

Russell/Nomura Japan Equity Indexes

EQUITY: EQUITY QUANTITATIVE RESEARCH (INDEX)

Performance summary



Research Analysts

[Japan index products](#)

Index Operations Dept. - NSC

idx_mgr@jp.nomura.com

+81 3 6703 3986

Fig. 1: Russell/Nomura Japan Equity Indexes performance summary

As of end-November 2020

Total return (including dividends)

Index	No. of stocks	Weight (%)	Index value	Returns (%) *				
				1 month	3 months	6 months	12 months	YTD
Total Market	1600	100.00	701.45	11.38	9.62	13.79	6.44	4.88
Value	1228	49.51	1250.70	8.23	3.65	6.38	-7.91	-9.22
Growth	813	50.49	348.06	14.67	15.36	20.91	21.41	19.55
Large	350	86.40	672.20	12.36	10.24	14.86	7.87	6.29
Large Value	242	40.41	1140.23	9.06	3.47	6.73	-8.09	-9.34
Large Growth	214	45.99	363.61	15.50	16.16	21.96	23.22	21.31
Top	60	50.31	550.49	13.30	10.88	15.90	9.73	7.84
Top Value	38	21.92	1042.26	8.90	3.31	7.90	-4.80	-6.25
Top Growth	39	28.39	308.76	16.93	17.27	22.66	23.48	21.13
Mid	290	36.09	922.20	10.96	9.20	13.29	5.09	3.97
Mid Value	204	18.49	1159.23	9.19	3.61	4.64	-13.39	-14.36
Mid Growth	175	17.60	526.39	13.34	14.46	20.86	22.79	21.54
Mid-Small	1540	49.69	913.28	9.34	8.28	11.55	3.01	1.77
Mid-Small Value	1190	27.59	1314.72	7.40	3.92	4.69	-11.13	-12.29
Mid-Small Growth	774	22.10	461.83	12.02	13.09	18.81	18.98	17.68
Small	1250	13.60	884.56	5.54	5.84	7.47	-1.79	-3.26
Small Value	986	9.10	1525.77	4.64	4.50	4.81	-7.12	-8.64
Small Growth	599	4.50	359.30	7.49	8.43	12.03	7.15	5.77
Small Core	400	8.91	284.07	5.84	5.50	7.36	-1.73	-3.06
Small Core Value	310	5.84	365.69	4.98	4.30	5.19	-7.10	-8.20
Small Core Growth	212	3.08	130.80	7.61	7.72	10.92	6.63	4.92
Micro	850	4.69	346.07	4.98	6.49	7.70	-1.87	-3.62
Micro Value	676	3.26	426.77	4.10	4.88	4.20	-7.11	-9.35
Micro Growth	387	1.43	144.23	7.26	9.97	14.51	8.31	7.64
Prime	1000	97.45	1966.50	11.55	9.72	13.97	6.62	5.09
Prime Value	765	47.82	2041.58	8.36	3.61	6.47	-8.02	-9.24
Prime Growth	524	49.63	1747.31	14.82	15.51	21.06	21.68	19.81

Note: * Returns are not annualized.

Source: Nomura

What are the Russell/Nomura Japan Equity Indexes?

The Russell/Nomura Japan Equity Indexes are Japanese equity indexes developed jointly by FTSE Russell Indexes and the Global Research Division, Financial Engineering & Technology Research Center, Nomura Securities Co., Ltd.

Russell/Nomura Japan Equity Indexes should be useful in:

- Determining investment strategies (strategic asset allocation)
- Determining manager structures
- Devising asset management benchmarks
- Supporting portfolio management activities
- Evaluating the performance of various investment styles
- Managing risk

Russell/Nomura Japan Equity Indexes have the following characteristics:

- They are share price indexes that are weighted by free float-adjusted market capitalization and cover the top 98% of all listed stocks in terms of float-adjusted market capitalization, thereby offering broad market coverage.
- In addition to stocks listed on the First Section of the Tokyo Stock Exchange (TSE-1), they include stocks listed on other exchanges.
- Because the indexes take into consideration the stable shareholding ratio, they reflect the stocks that are actually available for investment.
- There are style indexes for large and small companies and for value and growth stocks.
- The Prime Index consists of the top 1,000 stocks in the Total Market Index by market cap excluding stable shareholdings.
- Stocks are selected quantitatively based on clearly defined criteria.
- The composition of each index is reviewed once a year.

Complete details of rules for the Russell/Nomura Japan Equity Index can be found in the *Russell/Nomura Japan Equity Indexes rulebook*.

Fig. 2: Russell/Nomura Japan Equity Indexes performance summary

As of end-November 2020

Price return (excluding dividends)

Index	No. of stocks	Weight (%)	Index value	Returns (%) *				
				1 month	3 months	6 months	12 months	YTD
Total Market	1600	100.00	398.57	11.34	8.69	12.66	3.93	2.55
Value	1228	49.51	659.53	8.19	2.35	4.91	-10.85	-12.01
Growth	813	50.49	212.67	14.63	14.78	20.08	19.42	17.80
Large	350	86.40	380.21	12.32	9.26	13.66	5.30	3.91
Large Value	242	40.41	596.70	9.01	2.04	5.14	-11.13	-12.24
Large Growth	214	45.99	220.53	15.46	15.55	21.10	21.18	19.51
Top	60	50.31	300.61	13.23	9.73	14.52	6.84	5.18
Top Value	38	21.92	528.63	8.83	1.70	6.11	-8.19	-9.48
Top Growth	39	28.39	179.38	16.87	16.54	21.63	21.19	19.13
Mid	290	36.09	546.44	10.96	8.57	12.39	2.99	2.02
Mid Value	204	18.49	634.23	9.17	2.49	3.36	-15.88	-16.72
Mid Growth	175	17.60	338.83	13.33	14.02	20.24	21.13	20.05
Mid-Small	1540	49.69	537.56	9.33	7.59	10.68	0.88	-0.20
Mid-Small Value	1190	27.59	718.32	7.38	2.93	3.52	-13.62	-14.65
Mid-Small Growth	774	22.10	297.26	12.01	12.67	18.21	17.33	16.21
Small	1250	13.60	511.44	5.52	5.22	6.67	-3.97	-5.29
Small Value	986	9.10	830.32	4.62	3.71	3.84	-9.63	-11.00
Small Growth	599	4.50	230.94	7.48	8.06	11.48	5.56	4.35
Small Core	400	8.91	202.23	5.84	4.90	6.58	-3.91	-5.10
Small Core Value	310	5.84	251.46	4.98	3.53	4.23	-9.64	-10.61
Small Core Growth	212	3.08	99.19	7.61	7.34	10.37	5.03	3.49
Micro	850	4.69	242.45	4.95	5.86	6.86	-4.06	-5.63
Micro Value	676	3.26	287.06	4.06	4.06	3.21	-9.57	-11.64
Micro Growth	387	1.43	111.61	7.24	9.65	13.93	6.76	6.27
Prime	1000	97.45	1337.55	11.51	8.78	12.82	4.10	2.75
Prime Value	765	47.82	1314.04	8.32	2.28	4.98	-10.97	-12.05
Prime Growth	524	49.63	1251.37	14.78	14.92	20.22	19.68	18.05

Note: * Returns are not annualized.

Source: Nomura

Fig. 3: Russell/Nomura Japan Equity Indexes performance summary

As of end-November 2020

Total return (including dividends)

Index	No. of stocks	Weight (%)	Index value	Returns (%) *				
				1 month	3 months	6 months	12 months	YTD
Total Market	1600	100.00	701.45	11.38	9.62	13.79	6.44	4.88
Value	1228	49.51	1250.70	8.23	3.65	6.38	-7.91	-9.22
Growth	813	50.49	348.06	14.67	15.36	20.91	21.41	19.55
Large	350	86.40	672.20	12.36	10.24	14.86	7.87	6.29
Large Value	242	40.41	1140.23	9.06	3.47	6.73	-8.09	-9.34
Large Growth	214	45.99	363.61	15.50	16.16	21.96	23.22	21.31
Top	60	50.31	550.49	13.30	10.88	15.90	9.73	7.84
Top Value	38	21.92	1042.26	8.90	3.31	7.90	-4.80	-6.25
Top Growth	39	28.39	308.76	16.93	17.27	22.66	23.48	21.13
Mid	290	36.09	922.20	10.96	9.29	13.29	5.09	3.97
Mid Value	204	18.49	1159.23	9.19	3.61	4.64	-13.39	-14.36
Mid Growth	175	17.60	526.39	13.34	14.46	20.86	22.79	21.54
Mid-Small	1540	49.69	913.28	9.34	8.28	11.55	3.01	1.77
Mid-Small Value	1190	27.59	1314.72	7.40	3.92	4.69	-11.13	-12.29
Mid-Small Growth	774	22.10	461.83	12.02	13.09	18.81	18.98	17.68
Small	1250	13.60	884.56	5.54	5.84	7.47	-1.79	-3.26
Small Value	986	9.10	1525.77	4.64	4.50	4.81	-7.12	-8.64
Small Growth	599	4.50	359.30	7.49	8.43	12.03	7.15	5.77
Small Core	400	8.91	284.07	5.84	5.50	7.36	-1.73	-3.06
Small Core Value	310	5.84	365.69	4.98	4.30	5.19	-7.10	-8.20
Small Core Growth	212	3.08	130.80	7.61	7.72	10.92	6.63	4.92
Micro	850	4.69	346.07	4.98	6.49	7.70	-1.87	-3.62
Micro Value	676	3.26	426.77	4.10	4.88	4.20	-7.11	-9.35
Micro Growth	387	1.43	144.23	7.26	9.97	14.51	8.31	7.64
Prime	1000	97.45	1966.50	11.55	9.72	13.97	6.62	5.09
Prime Value	765	47.82	2041.58	8.36	3.61	6.47	-8.02	-9.24
Prime Growth	524	49.63	1747.31	14.82	15.51	21.06	21.68	19.81

Note: * Returns are not annualized.

Source: Nomura

Fig. 4: Russell/Nomura index data by industrial sector

As of end-November 2020

Number of stocks and weighting

index	Total Market		Value		Growth		Small		Prime	
	No. of stocks	Weight (%)	No. of stocks	Weight (%)	No. of stocks	Weight (%)	No. of stocks	Weight (%)	No. of stocks	Weight (%)
Total	1600	100.00	1228	100.00	813	100.00	1250	100.00	1000	100.00
Fishery, agriculture & forestry	6	0.08	6	0.14	2	0.02	6	0.59	4	0.07
Mining	4	0.15	4	0.30	0	0.00	3	0.16	2	0.15
Construction	72	2.23	69	4.09	10	0.41	58	4.51	46	2.17
Foods	69	3.39	60	3.37	45	3.41	49	3.93	44	3.37
Textiles & apparels	20	0.42	19	0.76	5	0.09	17	1.10	12	0.40
Pulp & paper	8	0.18	8	0.37	0	0.00	7	0.77	7	0.18
Chemicals	121	7.62	101	6.00	47	9.20	91	7.79	72	7.59
Pharmaceutical	46	6.23	26	4.00	34	8.40	29	2.66	36	6.35
Oil & coal products	4	0.37	4	0.75	0	0.00	2	0.21	3	0.37
Rubber products	10	0.57	10	1.15	2	0.01	9	1.00	7	0.58
Glass & ceramics products	21	0.78	21	1.17	8	0.41	15	1.47	16	0.78
Iron & Steel	18	0.56	18	1.12	1	0.02	15	1.21	10	0.54
Nonferrous metals	19	0.66	19	1.30	1	0.03	16	1.70	12	0.64
Processed metals	23	0.58	23	0.96	8	0.22	19	1.25	15	0.57
Machinery and metal products	101	5.73	89	4.39	43	7.05	81	6.65	66	5.72
Electric appliances	123	18.48	102	11.49	69	25.33	82	6.89	88	18.80
Transportation equipment	45	5.97	44	11.07	4	0.97	32	2.59	34	6.09
Precision instruments	27	2.94	17	0.41	20	5.42	20	2.05	19	2.98
Other products	39	2.64	30	0.84	22	4.41	32	1.88	21	2.65
Electric power & gas	22	1.28	21	2.45	5	0.13	12	1.10	18	1.30
Land transportation	41	3.33	38	4.67	19	2.01	20	2.06	33	3.37
Marine transportation	4	0.18	4	0.36	0	0.00	2	0.27	4	0.18
Air transportation	2	0.34	2	0.69	0	0.00	0	0.00	2	0.35
Warehousing & harbor transportation services	12	0.15	12	0.27	3	0.02	12	1.09	6	0.13
Information & communication	189	10.49	69	6.66	176	14.25	158	11.07	97	10.39
Wholesale trade	102	4.14	95	7.23	29	1.10	88	6.23	55	4.03
Retail trade	140	4.55	97	3.07	96	6.01	116	9.10	88	4.45
Banks	71	4.27	71	8.61	1	0.01	58	5.22	50	4.28
Securities & commodity futures	18	0.80	17	1.51	5	0.09	15	0.98	10	0.78
Insurance	8	1.93	6	3.85	2	0.06	2	0.20	8	1.98
Other financing business	21	1.15	18	1.57	7	0.73	17	2.20	18	1.17
Real estate	48	1.83	39	3.14	22	0.55	39	2.84	24	1.78
Services	146	5.97	69	2.22	128	9.65	128	9.22	73	5.82

Source: Nomura

Fig. 5: Russell/Nomura index data by industrial sector

As of end-November 2020

Monthly return*

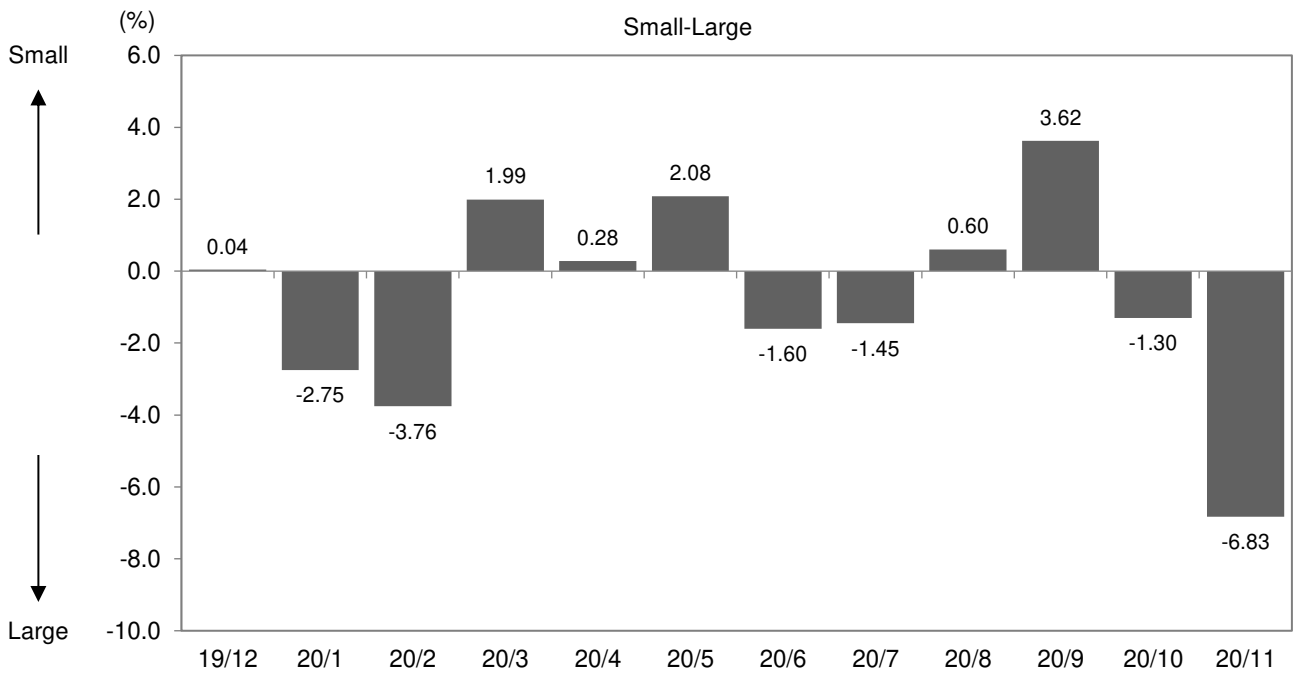
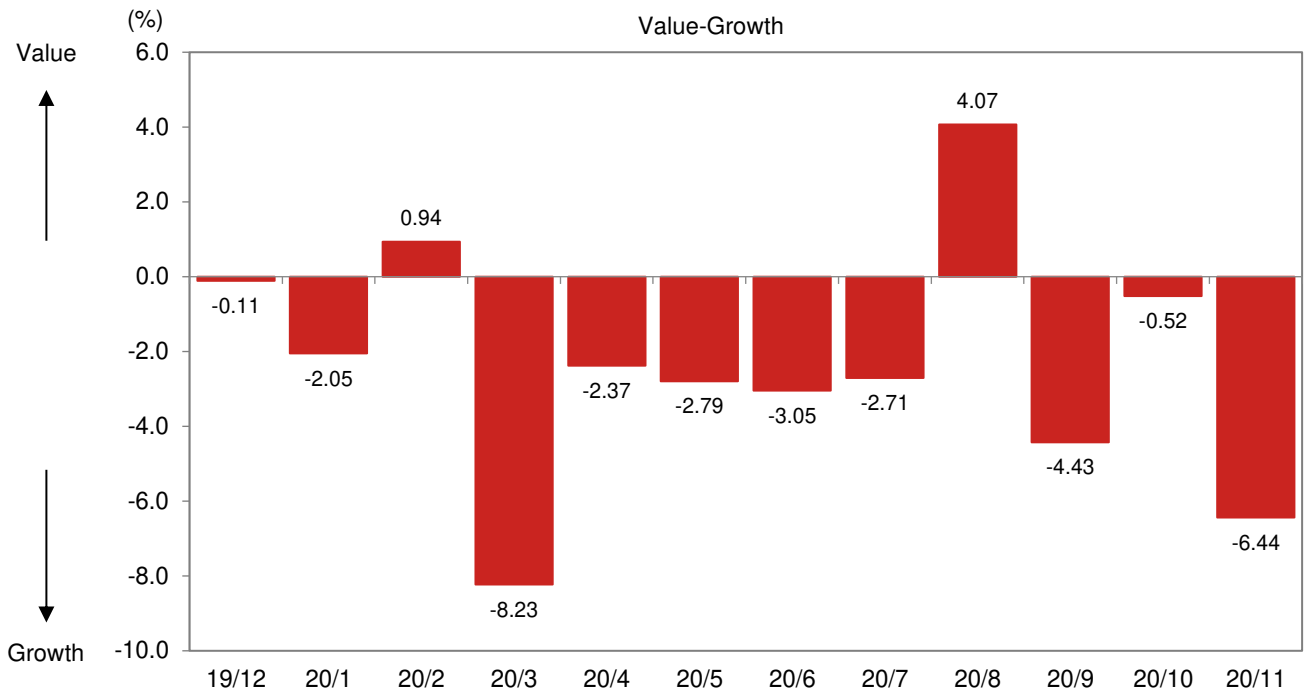
index	Total Market		Value		Growth		Small		Prime	
	excl dividends	incl dividends	excl dividends	incl dividends	excl dividends	incl dividends	excl dividends	incl dividends	excl dividends	incl dividends
Total	11.34	11.38	8.19	8.23	14.63	14.67	5.52	5.54	11.51	11.55
Fishery, agriculture & forestry	-3.54	-3.41	-2.01	-1.91	-6.48	-6.15	-3.54	-3.41	-4.10	-3.97
Mining	16.98	16.98	16.98	16.98	-	-	8.40	8.40	17.55	17.55
Construction	9.21	9.27	8.19	8.22	14.02	14.37	4.91	4.93	9.41	9.46
Foods	8.09	8.11	2.99	3.01	9.44	9.44	0.73	0.73	8.34	8.36
Textiles & apparels	8.14	8.13	9.69	9.67	-0.24	-0.24	-3.17	-3.08	8.26	8.25
Pulp & paper	6.40	6.41	6.47	6.47	-	-	5.34	5.35	6.01	6.02
Chemicals	12.62	12.62	8.33	8.33	15.32	15.31	4.79	4.80	12.86	12.85
Pharmaceutical	14.54	14.54	10.69	10.69	16.02	16.02	4.16	4.18	14.66	14.66
Oil & coal products	3.03	3.03	3.03	3.03	-	-	8.98	8.98	3.27	3.27
Rubber products	6.24	6.23	6.65	6.64	-0.57	-0.57	2.09	2.06	6.25	6.24
Glass & ceramics products	10.24	10.17	7.15	7.15	18.84	18.57	4.31	4.30	10.68	10.61
Iron & Steel	19.60	19.62	19.54	19.56	-	-	8.89	8.94	20.41	20.43
Nonferrous metals	10.82	10.91	11.11	11.20	-3.55	-3.55	10.47	10.44	10.63	10.72
Processed metals	14.16	14.16	13.54	13.53	16.78	16.79	5.59	5.58	14.92	14.92
Machinery and metal products	15.03	15.03	9.75	9.77	18.14	18.13	8.58	8.62	15.23	15.24
Electric appliances	15.60	15.60	11.48	11.47	17.36	17.37	10.96	10.98	15.61	15.61
Transportation equipment	9.28	9.48	9.23	9.43	13.95	14.15	3.49	3.48	9.30	9.50
Precision instruments	14.29	14.29	8.56	8.53	14.79	14.79	9.50	9.48	14.37	14.37
Other products	7.75	8.26	3.74	3.74	8.67	9.29	2.39	2.42	7.88	8.40
Electric power & gas	3.41	3.41	2.25	2.25	29.74	29.74	7.49	7.49	2.92	2.92
Land transportation	10.96	10.99	7.34	7.35	17.74	17.83	3.77	3.79	11.06	11.10
Marine transportation	19.48	19.56	19.25	19.33	-	-	25.45	25.45	19.88	19.96
Air transportation	9.35	9.35	9.25	9.25	-	-	-	-	9.35	9.35
Warehousing & harbor transportation services	4.89	4.89	4.35	4.35	11.48	11.48	6.28	6.28	4.95	4.95
Information & communication	7.64	7.65	2.98	2.99	9.98	9.98	6.11	6.15	7.73	7.73
Wholesale trade	7.94	7.97	8.31	8.35	7.08	7.05	2.69	2.70	8.21	8.24
Retail trade	5.19	5.21	0.16	0.17	7.07	7.10	-0.66	-0.64	5.46	5.48
Banks	5.85	5.85	5.93	5.93	-4.18	-4.18	2.27	2.27	5.90	5.90
Securities & commodity futures	11.70	11.67	11.94	11.94	8.60	8.00	6.10	5.90	11.88	11.84
Insurance	8.39	8.65	8.51	8.78	0.90	0.90	0.90	0.90	8.48	8.74
Other financing business	13.55	13.56	19.64	19.64	4.53	4.55	8.55	8.58	13.65	13.65
Real estate	16.93	16.94	17.13	17.14	18.00	17.99	11.45	11.52	17.58	17.59
Services	16.23	16.22	10.44	10.43	17.39	17.39	12.08	12.07	16.88	16.88

Note: * Returns are not annualized.

Source: Nomura

Fig. 6: Monthly performance

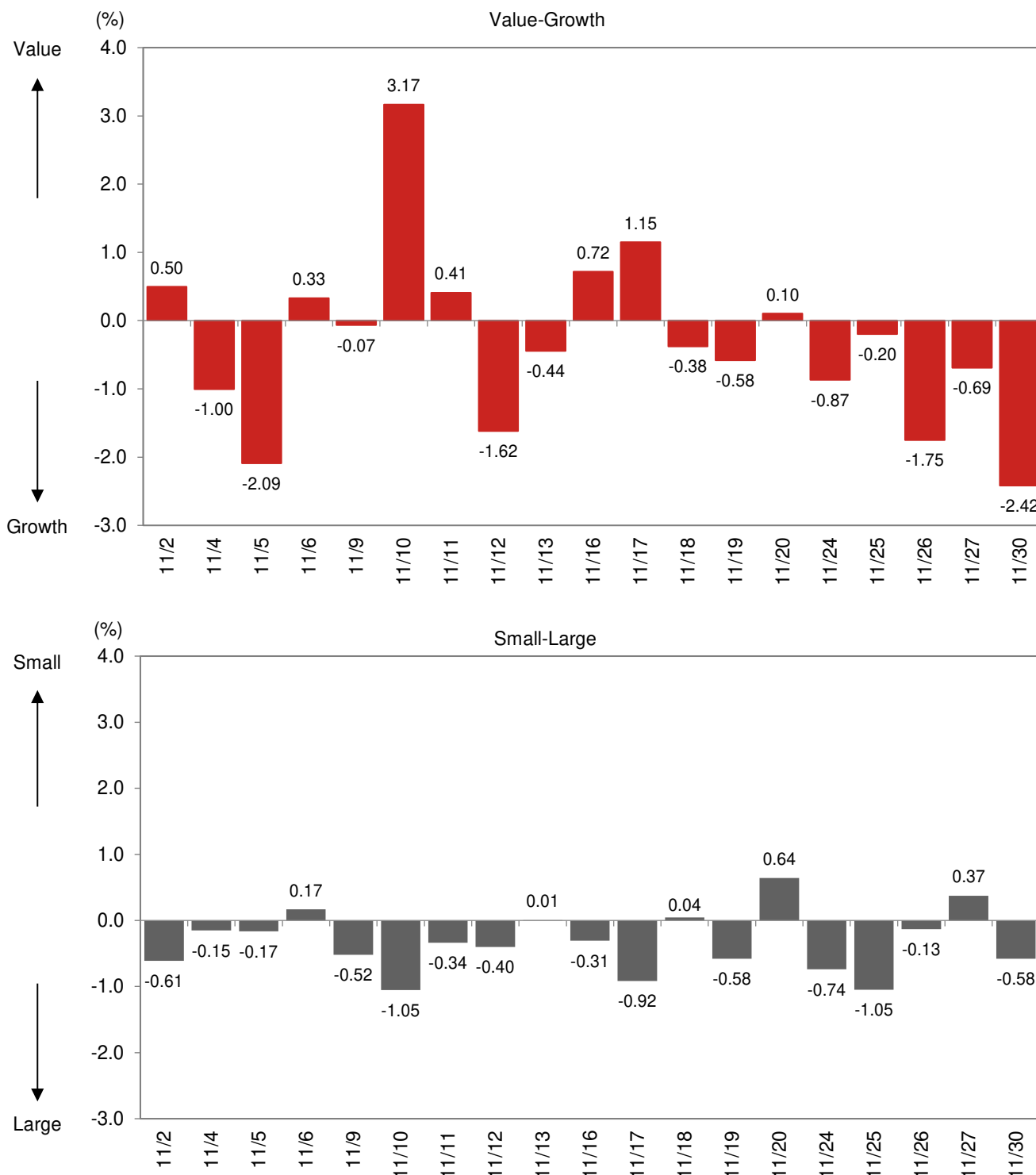
Total return



Note: Value-Growth is the difference between Value and Growth returns. Small-Large is the difference between Small and Large returns. Returns are not annualized.
Source: Nomura

Fig. 7: Daily performance

Total return



Note: Value-Growth is the difference between Value and Growth returns. Small-Large is the difference between Small and Large returns. Returns are not annualized.
 Source: Nomura

Fig. 8: Russell/Nomura Japan Equity Indexes key indicators

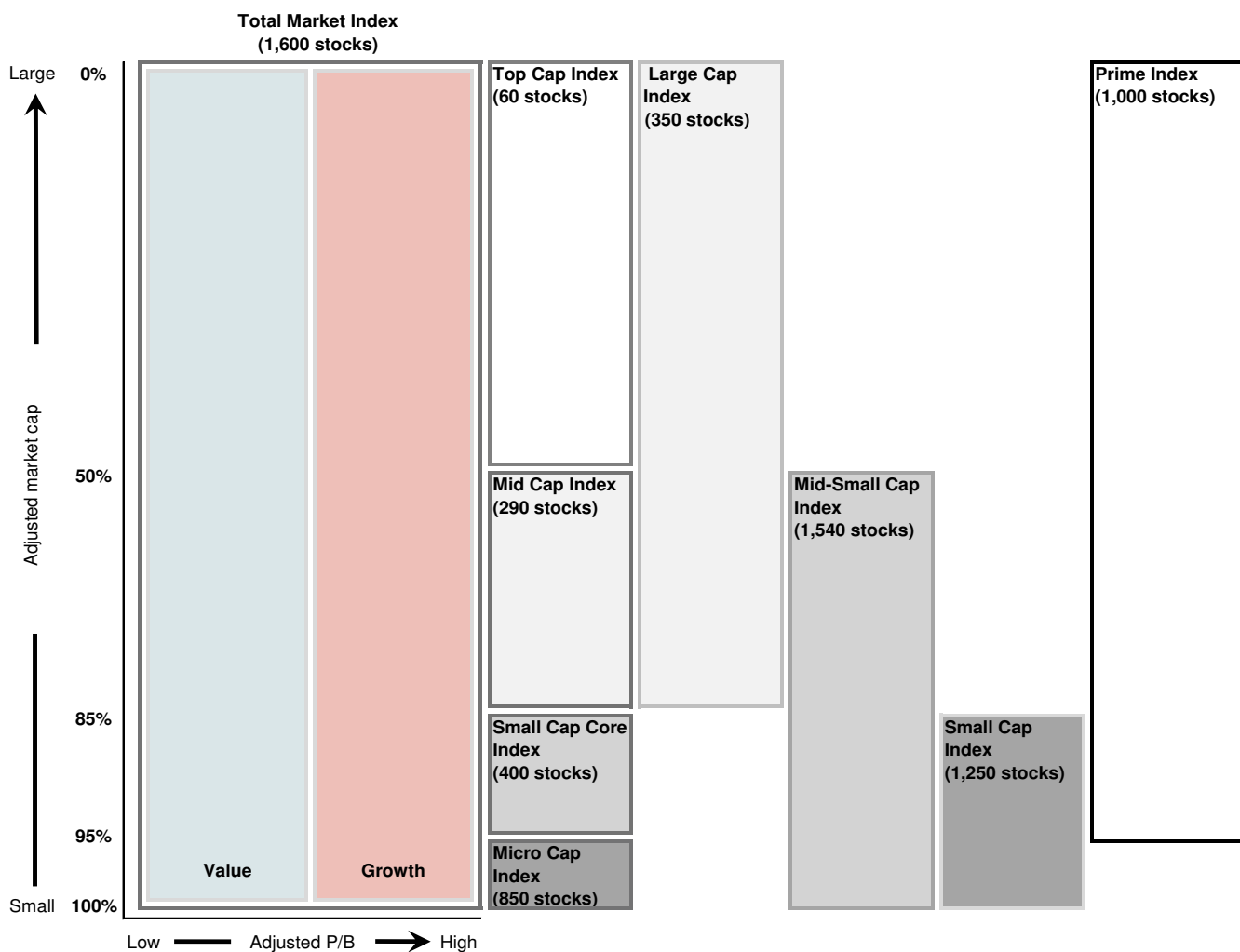
As of end-November 2020

Index	P/E (x)	P/B (x)	Dividend yield (%)	ROE (%)	Rec profit growth (%)
Total Market	24.69	1.34	2.03	5.50	-16.11
Value	21.28	0.82	2.96	3.87	-27.41
Growth	29.29	3.60	1.12	12.85	15.02
Large	24.39	1.43	2.04	5.96	-14.52
Large Value	21.09	0.85	3.08	4.05	-27.53
Large Growth	28.27	3.63	1.12	13.45	17.94
Top	20.23	1.54	2.13	7.76	-5.67
Top Value	16.53	0.87	3.39	5.34	-21.76
Top Growth	24.47	3.72	1.15	16.10	32.69
Mid	34.15	1.31	1.91	3.86	-26.81
Mid Value	31.34	0.82	2.71	2.62	-35.28
Mid Growth	37.71	3.50	1.07	9.54	-4.24
Mid-Small	31.78	1.19	1.93	3.77	-26.14
Mid-Small Value	27.58	0.78	2.62	2.83	-32.43
Mid-Small Growth	39.22	3.47	1.08	9.07	-6.01
Small	26.83	0.96	1.99	3.59	-24.63
Small Value	22.19	0.71	2.44	3.20	-26.91
Small Growth	46.48	3.36	1.09	7.36	-12.75
Small Core	26.45	0.99	2.01	3.77	-26.24
Small Core Value	22.01	0.72	2.47	3.30	-29.20
Small Core Growth	42.89	3.33	1.14	7.93	-10.96
Micro	27.57	0.90	1.96	3.28	-21.32
Micro Value	22.51	0.68	2.38	3.04	-22.21
Micro Growth	56.70	3.41	0.99	6.10	-16.54
Prime	24.65	1.36	2.03	5.58	-15.86
Prime Value	21.30	0.82	2.98	3.90	-27.45
Prime Growth	29.06	3.61	1.12	12.97	15.50

Note: All financial data are based on current-FY forecasts (with preference given to consolidated figures).

Source: Nomura

Fig. 9: Russell/Nomura Japan Equity Indexes



No. of stocks in each index is as of end-November 2020

Source: Nomura

All the indexes (Total Market, the capitalization indexes, Value, Growth, and Prime) also have indexes based on the 33 industrial sectors.

Divisions based on market cap exclude the value of stable shareholdings.

Value and Growth indexes are defined in terms of P/B ratios adjusted for unrealized gains/losses.

For composition rules and other information, please refer to *Russell/Nomura Japan Equity Indexes rulebook*.

Fig. 10: Russell/Nomura Japan Equity Indexes performance summary

As of end-November 2020

Price return (excluding dividends), US dollar basis

Index	No. of stocks	Weight (%)	Index value	Returns (%) *				
				1 month	3 months	6 months	12 months	YTD
Total Market	1600	100.00	919.12	11.69	10.57	16.10	9.39	7.60
Value	1228	49.51	1520.92	8.53	4.11	8.11	-6.17	-7.68
Growth	813	50.49	490.42	14.99	16.76	23.75	25.69	23.59
Large	350	86.40	876.80	12.67	11.15	17.13	10.83	9.02
Large Value	242	40.41	1376.04	9.35	3.80	8.35	-6.46	-7.92
Large Growth	214	45.99	508.56	15.82	17.55	24.79	27.54	25.38
Top	60	50.31	693.22	13.58	11.63	18.01	12.46	10.35
Top Value	38	21.92	1219.07	9.17	3.45	9.35	-3.37	-5.03
Top Growth	39	28.39	413.67	17.23	18.55	25.35	27.55	24.98
Mid	290	36.09	1260.12	11.30	10.44	15.82	8.41	7.04
Mid Value	204	18.49	1462.57	9.52	4.26	6.51	-11.46	-12.63
Mid Growth	175	17.60	781.37	13.69	15.99	23.91	27.49	25.95
Mid-Small	1540	49.69	1239.66	9.67	9.45	14.05	6.18	4.70
Mid-Small Value	1190	27.59	1656.49	7.72	4.71	6.68	-9.08	-10.45
Mid-Small Growth	774	22.10	685.49	12.36	14.61	21.81	23.50	21.93
Small	1250	13.60	1179.42	5.85	7.04	9.93	1.08	-0.63
Small Value	986	9.10	1914.78	4.95	5.50	7.01	-4.88	-6.62
Small Growth	599	4.50	532.57	7.82	9.92	14.88	11.11	9.48
Small Core	400	8.91	198.43	6.17	6.71	9.83	1.13	-0.43
Small Core Value	310	5.84	246.73	5.30	5.31	7.41	-4.90	-6.21
Small Core Growth	212	3.08	97.33	7.94	9.19	13.74	10.55	8.58
Micro	850	4.69	237.90	5.28	7.68	10.12	0.98	-0.99
Micro Value	676	3.26	281.66	4.38	5.86	6.36	-4.82	-7.29
Micro Growth	387	1.43	109.52	7.57	11.54	17.41	12.36	11.49
Prime	1000	97.45	1491.13	11.86	10.66	16.26	9.56	7.80
Prime Value	765	47.82	1464.92	8.66	4.05	8.18	-6.30	-7.73
Prime Growth	524	49.63	1395.05	15.14	16.90	23.89	25.97	23.85

Note: * Returns are not annualized.

Source: Nomura

Fig. 11: Russell/Nomura Japan Equity Indexes performance summary

As of end-November 2020

Total return (including dividends), US dollar basis

Index	No. of stocks	Weight (%)	Index value	Returns (%) *				
				1 month	3 months	6 months	12 months	YTD
Total Market	1600	100.00	1617.58	11.73	11.51	17.26	12.03	10.03
Value	1228	49.51	2884.20	8.57	5.44	9.62	-3.08	-4.75
Growth	813	50.49	802.64	15.03	17.35	24.60	27.78	25.43
Large	350	86.40	1550.13	12.71	12.14	18.36	13.53	11.51
Large Value	242	40.41	2629.46	9.40	5.25	9.99	-3.26	-4.89
Large Growth	214	45.99	838.52	15.86	18.17	25.68	29.69	27.27
Top	60	50.31	1269.47	13.65	12.80	19.44	15.49	13.14
Top Value	38	21.92	2403.51	9.24	5.09	11.19	0.20	-1.64
Top Growth	39	28.39	712.03	17.29	19.30	26.40	29.97	27.08
Mid	290	36.09	2126.66	11.31	11.18	16.75	10.61	9.08
Mid Value	204	18.49	2673.27	9.53	5.39	7.84	-8.84	-10.15
Mid Growth	175	17.60	1213.90	13.69	16.44	24.55	29.24	27.51
Mid-Small	1540	49.69	2106.07	9.68	10.15	14.96	8.42	6.77
Mid-Small Value	1190	27.59	3031.83	7.73	5.71	7.88	-6.46	-7.98
Mid-Small Growth	774	22.10	1065.01	12.37	15.04	22.44	25.23	23.47
Small	1250	13.60	2039.85	5.86	7.67	10.75	3.37	1.50
Small Value	986	9.10	3518.52	4.97	6.30	8.01	-2.24	-4.14
Small Growth	599	4.50	828.58	7.83	10.30	15.45	12.78	10.97
Small Core	400	8.91	278.73	6.17	7.32	10.64	3.43	1.70
Small Core Value	310	5.84	358.82	5.30	6.10	8.40	-2.22	-3.69
Small Core Growth	212	3.08	128.34	7.95	9.58	14.30	12.23	10.08
Micro	850	4.69	339.57	5.31	8.33	10.98	3.28	1.12
Micro Value	676	3.26	418.75	4.42	6.69	7.38	-2.23	-4.89
Micro Growth	387	1.43	141.52	7.60	11.87	18.01	14.00	12.93
Prime	1000	97.45	2192.30	11.90	11.61	17.44	12.22	10.25
Prime Value	765	47.82	2276.00	8.70	5.39	9.72	-3.19	-4.78
Prime Growth	524	49.63	1947.94	15.18	17.50	24.75	28.08	25.70

Note: * Returns are not annualized.

Source: Nomura

Data publication services

Data for the Russell/Nomura Japan Equity Indexes can be obtained via the following channels.¹⁾

Index values are published in the following media:

- Bloomberg (RNJI)
- Jiji (RNSI/12400, RNSIIDV/12400)
- QUICK (NRIJ500–503, 510–517)
- Reuters (FRCNRI01, FRCNRI02, FRCNRI03, FRCNRI04, .JRNP, .JRNS)
- Our website (<http://qr.nomuraholdings.com/en/frcnri/index.html>)

Daily index values for the Russell/Nomura Prime Index are published in the following media:

- Bloomberg (RNPJ <INDEX>)
- Jiji (RNP/NOMURA)
- QUICK (140)

Daily index values for the Russell/Nomura Small Cap Core Index are published in the following media:

- QUICK (130)

More detailed data

More detailed data on index values and individual stock information can be obtained through Nomura Research Institute services Aurora, e-Aurora, and IDS.

For information, contact:

Nomura Research Institute

Investment Information Systems Business Department

+81-45-613-7200

e-mail: ids-sales@nri.co.jp

Other reports:

Russell/Nomura Japan Equity Indexes rulebook

Russell/Nomura Japan Equity Indexes handbook

While every effort is made to ensure that the information used in this report and all published information is based on reliable data, it should be noted that, at times, data may have changed or been amended.

Contact:

Nomura Securities, Tokyo

Global Research Division, Financial Engineering & Technology Research Center

Index Operations Dept.

TEL : +81 (0)3 6703 3986 e-mail: idx_mgr@jp.nomura.com

1. Published data are all for reference only.

Appendix A-1

Analyst Certification

I, Index Operations Dept., hereby certify (1) that the views expressed in this Research report accurately reflect my personal views about any or all of the subject securities or issuers referred to in this Research report, (2) no part of my compensation was, is or will be directly or indirectly related to the specific recommendations or views expressed in this Research report and (3) no part of my compensation is tied to any specific investment banking transactions performed by Nomura Securities International, Inc., Nomura International plc or any other Nomura Group company.

Important Disclosures

The lists of issuers that are affiliates or subsidiaries of Nomura Holdings Inc., the parent company of Nomura Securities Co., Ltd., issuers that have officers who concurrently serve as officers of Nomura Securities Co., Ltd., issuers in which the Nomura Group holds 1% or more of any class of common equity securities and issuers for which Nomura Securities Co., Ltd. has lead managed a public offering of equity or equity linked securities in the past 12 months are available at <https://www.nomuraholdings.com/report/>. Please contact the Research Production Operation Dept. of Nomura Securities Co., Ltd. for additional information.

Online availability of research and conflict-of-interest disclosures

Nomura Group research is available on www.nomuranow.com/research, Bloomberg, Capital IQ, Factset, Reuters and ThomsonOne. Important disclosures may be read at <http://go.nomuranow.com/research/globalresearchportal/pages/disclosures/disclosures.aspx> or requested from Nomura Securities International, Inc. If you have any difficulties with the website, please email grpsupport@nomura.com for help.

The analysts responsible for preparing this report have received compensation based upon various factors including the firm's total revenues, a portion of which is generated by Investment Banking activities. Unless otherwise noted, the non-US analysts listed at the front of this report are not registered/qualified as research analysts under FINRA rules, may not be associated persons of NSI, and may not be subject to FINRA Rule 2241 restrictions on communications with covered companies, public appearances, and trading securities held by a research analyst account.

Nomura Global Financial Products Inc. (NGFP) Nomura Derivative Products Inc. (NDP) and Nomura International plc. (NIplc) are registered with the Commodities Futures Trading Commission and the National Futures Association (NFA) as swap dealers. NGFP, NDPI, and NIplc are generally engaged in the trading of swaps and other derivative products, any of which may be the subject of this report.

Distribution of ratings (Nomura Group)

The distribution of all ratings published by Nomura Group Global Equity Research is as follows:

51% have been assigned a Buy rating which, for purposes of mandatory disclosures, are classified as a Buy rating; 44% of companies with this rating are investment banking clients of the Nomura Group*. 0% of companies (which are admitted to trading on a regulated market in the EEA) with this rating were supplied material services** by the Nomura Group.

43% have been assigned a Neutral rating which, for purposes of mandatory disclosures, is classified as a Hold rating; 58% of companies with this rating are investment banking clients of the Nomura Group*. 0% of companies (which are admitted to trading on a regulated market in the EEA) with this rating were supplied material services by the Nomura Group

6% have been assigned a Reduce rating which, for purposes of mandatory disclosures, are classified as a Sell rating; 14% of companies with this rating are investment banking clients of the Nomura Group*. 0% of companies (which are admitted to trading on a regulated market in the EEA) with this rating were supplied material services by the Nomura Group.

As at 30 September 2020.

*The Nomura Group as defined in the Disclaimer section at the end of this report.

** As defined by the EU Market Abuse Regulation

Definition of Nomura Group's equity research rating system and sectors

The rating system is a relative system, indicating expected performance against a specific benchmark identified for each individual stock, subject to limited management discretion. An analyst's target price is an assessment of the current intrinsic fair value of the stock based on an appropriate valuation methodology determined by the analyst. Valuation methodologies include, but are not limited to, discounted cash flow analysis, expected return on equity and multiple analysis. Analysts may also indicate expected absolute upside/downside relative to the stated target price, defined as (target price - current price)/current price.

STOCKS

A rating of '**Buy**', indicates that the analyst expects the stock to outperform the Benchmark over the next 12 months. A rating of '**Neutral**', indicates that the analyst expects the stock to perform in line with the Benchmark over the next 12 months. A rating of '**Reduce**', indicates that the analyst expects the stock to underperform the Benchmark over the next 12 months. A rating of '**Suspended**', indicates that the rating, target price and estimates have been suspended temporarily to comply with applicable regulations and/or firm policies. Securities and/or companies that are labelled as '**Not rated**' or shown as '**No rating**' are not in regular research coverage. Investors should not expect continuing or

additional information from Nomura relating to such securities and/or companies. Benchmarks are as follows: **United States/Europe/Asia ex-Japan**: please see valuation methodologies for explanations of relevant benchmarks for stocks, which can be accessed at: <http://go.nomuranow.com/research/globalresearchportal/pages/disclosures/disclosures.aspx>; **Global Emerging Markets (ex-Asia)**: MSCI Emerging Markets ex-Asia, unless otherwise stated in the valuation methodology; **Japan**: Russell/Nomura Large Cap.

SECTORS

A **'Bullish'** stance, indicates that the analyst expects the sector to outperform the Benchmark during the next 12 months. A **'Neutral'** stance, indicates that the analyst expects the sector to perform in line with the Benchmark during the next 12 months. A **'Bearish'** stance, indicates that the analyst expects the sector to underperform the Benchmark during the next 12 months. Sectors that are labelled as **'Not rated'** or shown as **'N/A'** are not assigned ratings. Benchmarks are as follows: **United States**: S&P 500; **Europe**: Dow Jones STOXX 600; **Global Emerging Markets (ex-Asia)**: MSCI Emerging Markets ex-Asia. **Japan/Asia ex-Japan**: Sector ratings are not assigned.

Target Price

A Target Price, if discussed, indicates the analyst's forecast for the share price with a 12-month time horizon, reflecting in part the analyst's estimates for the company's earnings. The achievement of any target price may be impeded by general market and macroeconomic trends, and by other risks related to the company or the market, and may not occur if the company's earnings differ from estimates.

Disclaimers

This publication contains material that has been prepared by the Nomura Group entity identified on page 1 and, if applicable, with the contributions of one or more Nomura Group entities whose employees and their respective affiliations are specified on page 1 or identified elsewhere in this publication. The term "Nomura Group" used herein refers to Nomura Holdings, Inc. and its affiliates and subsidiaries including: (a) Nomura Securities Co., Ltd. ('NSC') Tokyo, Japan, (b) Nomura Financial Products Europe GmbH ('NFPE'), Germany, (c) Nomura International plc ('NIplc'), UK, (d) Nomura Securities International, Inc. ('NSI'), New York, US, (e) Nomura International (Hong Kong) Ltd. ('NIHK'), Hong Kong, (f) Nomura Financial Investment (Korea) Co., Ltd. ('NFIK'), Korea (Information on Nomura analysts registered with the Korea Financial Investment Association ('KOFIA') can be found on the KOFIA Intranet at <http://dis.kofia.or.kr>), (g) Nomura Singapore Ltd. ('NSL'), Singapore (Registration number 197201440E, regulated by the Monetary Authority of Singapore) (h) Nomura Australia Ltd. ('NAL'), Australia (ABN 48 003 032 513), regulated by the Australian Securities and Investment Commission ('ASIC') and holder of an Australian financial services licence number 246412, (i) Nomura Securities Malaysia Sdn. Bhd. ('NSM'), Malaysia, (j) NIHK, Taipei Branch ('NITB'), Taiwan, (k) Nomura Financial Advisory and Securities (India) Private Limited ('NFASL'), Mumbai, India (Registered Address: Ceejay House, Level 11, Plot F, Shivsagar Estate, Dr. Annie Besant Road, Worli, Mumbai- 400 018, India; Tel: 91 22 4037 4037, Fax: 91 22 4037 4111; CIN No: U74140MH2007PTC169116, SEBI Registration No. for Stock Broking activities : INZ000255633; SEBI Registration No. for Merchant Banking : INM000011419; SEBI Registration No. for Research: INH000001014. 'CNS Thailand' next to an analyst's name on the front page of a research report indicates that the analyst is employed by Capital Nomura Securities Public Company Limited ('CNS') to provide research assistance services to NSL under an agreement between CNS and NSL. 'NSFSPL' next to an employee's name on the front page of a research report indicates that the individual is employed by Nomura Structured Finance Services Private Limited to provide assistance to certain Nomura entities under inter-company agreements. 'Verdhana' next to an individual's name on the front page of a research report indicates that the individual is employed by PT Verdhana Sekuritas Indonesia ('Verdhana') to provide research assistance to NIHK under a research partnership agreement and neither Verdhana nor such individual is licensed outside of Indonesia. For the avoidance of doubt and for the purpose of disclosure, Nomura Orient International Securities Co., Ltd ("NOI"), a joint venture amongst Nomura Group, Orient International (Holding) Co., Ltd and Shanghai Huangpu Investment Holding (Group) Co., Ltd is excluded from the definition of Nomura Group. An individual name printed next to NOI on the front page of a research report indicates that individual is employed by NOI to provide research assistance to NIHK under a research partnership agreement and neither NOI or such individual is licensed outside of Mainland China, PRC.

THIS MATERIAL IS: (I) FOR YOUR PRIVATE INFORMATION, AND WE ARE NOT SOLICITING ANY ACTION BASED UPON IT; (II) NOT TO BE CONSTRUED AS AN OFFER TO SELL OR A SOLICITATION OF AN OFFER TO BUY ANY SECURITIES IN ANY JURISDICTION WHERE SUCH OFFER OR SOLICITATION WOULD BE ILLEGAL; AND (III) OTHER THAN DISCLOSURES RELATING TO THE NOMURA GROUP, BASED UPON INFORMATION FROM SOURCES THAT WE CONSIDER RELIABLE, BUT HAS NOT BEEN INDEPENDENTLY VERIFIED BY NOMURA GROUP.

Other than disclosures relating to the Nomura Group, the Nomura Group does not warrant, represent or undertake, express or implied, that the document is fair, accurate, complete, correct, reliable or fit for any particular purpose or merchantable, and to the maximum extent permissible by law and/or regulation, does not accept liability (in negligence or otherwise, and in whole or in part) for any act (or decision not to act) resulting from use of this document and related data. To the maximum extent permissible by law and/or regulation, all warranties and other assurances by the Nomura Group are hereby excluded and the Nomura Group shall have no liability (in negligence or otherwise, and in whole or in part) for any loss howsoever arising from the use, misuse, or distribution of this material or the information contained in this material or otherwise arising in connection therewith.

Opinions or estimates expressed are current opinions as of the original publication date appearing on this material and the information, including the opinions and estimates contained herein, are subject to change without notice. The Nomura Group, however, expressly disclaims any obligation, and therefore is under no duty, to update or revise this document. Any comments or statements made herein are those of the author(s) and may differ from views held by other parties within Nomura Group. Clients should consider whether any advice or recommendation in this report is suitable for their particular circumstances and, if appropriate, seek professional advice, including tax advice. The Nomura Group does not provide tax advice.

The Nomura Group, and/or its officers, directors, employees and affiliates, may, to the extent permitted by applicable law and/or regulation, deal as principal, agent, or otherwise, or have long or short positions in, or buy or sell, the securities, commodities or instruments, or options or other derivative instruments based thereon, of issuers or securities mentioned herein. The Nomura Group companies may also act as market maker or liquidity provider (within the meaning of applicable regulations in the UK) in the financial instruments of the issuer. Where the activity of

market maker is carried out in accordance with the definition given to it by specific laws and regulations of the US or other jurisdictions, this will be separately disclosed within the specific issuer disclosures.

This document may contain information obtained from third parties, including, but not limited to, ratings from credit ratings agencies such as Standard & Poor's. The Nomura Group hereby expressly disclaims all representations, warranties or undertakings of originality, fairness, accuracy, completeness, correctness, merchantability or fitness for a particular purpose with respect to any of the information obtained from third parties contained in this material or otherwise arising in connection therewith, and shall not be liable (in negligence or otherwise, and in whole or in part) for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (including lost income or profits and opportunity costs) in connection with any use or misuse of any of the information obtained from third parties contained in this material or otherwise arising in connection therewith. Reproduction and distribution of third-party content in any form is prohibited except with the prior written permission of the related third-party. Third-party content providers do not, express or implied, guarantee the fairness, accuracy, completeness, correctness, timeliness or availability of any information, including ratings, and are not in any way responsible for any errors or omissions (negligent or otherwise), regardless of the cause, or for the results obtained from the use or misuse of such content. Third-party content providers give no express or implied warranties, including, but not limited to, any warranties of merchantability or fitness for a particular purpose or use. Third-party content providers shall not be liable (in negligence or otherwise, and in whole or in part) for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (including lost income or profits and opportunity costs) in connection with any use or misuse of their content, including ratings. Credit ratings are statements of opinions and are not statements of fact or recommendations to purchase hold or sell securities. They do not address the suitability of securities or the suitability of securities for investment purposes, and should not be relied on as investment advice.

Any MSCI sourced information in this document is the exclusive property of MSCI Inc. ('MSCI'). Without prior written permission of MSCI, this information and any other MSCI intellectual property may not be duplicated, reproduced, re-disseminated, redistributed or used, in whole or in part, for any purpose whatsoever, including creating any financial products and any indices. This information is provided on an "as is" basis. The user assumes the entire risk of any use made of this information. MSCI, its affiliates and any third party involved in, or related to, computing or compiling the information hereby expressly disclaim all representations, warranties or undertakings of originality, fairness, accuracy, completeness, correctness, merchantability or fitness for a particular purpose with respect to any of this material or the information contained in this material or otherwise arising in connection therewith. Without limiting any of the foregoing, in no event shall MSCI, any of its affiliates or any third party involved in, or related to, computing or compiling the information have any liability (in negligence or otherwise, and in whole or in part) for any damages of any kind. MSCI and the MSCI indexes are services marks of MSCI and its affiliates.

The intellectual property rights and any other rights, in Russell/Nomura Japan Equity Index belong to Nomura Securities Co., Ltd. ("Nomura") and Frank Russell Company ("Russell"). Nomura and Russell do not guarantee fairness, accuracy, completeness, correctness, reliability, usefulness, marketability, merchantability or fitness of the Index, and do not account for business activities or services that any index user and/or its affiliates undertakes with the use of the Index.

Investors should consider this document as only a single factor in making their investment decision and, as such, the report should not be viewed as identifying or suggesting all risks, direct or indirect, that may be associated with any investment decision. Nomura Group produces a number of different types of research product including, among others, fundamental analysis and quantitative analysis; recommendations contained in one type of research product may differ from recommendations contained in other types of research product, whether as a result of differing time horizons, methodologies or otherwise. The Nomura Group publishes research product in a number of different ways including the posting of product on the Nomura Group portals and/or distribution directly to clients. Different groups of clients may receive different products and services from the research department depending on their individual requirements.

Figures presented herein may refer to past performance or simulations based on past performance which are not reliable indicators of future or likely performance. Where the information contains an expectation, projection or indication of future performance and business prospects, such forecasts may not be a reliable indicator of future or likely performance. Moreover, simulations are based on models and simplifying assumptions which may oversimplify and not reflect the future distribution of returns. Any figure, strategy or index created and published for illustrative purposes within this document is not intended for "use" as a "benchmark" as defined by the European Benchmark Regulation.

Certain securities are subject to fluctuations in exchange rates that could have an adverse effect on the value or price of, or income derived from, the investment.

With respect to Fixed Income Research: Recommendations fall into two categories: tactical, which typically last up to three months; or strategic, which typically last from 6-12 months. However, trade recommendations may be reviewed at any time as circumstances change. 'Stop loss' levels for trades are also provided; which, if hit, closes the trade recommendation automatically. Prices and yields shown in recommendations are taken at the time of submission for publication and are based on either indicative Bloomberg, Reuters or Nomura prices and yields at that time. The prices and yields shown are not necessarily those at which the trade recommendation can be implemented.

The securities described herein may not have been registered under the US Securities Act of 1933 (the '1933 Act'), and, in such case, may not be offered or sold in the US or to US persons unless they have been registered under the 1933 Act, or except in compliance with an exemption from the registration requirements of the 1933 Act. Unless governing law permits otherwise, any transaction should be executed via a Nomura entity in your home jurisdiction.

This document has been approved for distribution in the UK as investment research by Nlplc. Nlplc is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority. Nlplc is a member of the London Stock Exchange. This document does not constitute a personal recommendation within the meaning of applicable regulations in the UK, or take into account the particular investment objectives, financial situations, or needs of individual investors. This document is intended only for investors who are 'eligible counterparties' or 'professional clients' for the purposes of applicable regulations in the UK, and may not, therefore, be redistributed to persons who are 'retail clients' for such purposes.

This document has been approved for distribution in the European Economic Area as investment research by Nomura Financial Products Europe GmbH ("NFPE"). NFPE is a company organized as a limited liability company under German law registered in the Commercial Register of the Court of Frankfurt/Main under HRB 110223. NFPE is authorized and regulated by the German Federal Financial Supervisory Authority (BaFin).

This document has been approved by NIHK, which is regulated by the Hong Kong Securities and Futures Commission, for distribution in Hong Kong by NIHK. This document is intended only for investors who are 'professional investors' for the purposes of applicable regulations in Hong Kong and may not, therefore, be redistributed to persons who are not 'professional investors' for such purposes.

This document has been approved for distribution in Australia by NAL, which is authorized and regulated in Australia by the ASIC.

This document has also been approved for distribution in Malaysia by NSM.

In Singapore, this document has been distributed by NSL, an exempt financial adviser as defined under the Financial Advisers Act (Chapter 110), among other things, and regulated by the Monetary Authority of Singapore. NSL may distribute this document produced by its foreign affiliates pursuant to an arrangement under Regulation 32C of the Financial Advisers Regulations. Where the recipient of this document is not an accredited, expert or institutional investor as defined by the Securities and Futures Act (Chapter 289), NSL accepts legal responsibility for the contents of this document in respect of such recipient only to the extent required by law. Recipients of this document in Singapore should contact NSL in respect of matters arising from, or in connection with, this document. THIS DOCUMENT IS INTENDED FOR GENERAL CIRCULATION. IT DOES NOT TAKE INTO ACCOUNT THE SPECIFIC INVESTMENT OBJECTIVES, FINANCIAL SITUATION OR PARTICULAR NEEDS OF ANY PARTICULAR PERSON. RECIPIENTS SHOULD TAKE INTO ACCOUNT THEIR SPECIFIC INVESTMENT OBJECTIVES, FINANCIAL SITUATION OR PARTICULAR NEEDS BEFORE MAKING A COMMITMENT TO PURCHASE ANY SECURITIES, INCLUDING SEEKING ADVICE FROM AN INDEPENDENT FINANCIAL ADVISER REGARDING THE SUITABILITY OF THE INVESTMENT, UNDER A SEPARATE ENGAGEMENT, AS THE RECIPIENT DEEMS FIT.

Unless prohibited by the provisions of Regulation S of the 1933 Act, this material is distributed in the US, by NSI, a US-registered broker-dealer, which accepts responsibility for its contents in accordance with the provisions of Rule 15a-6, under the US Securities Exchange Act of 1934. The entity that prepared this document permits its separately operated affiliates within the Nomura Group to make copies of such documents available to their clients.

This document has not been approved for distribution to persons other than 'Authorised Persons', 'Exempt Persons' or 'Institutions' (as defined by the Capital Markets Authority) in the Kingdom of Saudi Arabia ('Saudi Arabia') or a 'Market Counterparty' or a 'Professional Client' (as defined by the Dubai Financial Services Authority) in the United Arab Emirates ('UAE') or a 'Market Counterparty' or a 'Business Customer' (as defined by the Qatar Financial Centre Regulatory Authority) in the State of Qatar ('Qatar') by Nomura Saudi Arabia, Nlplc or any other member of the Nomura Group, as the case may be. Neither this document nor any copy thereof may be taken or transmitted or distributed, directly or indirectly, by any person other than those authorised to do so into Saudi Arabia or in the UAE or in Qatar or to any person other than 'Authorised Persons', 'Exempt Persons' or 'Institutions' located in Saudi Arabia or a 'Market Counterparty' or a 'Professional Client' in the UAE or a 'Market Counterparty' or a 'Business Customer' in Qatar. Any failure to comply with these restrictions may constitute a violation of the laws of the UAE or Saudi Arabia or Qatar.

For report with reference of TAIWAN public companies or authored by Taiwan based research analyst:

THIS DOCUMENT IS SOLELY FOR REFERENCE ONLY. You should independently evaluate the investment risks and are solely responsible for your investment decisions. NO PORTION OF THE REPORT MAY BE REPRODUCED OR QUOTED BY THE PRESS OR ANY OTHER PERSON WITHOUT WRITTEN AUTHORIZATION FROM NOMURA GROUP. Pursuant to Operational Regulations Governing Securities Firms Recommending Trades in Securities to Customers and/or other applicable laws or regulations in Taiwan, you are prohibited to provide the reports to others (including but not limited to related parties, affiliated companies and any other third parties) or engage in any activities in connection with the reports which may involve conflicts of interests. INFORMATION ON SECURITIES / INSTRUMENTS NOT EXECUTABLE BY NOMURA INTERNATIONAL (HONG KONG) LTD., TAIPEI BRANCH IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT BE CONSTRUED AS A RECOMMENDATION OR A SOLICITATION TO TRADE IN SUCH SECURITIES / INSTRUMENTS.

This material may not be distributed in Indonesia or passed on within the territory of the Republic of Indonesia or to persons who are Indonesian citizens (wherever they are domiciled or located) or entities of or residents in Indonesia in a manner which constitutes a public offering under the laws of the Republic of Indonesia. The securities mentioned in this document may not be offered or sold in Indonesia or to persons who are citizens of Indonesia (wherever they are domiciled or located) or entities of or residents in Indonesia in a manner which constitutes a public offering under the laws of the Republic of Indonesia.

This document is prepared by Nomura Group or its subsidiary or affiliate (collectively, "Offshore Issuers") that is not licensed in the People's Republic of China ("PRC", excluding Hong Kong, Macau and Taiwan, for the purpose of this document) to provide securities research and this research report is not approved or intended to be circulated in the PRC. The A-share related analysis (if any) is not produced for any persons located or incorporated in the PRC. The recipients should not rely on any information contained in the research report in making investment decisions and Offshore Issuers take no responsibility in this regard.

NO PART OF THIS MATERIAL MAY BE (I) COPIED, PHOTOCOPIED, REPRODUCED OR DUPLICATED IN ANY FORM, BY ANY MEANS; OR (II) REDISSEMINATED, REPUBLISHED OR REDISTRIBUTED WITHOUT THE PRIOR WRITTEN CONSENT OF A MEMBER OF THE NOMURA GROUP. If this document has been distributed by electronic transmission, such as e-mail, then such transmission cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete, or contain viruses. The sender therefore does not accept liability (in negligence or otherwise, and in whole or in part) for any errors or omissions in the contents of this document, which may arise as a result of electronic transmission. If verification is required, please request a hard-copy version.

Disclaimers required in Japan

Credit ratings in the text that are marked with an asterisk (*) are issued by a rating agency not registered under Japan's Financial Instruments and Exchange Act ("Unregistered Ratings"). For details on Unregistered Ratings, please contact the Research Production Operation Dept. of Nomura Securities Co., Ltd.

Investors in the financial products offered by Nomura Securities may incur fees and commissions specific to those products (for example, transactions involving Japanese equities are subject to a sales commission (all figures on a tax-inclusive basis) of up to 1.43% of the transaction amount or a commission of ¥2,860 for transactions of ¥200,000 or less, while transactions involving investment trusts are subject to various fees, such as commissions at the time of purchase and asset management fees, such as commissions at the time of purchase and asset management fees (trust fees), specific to each investment trust).

In addition, all products carry the risk of losses owing to price fluctuations or other factors. Fees and risks vary by product. Please thoroughly read the written materials provided, such as documents delivered before making a contract, listed securities documents, or prospectuses.

Transactions involving Japanese equities (including Japanese REITs, Japanese ETFs, and Japanese ETNs, Japanese Infrastructure Funds) are subject to a sales commission of up to 1.43% (tax included) of the transaction amount (or a commission of ¥2,860 (tax included) for transactions of ¥200,000 or less). When Japanese equities are purchased via OTC transactions (including offerings), only the purchase price shall be paid, with no sales commission charged. However, Nomura Securities may charge a separate fee for OTC transactions, as agreed with the customer. Japanese equities carry the risk of losses owing to price fluctuations. Japanese REITs carry the risk of losses owing to fluctuations in price and/or earnings of underlying real estate. Japanese ETFs and ETNs carry the risk of losses owing to fluctuations in the underlying indexes or other benchmarks. Japanese Infrastructure Funds carry out the risk of losses owing to fluctuations in price and/or earnings of underlying infrastructures.

Transactions involving foreign equities are subject to a domestic sales commission of up to 1.045% (tax included) of the transaction amount (which equals the local transaction amount plus local fees and taxes in the case of a purchase or the local transaction amount minus local fees and taxes in the case of a sale) (for transaction amounts of ¥750,000 and below, maximum domestic sales commission is ¥7,810 (tax included)). Local fees and taxes in foreign financial instruments markets vary by country/territory. When foreign equities are purchased via OTC transactions (including offerings), only the purchase price shall be paid, with no sales commission charged. However, Nomura Securities may charge a separate fee for OTC transactions, as agreed with the customer. Foreign equities carry the risk of losses owing to factors such as price fluctuations and foreign exchange rate fluctuations.

Margin transactions are subject to a sales commission of up to 1.43% (tax included) of the transaction amount (or a commission of ¥2,860 (tax included) for transactions of ¥200,000 or less), as well as management fees and rights handling fees. In addition, long margin transactions are subject to interest on the purchase amount, while short margin transactions are subject to fees for the lending of the shares borrowed. A margin equal to at least 30% of the transaction amount (at least 33% for online transactions) and at least ¥300,000 is required. With margin transactions, an amount up to roughly 3.3x the margin (roughly 3x for online transactions) may be traded. Margin transactions therefore carry the risk of losses in excess of the margin owing to share price fluctuations. For details, please thoroughly read the written materials provided, such as listed securities documents or documents delivered before making a contract.

Transactions involving convertible bonds are subject to a sales commission of up to 1.10% (tax included) of the transaction amount (or a commission of ¥4,400 (tax included) if this would be less than ¥4,400). When convertible bonds are purchased via OTC transactions (including offerings), only the purchase price shall be paid, with no sales commission charged. However, Nomura Securities may charge a separate fee for OTC transactions, as agreed with the customer. Convertible bonds carry the risk of losses owing to factors such as interest rate fluctuations and price fluctuations in the underlying stock. In addition, convertible bonds denominated in foreign currencies also carry the risk of losses owing to factors such as foreign exchange rate fluctuations.

When bonds are purchased via public offerings, secondary distributions, or other OTC transactions with Nomura Securities, only the purchase price shall be paid, with no sales commission charged. Bonds carry the risk of losses, as prices fluctuate in line with changes in market interest rates. Bond prices may also fall below the invested principal as a result of such factors as changes in the management and financial circumstances of the issuer, or changes in third-party valuations of the bond in question. In addition, foreign currency-denominated bonds also carry the risk of losses owing to factors such as foreign exchange rate fluctuations.

When Japanese government bonds (JGBs) for individual investors are purchased via public offerings, only the purchase price shall be paid, with no sales commission charged. As a rule, JGBs for individual investors may not be sold in the first 12 months after issuance. When JGBs for individual investors are sold before maturity, an amount calculated via the following formula will be subtracted from the par value of the bond plus accrued interest: (1) for 10-year variable rate bonds, an amount equal to the two preceding coupon payments (before tax) x 0.79685 will be used, (2) for 5-year and 3-year fixed rate bonds, an amount equal to the two preceding coupon payments (before tax) x 0.79685 will be used.

When inflation-indexed JGBs are purchased via public offerings, secondary distributions (uridashi deals), or other OTC transactions with Nomura Securities, only the purchase price shall be paid, with no sales commission charged. Inflation-indexed JGBs carry the risk of losses, as prices fluctuate in line with changes in market interest rates and fluctuations in the nationwide consumer price index. The notional principal of inflation-indexed JGBs changes in line with the rate of change in nationwide CPI inflation from the time of its issuance. The amount of the coupon payment is calculated by multiplying the coupon rate by the notional principal at the time of payment. The maturity value is the amount of the notional principal when the issue becomes due. For J117 and subsequent issues, the maturity value shall not undercut the face amount. Purchases of investment trusts (and sales of some investment trusts) are subject to a purchase or sales fee of up to 5.5% (tax included) of the transaction amount. Also, a direct cost that may be incurred when selling investment trusts is a fee of up to 2.0% of the unit price at the time of redemption. Indirect costs that may be incurred during the course of holding investment trusts include, for domestic investment trusts, an asset management fee (trust fee) of up to 5.5% (tax included/annualized basis) of the net assets in trust, as well as fees based on investment performance. Other indirect costs may also be incurred. For foreign investment trusts, indirect fees may be incurred during the course of holding such as investment company compensation.

Investment trusts invest mainly in securities such as Japanese and foreign equities and bonds, whose prices fluctuate. Investment trust unit prices fluctuate owing to price fluctuations in the underlying assets and to foreign exchange rate fluctuations. As such, investment trusts carry the risk of losses. Fees and risks vary by investment trust. Maximum applicable fees are subject to change; please thoroughly read the written materials provided, such as prospectuses or documents delivered before making a contract.

In interest rate swap transactions and USD/JPY basis swap transactions (“interest rate swap transactions, etc.”), only the agreed transaction payments shall be made on the settlement dates. Some interest rate swap transactions, etc. may require pledging of margin collateral. In some of these cases, transaction payments may exceed the amount of collateral. There shall be no advance notification of required collateral value or collateral ratios as they vary depending on the transaction. Interest rate swap transactions, etc. carry the risk of losses owing to fluctuations in market prices in the interest rate, currency and other markets, as well as reference indices. Losses incurred as such may exceed the value of margin collateral, in which case margin calls may be triggered. In the event that both parties agree to enter a replacement (or termination) transaction, the interest rates received (paid) under the new arrangement may differ from those in the original arrangement, even if terms other than the interest rates are identical to those in the original transaction. Risks vary by transaction. Please thoroughly read the written materials

provided, such as documents delivered before making a contract and disclosure statements.

In OTC transactions of credit default swaps (CDS), no sales commission will be charged. When entering into CDS transactions, the protection buyer will be required to pledge or entrust an agreed amount of margin collateral. In some of these cases, the transaction payments may exceed the amount of margin collateral. There shall be no advance notification of required collateral value or collateral ratios as they vary depending on the financial position of the protection buyer. CDS transactions carry the risk of losses owing to changes in the credit position of some or all of the referenced entities, and/or fluctuations of the interest rate market. The amount the protection buyer receives in the event that the CDS is triggered by a credit event may undercut the total amount of premiums that he/she has paid in the course of the transaction. Similarly, the amount the protection seller pays in the event of a credit event may exceed the total amount of premiums that he/she has received in the transaction. All other conditions being equal, the amount of premiums that the protection buyer pays and that received by the protection seller shall differ. In principle, CDS transactions will be limited to financial instruments business operators and qualified institutional investors. Transfers of equities to another securities company via the Japan Securities Depository Center are subject to a transfer fee of up to ¥11,000 (tax included) per issue transferred depending on volume. No account fee will be charged for marketable securities or monies deposited.

Nomura Securities Co., Ltd.

Financial instruments firm registered with the Kanto Local Finance Bureau (registration No. 142)

Member associations: Japan Securities Dealers Association; Japan Investment Advisers Association; The Financial Futures Association of Japan; and Type II Financial Instruments Firms Association.

The Nomura Group manages conflicts with respect to the production of research through its compliance policies and procedures (including, but not limited to, Conflicts of Interest, Chinese Wall and Confidentiality policies) as well as through the maintenance of Chinese Walls and employee training.

Additional information regarding the methodologies or models used in the production of any investment recommendations contained within this document is available upon request by contacting the Research Analysts of Nomura listed on the front page. Disclosures information is available upon request and disclosure information is available at the Nomura Disclosure web page:

<http://go.nomuranow.com/research/globalresearchportal/pages/disclosures/disclosures.aspx>

Copyright © 2020 Nomura Securities Co., Ltd. All rights reserved.