

Technology Monthly

High Grade & High Yield

We recommend investors remain underweight lower-rated HY Technology names. We believe that liquidity concerns and the impact from the weakening economy are likely to continue in the near to mid term. Most of the Technology companies gave a cautious outlook for early 2009, with many pointing to low visibility.

- **We remain underweight on HY Technology and neutral on HG Technology.** We recommend investors underweight the Semiconductor and OSAT sub-sectors in HY and would prefer to stay in the better rated names in the software and services sub-sector. HG issuance has picked up again and is likely to include new issuance from the better rated HG Technology names as well. Recently, Cisco came to the market with a \$4 billion issue, and we expect other higher rated HG names to tap the market as well due to the availability of cheap capital.
- **We initiated coverage of Oracle with an Overweight.** We believe that Oracle is a high-quality name with a robust business model, strong product and market position, low-leverage, ample liquidity, and an experienced managed team. See our report [here](#).
- **Prolonged weak environment to remain through 2009.** We are expecting the current downturn to last throughout 2009 and would anticipate 1H09 to be depressed operationally.
- **Seagate Technology is our best short idea.** The company guided the March quarter below consensus and more than 40% below last year's revenues. We believe the rapidly weakening demand in PCs is likely to pressure the company's cash generation ability. JPM is forecasting PC units to decline by 13.5% in 2009. We are expecting the pricing and margin pressures to continue for the next few quarters.
- **Fiserv and Broadridge are our Overweight ideas.** For Fiserv, we believe that the company's strong market position, high recurring revenues, expanding margins, and solid free cash flow generating capability will help it weather the uncertainty in the financial services industry. See recent Fiserv earnings report [here](#). See recent Broadridge earnings report [here](#).
- **Freescale reported a weak quarter.** Freescale is currently PIKing its 9.125% toggle bonds, saving the company roughly \$137M in annual cash interest. At DecQ end, Freescale had roughly \$1.4B; however, in January Freescale drew \$184 million on its revolver, leaving nominal availability. The company indicated that it is currently looking at its capital structure.

Technology

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See page 21 for analyst certification and important disclosures.

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- **Nortel filed for bankruptcy.** On January 14, Nortel filed for bankruptcy ahead of roughly \$100 million in interest payments. The company had \$2.4 billion of cash on the balance sheet.
- **Technology Investment Grade names underperformed the index.** Over the past month, the J.P. Morgan Technology Index underperformed the J.P. Morgan Industrials index by 43bps in spread terms, and the Technology CDS single names underperformed the CDX.IG by 42bps. In the last 30 days, the JULI Technology Index returned -1.9% while the JULI returned 0.0%. Some of the Hardware names weakened the most in HG again.
- **Technology High Yield names underperformed again this month.** Over the past month, the J.P. Morgan Domestic High Yield index tightened roughly 146bps more than the J.P. Morgan Technology HY Index. Underperformance was even more pronounced in the CDS as the Technology single names widened roughly 437bps more than the CDX.HY. On a total return basis, the J.P. Morgan Technology HY index returned 1.9% and the JPM Domestic HY index returned -9.4% over the past month. Semiconductor names weakened the most in high yield.
- **Inside you will find our detailed high grade and high yield comparables, relative performance of the technology sector, and selected bond performance in the sector.**

Comparables: High Yield

- **Communications Equipment:** Alcatel-Lucent (ALUFP), Avaya (AV), Nortel (NT).....4
- **EMS:** Celestica (CLS), Flextronics (FLEX), Jabil (JBL), Sanmina-SCI (SANM).....5
- **IT Hardware:** Eastman Kodak (EK), Seagate (STX).....6
- **IT Services:** Affiliated Computer Services (ACS), First Data (FDC), Unisys (UIS).....7
- **OSAT:** Amkor (AMKR), Advanced Semiconductor Engineering (ADSEMI), ASE Test (ASTSF), Siliconware Precision (SILPRE), STATS ChipPAC (STATSP)8
- **Semiconductors:** Advanced Micro Devices (AMD), Avago (AVATEC), Conexant (CNXT), Freescale (FSL), MagnaChip MAGSMI, NXP (NXPBV), Sensata (SENSAT), Spansion (SPSN)9
- **Software:** Activant (COOPCP), CA (CA), Serena Software (SRNA), Sungard (SDSINC).....10

Comparables: High Grade

- **EMS / Distributors:** Arrow (ARW), Avnet (AVT), Jabil (JBL)11
- **Communications Equipment:** Cisco (CSCO), Corning (GLW), Motorola (MOT)12
- **IT Hardware:** Dell (DELL), Hewlett-Packard (HPQ), IBM (IBM), Lexmark (LXK), Pitney Bowes (PBI), Seagate (STX), Sun Microsystems (JAVA), Xerox (XRX).....13
- **Semiconductors:** Agilent (A), National Semiconductor (NSM).....14
- **IT Services:** Broadridge (BR), Computer Sciences (CSC), Electronic Data Systems (EDS), Fiserv (FISV), SAIC (SAI)15
- **Software:** CA (CA), Intuit (INTU), Oracle (ORCL).....16

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09 February 2009

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Company	Alcatel-Lucent ALUPP	Avaya ¹ AV	Nortel NT
Bond Ticker			
Top 3 End Markets	Wireline - 36% Wireless - 28% Enterprise - 10% Services - 18% Convergence - 9%	Enterprise - 60% Services - 40%	Wireless - 45% (CDMA-51%, GSM-49%) Wireline - 12% (Optical - 76%, Carrier Equipment - 24%) Enterprise - 24% Services - 19%
Key Products	Base Station Controller, IP Multimedia Subsystem (IMS) VoIP, DWDM Solutions, GPRS, Optical Switches CDMA Access, GSM Edge Access, UMTS Access	Media Servers; Media gateways; Telephones PBXs; IP enabled voice equipment Installation & Integration Services	Base Station Controllers, Base Transceiver Station, PDSN GPRS, WIMAX System, IPTV, VoIP Gateways, IP Phones Layer 2-7 switches, Optical Switches
Top Customers	Wireless - Verizon, Sprint Nextel, Orange, Deutsche Telekom Wireline - AT&T, France Telecom, BT, Verizon, China Telecom Enterprise - Various Fortune 500 companies	Enterprise - Various Fortune 500 companies	Wireless - Verizon, Sprint Nextel Wireline - Verizon, British Telecom, Liberty Global Enterprise - Various Fortune 500 companies
Ratings	Ba3/BB--	WR/B	Ca/
Operating Highlights (LTM as of)	30-Sep-08	30-Sep-07	30-Sep-08
Revenue	€17,264	5,279	10,897
EBITDA	€1,744	848	891
EBITDA Margin	10.1%	16.1%	8.2%
Gross Margin	33.9%	46.8%	42.0%
SG&A as a % of Revenue	17.0%	30.5%	21.7%
R&D as a % of Revenue	14.1%	8.4%	15.7%
Cash Flow Highlights			
EBITDA	€1,744	848	891
- Interest	(€331)	(570)	(320)
- Capex	(€888)	(200)	(224)
Free Cash Flow (FCF)	€525	78	347
FCF % of EBITDA	30%	9%	39%
FCF % of Debt	10%	1%	8%
Capex % of Revenue	5%	4%	2%
Liquidity & Capitalization			
Cash	€4,461	500	2,650
RC Availability	€1,400	550	0
Total Liquidity	€5,861	1,050	2,650
Secured Debt	€0	4,300	0
Senior Debt	€4,722	6,000	4,485
Total Debt	€5,521	6,000	4,485
Net Debt/(Cash)	€1,060	5,500	1,835
Book Value of Equity	€10,432	2,259	(184)
Market Value of Equity	€3,349	2,193	NA
Enterprise Value (EV)	€4,409	7,693	NA
EV / EBITDA	2.5x	9.1x	NA
EV / Revenue	0.3x	1.5x	NA
Credit Ratios			
EBITDA/ Interest	5.3x	1.5x	2.8x
EBITDA-Capex/ Interest	2.6x	1.1x	2.1x
Secured Debt / EBITDA	0.0x	5.1x	0.0x
Senior Debt / EBITDA	2.7x	7.1x	5.0x
Total Debt / EBITDA	3.2x	7.1x	5.0x
Net Debt / EBITDA	0.6x	6.5x	2.1x
Debt / Capital	35%	73%	104%
Debt/ EV	125%	78%	NA
Issuer / Gurantor Senior Notes	ALUPP 6.45% due '29	--	--
Rating	Ba3 / BB- cw- / NR	--	--
Price	\$36.00	--	--
YTW	18.83%	--	--
STW	1548bp	--	--
Z-Spread	1567bp	--	--
5-Year CDS	1798bp	--	--
Senior Notes	ALUPP 6.5% due '28	--	--
Rating	Ba3 / BB- cw- / NR	--	--
Price	\$36.00	--	--
YTW	19.15%	--	--
STW	1584bp	--	--
Z-Spread	1599bp	--	--
5-Year CDS	--	--	--

Source: Company Reports, J.P. Morgan, Bloomberg. (Bond/CDS Pricing data is the most recent observed in the Market)

¹ Pro Forma for acquisition by TPG and Silver Lake, cap structure details from definitive proxy DEF14A filed 8/15/2007, cash on balance-sheet (except \$500M) used to fund the transaction. Capex estimated at \$200M. Interest Expense estimated

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Company Bond Ticker	Celestica CLS	Flextronics ¹ FLEX	Jabil JBL	Sanmina SANM
End Markets (% of revenues)	Enterprise Communications - 27% Consumer - 23% Infrastructure - 15% Servers/Storage - 27% Industrial, aerospace, defense - 8%	Computing - 17% Consumer - 14% Infrastructure - 35% Mobile - 19% Industrial, aerospace, medical, auto - 15%	Industrial, Instrumentation & Medical - 19% Networking / Telecommunications - 29% Computing, Storage - 13% Consumer (Display, Mobility, Peripherals) - 26% Aftermarket Services, Auto, Other - 13%	Multimedia - 15% Communications - 44% High End Computing/Storage - 18% Industrial, aerospace, medical, auto - 23%
Key Products	Hubs, switches, routers, mainframes Base stations, exchanges, switches Servers, storage, Xbox, VoIP products Medical, military/aerospace equip.	Cell phones, pagers, PDAs Copiers, scanners, printers, PCs Base stations, exchanges, switches, optical Set-top boxes, Xbox, cameras, appliances Servers, storage, workstations, mainframes	Servers, storage, handsets, set-top boxes TVs, entertainment systems, appliances Modems, routers, switches, hubs, gateways Printers, copiers, scanners, fax machines Broadband, central office, optical, VoIP	Base stations, routers, switches, transceivers Desktop PCs, servers, storage, set-top boxes Various auto, industrial, defense products Various medical products, memory modules
Key Customers	0 Customers > 10% Top Ten (60%) Alcatel-Lucent, NEC, Sun Micro, Avaya, Powerwave	Sony-Ericsson > 10% Top Ten (54%) HP, Nortel, Kyocera, Dell, Xerox, Microsoft, Kodak, IBM	Cisco, Hewlett-Packard, Nokia > 10% Top Ten (65%) Hewlett-Packard, Phillips, IBM, Nokia	0 Customers > 10% Top Ten (63%) Ericsson, Alcatel-Lucent, Echostar, Tellabs, Cisco, Nokia
Ratings	B1/B+	Ba1/BB+	Ba1/BB+	B1/B+
Operating Highlights (LTM as of)	30-Sep-08	30-Sep-08	31-Aug-08	30-Sep-08
Revenue	7,953	34,056	12,780	7,957
EBITDA	326	1,602	601	317
EBITDA Margin	4.1%	4.7%	4.7%	4.0%
Gross Margin	6.6%	5.9%	6.8%	7.0%
SG&A as a % of Revenue	3.7%	2.8%	3.8%	4.0%
R&D as a % of Revenue	0.0%	0.0%	0.3%	0.2%
Cash Flow Highlights				
EBITDA	326	1,602	601	317
- Interest	(66)	(179)	(85)	(117)
- Capex	(78)	(482)	(338)	(121)
Free Cash Flow (FCF)	182	941	179	79
FCF % of EBITDA	56%	59%	30%	25%
FCF % of Debt	24%	27%	14%	5%
Capex % of Revenue	1%	1%	3%	2%
Liquidity & Capitalization				
Cash	1,258	1,701	773	870
RC Availability	277	2,383	800	476
Total Liquidity	1,536	4,084	1,573	1,346
Secured Debt	0	0	0	0
Senior Debt	0	1,905	1,243	480
Total Debt	758	3,443	1,243	1,482
Net Debt/(Cash)	(500)	1,742	470	612
Total Debt (incl. A/R Facility)	833	4,163	1,395	1,732
Book Value of Equity	2,208	8,107	2,723	1,170
Market Value of Equity	978	2,251	1,379	179
Enterprise Value (EV)	479	3,992	1,849	791
EV / EBITDA	1.5x	2.5x	3.1x	2.5x
EV/Revenue	0.1x	0.1x	0.1x	0.1x
Credit Ratios				
EBITDA/ Interest	4.9x	8.9x	7.1x	2.7x
EBITDA-Capex/ Interest	3.7x	6.2x	3.1x	1.7x
Secured Debt / EBITDA	0.0x	0.0x	0.0x	0.0x
Senior Debt / EBITDA	0.0x	1.2x	2.1x	1.5x
Total Debt / EBITDA	2.3x	2.1x	2.1x	4.7x
Net Debt / EBITDA	-1.5x	1.1x	0.8x	1.9x
Total Debt (incl. A/R) / EBITDA	2.6x	2.6x	2.3x	5.5x
Debt / Capital	26%	30%	31%	56%
Debt/EV	158%	86%	67%	187%
Senior Notes	--	--	JBL 5.875% due '10	FRNs (L+275) Sr Unsec Notes due '14
Rating	--	--	Ba1 / BB+ / BB+	--
Price	--	--	\$92.00	--
YTW	--	--	12.14%	--
STW	--	--	1141bp	--
Z-Spread	--	--	1029bp	--
5-Year CDS	--	--	336bp	--
Subordinate Notes	CLS 7.625% due '13	FLEX 6.25% due '14	--	SANM 8.125% due '16
Rating	B3 / B / B	Ba2 / BB- / BB-	--	B3 / B- / B
Price	\$88.00	\$79.00	--	\$41.00
YTW	11.15%	11.30%	--	27.47%
STW	938bp	918bp	--	2509bp
Z-Spread	870bp	856bp	--	2468bp
5-Year CDS	494bp	707bp	--	--

Source: Company Reports, J.P. Morgan, Bloomberg. (Bond/CDS Pricing data is the most recent observed in the Market)
¹ LTM Data is pro-forma for the SLR acquisition

(All data LTM and US\$ in millions except where denoted)

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Company Bond Ticker	Eastman Kodak EK	Seagate STX
Key Products (% of total revs)	<p>Digital Consumer (31%) Digital camera, retail kiosk, ink-jet printers + consumables web merchandise/services (Kodak Gallery), CMOS/CCD Sensors</p> <p>Graphic Communications (35%) Digital printing systems, workflow software wide-format inkjet printers, digital plates</p> <p>Film Imaging (34%) Traditional film (incl. Super 8mm) and services (post-production tools, editing workstations, storage) for motion pictures and professionals</p>	<p>HDD - Hard Disk Drives (100%) Desktop (61%) Mobile Computing (15%) Consumer (13%) Enterprise applications (11%)</p>
Key End Markets	<p>Consumer Commercial printing Hollywood, Bollywood and Professional Photographers</p>	<p>Desktop (61%) Mobile Computing (15%) Consumer (13%) Enterprise applications (11%)</p>
Ratings	B2 ⁺ -/B ⁻	/BB-
Operating Highlights (LTM as of)	31-Dec-08	31-Dec-08
Revenue	9,416	11,306
EBITDA	527	1,663
EBITDA Margin	5.6%	14.7%
Gross Margin	23.1%	20.8%
SG&A as a % of Revenue	16.8%	5.6%
R&D as a % of Revenue	5.3%	9.0%
Cash Flow Highlights		
EBITDA	527	1,663
- Interest	(101)	(121)
- Capex	(254)	(1,062)
Free Cash Flow (FCF)	172	480
FCF % of EBITDA	33%	29%
FCF % of Debt	13%	20%
Capex as a % of Revenue	3%	9%
Liquidity & Capitalization		
Cash	2,145	1,309
RC Availability	1,434	100
Total Liquidity	3,579	1,409
Secured Debt	0	0
Senior Debt	1,344	2,324
Total Debt	1,344	2,365
Net Debt/(Cash)	(801)	1,056
Book Value of Equity	1,742	4,135
Market Value of Equity	1,247	2,129
Enterprise Value (EV)	446	3,185
EV / EBITDA	0.8x	1.9x
EV / Revenue	0.0x	0.3x
Credit Ratios		
EBITDA / Interest	5.2x	13.8x
EBITDA - Capex / Interest	2.7x	5.0x
Secured Debt / EBITDA	0.0x	0.0x
Senior Debt / EBITDA	2.6x	1.4x
Total Debt / EBITDA	2.6x	1.4x
Net Debt / EBITDA	-1.5x	0.6x
Debt / Capital	44%	36%
Debt / EV	301%	74%
Senior Notes	EK 7.25% due '13	STX 6.8% due '16
Rating	B2 cw- / B- cw- / B-	Ba2 cw- / BB- / BB+
Price	\$67.00	\$53.13
YTW	17.80%	18.49%
STW	1592bp	1598bp
Z-Spread	1528bp	1555bp
5-Year CDS	1186bp	1099bp
CUSIP		
Subordinate Notes		
Rating	--	--
Price	--	--
YTW	--	--
STW	--	--
Z-Spread	--	--
5-Year CDS	--	--

Source: Company Reports, J.P. Morgan, Bloomberg. (Bond/CDS Pricing data is the most recent observed in the Market)

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Company Bond Ticker	Affiliated Computer Services ACS	First Data Corp. ⁵ FDC	Lender Processing Services ⁴ LPS	Unisys ³ UIS
Revenue Mix by Service Type (% of total revs)	IT / Biz Processing Services (Mostly BPO) Biz Processing Outsourcing (BPO) - 84% - Community / welfare - child support, food stamps - Healthcare: Medicaid, govt. pharmacy benefits progs - Transport: toll collection, fuel tax, registration process. - Human Resource processing, customer care/call center IT Outsourcing - 16% - Desktop, network mgmt, IT consulting etc.	Payment Processor Commercial Services - 45% - merchant acq - signing up merchants for card acceptance - merchant processing - authorization, data transmission, data security and settlement functions for merchants Financial Institution Services - 34% - authorization, settlement, customer service/call centers, loyalty program administration and statement printing and mailing services for credit and debit card issuers International - 21% - both merchant and card issuer processing for international	Software & Outsourcing Services (Mortgage Industry) Technology, Data and Analytics - 32% - Mortgage Processing (new and existing mortgages) - Workflow Management (Property records data & valuation services) Loan Transaction Services - 68% - Loan facilitation services (settlement & property appraisals) - Default Management Services (facilitate defaults & foreclosures)	IT / Business Processing Services IT Services (89%) Consulting & systems integration (29%) Outsourcing (39%) Core maintenance (7%) Infrastructure Services (14%) Hardware (11%) - Enterprise Servers (9%) - Specialized Technology (2%)
Revenue Mix by Customer Type	Commercial (focused on small to mid-sized) - 60% Government (many state and local) - 40%	- national and regional merchants - credit and debit card issuers, banks, financial institutions - private label card issuers (both credit & prepaid store cards)	Banks & Mortgage Industry (100%) 9 of the top 10 banks are clients	Public - 35% Commercial - 32% Financial Services - 33%
Key Customers	- GE, Office Depot, Wells Fargo, Verizon - Various states (NY/NJ/EZ-Pass, TX, OR, NC/Medicaid) - Department of Education (5% of revs, Fed student loans)	- No customer greater than 3% of revenues - Target, Walmart, Home Depot, Shell etc etc - Starbucks, MacDonald's, Blockbuster - Chase Paymentech, Wells Fargo, PNC, Citi etc etc	- All major Banks (Washington Mutual, Wachovia, J.P. Morgan, BoA, Citi) - Other players in the Mortgage Industry (EMC)	- No single entity >10% of sales - TSA, Department of Defense, City of Chicago - IPSL check processing, Royal & Sun Alliance, ABNAmmo
Ratings	WR/BB	B3/B+	Ba2/BB+	B3/B+
Operating Highlights (LTM as of)	31-Dec-08	30-Sep-08	30-Sep-08	30-Sep-08
Revenue	6,373	8,773	1,824	5,489
EBITDA	1,105	2,595	554	611
EBITDA Margin	17.3%	29.6%	30.4%	11.1%
Gross Margin	30.2%	62.1%	36.6%	23.9%
SG&A as a % of Revenue	12.2%	14.5%	12.4%	18.3%
R&D as a % of Revenue	0.0%	0.0%	0.0%	2.7%
Cash Flow Highlights				
EBITDA	1,105	2,595	554	611
- Interest	(145)	(1,500)	(105)	(96)
- Capex	(302)	(482)	(55)	(288)
Free Cash Flow (FCF)	658	633	393	230
FCF % of EBITDA	60%	24%	71%	38%
FCF % of Debt	28%	3%	25%	22%
Capex % of Revenue	5%	5%	3%	5%
Liquidity & Capitalization				
Cash	567	579	49	494
RC Availability	821	1,463	139	212
Total Liquidity	1,388	2,042	189	706
Secured Debt	2,322	13,167	1,174	0
Senior Debt	2,376	20,138	1,549	1,060
Total Debt	2,376	22,777	1,549	1,062
Net Debt(Cash)	1,809	22,198	1,499	568
Book Value of Equity	2,383	6,406	161	380
Market Value of Equity ⁷	4,701	6,406	2,563	293
Enterprise Value (EV)	6,510	28,605	4,062	862
EV / EBITDA	5.9x	11.0x	7.3x	1.4x
EV/Revenue	1.0x	3.3x	2.2x	0.2x
Credit Ratios				
EBITDA/ Interest	7.6x	1.7x	5.3x	6.4x
EBITDA-Capex/ Interest	5.5x	1.4x	4.7x	3.4x
Secured Debt / EBITDA	2.1x	5.1x	2.1x	0.0x
Senior Debt / EBITDA	2.1x	7.8x	2.8x	1.7x
Total Debt / EBITDA	2.1x	8.8x	2.8x	1.7x
Net Debt / EBITDA	1.6x	8.6x	2.7x	0.9x
Debt / Capital	50%	78%	91%	74%
Debt / EV	36%	80%	38%	123%
Senior Notes	ACS 5.2% due '15	FDC 9.875% due '15	LPS 8.125% due '16	UIS 8.5% due '15
Rating	Ba2 / BB / BB-	/ B /	Ba2 / BB+ /	Caa1 / B+ / CCC
Price	\$79.00	\$59.50	\$97.75	\$36.00
YTW	9.73%	21.60%	8.54%	32.47%
STW	750bp	1930bp	608bp	3016bp
Z-Spread	688bp	1889bp	559bp	2375bp
5-Year CDS	472bp	1374bp	--	2755bp
Subordinate Notes				
Rating	--	--	--	--
Price	--	--	--	--
YTW	--	--	--	--
STW	--	--	--	--
Z-Spread	--	--	--	--
5-Year CDS	--	--	--	--

Source: Company Reports, J.P. Morgan, Bloomberg. (Bond/CDS Pricing data is the most recent observed in the Market)

¹ EBITDA is adjusted for pensions

⁴ Debt and Leverage figures are Pro-forma for debt issuance; Interest expense is pro-forma

⁵ Interest is estimated yearly cash interest

(All data LTM and US\$ in millions except where denoted)

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Company Bond Ticker	Amkor AMKR	ASE ¹ ADSEMI	ASE Test Limited ASTSF	Siliconware Precision Industries SILPRE	STATS ChipPAC STATSP
End Markets (% of revenues)	Communications - 42% Computing - 16% Consumer & Other - 42%	Communications - 37% Computing - 24% Consumer & Other - 39%	Communications - 44% Computing - 28% Consumer & Other - 28%	Communications - 27% Computing - 32% Consumer & Other - 41%	Communications - 53% Computing - 14% Consumer & Other - 33%
Service Type	Assembly & Packaging - 88% Test - 12%	Assembly & Packaging - 78% Test - 22%	Assembly & Packaging - 19% Test - 81%	Assembly & Packaging - 91% Test - 9%	Assembly & Packaging - 75% Test - 25%
Key Customers	No single cusly > 10% of sales AMD, Toshiba, IBM, Sony, TXN, Samsung, INTC	ATI Tech - 10% Qualcomm, Freescale, RF Micro, MSFT, ATMEL	Top 5 (30%), Top 10 (53%) Allera, ATI, Atmel, CSR, IFX, Lattice, QCOM	Marvell >10% NVIDIA, Mediatek, Via, SIS, ATI Tech, Xilinx	Top 10 (65%) Intel >10%, Freescale >10%
Revenue Mix by Geography	United States - 36% Asia - 49% Other - 15%	North America - 56% Europe - 14% Asia - 20% Japan - 10%	North America - 62% Europe - 13% Asia - 25%	North America - 55% Europe - 3% Asia - 40% Japan - 2%	North America - 73% Europe - 4% Asia - 23%
Ratings	B1/B+				
Operating Highlights (LTM as of)	30-Sep-08	31-Dec-07	31-Dec-07	31-Mar-08	28-Sep-08
Revenue	2,857	3,087	466	2,050	1,810
EBITDA	719	1,091	213	726	440
EBITDA Margin	25.2%	35.3%	45.6%	35.4%	24.3%
Gross Margin	25.4%	28.9%	34.2%	27.9%	18.2%
SG&A as a % of Revenue	8.9%	6.4%	10.5%	3.1%	6.6%
R&D as a % of Revenue	1.9%	3.2%	4.2%	2.0%	2.1%
Cash Flow Highlights					
EBITDA	719	1,091	213	726	440
- Interest	(127)	(37)	(9)	1	(36)
- Capex	(393)	(447)	(58)	383	(292)
Free Cash Flow (FCF)	198	606	145	1,110	113
FCF % of EBITDA	28%	20%	68%	54%	6%
FCF % of Debt	12%	50%	139%	1128%	23%
Capex % of Revenue	14%	14%	12%	(19%)	16%
Liquidity & Capitalization					
Cash	444	529	219	799	248
RC Availability	100				187
Total Liquidity	543				435
Secured Debt	278				
Senior Debt	1,340				
Total Debt	1,630	1,225	105	98	499
Net Debt/(Cash)	1,186	695	(115)	(701)	251
Book Value of Equity	859	2,318	905	2,284	1,636
Market Value of Equity	527	1,989	--	2,963	NM
Enterprise Value (EV)	1,713	2,684	--	2,263	NM
EV / EBITDA	2.4x	2.5x	--	3.1x	NM
EV / Revenue	0.6x	0.9x	--	1.1x	NM
Credit Ratios					
EBITDA/ Interest	5.6x	29.2x	22.8x	-499.6x	12.4x
EBITDA-Capex/ Interest	2.6x	17.2x	16.6x	-762.9x	4.2x
Secured Debt / EBITDA	0.4x				
Senior Debt / EBITDA	1.9x				
Total Debt / EBITDA	2.3x	1.1x	0.5x	0.1x	1.1x
Net Debt / EBITDA	1.6x	0.6x	-0.5x	-1.0x	0.6x
Debt / Capital	65%	35%	10%	4%	23%
Debt / EV	95%	46%	--	4%	NM
Senior Notes	AMKR 9.25% due '16	--	--	--	STATSP 6.75% due '11
Rating	B1 / B+ /	--	--	--	Ba1 / BB+ /
Price	\$55.13	--	--	--	\$77.00
YTW	21.78%	--	--	--	17.61%
STW	1934bp	--	--	--	1636bp
Z-Spread	1894bp	--	--	--	1567bp
5-Year CDS	735bp	--	--	--	--
Subordinate					
Rating	--	--	--	--	--
Price	--	--	--	--	--
YTW	--	--	--	--	--
STW	--	--	--	--	--
Z-Spread	--	--	--	--	--
5-Year CDS	--	--	--	--	--

Source: Company Reports, J.P. Morgan, Bloomberg (Bond/CDS Pricing data is the most recent observed in the Market)

¹ Financials converted from TWD to USD as of the Quarter-End date

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Company Bond Ticker	Advanced Micro Devices	Conexant	Freescape	Magnachip Semiconductor	NXP	Sensata	Spanson
End Markets (% of total revs)	AMD Computing -82% Other (Graphics & Other) - 18%	CNXT Computing / Other (MFPs etc) - 39% Home Entertainment - 29% Wireline (DSL) & Wireless (Sold) - 32%	FSL Wireless - 24% Transportation - 33% Wireline / Computing - 23% Consumer / Industrial - 20%	MAGSMI Wafer laundry - 45% Display Solutions - 43% Imaging Solutions - 11% Other - 1%	NXPBV Wireless - 32% Multimarket - 29% Home Entertainment - 14% Automotive / Industrial - 25%	SENSAT Automotive - 56% (23% N. America) Appliances / HVAC - 15% Heavy Vehicle / Other - 14% Industrial - 15%	SPSN Wireless - 50% Embedded - 50% (consumer/auto electronics, home entertainment)
Key Products	Microprocessors Embedded microprocessors Graphic and chipset products	Analog modem chipsets DSL integrated circuits (ICs) DSL system-on-chip (SoC) Cable/satellite set-top box components/system solutions WLAN 802.11 solutions	Microcontrollers Digital signal processors (DSPs) Embedded microprocessors Baseband components RF receivers Customized analog/mixed-signal ICs Sensors	CMOS image sensors Mixed-signal/digital multimedia Flat panel display drivers Semi manufacturing services	Application-specific chips (ASICs) Various RF products Channel/video decoders Analog/digital tuners In-car entertainment chips Transistor/diodes, discretes	Sensors (63%) Controls (37%)	NOR flash memory
Key Customers	Top 4 customers - 40% various multinational, regional OEMs (Dell, IBM, Acer, Fujitsu) and Distributors	No single cusly > 5% of sales Dell, Toshiba, HP, Panasonic Lucent, Huawei, Motorola, DirecTV, Dish	Motorola (20%), Top Ten (59%) Bosch, BMW, TRW Auto, Delphi Hitachi, Sony, Honeywell, Arrow, HP	LG, Philips LCD (26%) Samsung (10%)	No single cusly > 10% of sales Philips (8%), Samsung (8%) Top Ten (44%)	No single cusly > 8% of sales Top Ten (40%) Automotive and Industrial OEMs	Fujitsu (36%), AMD (13%), Nokia (12%) Motorola, LG, Samsung, Sony Ericsson Sony, Canon, Panasonic, Bosch
Ratings	Caa1/B+	Caa1/B-	Caa2/B-	B2/NR	Caa3/CCC	Caa1/B	Caa/D
Operating Highlights (LTM as of)	30-Sep-08	30-Sep-08	30-Sep-08	30-Sep-08	30-Sep-08	30-Sep-08	30-Sep-08
Revenue	6,209	609	5,825	820	6,095	1,530	2,467
EBITDA	631	77	1,588	62	793	374	299
EBITDA Margin	10.2%	12.6%	27.3%	7.6%	13.0%	24.4%	12.1%
Gross Margin	42.4%	49.5%	45.5%	24.5%	36.6%	32.2%	17.0%
SG&A as a % of Revenue	21.1%	15.6%	11.5%	10.3%	14.6%	20.2%	10.5%
R&D as a % of Revenue	29.6%	27.4%	19.9%	17.3%	22.5%	3.3%	18.2%
Cash Flow Highlights							
EBITDA	631	77	1,588	62	793	374	299
- Interest	(350)	(34)	(754)	(55)	(488)	(129)	(85)
- Capex	(777)	(6)	(302)	(47)	(522)	(45)	(548)
Free Cash Flow (FCF)	(496)	37	532	(39)	(216)	(200)	(334)
FCF % of EBITDA	(79%)	48%	33%	(62%)	(27%)	54%	(112%)
FCF % of Debt	(10%)	9%	6%	(5%)	(4%)	8%	(21%)
Capex as a % of Revenue	13%	1%	5%	6%	9%	3%	22%
Liquidity & Capitalization							
Cash	1,341	106	1,301	24	1,535	150	152
RC Availability	0	0	690	1	705	144	102
Total Liquidity	1,341	106	1,991	25	2,240	294	254
Secured Debt	58	141	3,489	590	3,970	1,513	1,028
Senior Debt	5,140	141	7,829	590	5,983	1,963	1,348
Total Debt	5,140	391	9,362	840	5,983	2,560	1,555
Net Debt/(Cash)	3,799	286	8,061	816	4,448	2,409	1,403
Book Value of Equity	1,514	(137)	(685)	(665)	1,726	488	1,442
Market Value of Equity	1,436	32	(685)	-	1,726	-	11
Enterprise Value (EV)	5,235	317	7,376	-	6,174	-	1,415
EV / EBITDA	8.3x	4.1x	4.6x	-	7.8x	-	4.7x
EV / Revenue	0.8x	0.5x	1.3x	-	1.0x	-	0.6x
Credit Ratios							
EBITDA / Interest	1.7x	2.3x	2.1x	1.1x	1.6x	2.9x	3.5x
EBITDA - Capex / Interest	-0.4x	2.1x	0.0x	0.3x	0.6x	2.6x	-2.9x
Secured Debt / EBITDA	0.1x	1.8x	2.2x	9.5x	5.0x	4.0x	3.4x
Senior Debt / EBITDA	8.1x	1.8x	4.9x	9.5x	7.5x	5.3x	4.5x
Total Debt / EBITDA	8.1x	5.1x	5.9x	13.5x	7.5x	6.8x	5.2x
Net Debt / EBITDA	6.0x	3.7x	5.1x	13.1x	5.6x	6.4x	4.7x
Debt / Capital	77%	154%	108%	480%	78%	84%	52%
Debt / EV	98%	123%	127%	-	97%	-	110%
Senior Notes	AMD 7.75% due '12	FRN (L+375) Sr Sec Nts due '10	FSL 8.875% due '14	6.875% 2nd Lien due '11	NXPBV 9.5% due '15	SENSAT 8% due '14	SPSN 11.25% due '16
Rating	Caa1 / B cw- / CCC	--	Caa2 / CCC / C	Ca / NR /	Caa3 / CCC- /	Caa1 / CCC+ /	Ca / D / C
Price	\$36.00	--	\$24.00	\$2.00	\$8.38	\$43.00	\$3.50
YTW	44.30%	--	49.52%	250.00%	113.18%	30.44%	250.00%
STW	4275bp	--	4738bp	0bp	9999bp	2843bp	9999bp
Z-Spread	4209bp	--	4699bp	#N/A	11115bp	2788bp	37501bp
5-Year CDS	3454bp	--	--	--	7779bp	--	--
Subordinate Notes	--	--	FSL 10.125% due '16	MAGSMI 8% due '14	--	--	--
Rating	--	--	Caa3 / CCC / C	C / NR /	--	--	--
Price	--	--	\$21.00	\$0.01	--	--	--
YTW	--	--	53.01%	250.00%	--	--	--
STW	--	--	5045bp	0bp	--	--	--
Z-Spread	--	--	5047bp	--	--	--	--
5-Year CDS	--	--	--	--	--	--	--

Source: Company Reports, J.P. Morgan, Bloomberg. (Bond/CDS Pricing data is the most recent observed in the Market)

(All data LTM and US\$ in millions except where denoted)

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Company Bond Ticker	Activant COOPCP	CA Inc. CA	Serena Software SRNA	SunGard Data Systems Inc. ¹ SDS
Vertical Focus (% of total revs)	Hardware & Lumber - 41% Wholesale Distribution - 29% Auto - 27%	Enterprise Distributed - 40% Mainframe - 60%	Finance Government Healthcare Manufacturing Technology	Financial Institutions - 52% (banks, brokers, insurance cos, treasury depts, mutual funds, hedge funds) Enterprise - 29% Education / Public Sector - 19%
Key Software Functions	Hardware & Lumber Content -- POS data supplied to manufacturers eCommerce btw. retailer & customers eCommerce btw. distributor & build/contractors Wholesale Distribution eCommerce for custys, distr., & manuf. Interconnect -- document exchange electrical industry Data Warehouse -- for electrical industry Auto Content -- Auto parts catalog Data Warehouse -- Co-op supply chain analytics eCommerce - auto parts store	Enterprise Systems Management Unifies network, systems, database, apps, and Web Infrastructure management Mainframe Solutions Optimizes reliability, flexibility, and capacity Storage Management Manages, protects, and aligns resources, data, & info Security Management Manages security environment	Application Lifecycle Management Integrates multiple roles, existing tools, global locations, and multiple platforms Operations Process Management Allows companies to proactively manage critical operational enterprise processes Project & Portfolio Management Enables organizations to continuously select and execute optimum portfolio of programs and projects Compliance Helps co's adapt to and handle govt mandates	Financial Services - automate detailed processes with trading securities, managing portfolios accounting for investment assets Availability Services - "always-ready" standby and recovery services to maintain uninterrupted access to critical data/computer systems Higher Education / Public Sector - Enterprise resource planning
Top Customers	- True Value, Ace Hardware, Do It Best - SCP, Wainbee, Techni-tool, Central Garden & Pot - Carquest, O'Reilly, Pep Boys, Goodyear, Auto Value, Bumper to Bumper	- No cushty signif. portion of revs - Fortune 500 companies-- education, govt, fin services, healthcare, manuf., retail custys	- No cushty >10% of revs - Finance, govt, healthcare, manufacturing, and tech custys	- No cushty >3% of revs - 25,000 custys in 50 countries incl. Top 50 financial services cos small/mid/large enterprises in all industries - colleges, universities, K-12, local govts
Ratings	B2/B	Ba1/BBB	B2/B	Caa1/B+
Operating Highlights (LTM as of)	30-Jun-08	31-Dec-08	31-Jan-08	30-Sep-08
Revenue	428	4,321	270	5,441
EBITDA	103	1,563	92	1,502
EBITDA Margin	24.1%	36.2%	34.1%	27.6%
Gross Margin	56.0%	85.6%	68.3%	51.4%
SG&A as a % of Revenue	23.5%	40.8%	36.4%	20.4%
R&D as a % of Revenue	10.0%	11.4%	14.9%	5.7%
Cash Flow Highlights	EBITDA 103 - Interest (46) - Capex (12) Free Cash Flow (FCF) 45 FCF % of EBITDA 44% FCF % of Debt 7% Capex % of Revenue 3%	1,563 (105) (258) 1,200 77% 58% 6%	92 (48) (4) 41 44% 8% 1%	1,502 (578) (265) 559 37% 6% 7%
Liquidity & Capitalization	Cash 33 RC Availability 20 Total Liquidity 53 Secured Debt 457 Senior Debt 457 Total Debt 632 Net Debt/(Cash) 599 Book Value of Equity 256 Market Value of Equity - Enterprise Value (EV) - EV / EBITDA - EV / Revenue -	2,369 250 2,619 0 1,602 2,082 (287) 4,269 9,724 9,437 6.0x 2.2x	68 75 143 320 320 520 452 487 - - 6.0x 2.2x	1,588 605 2,193 5,665 7,769 8,769 7,181 3,428 3,428 10,609 7.1x 1.9x
Credit Ratios	EBITDA/ Interest 2.3x EBITDA-Capex/ Interest 2.0x Secured Debt / LTM EBITDA 4.4x Senior Debt / LTM EBITDA 4.4x Total Debt / LTM EBITDA 6.1x Net Debt / LTM EBITDA 5.8x Debt / Capital 71.2% Debt / EV -	14.9x 12.4x 0.0x 1.0x 1.3x -0.2x 32.8% 22.1%	1.9x 1.9x 3.5x 3.5x 5.6x 4.9x 51.7% -	2.6x 2.0x 3.8x 5.2x 5.8x 4.8x 71.9% -
Senior Notes	--	CA 6.125% due '14 Ba1 / BBB / BB+	--	SDSINC 9.125% due '13 Caa1 / B / B
Rating	--	--	--	--
Price	--	\$85.13	--	\$86.50
YTW	--	8.98%	--	13.19%
STW	--	683bp	--	1138bp
Z-Spread	--	676bp	--	1073bp
5-Year CDS	--	--	--	891bp
Subordinate Notes	COOPCP 9.5% due '16 Caa1 / CC-C+	--	SRNA 10.375% due '16 Caa1 / CC-C+ /	10.250% Sr Sub Nts due '15 Caa1 / B / B-
Rating	--	--	--	--
Price	\$52.13	--	\$58.25	\$69.00
YTW	23.60%	--	22.37%	18.67%
STW	2117bp	--	1997bp	1640bp
Z-Spread	2078bp	--	1957bp	1591bp
5-Year CDS	--	--	--	--

Source: Company Reports, J.P. Morgan, Bloomberg. (Bond/CDS Pricing data is the most recent observed in the Market)
¹ Total Debt does not include borrowing on Accounts Receivable Facility

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Company Bond Ticker	Arrow ARW		Avnet AVT		Jabil JBL
Distribution of (% of total revs) Key Products	Components (68%) - Semiconductors - Connectors - Passives - Electromechanical devices	Computer Products (32%) - Mid-to-high end servers - Data storage - Software - Security - Services	Components (58%) - Semiconductors - Connectors - Passives - Electromechanical devices	Computer Products (42%) - High end servers - Data storage - Software - Services	Servers, storage, handsets, set-top boxes TVs, entertainment systems, appliances Modems, routers, switches, hubs, gateways Printers, copiers, scanners, fax machines Broadband, central office, optical, VoIP
Key Suppliers / End Markets	Key Suppliers Altera Texas Instruments, Intel, Infineon, Analog Devices	Key Suppliers Sun Microsystems EMC, Hitachi Data Systems Network Appliance IBM, HP	Key Suppliers Xilinx (10%) Intel Texas Instruments Philips, Infineon, Freescale	Key Suppliers IBM (10%) HP, AMD EMC, Oracle Network Appl, Sun Micro, Symantec	Key End Markets Industrial, Instrumentation & Medical - 19% Networking / Telecommunications - 29% Computing, Storage - 13% Consumer (Display, Mobility, Peripherals) - 26% Aftermarket Services, Auto, Other - 13%
Key Customers	Tellabs, Woodward Cisco, Nortel Jabil, Solectron	GE Medical, Siemens Beckman-Coulter Schlumberger	Celestica, Flextronics, Hon Hai, Jabil, GE, Alcatel Lucent Honeywell, Siemens, Local OEMs	Sirius Computer Systems ASAP software, Logicals McKesson, GE Medical Systems	Cisco, Hewlett-Packard, Nokia > 10% Top Ten (65%) Hewlett-Packard, Phillips, IBM, Nokia
Ratings	Baa3/BBB-		Baa3/BBB-		Ba1/BB+
Operating Highlights (LTM as of)	30-Sep-08		30-Sep-08		31-Aug-08
Revenue	17,090		18,348		12,780
EBITDA	775		828		601
EBITDA Margin	4.5%		4.5%		4.7%
Gross Margin	13.9%		12.9%		6.8%
SG&A as a % of Revenue	9.5%		8.9%		3.8%
R&D as a % of Revenue	0.0%		0.0%		0.3%
Cash Flow Highlights					
Funds from Operations	597		533		405
Working Capital Decrease (Increase)	(42)		(41)		30
Operating Cash Flow	555		492		436
Capex	(148)		(104)		(338)
Dividends	0		0		(59)
Free Cash Flow (FCF)	406		389		39
FCF % of EBITDA	52%		47%		7%
FCF % of Debt	32%		32%		3%
Liquidity & Capitalization					
Cash	243		387		773
RC Availability	750		473		800
Liquidity	993		860		1,573
Total Debt	1,259		1,219		1,243
Net Debt / (Cash)	1,015		832		470
Stockholders' Equity	3,692		4,085		2,723
Market Capitalization	2,341		3,153		1,379
Enterprise Value (EV)	3,356		3,985		1,849
EV / EBITDA	4.3x		4.8x		3.1x
EV / Revenue	0.2x		0.2x		0.1x
Credit Ratios					
EBITDA / Interest	7.6x		12.6x		7.1x
EBITDA-Capex / Interest	6.2x		11.0x		3.1x
Total Debt / EBITDA	1.6x		1.5x		2.1x
Net Debt / EBITDA	1.3x		1.0x		0.8x
Debt / Capital	25%		23%		31%
Debt / EV	38%		31%		67%
Senior Notes	ARW 6.875% due '13		AVT 5.875% due '14		JBL 5.875% due '10
Rating	Baa3 / BBB- / BBB-		Baa3 / BBB- / BBB-		Ba1 / BB+ / BB+
Amount O/S (\$mn)	\$350		\$300		\$300
T-Spread	952bp		826bp		1,067bp
Z-Spread	909bp		769bp		1,031bp
Senior Notes	ARW 7.5% due '27		AVT 6.625% due '16		--
Rating	Baa3 / BBB- / BBB-		Baa3 / BBB- / BBB-		--
Amount O/S (\$mn)	\$200		\$300		--
T-Spread	711bp		983bp		--
Z-Spread	708bp		993bp		--
Credit Default Swaps					
3-yr	185bp		382bp		267bp
5-yr	196bp		390bp		336bp
7-yr	189bp		380bp		354bp
10-yr	186bp		371bp		367bp

Source: Company Reports, J.P. Morgan, Bloomberg. (Bond/CDS Pricing data is the most recent observed in the Market)

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Company Bond Ticker	Cisco CSCO	Corning GLW	Motorola MOT
Products (% of total revs)	Switches (33%) Routers (20%) IP PBX, set-top box, storage networking (30%) Services (17%)	Display Tech - LCD Glass (51%) Telecom - FTTP, optical fiber, cable (30%) Environmental - diesel filters, substrates (13%) Life sciences - laboratory products (6%)	Mobile devices (41%) (<i>handsets</i>) Networks (28%) (<i>incl. wireless/wireline infrastructure & enterprise</i>) Connected home - (31%) (<i>set top boxes, etc</i>)
Key Customers	Enterprise: Fortune 500 Companies AT&T, NTT DoCoMo Sprint, Verizon, China Telecom	AUO, Chi Mei, Sharp, Samsung, LG, Philips Verizon, NTT, AT&T, Deutsche Telekom VW, Peugeot, Renault, ITEC, Volvo, Research Labs	Consumers Government Enterprise
Ratings	A1/A+	Baa1/BBB+	Baa3/BB+
Operating Highlights (LTM as of)	27-Oct-08	31-Dec-08	30-Sep-08
Revenue	40,624	5,948	32,656
EBITDA	12,661	3,345	1,699
EBITDA Margin	31.2%	56.2%	5.2%
Gross Margin	64.7%	46.0%	29.6%
SG&A as a % of Revenue	26.0%	15.1%	14.1%
R&D as a % of Revenue	13.2%	10.5%	12.9%
Cash Flow Highlights			
Funds from Operations	9,631	2,225	-290
Working Capital Decrease (Increase)	1,947	(97)	801
Operating Cash Flow	11,578	2,128	511
Capex	(1,333)	(1,921)	(521)
Dividends	0	(313)	(454)
Free Cash Flow (FCF)	10,245	(106)	(464)
FCF % of EBITDA	81%	-3%	-27%
FCF % of Debt	149%	-7%	-11%
Liquidity & Capitalization			
Cash	26,763	2,816	7,136
RC Availability	2,900	1,125	4,255
Liquidity	29,663	3,941	11,391
Total Debt	6,871	1,527	4,177
Net Debt / (Cash)	(19,892)	(1,289)	(2,959)
Stockholders' Equity	35,059	13,443	14,659
Market Capitalization	98,658	18,512	9,405
Enterprise Value (EV)	78,766	17,223	6,446
EV / EBITDA	6.2x	5.1x	3.8x
EV / Revenue	1.9x	2.9x	0.2x
Credit Ratios			
EBITDA/ Interest	35.9x	41.1x	6.6x
EBITDA-Capex/ Interest	32.1x	17.5x	4.6x
Total Debt / EBITDA	0.5x	0.5x	2.5x
Net Debt / EBITDA	-1.6x	-0.4x	-1.7x
Debt / Capital	16%	10%	22%
Debt / EV	9%	9%	65%
Senior Notes	CSCO 5.25% due '11	GLW 5.9% due '14	MOT 5.375% due '12
Rating	A1 / A+ / NR	Baa1 / BBB+ / BBB+	Baa3 / BB+ / BBB-
Amount O/S (\$mn)	\$3,000	\$200	\$400
T-Spread	283bp	631bp	925bp
Z-Spread	319bp	574bp	898bp
Senior Notes	CSCO 5.5% due '16	GLW 7.25% due '36	MOT 6% due '17
Rating	A1 / A+ / NR	Baa1 / BBB+ / BBB+	Baa3 / BB+ / BBB-
Amount O/S (\$mn)	\$3,000	\$250	\$400
T-Spread	285bp	684bp	843bp
Z-Spread	296bp	704bp	841bp
Credit Default Swaps			
3-yr	94bp	404bp	572bp
5-yr	108bp	404bp	569bp
7-yr	108bp	400bp	535bp
10-yr	111bp	396bp	515bp

Source: Company Reports, J.P. Morgan, Bloomberg. (Bond/CDS Pricing data is the most recent observed in the Market)

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09 February 2009

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Company Bond Ticker	Dell DELL	Hewlett-Packard HPQ	International Business Machines IBM	Lexmark LXX	Pitney Bowes PBI	Seagate STX	Sun Microsystems JAVA	Xerox XRX
Hardware (% of total revs)	PCs - Desktops (29%) PCs - Notebooks (31%) Servers - UNIX based (4%) Storage (17%)	PCs (36%) Printers (27%) Servers - UNIX based, Blade (13%) Storage (4%)	Servers - mainframe, UNIX based (18%) Storage (4%)	Laser & Inkjet Printers Multifunction (MFP) devices All Hardware = 100% <i>Of Total LXX Revenue:</i> Supplies = 68%, Equipment 32%	US Mailing = 37% International Mailing = 19% Production Mail = 10%	HDD - Hard Disk Drives (100%) Desktop (61%) Mobile Computing (15%) Consumer (13%) Enterprise applications (11%)	Servers (Solaris, Linux based) & PCs (47%) Storage (16%)	Laser & Multifunction (MFP) Printers Copiers, Fax, Toners All Hardware = 80% <i>Of Total XRX Revenue:</i> Post Sale = 70%, Equipment 30%
Software	Third party software 10%	Enterprise software Asset management software IT Management Software 3%	Enterprise software Application software 21%		Software = 6%		Solaris operating system Sun Java application systems	Digital printing workflow software
Services	Assessment, Design & Implementation Deployment, Asset Recovery 9%	IT outsourcing (ITO) Infrastructure Services 17%	IT outsourcing (ITO) Business-process outsourcing (BPO) Disaster recovery 57%		Management = 19% Mail = 7% Marketing = 3%		Support, Prof & edu services 37%	Document management services for large enterprises and SMBs 20%
Ratings	A2/A-	A2/A	A1/A+	Baa2~/BBB*	A1/A	/BB-	Ba1/BB+	Baa2/BBB
Operating Highlights (LTM as of)	4-Aug-09	31-Jul-08	31-Dec-08		30-Sep-08	31-Dec-08	30-Sep-08	31-Dec-08
Revenue	64,146	113,054	103,630	4,528	6,373	11,306	13,651	17,608
EBITDA	4,281	14,155	23,223	563	1,554	1,663	1,350	2,230
EBITDA Margin	6.7%	12.5%	22.4%	12.4%	24.4%	14.7%	9.9%	12.7%
Gross Margin	18.2%	24.6%	44.1%	34.8%	52.3%	20.8%	44.6%	39.2%
SG&A as a % of Revenue	11.9%	11.3%	22.6%	9.3%	31.2%	5.6%	28.8%	25.7%
R&D as a % of Revenue	1.0%	3.2%	6.1%	17.3%	3.2%	9.0%	13.3%	5.0%
Cash Flow Highlights								
Funds from Operations	3,442	13,652	17,690	426	700	1,400	883	919
Working Capital Decrease (Increase)	8	1,272	1,102	57	233	53	20	20
Operating Cash Flow	3,450	14,924	18,792	483	933	1,453	903	939
Capex	(781)	(2,779)	(4,506)	(218)	(233)	(1,062)	(556)	(335)
Dividends	0	(806)	(2,616)	(0)	(291)	(183)	0	(154)
Free Cash Flow (FCF)	2,669	11,339	11,670	265	409	208	345	450
FCF % of EBITDA	62%	80%	50%	47%	26%	13%	26%	20%
FCF % of Debt	136%	111%	34%	41%	8%	9%	27%	5%
Liquidity & Capitalization								
Cash	9,033	14,847	12,907	973	481	1,309	2,631	1,229
RC Availability	1,400	19,900	10,000	300	1,500	100	272	1,800
Liquidity	10,433	34,747	22,907	1,273	1,981	1,409	2,903	3,029
Total Debt	1,969	10,219	33,926	654	4,858	2,365	1,259	8,384
Net Debt(Cash)	(7,064)	(4,628)	21,019	(319)	4,376	1,056	(1,372)	7,155
Stockholders' Equity	2,906	38,495	13,465	812	750	4,135	3,762	6,238
Market Capitalization	18,744	87,871	129,739	1,799	5,102	2,129	4,290	6,077
Enterprise Value (EV)	11,680	83,153	150,758	1,480	9,478	3,185	2,918	13,232
EV / EBITDA	2.7x	5.9x	6.5x	2.6x	6.1x	1.9x	2.2x	5.9x
EV / Revenue	0.2x	0.7x	1.5x	0.3x	1.5x	0.3x	0.2x	0.8x
Credit Ratios								
EBITDA/Interest	59.0x	30.0x	15.8x	12.4x	6.2x	13.8x	36.8x	4.0x
EBITDA-Capex/Interest	48.2x	24.1x	12.8x	7.6x	5.3x	5.0x	21.6x	3.4x
Total Debt / EBITDA	0.5x	0.7x	1.5x	1.2x	3.1x	1.4x	0.9x	3.8x
Net Debt / EBITDA	-1.7x	-0.3x	0.9x	-0.6x	2.8x	0.6x	-1.0x	3.2x
Debt / Capital	40%	21%	72%	45%	87%	36%	25%	57%
Debt / EV	17%	12%	23%	44%	51%	74%	63%	63%
Senior Notes	DELL 4.7% due '13	HPQ 4.5% due '13	IBM 5.05% due '12	LXX 5.9% due '13	PBI 3.875% due '13	STX 6.375% due '11	JAVA 7.65% due '09	XRX 5.65% due '13
Rating	A2 / A+ / A	A2 / A / A+	A1 / A+ / A+	Baa2 cw- / BBB cw- / NR	A1 / NR / NR	Ba2 cw- / BB- / BB+	Ba1 / BB+ / BBB-	Baa2 / BBB / BBB
Amount O/S (\$mn)	\$600	\$1,500	\$1,500	\$350	\$375	\$500	\$500	\$400
T-Spread	257bp	360bp	313bp	1069bp	400bp	2039bp	#N/A	1124bp
Z-Spread	215bp	323bp	287bp	1009bp	355bp	2044bp	#N/A	1084bp
Senior Notes	DELL 7.1% due '28	HPQ 5.5% due '18	IBM 5.7% due '17	LXX 6.65% due '18	PBI 4.75% due '18	STX 6.8% due '16		XRX 6.35% due '18
Rating	A2 / A- / A	A2 / A / A+	A1 / A+ / A+	Baa2 cw- / BBB cw- / NR	A1 / A / NR	Ba2 cw- / BB- / BB+		Baa2 / BBB / BBB
Amount O/S (\$mn)	\$300	\$750	\$3,000	\$300	\$350	\$600		\$1,000
T-Spread	468bp	365bp	338bp	1487bp	413bp	1538bp		825bp
Z-Spread	463bp	356bp	333bp	1488bp	401bp	1550bp		819bp
Credit Default Swaps								
3-yr	249bp	61bp	78bp	303bp	90bp	1082bp		373bp
5-yr	257bp	70bp	84bp	363bp	102bp	1099bp		373bp
7-yr	254bp	70bp	85bp	363bp	94bp	1057bp		355bp
10-yr	255bp	72bp	88bp	365bp	91bp	1022bp		335bp

Source: Company Reports, J.P. Morgan, Bloomberg. (Bond/CDS Pricing data is the most recent observed in the Market)

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Company	Agilent	National Semi
Bond Ticker	A	NSM
Ratings	Ba1/BBB-	Baa1/BBB-*
Operating Highlights (LTM as of)	31-Oct-08	24-Aug-08
Revenue	5,774	1,880
EBITDA	1,079	765
EBITDA Margin	18.7%	40.7%
Gross Margin	55.4%	65.1%
SG&A as a % of Revenue	29.4%	17.1%
R&D as a % of Revenue	12.2%	19.1%
Cash Flow Highlights		
Operating Cash Flow	756	611
Capex	(154)	(78)
Dividends	0	(54)
Free Cash Flow (FCF)	602	479
FCF % of EBITDA	56%	63%
FCF % of Debt	28%	33%
Liquidity & Capitalization		
Cash	1,429	693
Total Debt	2,125	1,460
Net Debt / (Cash)	696	767
Stockholders' Equity	2,559	202
Market Capitalization	6,702	2,688
Enterprise Value (EV)	7,398	3,456
EV / EBITDA	6.9x	4.5x
EV / Revenue	1.3x	1.8x
Credit Ratios		
EBITDA / Interest	8.8x	9.1x
EBITDA-Capex / Interest	7.5x	8.2x
Total Debt / EBITDA	2.0x	1.9x
Net Debt / EBITDA	0.6x	1.0x
Debt / Capital	45%	88%
Debt / EV	29%	42%
Senior Notes	A 6.5% due '17	NSM 6.15% due '12
Rating	Ba1 / BBB- / BBB	Baa1 / BBB- cw- / NR
Amount O/S (\$mn)	\$600	\$375
T-Spread	#N/A	725bp
Z-Spread	#N/A	668bp
Senior Notes	--	NSM 6.6% due '17
Rating	--	Baa1 / BBB- cw- / NR
Amount O/S (\$mn)	--	\$375
T-Spread	--	736bp
Z-Spread	--	703bp
Credit Default Swaps		
3-yr	--	--
5-yr	--	--
7-yr	--	--
10-yr	--	--

Source: Company Reports, J.P. Morgan, Bloomberg. (Bond/CDS Pricing data is the most recent observed in the Market)

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Company Bond Ticker	Broadridge Financial BR	Computer Sciences Corporation CSC	Electronic Data Systems EDS	Fiserv, Inc. FISV	Science Applications SAI
Revenue Mix by Service Type	Investor Communications (69%) Securities Processing (26%) Clearing & Outsourcing (5%)	Outsourcing (50%) IT and professional services (50%)	Infrastructure services (56%) Application services (28%) BPO (14%)	Processing and Services (61%) Products (39%)	Provides scientific, engineering, systems integration and technical services to US Govt
Revenue Mix by Customer Type	Financial Services (100%)	Public Services (39%) Financial Services (17%) Manufacturing (16%) Technology & Consumer (16%) Healthcare (6%) Chemical, Energy & Natural Resources (6%)	Commercial (69%) Government (31%)	Financial (70%) Insurance (30%)	Dept. of Defense (69%) Federal Civil (14%) Commercial, State & Local (12%) Other US govt (5%)
Key Customers	Various institutional and retail brokerage firms banks, mutual funds, clearing & trading firms	DuPont, General Dynamics, BAE Sys., Motorola, DoD, US Army, US Navy, Dept. of State	GM, Bank of America, Department of Defense NMCI, Department of Homeland Security	Banks and Thrifts, Credit Unions Insurance companies (Life & Property Casualty)	US Army (21%), US Navy (12%), US Air Force (8%)
Ratings	Baa2/BB+	Baa1/A-	A2/NR	Baa2/BBB	A3/A-
Operating Highlights (LTM as of)	31-Dec-08	30-Sep-08	31-Mar-08	31-Dec-08	31-Jul-08
Revenue	2,228	17,320	22,275	4,763	9,569
EBITDA	421	2,598	2,614	1,296	891
EBITDA Margin	18.9%	15.0%	11.7%	27.2%	9.3%
Gross Margin	26.6%	20.3%	13.7%	36.3%	13.8%
SG&A as a % of Revenue	11.5%	6.1%	8.7%	17.4%	6.4%
R&D as a % of Revenue	0.0%	0.0%	0.0%	0.0%	0.0%
Cash Flow Highlights					
Operating Cash Flow	1272	1780	2050	775	466
Capex	(32)	(1174)	(1199)	(199)	(63)
Dividends	(35)	0	(101)	0	(2)
Free Cash Flow (FCF)	1,205	606	750	576	401
FCF % of EBITDA	286%	23%	29%	44%	45%
FCF % of Debt	372%	16%	23%	14%	36%
Liquidity & Capitalization					
Cash	299	742	2,813	232	692
RC Availability	500	765		789	745
Liquidity	799	1,507		1,021	1,437
Total Debt	324	3,773	3,279	4,105	1,120
Net Debt/(Cash)	25	3,032	466	3,873	428
Stockholders' Equity	764	5,739	9,618	2,594	1,812
Market Capitalization	2,253	6,100	--	5,826	8,189
Enterprise Value (EV)	2,278	9,132	--	9,699	8,617
EV / EBITDA	5.4x	3.5x	--	7.5x	9.7x
EV / Revenue	1.0x	0.5x	--	2.0x	0.9x
Credit Ratios					
EBITDA/ Interest	11.9x	11.4x	10.8x	8.3x	10.8x
EBITDA-Capex/ Interest	11.0x	6.3x	5.9x	7.0x	10.1x
Total Debt / EBITDA	0.1x	1.5x	1.3x	1.6x	0.4x
Net Debt / EBITDA	0.1x	1.2x	0.2x	3.0x	0.5x
Debt / Capital	30%	40%	25%	61%	38%
Debt / EV	14%	41%	--	42%	13%
Senior Notes	BR 6.125% due '17	CSC 7.375% due '11	HPQ 6% due '13	FISV 6.125% due '12	SAI 6.25% due '12
Rating	Baa2 / BB+ / BBB	Baa1 / A- / BBB+	A2 / A / A+	Baa2 / BBB / NR	A3 / A- / NR
Amount O/S (\$mn)	\$125	\$500	\$1,100	\$1,250	\$550
T-Spread	971bp	750bp	390bp	700bp	198bp
Z-Spread	938bp	775bp	344bp	673bp	183bp
Senior Notes	CSC 5% due '13	HPQ 7.45% due '29	FISV 6.8% due '17	SAI 7.125% due '32	
Rating	--	Baa1 / A- / BBB+	A2 / A / A+	Baa2 / BBB / NR	A3 / A- / NR
Amount O/S (\$mn)	--	\$300	\$299	\$500	\$250
T-Spread	--	725bp	--	700bp	243bp
Z-Spread	--	690bp	--	698bp	249bp
Credit Default Swaps					
3-yr	--	91bp	46bp	--	--
5-yr	--	100bp	52bp	--	--
7-yr	--	97bp	54bp	--	--
10-yr	--	99bp	54bp	--	--

Source: Company Reports, J.P. Morgan, Bloomberg. (Bond/CDS Pricing data is the most recent observed in the Market)

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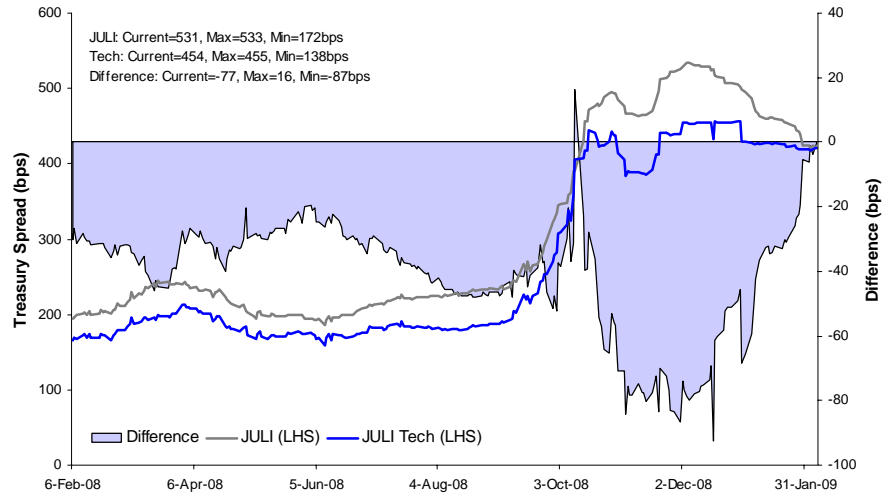
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Company Bond Ticker	CA Inc. CA	Intuit INTU	Oracle ORCL
Key Software Functions	Unifies network, systems, database, apps, and Web infrastructure management Mainframe Solutions Optimizes reliability, flexibility, and capacity Storage Management Manages, protects, and aligns resources, data, & info Security Management Manages security environment	Consumer tax (TurboTax) Professional tax Small Business Accounting (QuickBooks) Payroll and payments for SMB	Application server software (28%) Analytics, Database management & Collaboration software (55%) Consulting (13%) On Demand (3%) Education (1%)
Key Customers	No customer signif. portion of revs Fortune 500 companies-- education, gov't, fin services, healthcare, manuf., retail customers	Consumers Accountants and tax preparers Small-to-median businesses	Large enterprises
Ratings	Ba1/BBB	Baa2/BBB	A2/A
Operating Highlights (LTM as of)	31-Dec-08	31-Oct-08	30-Nov-08
Revenue	4,321	3,107	23,526
EBITDA	1,563	1,062	10,620
EBITDA Margin	36.2%	34.2%	45.1%
Gross Margin	85.6%	81.3%	78.5%
SG&A as a % of Revenue	40.8%	37.3%	23.3%
R&D as a % of Revenue	11.4%	19.1%	11.2%
Cash Flow Highlights			
Funds from Operations	1,308	579	7,952
Working Capital Decrease (Increase)	(200)	213	137
Operating Cash Flow	1,108	792	8,089
Capex	(258)	(264)	(486)
Dividends	(81)	0	0
Free Cash Flow (FCF)	769	528	7,603
FCF % of EBITDA	49%	50%	72%
FCF % of Debt	37%	53%	68%
Liquidity & Capitalization			
Cash	2,369	459	10,646
RC Availability	250	500	5,000
Liquidity	2,619	959	15,646
Total Debt	2,082	998	11,238
Net Debt/(Cash)	(287)	539	592
Stockholders' Equity	4,269	1,954	22,821
Market Capitalization	9,724	7,928	91,083
Enterprise Value (EV)	9,437	8,467	91,675
EV / EBITDA	6.0x	8.0x	8.6x
EV / Revenue	2.2x	2.7x	3.9x
Credit Ratios			
EBITDA/ Interest	14.9x	19.6x	23.8x
EBITDA-Capex/ Interest	12.4x	14.7x	22.7x
Total Debt / EBITDA	1.3x	0.9x	1.1x
Net Debt / EBITDA	-0.2x	0.5x	0.1x
Debt / Capital	32.8%	33.8%	33.0%
Debt / EV	22.1%	11.8%	12.3%
Senior Notes	CA 4.75% due '09	INTU 5.4% due '12	ORCL 4.95% due '13
Rating	Ba1 / BBB / BB+	Baa2 / BBB / NR	A2 / A / A
Amount O/S (\$mn)	\$352	\$500	\$1,250
T-Spread	481bp	563bp	343bp
Z-Spread	421bp	558bp	303bp
Senior Notes	CA 6.125% due '14	INTU 5.75% due '17	ORCL 5.75% due '18
Rating	Ba1 / BBB / BB+	Baa2 / BBB / NR	A2 / A / A
Amount O/S (\$mn)	\$500	\$500	\$2,500
T-Spread	537bp	550bp	365bp
Z-Spread	566bp	551bp	356bp
Credit Default Swaps			
3-yr	--	202bp	--
5-yr	--	231bp	--
7-yr	--	243bp	--
10-yr	--	248bp	--

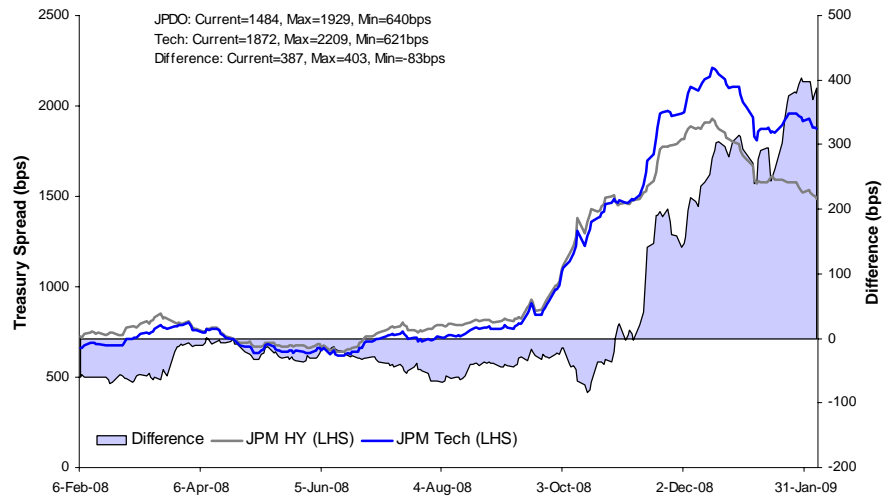
Source: Company Reports, J.P. Morgan, Bloomberg. (Bond/CDS Pricing data is the most recent observed in the Market)

Figure 1: Sector Performance: JULI vs. JULI Technology



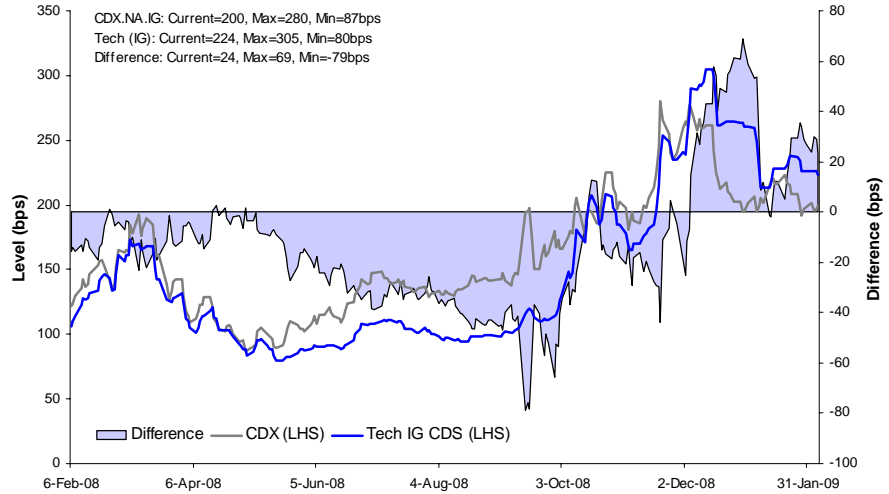
Source: J.P. Morgan.

Figure 2: Sector Performance: JPDO vs. JPDO Technology



Source: J.P. Morgan.

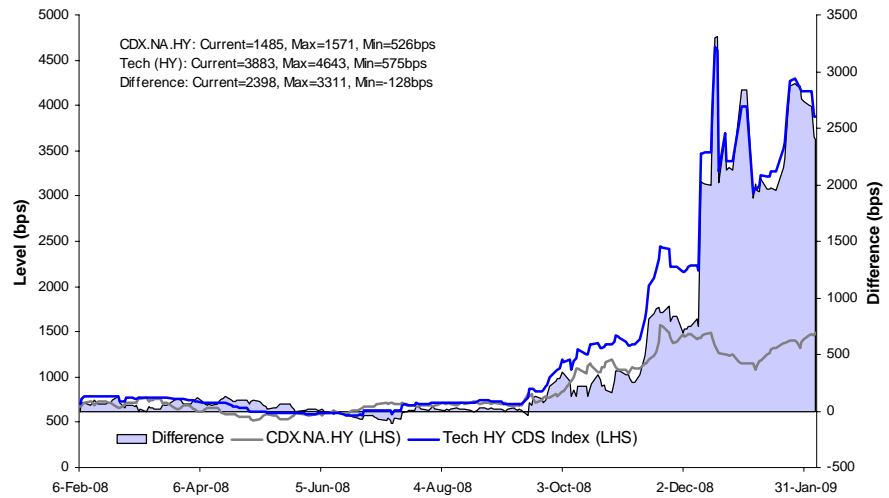
Figure 3: Sector Performance: CDX.IG vs. IG Technology



Source: J.P. Morgan.

High Grade Technology index above includes Arrow (ARW), Avnet (AVT), Computer Sciences (CSC), EDS (EDS), Hewlett Packard (HPQ), IBM (IBM), Motorola (MOT), and Xerox (XRX).

Figure 4: Performance: CDX.HY vs. HY Technology



Source: J.P. Morgan.

High Yield Technology index above includes Amkor (AMKR), Freescale (FSL), Sungard (SDSINC), AMD (AMD), First Data (FDC), Nortel (NT), and Alcatel-Lucent (ALUFP)

Table 1: High Grade Movers

Description	Mid Price	T-Spread	Z-Spread	YTW	Price 30day Change	Tspread 30day Change
SAI 7.125% due '32	115.65	243	249	5.88%	26.71	(270)
NSM 6.15% due '12	92.58	725	668	8.75%	12.87	(508)
NSM 6.6% due '17	81.08	736	703	9.99%	8.89	(216)
CA 6.125% due '14	90.00	537	566	8.33%	7.00	(230)
DELL 4.7% due '13	100.59	257	215	4.54%	3.98	(163)
BMC 7.25% due '18	93.70	539	518	8.23%	2.05	(79)
ARW 7.5% due '27	76.82	711	708	10.37%	1.74	(47)
GLW 5.9% due '14	90.26	631	574	8.28%	1.24	12
CA 4.75% due '09	99.50	481	421	5.38%	0.83	(111)
AVT 5.875% due '14	83.03	826	769	10.23%	0.50	32
DELL 7.1% due '28	91.39	468	463	7.98%	0.17	(26)
ARW 6.875% due '13	84.50	952	909	11.46%	-	(49)
AVT 6.625% due '16	70.50	983	993	12.81%	-	(55)
MOT 5.375% due '12	82.50	925	898	11.20%	-	(45)
MOT 6% due '17	70.50	843	841	11.41%	-	(56)
XRX 5.65% due '13	76.00	1,124	1,084	13.18%	-	(44)
JBL 5.875% due '10	92.59	1,067	1,031	11.65%	(0.62)	45
CSC 7.375% due '11	95.72	750	775	9.45%	(1.03)	0
CSCO 5.25% due '11	100.91	283	319	4.77%	(1.14)	0
INTU 5.4% due '12	94.10	563	558	7.57%	(1.36)	0
CSC 5% due '13	86.18	725	690	9.20%	(1.49)	0
FISV 6.125% due '12	91.11	700	673	8.95%	(1.54)	0
LXK 5.9% due '13	78.66	1,069	1,009	12.45%	(1.72)	37
IBM 5.05% due '12	99.92	313	287	5.07%	(1.90)	0
HPQ 4.5% due '13	96.24	360	323	5.55%	(1.93)	0
PBI 3.875% due '13	92.17	400	355	5.95%	(1.93)	0
SAI 6.25% due '12	107.32	198	183	3.92%	(2.03)	0
ORCL 4.95% due '13	98.44	343	303	5.37%	(2.06)	0
HPQ 6% due '13	100.60	390	344	5.85%	(2.22)	0
XRX 6.35% due '18	72.32	825	819	11.23%	(2.67)	0
FISV 6.8% due '17	81.68	700	698	9.98%	(2.99)	0
STX 6.8% due '16	53.50	1,538	1,550	18.35%	(3.00)	56
INTU 5.75% due '17	84.24	550	551	8.48%	(3.06)	0
CSCO 5.5% due '16	98.12	285	296	5.83%	(3.42)	0
PBI 4.75% due '18	84.21	413	401	7.10%	(3.60)	0
IBM 5.7% due '17	95.71	338	333	6.35%	(3.86)	0
HPQ 5.5% due '18	92.40	365	356	6.63%	(3.87)	0
ORCL 5.75% due '18	94.02	365	356	6.63%	(3.96)	0
BR 6.125% due '17	68.25	971	938	12.34%	(5.50)	85
STX 6.375% due '11	69.50	2,039	2,044	22.25%	(8.00)	470
GLW 7.25% due '36	71.35	684	704	10.43%	(10.94)	90
HPQ 7.45% due '29	94.29	466		8.02%	(13.30)	96
LXK 6.65% due '18	50.00	1,487	1,488	17.85%	(30.00)	731

Source: J.P. Morgan, Bloomberg.
Pricing Data is the most recently observed in the market

Table 2: High Yield Movers

Description	Price	YTW	STW	Z-Spread	Price 30day change
ACS 5.2% due '15	79.00	9.7%	750	688	6.0
AMKR 7.125% due '11	75.50	22.4%	2137	2072	5.0
SRNA 10.375% due '16	58.25	22.4%	1997	1957	4.3
UIS 8.5% due '15	36.00	32.5%	3016	2975	4.0
LPS 8.125% due '16	97.75	8.5%	608	559	3.8
COOPCP 9.5% due '16	52.13	23.6%	2117	2078	3.6
CLS 7.875% due '11	95.50	10.0%	891	823	3.5
CA 6.125% due '14	85.13	9.0%	683	676	2.6
CLS 7.625% due '13	88.00	11.2%	938	870	2.5
SDSINC 4.875% due '14	79.13	10.4%	845	780	2.1
STATSP 6.75% due '11	77.00	17.6%	1636	1567	2.0
CA 4.75% due '09	98.63	6.5%	603	464	1.6
SDSINC 9.125% due '13	86.50	13.2%	1138	1073	0.5
AVATEC 10.125% due '13	81.50	15.7%	1384	1323	0.5
FLEX 6.5% due '13	85.00	11.0%	927	858	0.0
AVATEC 11.875% due '15	74.50	18.6%	1628	1584	0.0
MAGSMI 8% due '14	0.01	250.0%	0		-0.2
FLEX 6.25% due '14	79.00	11.3%	918	856	-1.0
AMKR 7.75% due '13	60.00	22.9%	2120	2054	-1.0
MAGSMI 6.875% due '11	2.00	250.0%	0		-1.3
EK 7.25% due '13	67.00	17.8%	1592	1528	-1.5
STX 6.8% due '16	53.13	18.5%	1598	1555	-1.9
JBL 5.875% due '10	92.00	12.1%	1141	1029	-3.0
AMKR 9.25% due '16	55.13	21.8%	1934	1894	-3.4
SANM 6.75% due '13	49.00	28.9%	2723	2655	-3.5
SENSAT 8% due '14	43.00	30.4%	2843	2788	-3.5
SSNC 11.75% due '13	87.50	15.5%	1362	1302	-3.6
SPSN 11.25% due '16	3.50	250.0%	9999	37501	-3.6
STX 6.375% due '11	68.75	22.8%	2155	2087	-3.8
SANM 8.125% due '16	41.00	27.5%	2509	2468	-3.8
FDC 9.875% due '15	59.50	21.6%	1930	1889	-4.5
NT 6.875% due '23	7.50	90.9%	0		-4.5
NT 7.875% due '26	7.50	102.7%	0		-5.5
ALUFP 6.45% due '29	36.00	18.8%	1548	1567	-6.0
ALUFP 6.5% due '28	36.00	19.1%	1584	1599	-6.0
SDSINC 10.25% due '15	69.00	18.7%	1640	1591	-6.3
NT 10.75% due '16	16.00	70.9%	0		-9.5
NT 10.125% due '13	15.50	85.5%	0		-10.0
FSL 9.125% due '14	13.50	49.4%	4727		-11.5
NXPBV 9.5% due '15	8.38	113.2%	9999	11115	-11.6
AMD 7.75% due '12	36.00	44.3%	4275	4209	-12.0
NXPBV 7.875% due '14	29.00	40.8%	3872	3824	-13.0
FSL 10.125% due '16	21.00	53.0%	5045	5047	-13.5
FSL 8.875% due '14	24.00	49.5%	4738	4699	-20.0

Source: J.P. Morgan, Bloomberg.
Pricing Data is the most recently observed in the market: (c)=convertible; (f)=floater

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"Other Disclosures" last revised January 30, 2009.

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North America Credit Research
09 February 2009

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