Guide to using Bloomberg printout

If you have access to a Bloomberg terminal, you can print off data and information on your company in a standardized format. I use six printouts from Bloomberg, amounting to 10 pages, to get all the information I need for any company:

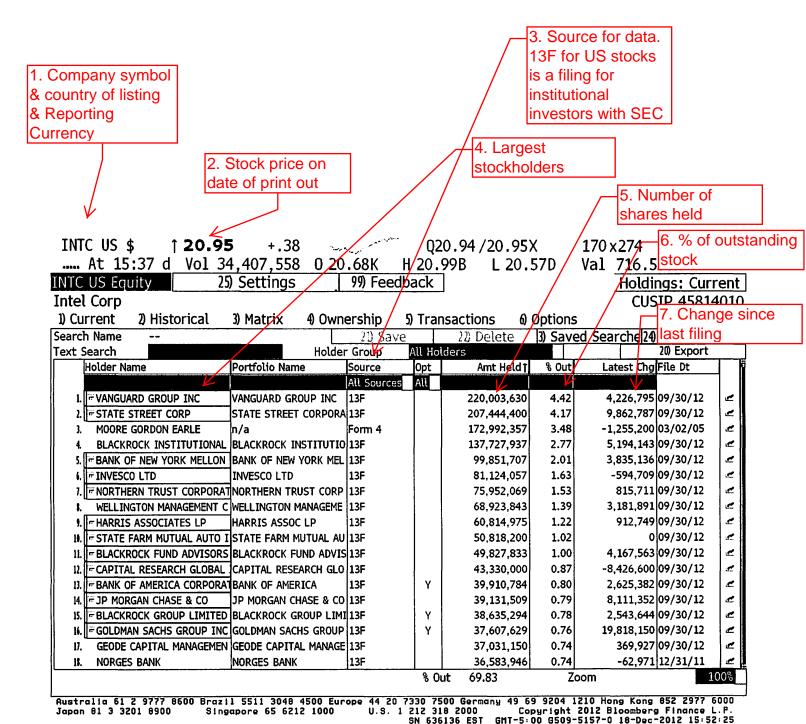
Packet	Bloomberg	Description
Page #	Printout	
1	HDS	Largest stockholders in company
2	BETA	Beta Regression
3-7	DES	Company description
8	FA	Financial Summary
9	CRPR	Bond Rating (if available), Bloomberg
		Default Page (if not), Blank (in some cases)
10	DDIS	Debt Due Distribution

Since there is a lot of information on these 10 pages, I have listed the items that you will generally use in valuation or corporate finance. You can find the item on the specified page.

Description	Bloomberg Page
1. Company symbol & country of listing & Reporting Currency	HDS
2. Stock price on date of print out	HDS
3. Source for holdings data	HDS
4. Largest stockholders (Name)	HDS
5. Number of shares held by stockholder	HDS
6. % of Outstanding stock held by stockholder	HDS
7. Change in holding (#shares) since last filing	HDS
8. Currency for returns	BETA
9. Index used in beta regression	BETA
10. Period of regression	BETA
11. Return interval used over regression period	BETA
12. Regression beta	BETA
13. Adjusted Bloomberg beta	BETA
14. Intercept from regression	BETA
15. R squared & Correlation	BETA
16. Standard Error of Beta	BETA
17. Bloomberg estimates of current & forward PE/EPS	DES Page 1
18. Bloomberg sector category	DES Page 1
19. Bloomberg company description	DES Page 1
20. Dividend Yield	DES Page 1
21. Market Capitalization (Market value of equity of all shares)	DES Page 1

22. Number of shares outstanding & float (traded shares)	DES Page 1
23. Number and % of shares held by institutional investors	DES Page 2
24. % of Shares held by institutions	DES Page 2
25. Bloomberg estimates of market multiples (also see #17)	DES Page 3
26. Interest coverage ratio (Bloomberg estimate)	DES Page 3
27. Dividend Payout ratio (Bloomberg estimate)	DES Page 3
28. Dividend Yield (Bloomberg estimate, also see #20)	DES Page 3
29. ROE & ROC (Bloomberg estimate)	DES Page 3
30. Geographic breakdown	DES Page 4
31. Business breakdown	DES Page 4
32. a. Trailing 12 month; b. Reporting Currency	FA
33. Revenues/Sales	FA
34. Interest Expenses	FA
35. Depreciation & Amortization	FA
36. Book Value of Interest Bearing Debt	FA
37. Operating Income or EBIT	FA
38. Cash & Marketable Securities	FA
39. Weighted Maturity of Debt (if reported in financials)	FA
40. Book Value of Equity	FA
41. Capital Expenditures (Accounting definition)	FA
42. Cash spent on acquisitions (does not include stock paid)	FA
43. Operating lease expense/commitments (if reported)	FA
44. Management options (#, exercise price), if reported	FA
45. Cash dividends paid	FA
46. R&D expenditures (from income statement)	FA
47. Stock Buybacks	FA
48. Change in non-cash WC	FA
49. Increase & Decrease in LT Debt	FA
50. Change in ST Borrowing	FA
51. Bond rating (if available). If not, you may get a Bloomberg	CRPR (second to
distress probability page or just a blank one.	last page)
52. Debt maturity (if available)	DDIS (last page)

If you are interested in the customized FA page, it is simple to create within Bloomberg's conventional FA page. Just click on custom and create the display items that you want.

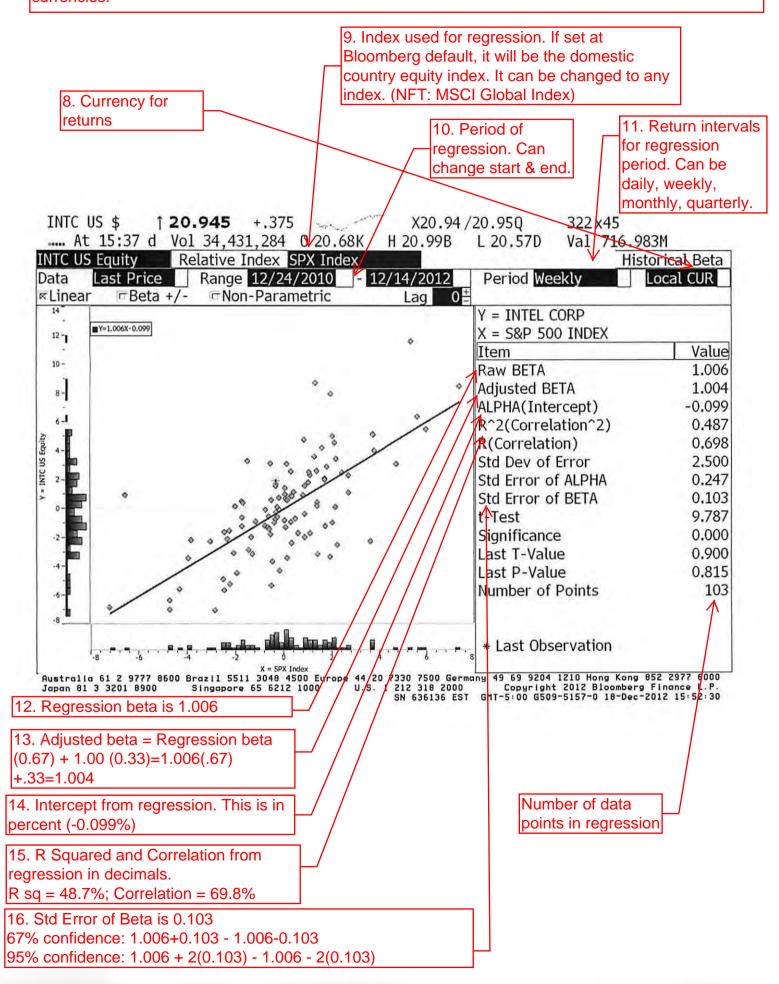


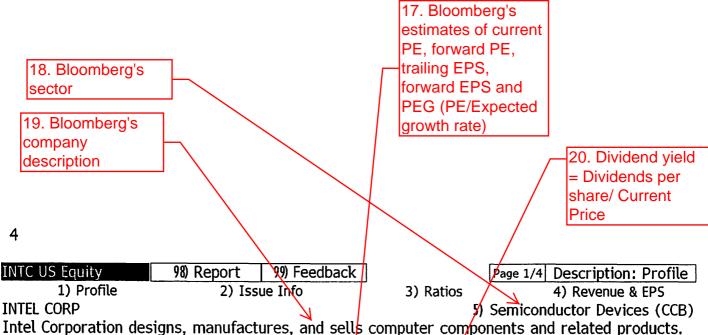
Things to watch out for

If you have multiple listings for the same company (say class A and class B stock), remember that this page contains only the % of shares for the class in question and not of all outstanding shares.

The data for this page comes from public filings (in the US, from the SEC). Therefore, it is only as good as the public information is.

If you are using a Bloomberg terminal, the shaded inputs can be changed from the defaults. You can use a different index, a different time period, a different return interval and switch to different currencies.





Intel Corporation designs, manufactures, and sells computer components and related products. The Company's major products include microprocessors, chipsets, embedded processors and microcontrollers, flash memory products, graphics products, network and communications products, systems management software, conferencing products, and digital imaging products. [BBGID BBG000C0G1D1]

6) Price Chart (GP)	7) Earn (ERN) 8) Est (EE)	11) Corporate Info
28.00	Date Aft-mkt (C) 01/17/13	12) www.intel.com
20.00	P/E	Santa Clara, CA, United States
	Est P/E 12/12 / 9.94	Empls 104,700 (09/29/12)
The Control of the Co		13) Management (MGMT)
20.00	Est EPS / 2.11	14) Andy D Bryant
Dec Her Jun Sep Dec 11 2012	Est PEG / 0.94	Chairman/Exec VP/CAO
Px/Chg 1D (USD) 20.945/+1.82%	./	広) Paul S Otellini
52 Wk H (05/02/12) 29.27	10) Dividend (DVD)	President/CEO
52 Wk L (11/21/12) 19.23	Ind Gross Yield 4.30%	16) Stacy Jared Smith
YTD Change/% -3.305/-13.63%	5Y Net Growth 14.09%	Exec VP/CFO
Mkt Cap (USD) 104,222.3M	Cash 11/05/12 0.225	17) 12M Total Ret (TRA) -6.72%
Shrs Out/Float 4,976.0M/4,799.5M		Beta vs SPX 1.00
SI/% of Float 220.5M/4.59%		19) Depositary Receipts
Days to Cover 3.6		
Australia 61 2 9777 8600 Brazil 5511 3048 45 Japan 81 3 3201 8900 Singapore 65 6212	1000 U.S. 1 212 318 2000	9 69 9204 1210 Hong Kong 852 2977 6000 Copyright 2012 Bloomberg Finance L.P. -5:00 G509-5157-0 18-Dec-2012 15:52:38

21. Market capitalization (Market value of equity)

If there are multiple classes of shares, this is the aggregate market value of all classes

22. Number of shares outstanding & Number of shares that are available for trade (float). If there are shares held by founder/family that don't trade float < outstanding shares

23. Number and % of outstanding shares held by institutions

INTC US \$

BBGID

CUSIP

SEDOL1

ISIN

1 20.95

BBG000C0G1D1

US4581401001

2463247 US NAICS

WPK #

458140100

Common 009702920

+.38

24. % of outstanding shares held by insiders (management, individuals who own >5%, directors

STATE STREET CORP

INVESCO LTD

MOORE GORDON EARLE

BLACKROCK INSTITUTIO

BANK OF NEW YORK MEL

NORTHERN TRUST CORPO

4.17%

3.48%

2.77%

2.01%

1.63%

1.53%

X20.94 /20.95P

N.A.

N.A.

3.936%

1.382%

0.631%

3**2**0 x 29

Val 717.281M At 15:37 d Vol 34,443,847 0 20.68K H 20.99B L 20.57D INTC US Equity 98) Report 99) Feedback Page 2/4 Description: Issue Info 1) Profile 2) Issue Info 4) Revenue & EPS 3) Ratios 5) Public Offerings (CACS) 8) Institutional Holdings (OWN) Initial Public Offering # of Inst. Owners 2,650 10/21/71, Common Stock 3.3B Shares Off/Split Adj 350.00k/33.60M Shares Owned Share Price/Split Adj \$ 23.50/0.24 Shares Out/Float 66.3%/68.8% **Unterberg Towbin & Co** # of Buyers/Sellers 1.017k/958 Lead Manager Shares Bought 4.61M 9) Insider Holdings (OWN) 6) Issue Information (RELS) 7) Eqty Weights(WGT) % Held by Insiders 3.55% Sec Type Common Stock OEX N.A. Pri Exch NASDAQ GS PAR USD 0.001||SPX N.A. Net change last 6M -0.03% 1.206% 10) Top Holders (HDS) Pri MIC INDU XNGS as of 12/17/2012 Incorp UNITED STATES (DE) RIY 0.715% 4.42% VANGUARD GROUP INC SIC Code 3674 (SEMICONDUCTORS) lml0 0.801%

SPXI

CCMP

TRIB COMP

334413

855681

Sicovam 948813

TRIBUS

11) OMON

Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2012 Bloomberg Finance L.P. SN 636136 EST GMT-5:00 G509-5157-0 18-Dec-2012 15:52:39

Opt/LEAPs/Marginabl

25. Bloomberg's estimates of Market multiples

PE: Current PE

PB: Market Cap/ BV of equity

P/S: Market cap/Sales

EV/EBITDA = (MV equity + BV debt - Cash)/EBITDA

Page

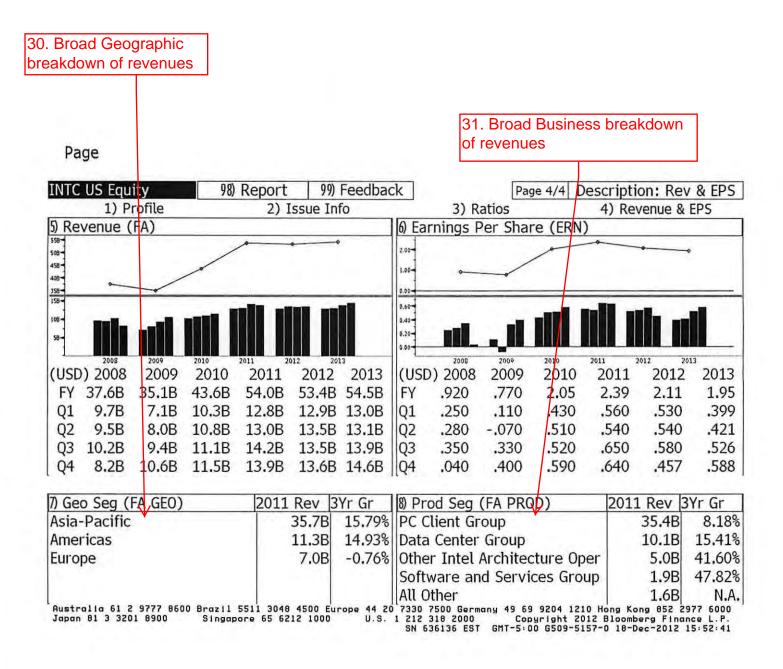
INTC US Equity	98) Repor	t 99) Feedback		Page 3/4 Description	ı: Ratios
1) Profi <mark>l</mark> e	2)	Issue Info	3) Ratios	4) Revenue	& EPS
Fiscal Year End	12/2011			5) Income Statements ((FA IS)
* Last Quarter End	09/12 Q3			6) Balance Sheet (FA B	S)
~ Current/T12M	(USD)			7) Cash Flow (FA CF)	
Issue Data		Per Share Data		Cash Flow Analysis	
~ Last Px ✓	USD/20.95			P/CF	5.8
~ P/E	9.0	~ EPS T12M	2.33	Curr P/FCF	15.5
~ Dvd Ind Yld	4.3%	~ DPS	0.78	CF/NI	1.6
* / P/B	2.12	* Bk Val Per Sh	9.89	Dvd P/O	31.9%
~ P/S	2.0	Rev/Bas Sh	10.27	Cash Gen/Cash Reqd	1.4
~ Curr EV/T12M EBITDA 4.2 CPS			3.99	Csh Dvd Cov	3.1
~ Mkt Cap	104,247.2M	* Curr Shares Out	5.0B	CFO/Sales	38.8%
~ Curr EV	97,014.2M	FCF/Basic Sh	1.94	Eff IR	4.0%
Growth Potential		Profitability		Structure	
Dil EPS Frm Cont Op 1	LY 25.9%	EBITDA	2/3. 5B	Curr Ratio	2.2
Capital - 1 Year Grow	th 3.3%	EBIT	/17 . 5B	Quick Ratio	1.5
BVS - 1 Yr Growth	2.4%	OPM	/ 32.4%	Debt/Assets	10.3%
R & D to Sales	15.5%	Pretax Mrgn	/ 32.9%	Debt/Com Eq	16.0%
Retention Ratio	68.1%	ROA	16.4%	A/R Trnovr	13.9
Rev - 1 Yr Gr	23.8%	ROE K	/ 24.9%	Inv Turnover	4.2
Empl 1Y Gr	21.3%	ROC /	21.8%	GM	62.5%
Assets - 1 Year Grow		Asset Turnover		EBIT/Tot Int Exp 👡	91.5
Australia 61 2 9777 8600 Japan 81 3 3201 8900	Brazil 5511 30 Singapore 65			69 9204 1210 Hong Kong 852 Copyright 2012 Bloomberg Fin	
				5:00 G509-5157-0 18-Dec-2012	

27. Dividend Payout ratio = Dividends/ Net Income

28. Dividend Yield = Dividends per share/ Current Price

26. Interest coverage ratio (Bloomberg estimates)

29. ROE and ROC (Bloomberg estimates)



This page does not contain critical information and may not be available for some of your companies, in which case I repeat page 1 of your description

INTC US Equity	98) Report			Page 5/5 Description
1) Profile	2) Issue Info	3) Ratios	4) Revenue & EPS	5) Industry Info

Critical Themes: Microprocessors, Global

Primary Industry Dashboard (BIP)

7) Global Semiconductor Primer - 2015 Outlook 8) CES 2015: Internet of Things Showcased

9) Broadcom Analyst Day 2014 10 Mobile and Tablet Market Share

11) Industry Rev (CCB)	FY Rev	Tot Rev
INTEL CORP	48.61B	92.22%
QUALCOMM INC	26.23B	100.00%
SAMSUNG ELECTRON	12.54B	5.35%
BROADCOM CORP-A	8.31B	100.00%
ADV MICRO DEVICE	5.30B	100.00%

12) Company Revenue Breakdo	wn (CCB)
Semiconductor Devices	95.85%
Application Software	4.15%

Industry Indicators		Latest
Global PC Unit Shipments	1	315.12k
Global Server Unit Shipments	1	8.96k
Global Smartphone Unit Shipments		1.01B

13) Op Stats (RV)	Co	Rang	e of Compara	bles
Sales Growth Yoy (%)	-1.19	-4.83	04	80.29
EBITDA Margin (%)	38.56	6.40		45.59
ROIC (%)	15.17	5.65		20.59

Co	Range of Com	parables
16.16	9.22	— 38.12
2.87	0.61	- 4.69
	16.16	Co Range of Com 16.16 9.22 — — — — — — — — — — — — — — — — — —

Australia 61 2 9777 8600 Brazil 5511 2395 9000 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2015 Bloomberg Finance L.P. SN 636136 EST GMT-5:00 G576-2676-0 09-Jan-2015 16:50:45

r: INTC US Equity		Periodicity: Annuals	//	Currency: USE		Note: Years s	shown on the report are	Fiscal Years	Cor	mpany: Intel Corp
: Most Recent				32b. Trailing	12 month		32a. Reportin	g Currency		
rporate Finar	ice Essentials			Original 2011 A	Driginal:2010 A	Original 2009 A			n	Ostal allogot A
ne period ending	2013-12-31	2012-12-31	2012-9-29	2011-12-31	2010-12-25	2009-12-26	Restated 2008 A 2008-12-27	Original 2007 A 2007-12-29	Restated:2006 A 2006-12-30	Original:2005 A 2005-12-3
nue /	54,456.17	53,426.47	53,751.00	53,999.00	43,623,00	35,127.00	37,586.00	38,334.00	35,382.00	38,826.0
DA	21,388.76	21,808.65	23,188.00	23,541.00	20,226.00	10,994.00	14.280.00	13,546.00	11,161.00	16,811.00
ciation &		38. Cash & I	Marketabl	e Securities		5,052.00	4,616.00	4,798.00	4.912.00	4,595.0
ling Income	13,499.06	14,687.24	16,082.00	17,477.00	15,588.00	5,942.00	9,664.00	8,748.00	6,249.00	12,216.0
interest expense	10,300,00	14,007.24	272.00	191,00	134.00	87.00	94.00	72.00	84.00	21.00
icome	9,876.78	10,884.67	11,897.00	12,942.00	11,464.00	4,369.00	5,292.00	6,976.00	5,044.00	8,664.00
& Equivalents	550.00	11507404	14,389.00	15,399.00	22,893,00	14,693.00	12,195.00	16,350.00	10,400.00	13,309.00
debt			7 156 00	7,331.00	2,115.00	2,221.00	1,287.00	2,122,00	2,028,00	2,419.00
Debt Weighted	—— 39. W	td Debt maturit	tv: If availa	able l						
ge Malurity			49,269,00	to Correct	49,430,00	41,704,00	20 545 00	40 700 00	26 352 00	20 400 0
Equity	-40. Book va	alue of equity	-525.00	45,911.00 240.00	-769.00	112.00	39,546.00 -1,509.00	42,762.00 870.00	36,752,00 60,00	36,182.0
non-cash we	-10,064.92	-11.293.67	-11,367.00	-10,764.00	-5,207,00	-4,515.00	-5,197.00	-5,000,00	-5,860.00	-18.00 -5.818.00
l Expenditures se: LT Debt	-10,004.32	-11,233.07	106.00	5,086.00	0.00	1,980.00	0.00	125.00	0.00	1.742.0
ase LT Debt	41. Conve	otional Can av		3,060.00	0.00	1,980,00	0.00	123.00	0.00	1.742.00
c) ST Debt	41. Conve	ntional Cap ex	-10.00	209.00	0.00	-87.00	-40.00	-39.00	-114.00	125.00
cap.			104,222.32	123,481.00	116,245.52	112,262.26	78,869.16	156,465.72	116,761.50	150,483.83
ly Interest			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
rate	12 Cac	h spent on	24.20	27.21	28.55	23.40	31.15	23.89	28.64	31.29
ash Paid for			812.00	8,721.00	218.00	853.00	16.00	76.00	0.00	191.00
sitions	acquisit	ions. If	44.004.00	10.011.00	20.504.00	40 500 00	40.000.00	45.244.00	0.700.00	44.000.00
ng Capital	<u> </u>		11,061.00	13,844.00	22,284.00	13,566.00	12,053.00	15,314.00 154.00	9,766,00	11,960.00
ase - Current ase - Yr 1	Stock us	sed, it won't		178.00 183.00	124.00 102.00	120.00 102.00	141.00 106.00	95.00	160.00 114.00	150.00 114.00
ase - Yr 2	ahaw ur	horo		142.00	86.00	83.00	75.00	73.00	80.00	79.00
ase - Yr 3	show up	nere.		112.00	56.00	66.00	55.00	44.00	58.00	62.00
4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.0000000000000000000000000000000000000	laaaa		81.00	32.00	40.00	44.00	30.00	33.00	47.00
ase - Yr	3. Operating	lease		53.00	20,00	20.00	24.00	26.00	24,00	30.00
	mmitments.	For non LIC		136.00	31.00	38.00	46.00	52.00	75.00	102.00
nds Paid	miniminents.	FUI 11011-03	-4,301,00	-4,127.00	-3,503.00	-3,108.00	-3.100.00	-2,618.00	-2,320.00	-1,958.00
apital sockfir	ms, blank (z	ero) can	-8,243.00	-14,340.00	-1.736.00	-1,762.00	-7.195.00	-2,788.00	-4,593.00	-10,637.00
IL GHATCO		,	4,976.00	5,092.00	5,578.00	5,522.00	5,562.00	5.847.00	5,766.00	6,029.00
anding in	dicate either	no lease		20.00	4252	0.2.54	Lines	2222	100	92.0
persnare			20.57	20,84	20.33	14.18	26.76	20.25	24.96	23.54
ns Outstanding CC	mmitments	or failure to	224.90	298.30	386,40	451.30	612.00	665.90	839.50	899,90
xercise Price			20.16	20.12	20,45	25,08	27.70	27.76	26.98	26.71
ons Outstanding) Dexpenditures			9,827.00	8,350.00	6,576.00	5,653,00	5.722.00	5.755.00	5,873.00	5,145.00
olidated Debt			3,521700	0,000.00	Maria San	A-13-37	200	77	-00 11.5	
nted Average ity					44. Man	agement O	ptions, if issu	ed & info pro	vided	
	45. Dividend	ls paid		388.00	194.00	209.00	198.00	173.00	195.00	218.00
	Capital Stock			, —	46 P&	Devnenditu	ures: Treated	hy aceta as	onerating ev	nansa

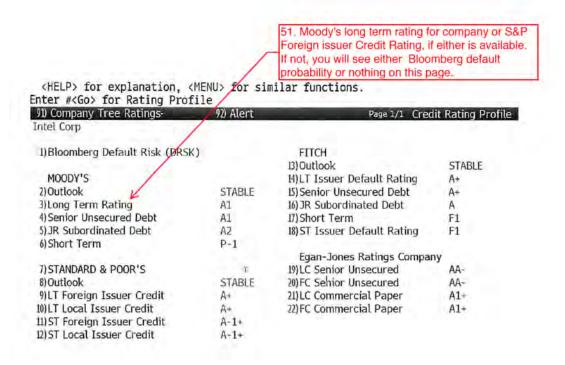
34 Interest expenses

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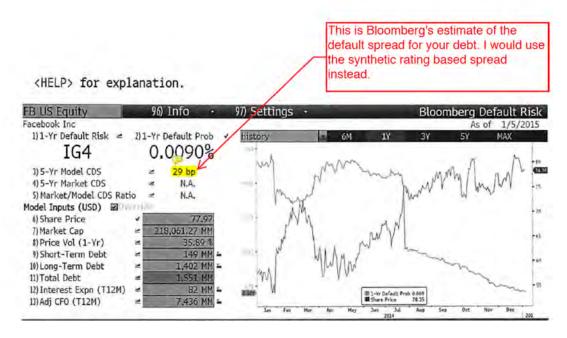
50. Change in ST Debt

CRPR (Three possible variations)

If your company has a corporate bond rating, this is what you will see



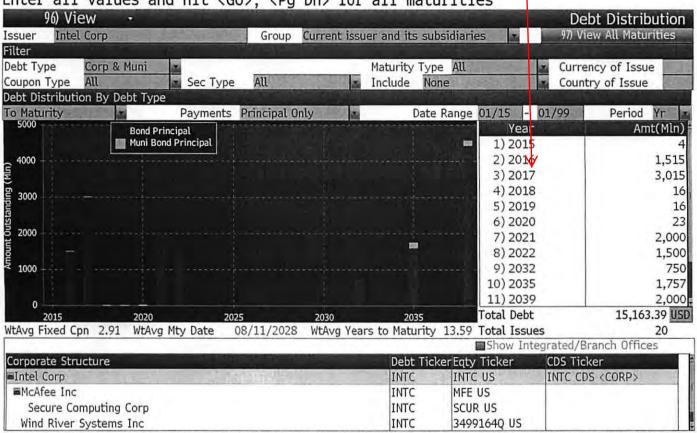
If your company is unrated, Bloomberg may sometimes show you this



If your company has no rating & Bloomberg has no information, you will see a blank page.

52. Breakdown of debt, by year but only if your company has information available/published. Take a weighted average. For some companies, the number of issues may exceed what is on the page, but use a 20 year maturity for debt not reported. For companies where the information is not available or there is no debt, you will see a blank page. Just use a weighted-average maturity of 5 years for the company and move on.

<HELP> for explanation, <MENU> for similar functions.
Enter all values and hit <Go>, <Pg Dn> for all maturities



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