital, or weighted average cost of capital (or WACC). Without a moat, profits are more susceptible to competition. We have identified five sources of economic moats: intangible assets, switching costs, network effect, cost advantage, and efficient scale.

Companies with a narrow moat are those we believe are more likely than not to achieve normalized excess returns for at least the next 10 years. Wide-moat companies are those in which we have very high confidence that excess returns will remain for 10 years, with excess returns more likely than not to remain for at least 20 years. The longer a firm generates economic profits, the higher its intrinsic value. We believe low-quality, no-moat companies will see their normalized returns gravitate toward the firm's cost of capital more quickly than companies with moats.

When considering a company's moat, we also assess whether there is a substantial threat of value destruction, stemming from risks related to ESG, industry disruption, financial health, or other idiosyncratic issues. In this context, a risk is considered potentially value destructive if its occurrence would eliminate a firm's economic profit on a cumulative or midcycle basis. If we deem the probability of occurrence sufficiently high, we would not characterize the company as possessing an economic moat.

2. Estimated Fair Value

Combining our analysts' financial forecasts with the firm's economic moat helps us assess how long returns on invested capital are likely to exceed the firm's cost of capital. Returns of firms with a wide economic moat rating are assumed to fade to the perpetuity period over a longer period of time than the returns of narrow-moat firms, and both will fade slower than no-moat firms, increasing our estimate of their intrinsic value.

Our model is divided into three distinct stages:

Stage I: Explicit Forecast

In this stage, which can last five to 10 years, analysts make full financial statement forecasts, including items such as revenue, profit margins, tax rates, changes in workingcapital accounts, and capital spending. Based on these projections, we calculate earnings before interest, after taxes (EBI) and the net new investment (NNI) to de-



rive our annual free cash flow forecast.

Stage II: Fade

The second stage of our model is the period it will take the company's return on new invested capital-the return on capital of the next dollar invested ("RONIC")-to decline (or rise) to its cost of capital. During the Stage II period, we use a formula to approximate cash flows in lieu of explicitly modeling the income statement, balance sheet, and cash flow statement as we do in Stage I. The length of the second stage depends on the strength of the company's economic moat. We forecast this period to last anywhere from one year (for companies with no economic moat) to 10-15 years or more (for wide-moat companies). During this period, cash flows are forecast using four assumptions: an average growth rate for EBI over the period, a normalized investment rate, average return on new invested capital (RONIC), and the number of years until perpetuity, when excess returns cease. The investment rate and return on new invested capital decline until a perpetuity value is calculated. In the case of firms that do not earn their cost of capital, we assume marginal ROICs rise to the firm's cost of capital (usually attributable to less reinvestment), and we may truncate the second stage.

Stage III: Perpetuity

Once a company's marginal ROIC hits its cost of capital, we calculate a continuing value, using a standard perpetuity formula. At perpetuity, we assume that any growth or decline or investment in the business neither creates nor destroys value and that any new investment provides a return in line with estimated WACC.

Because a dollar earned today is worth more than a dollar earned tomorrow, we discount our projections of cash flows in stages I, II, and III to arrive at a total present value of expected future cash flows. Because we are modeling free cash flow to the firm—representing cash available to provide a return to all capital providers—we discount future cash flows using the WACC, which is a weighted average of the costs of equity, debt, and preferred stock (and any other funding sources), using expected future proportionate long-term, market-value weights.

3. Uncertainty Around That Fair Value Estimate

Morningstar's Uncertainty Rating is designed to capture the range of potential outcomes for a company's intrinsic value. This rating is used to assign the margin of safety required before investing, which in turn explicitly drives our stock star rating system. The Uncertainty Rating is aimed at identifying the confidence we should have in assigning a fair value estimate for a given stock.

Our Uncertainty Rating is meant to take into account anything that can increase the potential dispersion of future outcomes for the intrinsic value of a company, and any-

©2024 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions presented herein do not constitute investment advice; are provided solely for informational purposes and therefore are not an offer to buy or sell a security; and are not warranted to be correct, complete or accurate. The opinions expressed are as of the date written and are subject to change without notice. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, the information, data, analyses or opinions expressed are as of the date written and are subject to change without notice. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, the information, data, analyses or opinions or their use. The information contained herein is the proprietry property of Morningstar and may not be reproduced, in whole or in part, or used in any manner, without the prior written consent of Morningstar. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. To order reprints, call + 1 312-696-6100. To license the research, call + 1 312-696-6869. Please see important disclosures at the end of this report.



thing that can affect our ability to accurately predict these outcomes. The rating begins with a suggested rating produced by a quantitative process based on the trailing 12-month standard deviation of daily stock returns. An analyst overlay is then applied, with analysts using the suggested rating, historical rating data, and their own knowledge of the company to inform them as they make the final Uncertainty Rating decision. Ultimately, the rating decision rests with the analyst. Analysts take into account many characteristics when making their final decision, including cyclical factors, operational and financial factors such as leverage, company-specific events, ESG risks, and anything else that might increase the potential dispersion of future outcomes and our ability to estimate those outcomes.

Our recommended margin of safety — the discount to fair value demanded before we'd recommend buying or selling the stock — widens as our uncertainty of the estimated value of the equity increases. The more uncertain we are about the potential dispersion of outcomes, the greater the discount we require relative to our estimate of the value of the firm before we would recommend the purchase of the shares. In addition, the Uncertainty Rating provides guidance in portfolio construction based on risk tolerance.

Our Uncertainty Ratings are: Low, Medium, High, Very High, and Extreme.

| | Margin of Safety | |
|---|------------------|--------------|
| Qualitative Analysis Uncertainty Ratings | ★★★★Rating | ★Rating |
| Low | 20% Discount | 25% Premium |
| Medium | 30% Discount | 35% Premium |
| High | 40% Discount | 55% Premium |
| Very High | 50% Discount | 75% Premium |
| Extreme | 75% Discount | 300% Premium |

Our uncertainty rating is based on the interquartile range, or the middle 50% of potential outcomes, covering the 25th percentile–75th percentile. This means that when a stock hits 5 stars, we expect there is a 75% chance that the intrinsic value of that stock lies above the current market price. Similarly, when a stock hits 1 star, we expect there is a 75% chance that the intrinsic value of that stock lies below the current market price.

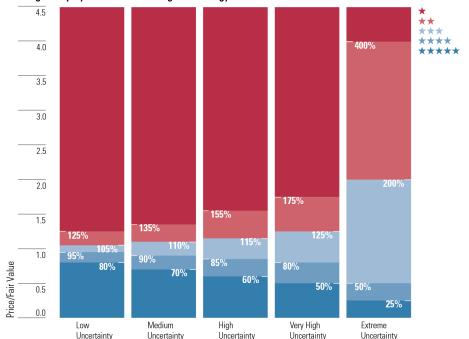
4. Market Price

the end of this report

The market prices used in this analysis and noted in the report come from exchange on which the stock is listed which we believe is a reliable source.

For more details about our methodology, please go to https://shareholders.morningstar.com

Morningstar Star Rating for Stocks



Once we determine the fair value estimate of a stock, we compare it with the stock's current market price on a daily basis, and the star rating is automatically re-calculated at the market close on every day the market on which the stock is listed is open. Our analysts keep close tabs on the companies they follow, and, based on thorough and ongoing analysis, raise or lower their fair value estimates as warranted.

Please note, there is no predefined distribution of stars. That is, the percentage of stocks that earn 5 stars can fluctuate daily, so the star ratings, in the aggregate, can serve as a gauge of the broader market's valuation. When there are many 5-star stocks, the stock market as a whole is more undervalued, in our opinion, than when very few companies garner our highest rating.

We expect that if our base-case assumptions are true the market price will converge on our fair value estimate over time generally within three years (although it is impossible to predict the exact time frame in which market prices may adjust).

Our star ratings are guideposts to a broad audience and individuals must consider their own specific investment goals, risk tolerance, tax situation, time horizon, income needs, and complete investment portfolio, among other factors.

The Morningstar Star Ratings for stocks are defined below:

★★★★★ We believe appreciation beyond a fair risk ad-

justed return is highly likely over a multiyear time frame. Scenario analysis developed by our analysts indicates that the current market price represents an excessively pessimistic outlook, limiting downside risk and maximizing upside potential.

★★★★ We believe appreciation beyond a fair risk-adjusted return is likely.

★★★ Indicates our belief that investors are likely to receive a fair risk-adjusted return (approximately cost of equity).

★★ We believe investors are likely to receive a less than fair risk-adjusted return.

★ Indicates a high probability of undesirable risk-adjusted returns from the current market price over a multiyear time frame, based on our analysis. Scenario analysis by our analysts indicates that the market is pricing in an excessively optimistic outlook, limiting upside potential and leaving the investor exposed to Capital loss.

Other Definitions

Last Price: Price of the stock as of the close of the market of the last trading day before date of the report.

Capital Allocation Rating: Our Capital Allocation (or Stewardship) Rating represents our assessment of the quality of management's capital allocation, with particular emphasis on the firm's balance sheet, investments, and shareholder distributions. Analysts consider compan-

opinions presented herein do not constitute investment advice; are provided solely for informational purposes and therefore are not an offer to buy or sell a security; and are not warranted to be correct, complete or accurate. The opinions expressed are as of the date written and are subject to change without notice. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, the information, data, analyses or opinions or their use. The information contained herein is the proprietary property of Morningstar and may not be reproduced, in whole or in part, or used in any manner, without the prior written consent of Morningstar. Incestment research is produced and issued by subsidiaries of Morningstar, all +1312-686-6100. To license the research, call +1312-686-6689. Please see important disclosures at

©2024 Morninostar. All Biohts Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and

Morningstar Equity Research Star Rating Methodology



ies' investment strategy and valuation, balance sheet management, and dividend and share buyback policies. Corporate governance factors are only considered if they are likely to materially impact shareholder value, though either the balance sheet, investment, or shareholder distributions. Analysts assign one of three ratings: "Exemplary", "Standard", or "Poor". Analysts judge Capital Allocation from an equity holder's perspective. Ratings are determined on a forward looking and absolute basis. The Standard rating is most common as most managers will exhibit neither exceptionally strong nor poor capital allocation.

Capital Allocation (or Stewardship) analysis published prior to Dec. 9, 2020, was determined using a different process. Beyond investment strategy, financial leverage, and dividend and share buyback policies, analysts also considered execution, compensation, related party transactions, and accounting practices in the rating.

Capital Allocation Rating: Our Capital Allocation (or Stewardship) Rating represents our assessment of the quality of management's capital allocation, with particular emphasis on the firm's balance sheet, investments, and shareholder distributions. Analysts consider companies' investment strategy and valuation, balance sheet management, and dividend and share buyback policies. Corporate governance factors are only considered if they are likely to materially impact shareholder value, though either the balance sheet, investment, or shareholder distributions. Analysts assign one of three ratings: "Exemplary", "Standard", or "Poor". Analysts judge Capital Allocation from an equity holder's perspective. Ratings are determined on a forward looking and absolute basis. The Standard rating is most common as most managers will exhibit neither exceptionally strong nor poor capital allocation.

Capital Allocation (or Stewardship) analysis published prior to Dec. 9, 2020, was determined using a different process. Beyond investment strategy, financial leverage, and dividend and share buyback policies, analysts also considered execution, compensation, related party transactions, and accounting practices in the rating.

Sustainalytics ESG Risk Rating Assessment: The ESG Risk Rating Assessment is provided by Sustainalytics; a Morningstar company.

Sustainalytics' ESG Risk Ratings measure the degree to which company's economic value at risk is driven by environment, social and governance (ESG) factors.

Sustainalytics analyzes over 1,300 data points to assess a company's exposure to and management of ESG risks. In other words, ESG Risk Ratings measures a company's unmanaged ESG Risks represented as a quantitative score. Unmanaged Risk is measured on an open-ended scale starting at zero (no risk) with lower scores representing less unmanaged risk and, for 95% of cases, the unmanaged ESG Risk score is below 50.

Based on their quantitative scores, companies are grouped into one of five Risk Categories (negligible, low, medium, high, severe). These risk categories are absolute, meaning that a 'high risk' assessment reflects a comparable degree of unmanaged ESG risk across all subindustries covered.

The ESG Risk Rating Assessment is a visual representation of Sustainalytics ESG Risk Categories on a 1 to 5 scale. Companies with Negligible Risk = 5 Globes, Low Risk = 4, Medium Risk = 3 Globes, High Risk = 2 Globes, Severe Risk = 1 Globe. For more information, please visit sustainalytics.com/esg-ratings/

Ratings should not be used as the sole basis in evaluating a company or security. Ratings involve unknown risks and uncertainties which may cause our expectations not to occur or to differ significantly from what was expected and should not be considered an offer or solicitation to buy or sell a security.

Risk Warning

Please note that investments in securities are subject to market and other risks and there is no assurance or guarantee that the intended investment objectives will be achieved. Past performance of a security may or may not be sustained in future and is no indication of future performance. A security investment return and an investor's principal value will fluctuate so that, when redeemed, an investor's shares may be worth more or less than their original cost. A security's current investment performance may be lower or higher than the investment performance noted within the report. Morningstar's Uncertainty Rating serves as a useful data point with respect to sensitivity analysis of the assumptions used in our determining a fair value price.

General Disclosure

Unless otherwise provided in a separate agreement, recipients accessing this report may only use it in the country in which the Morningstar distributor is based. Unless stated otherwise, the original distributor of the report is Morningstar Research Services LLC, a U.S.A. domiciled financial institution.

This Report is for informational purposes, should not be the sole piece of information used in making an investment decision, and has no regard to the specific investment objectives, financial situation or particular needs of any specific recipient. This publication is intended to provide information to assist investors in making their own investment decisions, not to provide investment advice to any specific investor. Therefore, investments discussed herein may not be suitable for all investors; investors must exercise their own independent judgment as to the suitability of such investments and recommendations in the light of their own investment objectives, experience, taxation status and financial position. Morningstar encourages Report recipients to read all relevant issue documents (e.g., prospectus) pertaining to the security concerned, including without limitation, information relevant to its investment objectives, risks, and costs before making an investment decision and when deemed necessary, to seek the advice of a financial, legal, tax, and/or accounting professional. The information, data, analyses and opinions presented herein are not warranted to be accurate, correct, complete or timely. Unless otherwise provided in a separate agreement, neither Morningstar, Inc. or the Equity Research Group represents that the report contents meet all of the presentation and/or disclosure standards applicable in the jurisdiction the recipient is located.

Except as otherwise required by law or provided for in a separate agreement, the analyst, Morningstar, Inc. and the Equity Research Group and their officers, directors and employees shall not be responsible or liable for any trading decisions, damages or other losses resulting from, or related to, the information, data, analyses or opinions within the report.

The Report and its contents are 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 Morningstar, Inc. or its affiliates to any registration or licensing requirements in such jurisdiction.

Where this report is made available in a language other than English and in the case of inconsistencies between the English and translated versions of the report, the English version will control and supersede any ambiguities associated with any part or section of a report that has been issued in a foreign language. Neither the analyst, Morningstar, Inc., or the Equity Research Group guarantees the accuracy of the translations.

This report may be distributed in certain localities, countries and/or jurisdictions ("Territories") by independent third parties or independent intermediaries and/or distributors ("Distributors"). Such Distributors are not acting as agents or representatives of the analyst, Morningstar, Inc. or the Equity Research Group. In Territories where a Distributor distributes our report, the Distributor is solely responsible for complying with all applicable regulations, laws, rules, circulars, codes and guidelines established by local and/or regional regulatory bodies, including laws in

M RNINGSTAR®

©2024 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions presented herein do not constitute investment advice; are provided solely for informational purposes and therefore are not an offer to buy or sell a security; and are not warranted to be correct, complete or other losses esulting from, or related to, the information, data, analyses or opinions expressed herein is the proprietary property of Morningstar and may not be responsible for any trading decisions, damages or other losses resulting from, or related to, the information, data, analyses or opinions or their use. The information contained herein is the proprietary property of Morningstar and may not be reproduced, in whole or in part, or used in any manner, without the prior written consent of Morningstar. Investment research is produced and issued by subsidiaries of Morningstar, lnc. including, but not limited to, Morningstar Besearch Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. To order reprints, call +1 312-696-6100. To license the research, call +1 312-696-6869. Please see important disclosures at the end of this report.

connection with the distribution third-party research reports.

Conflicts of Interest

- No interests are held by the analyst with respect to the security subject of this investment research report.
- Morningstar, Inc. may hold a long position in the security subject of this investment research report that exceeds 0.5% of the total issued share capital of the security. To determine if such is the case, please click http://msi.morningstar.com and http://mdi.morningstar.com
- Analysts' compensation is derived from Morningstar, Inc.'s overall earnings and consists of salary, bonus and in some cases restricted stock.
- Neither Morningstar, Inc. or the Equity Research Group receives commissions for providing research nor do they charge companies to be rated.
- Morningstar's overall earnings are generated in part by the activities of the Investment Management and Research groups, and other affiliates, who provide services to product issuers.
- Morningstar employees may not pursue business and employment opportunities outside Morningstar within the investment industry (including but not limited to, working as a financial planner, an investment professional or investment professional representative, a broker-dealer or broker-dealer agent, a financial writer, reporter, or analyst) without the approval of Morningstar's Legal and if applicable, Compliance teams.
- Neither Morningstar, Inc. or the Equity Research Group is a market maker or a liquidity provider of the security noted within this report.
- Neither Morningstar, Inc. or the Equity Research Group has been a lead manager or co-lead manager over the previous 12-months of any publicly disclosed offer of financial instruments of the issuer.
- Morningstar, Inc.'s investment management group does have arrangements with financial institutions to provide portfolio management/investment advice some of which an analyst may issue investment research reports on. However, analysts do not have authority over Morningstar's investment management group's business arrangements nor allow employees from the investment management group to participate or influence the analysis or opinion prepared by them.
- Morningstar, Inc. is a publicly traded company (Ticker Symbol: MORN) and thus a financial institution the security of which is the subject of this report may own more than 5% of Morningstar, Inc.'s total outstanding shares. Please access Morningstar, Inc.'s proxy statement, "Security Ownership of Certain Beneficial Owners and Management" section https:// shareholders.morningstar.com/investor-relations/financials/sec-filings/default.aspx
- Morningstar, Inc. may provide the product issuer or its related entities with services or products for a fee and

on an arms' length basis including software products and licenses, research and consulting services, data services, licenses to republish our ratings and research in their promotional material, event sponsorship and website advertising.

Further information on Morningstar, Inc.'s conflict of interest policies is available from http://global.morningstar.com/equitydisclosures. Also, please note analysts are subject to the CFA Institute's Code of Ethics and Standards of Professional Conduct.

Risk Warning Please note that investments in securities are subject to market and other risks and there is no assurance or guarantee that the intended investment objectives will be achieved. Past performance of a security may or may not be sustained in future and is no indication of future performance. A security's investment return and an investor's principal value will fluctuate so that, when redeemed, an investor's shares may be worth more or less than their original cost. A security's current investment performance noted within the report. For investments in foreign markets there are further risks, generally based on exchange rate changes or changes in political and social conditions.

For more information about Morningstar's methodologies, please visit global.morningstar.com/equitydisclosures

For a list of securities which the Equity Research Group currently covers and provides written analysis on please contact your local Morningstar office. In addition, for historical analysis of securities covered, including their fair value estimate, please contact your local office.

For recipients in Australia: This Report has been issued and distributed in Australia by Morningstar Australasia Pty Ltd (ABN: 95 090 665 544; ASFL: 240892). Morningstar Australasia Pty Ltd is the provider of the general advice ('the Service') and takes responsibility for the production of this report. The Service is provided through the research of investment products.

To the extent the Report contains general advice it has been prepared without reference to an investor's objectives, financial situation or needs. Investors should consider the advice in light of these matters and, if applicable, the relevant Product Disclosure Statement before making any decision to invest. Refer to our Financial Services Guide (FSG) for more information at http:// www.morningstar.com.au/fsg.pdf

For recipients in New Zealand: This report has been issued and distributed by Morningstar Australasia Pty Ltd and/or Morningstar Research Ltd (together 'Morningstar'). This report has been prepared and is intended for distribution in New Zealand to wholesale clients only and has not been prepared for use by New Zealand retail clients (as those terms are defined in the Financial Markets Conduct Act 2013).The information, views and any recommendations in this material are provided for general information purposes only, and solely relate to the companies and investment opportunities specified within. Our reports do not take into account any particular investor's financial situation, objectives or appetite for risk, meaning no representation may be implied as to the suitability of any financial product mentioned for any particular investor. We recommend seeking financial advice before making any investment decision.

For recipients in Hong Kong: The Report is distributed by Morningstar Investment Management Asia Limited, which is regulated by the Hong Kong Securities and Futures Commission to provide services to professional investors only. Neither Morningstar Investment Management Asia Limited, nor its representatives, are acting or will be deemed to be acting as an investment professional to any recipients of this information unless expressly agreed to by Morningstar Investment Management Asia Limited.

For recipients in India: This investment research is issued by Morningstar Investment Adviser India Private Limited. Morningstar Investment Adviser India Private Limited is registered with SEBI as a Portfolio Manager (registration number INP000006156) and as a Research Entity (registration number INH000008686). Morningstar Investment Adviser India Private Limited has not been the subject of any disciplinary action by SEBI or any other legal/regulatory body. Morningstar Investment Adviser India Private Limited is a wholly owned subsidiary of Morningstar Investment Management LLC. In India, Morningstar Investment Adviser India Private Limited has one associate, Morningstar India Private Limited, which provides data-related services, financial data analysis, and software development. The research analyst has not served as an officer, director, or employee of the fund company within the last 12 months, nor have they or their associates engaged in market-making activity for the fund company. The ESG-related information, methodologies, tool, ratings, data and opinions contained or reflected herein are not directed to or intended for use or distribution to India-based clients or users and their distribution to Indian resident individuals or entities is not permitted, and Morningstar/Sustainalytics accepts no responsibility or liability whatsoever for the actions of third parties in this respect.

*The Conflicts of Interest disclosure above also applies to relatives and associates of Manager Research Analysts in India # The Conflicts of Interest disclosure above also applies to associates of Manager Research Analysts in India. The terms and conditions on which Morningstar In-

©2024 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions presented herein do not constitute investment advice; are provided solely for informational purposes and therefore are not an offer to buy or sell a security; and are not warranted to be correct, complete or or other uses required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, the information, data, analyses or opinions constance therein is the proprietary property of Morningstar and may not be reproduced, in whole or in part, or used in any manner, without the prior written consent of Morningstar. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. To order reprints, call +1 312-696-6100. To license the research, call +1 312-696-6869. Please see important disclosures at the end of this report.

Page 12 of 13



vestment Adviser India Private Limited offers Investment Research to clients, varies from client to client, and are detailed in the respective client agreement.

For recipients in Japan: The Report is distributed by lbbotson Associates Japan, Inc., which is regulated by Financial Services Agency, for informational purposes only. Neither Ibbotson Associates Japan, Inc., nor its representatives, are acting or will be deemed to be acting as an investment professional to any recipients of this information.

For recipients in Singapore: For Institutional Investor audiences only. The Report is distributed by Morningstar Investment Adviser Singapore Pte. Limited, which is licensed by the Monetary Authority of Singapore to provide financial advisory services in Singapore. Morningstar Investment Adviser Singapore Pte. Limited is the entity responsible for the creation and distribution of the research services described in this presentation. Investors should consult a financial adviser regarding the suitability of any investment product, taking into account their specific investment objectives, financial situation or particular needs, before making any investment decisions.

For recipients in Korea: The report is distributed by Morningstar Korea Ltd., which has filed to the Financial Services Committee, for informational purposes only. Neither Morningstar Korea Ltd. nor its representatives are acting or will be deemed to be acting as an investment advisor to any recipients of this information.

©2024 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions presented herein do not constitute investment advice; are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and are not warranted to be correct, complete or other losses are as of the date written and are subject to change without notice. Except as otherwise required by law. Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, the information, data, analyses or opinions or their use. The information contained herein is the proprietary property of Morningstar and may not be reproduced, in whole or in part, or used in any manner, without the prior written consent of Morningstar. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. To order reprints, call + 1 312-696-6100. To license the research, call + 1 312-696-6869. Please see important disclosures at the end of this report.

M RNINGSTAR[®]