













ITSUPPLYCHAINSERVICES

EQUITY OFFERINGS | MERGERS | ACQUISITIONS

TECHNOLOGY SERVICES INVESTMENT BANKING GROUP

- 11 senior-level investment bankers with over 120 years of combined experience; located in Atlanta and Boston
- Services: Mergers & Acquisitions (sell-side & buy-side advisory); Public Equity and Debt Offerings; Private Placements of Equity and Debt; Divestitures; Board Advisory Services; Recapitalizations and Restructurings
- 115+ completed transactions since 2010:
 - 90+ M&A advisory and private placement services transactions representing a total value of over \$5 billion
 - 25+ public equity and debt offerings raising over \$2+ billion in proceeds

SELECT IT SUPPLY CHAIN SERVICES TRANSACTION EXPERTISE

 <p>Has been acquired by</p> 	 <p>Has entered into a strategic business combination with</p> 	 <p>Has been recapitalized by</p> 
 <p>Has been acquired by</p> 	 <p>\$454,537,500 Initial Public Offering</p> <p>Co-Manager</p>	 <p>Has acquired</p>  <p>A portfolio company of</p> 

IT Supply Chain Services	FinTech, Payment and Transaction Processing
Marketing Services	Information Services
Human Capital Management	Capital Markets Technology

SECOND QUARTER 2015

The Raymond James *IT Supply Chain Services Quarterly* is designed to provide business leaders and investors with current market trends and important developments in the technology supply chain. This report contains analysis, statistics and market news on selected companies in the industry, while seeking to deliver unique market insight, relevant sector trends and helpful valuation analyses and metrics.

The technology supply chain is a growing and diverse component of the U.S. economy. It is characterized by attractive public and private equity market fundamentals, high rates of return on invested capital and strong cash flow generation, as well as substantial opportunities for consolidation and growth.

Raymond James & Associates is a subsidiary of Raymond James Financial, Inc. (NYSE: RJF), a nationally recognized, full-service investment banking firm specializing in capital raising, advisory, and merger and acquisition related services.

For recent transactions, trends, news or specific situations, please contact:

JOSEPH H. ESTES

Managing Director
Co-Head of Technology Services
404-442-5801
joe.estes@raymondjames.com

SCOTT GREEN

Vice President
404-442-5843
scott.green@raymondjames.com

DRU RUSHING

Senior Associate
404-442-5809
dru.rushing@raymondjames.com

EQUITY RESEARCH ANALYST COMMENTARY

IT SUPPLY CHAIN

Our 2Q15 quarter survey of IT demand highlights slow to no growth through distribution on a year/year basis, driven by a number of factors: 1) weak PC and consumer sales, 2) ongoing challenges in legacy storage, 3) very little server growth despite Win2003 support expiration, 4) stiff currency headwinds (i.e., euro down 19%), 5) demand pull forward in Europe ahead of price increases and 6) China weakness. We estimate a 6.4% y/y revenue decline in worldwide IT shipments through distribution. However, when adjusting for currency, worldwide sales growth is closer to +2% in constant currency.

In North America, we estimate a modest decline of 0.9% y/y in sales through distribution but a seasonally normal q/q gain of 9%. This foots with major distributor reports that, in aggregate, reflect no growth. Consumer sales are weak, while commercial and public sector sales are more seasonally normal. Our solution provider/reseller survey is more enterprise-focused and is exhibiting moderately better trends than our distribution survey. We estimate a 2.9% increase y/y and a seasonally normal q/q gain of 14.9%. This is slightly ahead of the 2.4% growth pace witnessed in 1Q despite a tougher comparison, and on a two-year basis, growth appears to be at a more normalized pace of 4-5%.

In Europe, we estimate a 2Q y/y decline of 16.7% but a gain of +2.7% when adjusting for currency. This is slower than the 1Q pace of +5.0% in constant currency and reflects some impact from customers pulling demand into 1Q ahead of price increases. According to Context, PC prices alone have risen 6% year to date, and we suspect IT vendors will continue to raise prices and test elasticity of demand, especially as hedges expire. Longer term, a weaker euro could be a boon to European growth and distributor operating leverage, which we think is underappreciated by investors.

By product category, there were few surprises. Commercial PC sales remain weak following the mid-2014 expiration of Windows XP, although we believe the U.S. is seasonal. Servers were mentioned as just ok, with the Windows 2003 expiration as a non-event from multiple participants. However, IBM servers (mainframe and Power) were very strong. Storage was again described as lackluster, with a growing divide between legacy and emerging storage vendors.

Within the supply chain, we favor stocks with domestic and commercial/public sector exposures (CDW) as well as those with very attractive risk/reward ratios (IM). We prefer to allow TECD to report its 2Q, which could be soft in Europe. SNX is trading near our base case scenario and has become more attractive following an 11% pullback. ARW and AVT are also becoming more intriguing, both down 6% year to date and underperforming most semiconductor suppliers. As growth slows, cash flow generation should improve, and those stocks are already trading below median P/E valuations of 8.5x on a P/E basis. Within our EMS coverage universe, we favor JBL given strong growth prospects. Other EMS stocks are likely to be volatile during earnings season, especially given relatively high exposure to the weak telco sector.

BRIAN G. ALEXANDER, CFA

Managing Director
Technology Supply Chain Services

Brian Alexander joined the Raymond James technology research team in 2000 after earning his MBA from the University of Chicago, and was named Director of Technology Research in January 2011. His coverage focuses on the IT hardware & distribution sector and the electronic manufacturing services sector, and he has twice been recognized in The Wall Street Journal Best on the Street survey for his work. He has also been recognized in the StarMine Top Analyst survey and the Forbes Blue Chip Analyst survey. In 2011, Mr. Alexander was first named to the Institutional Investor All-America Research Team and placed second in the Technology Supply Chain category. He was recognized by Institutional Investor again in 2012, 2013, and 2014, for the fourth consecutive year. Previously, Mr. Alexander was an auditor for Deloitte & Touche in Chicago. He graduated with highest honors from the University of Florida, with a dual bachelor's and master's degree in accounting. Mr. Alexander is a CFA charterholder.

Coverage Universe

- Arrow
- Avnet
- Benchmark Electronics
- CDW
- Celestica
- EMC
- Flextronics
- Hewlett-Packard
- Ingram Micro
- Insight
- Jabil Circuit
- Lexmark International
- NetApp
- Nimble Storage
- PC Connection
- Plexus
- Sanmina
- SYNnex
- Tech Data

Additional Research Coverage*

- Accenture
- CSC
- ScanSource
- Unisys

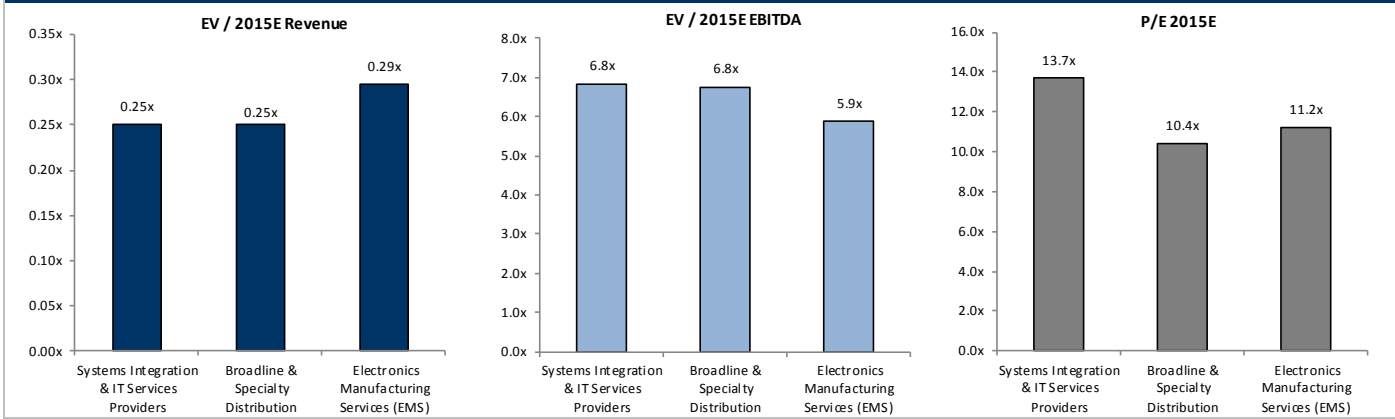
*Accenture, CSC and Unisys covered by IT Services Analyst, Brian Gesuale. ScanSource covered by Chris Quilty, who also maintains coverage of ScanSource's primary suppliers.

Equity Analyst Commentary from "2Q15 IT Demand Survey: Slow Growth Across the Board" dated July 13, 2015. Past performance does not guarantee future results. There is no assurance these trends will continue. The market value of securities fluctuates and you may incur a profit or a loss. This analysis does not include transaction costs which would reduce an investor's return. The Wall Street Journal does not sponsor, endorse or approve the investment programs of Raymond James or its parent, subsidiaries or affiliates.

EQUITY ANALYST RECENT RESEARCH REPORTS

Company	Report	Date
Accenture (ACN)	<i>Top-Line Growth Peeking Out Over FX Headwinds</i>	6/26/2015
SYNNEX (SNX)	<i>Revenue Misses Again, Concentrix Margin Target Delayed; Market Perform</i>	6/25/2015
Insight Enterprises (NSIT)	<i>Downgrading to Underperform as Valuation Reflects Excess Optimism</i>	6/25/2015
SYNNEX (SNX)	<i>2Q Preview: Future Prospects Encouraging, but We Seek Better Entry Point</i>	6/21/2015
Jabil Circuit (JBL)	<i>Strong FY16 Outlook Trumps Near-Term Softness; Maintain Outperform</i>	6/17/2015
Jabil Circuit (JBL)	<i>F3Q Preview: Higher Capex to Drive Strong EPS Growth; Maintain Outperform</i>	6/14/2015
Computer Sciences Corporation (CSC)	<i>SEC Settlement Formally Approved</i>	6/5/2015
Avnet (AVT)	<i>Analyst Day 6/9: Focus on TS Margins and Impact of Supplier Consolidation</i>	6/3/2015
Tech Data (TECD)	<i>Solid Execution Continues But Valuation No Longer Attractive; DG to MP-3</i>	5/28/2015
Nimble Storage (NMBL)	<i>Diamond in the Rough; Raising Estimates; Reiterate SB1</i>	5/26/2015
Hewlett-Packard (HPQ)	<i>Cash Flow Recovery Clouded by Additional Restructuring</i>	5/22/2015
Nimble Storage (NMBL)	<i>Focus Remains on Fibre Channel, New Customers, and 50% Growth</i>	5/21/2015
Computer Sciences Corporation (CSC)	<i>No Prenup: CSC Divorces Government and Commercial Units for the Money</i>	5/20/2015
NetApp (NTAP)	<i>Margin Reset Appropriate, But Too Early to Jump In; Maintain MP3</i>	5/20/2015
Hewlett-Packard (HPQ)	<i>HP Preview: Expect Constructive FCF Commentary; Post-Split Targets at Risk</i>	5/18/2015
NetApp (NTAP)	<i>F4Q15 Preview: Margin Reset Coming? Maintain MP3</i>	5/15/2015
CDW Corporation (CDW)	<i>Soft Sales But No Time to Panic; Maintain MO2</i>	5/7/2015
Insight Enterprises (NSIT)	<i>In-line Results and guidance Don't Support Appreciation; Maintain MP3</i>	5/7/2015
Flextronics International (FLEX)	<i>Analyst Day Highlights Diversification, EPS Power and Capital Return</i>	5/7/2015
Lexmark International (LXK)	<i>Software Strategy Resonates More at Securities Analyst Meeting</i>	5/6/2015
Computer Sciences Corporation (CSC)	<i>F4Q15 Preview: Trimming Estimates for Forex</i>	5/4/2015
Ingram Micro (IM)	<i>Commitment to EPS Target and Buyback Resumption Should Trump Mixed Results</i>	5/4/2015
Lexmark International (LXK)	<i>Key Questions for Lexmark Securities Analyst Meeting</i>	5/4/2015
PCC Connection (PCCC)	<i>Downgrade to Underperform; Decelerating Growth, Challenging Valuation</i>	4/30/2015
Arrow Electronics (ARW)	<i>Solid Results And Guidance; FCF Temporary Setback; Maintain MP3</i>	4/30/2015
Ingram Micro (IM)	<i>Tweaking Estimates Due To Acquisitions And FX; Maintain SB1</i>	4/30/2015
Flextronics International (FLEX)	<i>Soft Revenue, Improving Margins & Interesting Acquisition; Maintain MP3</i>	4/29/2015
Lexmark International (LXK)	<i>Upgrading To MP3; Not Out Of the Woods, But Risk/Reward More Balanced</i>	4/28/2015
Lexmark International (LXK)	<i>Executing Software Rollup Strategy Seems Daunting; Maintain MU4 Rating</i>	4/26/2015
Unisys (UIS)	<i>New CEO Decides It's Time for a Reboot</i>	4/24/2015
Avnet (AVT)	<i>The Song Remains the Same</i>	4/24/2015
Benchmark Electronics (BHE)	<i>Margin Strength Offset by Weak Revenue and Bookings</i>	4/23/2015
Plexus (PLXS)	<i>Strong Growth Offset by Slower Margin Progress; Maintain Outperform</i>	4/23/2015
EMC Corporation (EMC)	<i>Worst Should Be Behind, Operating Leverage Ahead; Takeout Possible</i>	4/22/2015
Celestica (CLS)	<i>Putting Cash to Good Use</i>	4/21/2015
Sanmina-SCI (SANM)	<i>Communications Breakdown, It's Always the Same</i>	4/20/2015
Hewlett-Packard (HPQ)	<i>Investor Meetings Defuse Some Concerns</i>	4/19/2015
Jabil Circuit (JBL)	<i>Growth Prospects Appear Underappreciated; Upgrading to Outperform</i>	4/7/2015
SYNNEX (SNX)	<i>String of Beats Comes to an End Due to Consumer Weakness; Maintain MP3</i>	3/31/2015
Accenture (ACN)	<i>Topline Growth Offset by FX Headwinds</i>	3/27/2015
SYNNEX (SNX)	<i>Expect Solid Results, but Growth Meaningfully Decelerating; Maintain MP3</i>	3/26/2015
Lexmark International (LXK)	<i>Lexmark Throws Bears a Curveball With Kofax Acquisition</i>	3/24/2015
Ingram Micro (IM)	<i>Remain Bullish Following Management Meetings; Compelling Risk/Reward</i>	3/20/2015
Tech Data (TECD)	<i>Results Outlook Reflect Solid Execution; Trimming Estimates; Maintain MO2</i>	3/19/2015
Jabil Circuit (JBL)	<i>Torrid Investment Pace Continues...Will it Pay Off?</i>	3/18/2015
Jabil Circuit (JBL)	<i>Strong Growth/EPS Trend May Trump Customer Concentration/Cash Flow for Now</i>	3/16/2015
Tech Data (TECD)	<i>Reducing Estimates Again Due to Forex, But Long-Term Optimism Remains</i>	3/15/2015
EMC Corporation (EMC)	<i>Meeting Suggests Current Structure Yields Substantial EPS Power</i>	3/10/2015
EMC Corporation (EMC)	<i>Analyst Day Preview: Multiple Ways to Win</i>	3/3/2015
Nimble Storage (NMBL)	<i>Fibre Channel Leads to Higher Revenue Growth; Maintain Strong Buy</i>	2/26/2015
Ingram Micro (IM)	<i>Europe Margin Weakness Overshadows Strong Results Elsewhere; Maintain SB1</i>	2/26/2015
Computer Sciences Corporation (CSC)	<i>Let's Make a Deal</i>	2/23/2015
Nimble Storage (NMBL)	<i>Large Enterprise Success Key to Long-Term Growth; Maintain Strong Buy</i>	2/18/2015
Hewlett-Packard (HPQ)	<i>Split Should Increase Value, But Operating Headwinds Aplenty</i>	2/17/2015
NetApp (NTAP)	<i>Sales Execution/Currency Probably Not the Real Answer to Sales Shortfall</i>	2/11/2015
Insight Enterprises (NSIT)	<i>Awaiting Payoff from Growth Investments; Maintain MP3</i>	2/11/2015

2015E Trading Metrics by Business Model

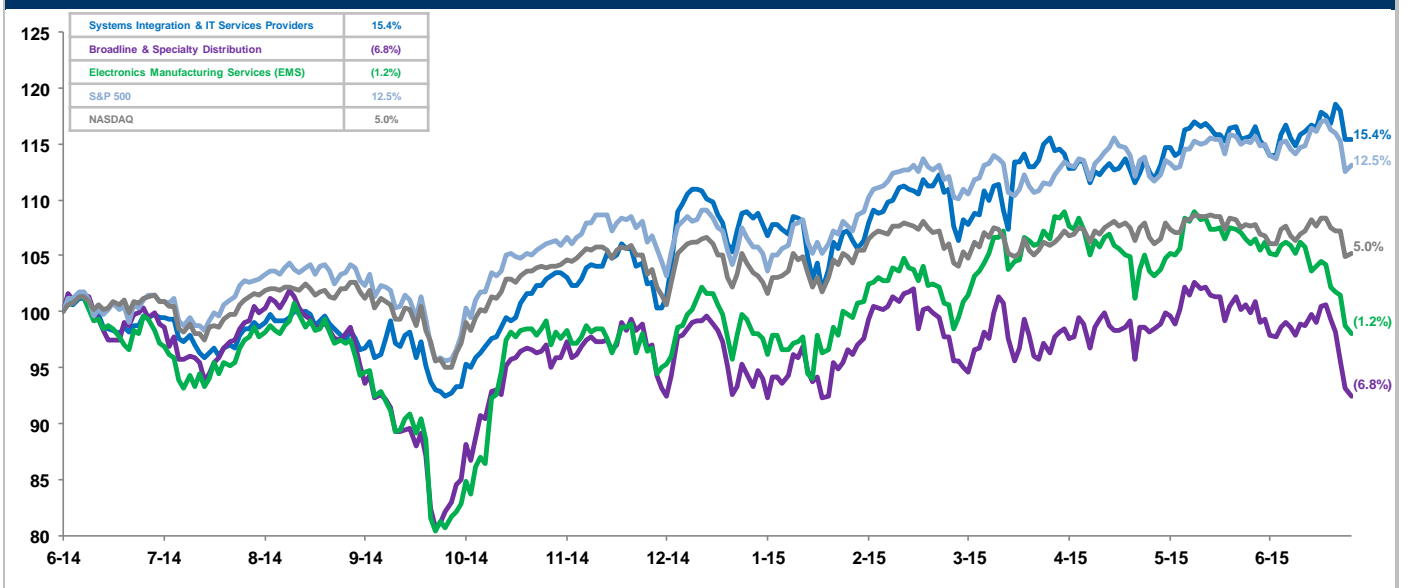


Operating / Trading Statistics

	Systems Integration & IT Services Providers	Broadline & Specialty Distribution	Electronics Manufacturing Services (EMS)
2015E Revenue Growth	3.0%	0.4%	(2.0%)
2016E Revenue Growth	4.0%	4.4%	5.4%
2015E EBITDA Margin	7.3%	3.5%	5.4%
2016E EBITDA Margin	7.8%	3.8%	5.4%
% 52 Week High	84.4%	85.9%	86.6%
Debt / 2014E EBITDA	1.3x	1.6x	1.5x

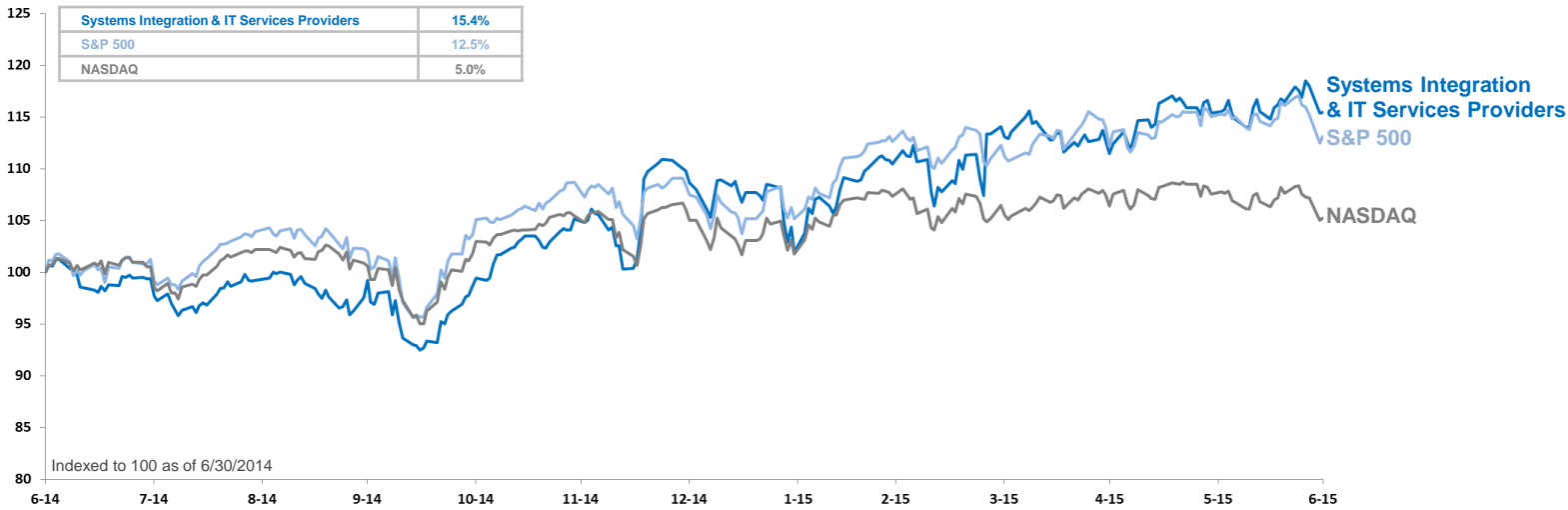
	Systems Integration & IT Services Providers	Broadline & Specialty Distribution	Electronics Manufacturing Services (EMS)
Top 3 Performers, by Stock Performance			
<i>Last Month</i>	PCM, Inc. 3.5%	ScanSource, Inc. (2.2%)	Plexus Corp. (3.5%)
	Systemax Inc. 3.5%	Avnet, Inc. (6.6%)	Benchmark Electronics Inc. (6.3%)
	Insight Enterprises Inc. 2.0%	Ingram Micro Inc. (6.6%)	Flextronics International Ltd. (6.9%)
<i>Last 3 Months</i>	PCM, Inc. 7.4%	Ingram Micro Inc. (0.4%)	Plexus Corp. 7.6%
	Insight Enterprises Inc. 4.9%	Tech Data Corp. (0.4%)	Celestica Inc. 4.9%
	Accenture plc 3.3%	SYNNEX Corp. (5.3%)	Jabil Circuit Inc. (8.9%)
<i>Last 12 Months</i>	ePlus inc. 31.7%	SYNNEX Corp. 0.5%	Flextronics International Ltd. 2.2%
	Accenture plc 19.7%	ScanSource, Inc. (0.1%)	Jabil Circuit Inc. 1.9%
	PC Connection, Inc. 19.6%	Avnet, Inc. (7.2%)	Plexus Corp. 1.4%

1-Year Historical Composite Stock Performance (%) as of 6/30/2015

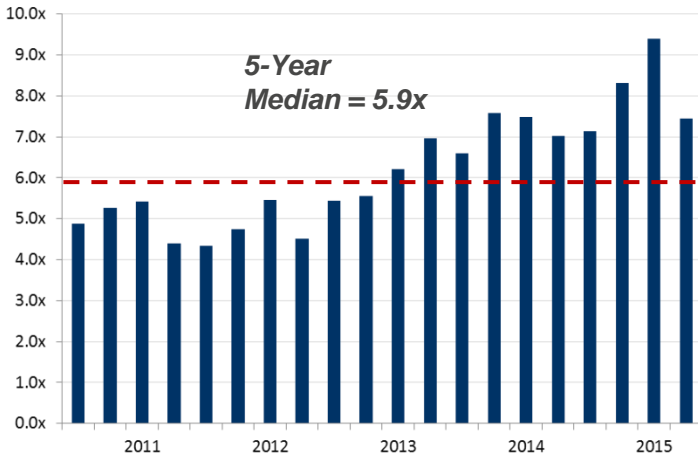


SYSTEMS INTEGRATION & IT SERVICES PROVIDERS

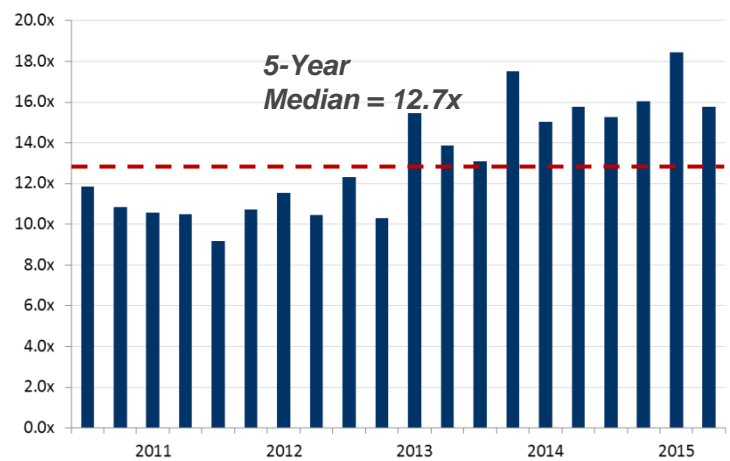
1-Year Historical Stock Performance



Historical TEV / LTM EBITDA Multiples



Historical LTM P/E Multiples



SYSTEMS INTEGRATION & IT SERVICES PROVIDERS: RECENT NEWS AND EVENTS

Date	Company	News
5/19	Computer Sciences Corporation (NYSE: CSC)	<p>Computer Sciences Corp., which provides technology services to companies and government agencies, said it plans to split itself into two publicly traded companies.</p> <p>The Falls Church, Virginia-based company, which has a market value of nearly \$10 billion, also said it would pay a special cash dividend of \$10.50 a share at the completion of the split, which is expected by October. Under its proposal, Computer Sciences will separate its faster-growing government business from its commercial business.</p>
6/2	Insight Enterprises Inc. (NasdaqGS: NSIT)	<p>Technology solution provider Insight Enterprises is shifting gears with a complete corporate rebranding as it looks to position itself as a more modern and forward-thinking business-to-business seller.</p> <p>The Tempe, Arizona-based company believes the brand change will not only help sell the company as a top-tier B2B player but also highlight its emphasis on selling solutions that help enterprises meet the challenges of today's IT landscape. This shift from selling information technology to selling "intelligent technology" serves as the centerpiece for the company's new mantra to "Make Meaningful Connections to Help Businesses Run Smarter," said Ken Lamneck, President and CEO of Insight.</p>

Systems Integration & IT Services Providers Index: ACN, CDW, CSC, DTLK, NSIT, PCCC, PCMI, PLUS, SYX, UIS.

SYSTEMS INTEGRATION & IT SERVICES PROVIDERS: DETAILED VALUATION MULTIPLES AND METRICS

Company	Price 6/30/2015	% of 52 Week High	Market Cap (\$MM)	Total Enterprise Value (\$MM)	TEV		TEV		Market Price		2015 P/E Growth Rate
					2015E Revenue	2016E Revenue	2015E EBITDA	2016E EBITDA	2015E EPS	2016E EPS	
Accenture plc	\$ 96.78	96.3 %	\$ 65,977.1	\$ 62,530.7	2.0 x	1.9 x	12.3 x	11.3 x	20.1 x	18.2 x	1.9
Computer Sciences Corporation	65.64	89.6	9,569.0	10,168.0	0.9	0.9	4.8	4.5	13.7	12.7	1.5
CDW Corporation	34.28	87.2	5,933.9	8,982.5	0.7	0.7	9.3	8.7	12.5	11.4	1.4
Insight Enterprises Inc.	29.91	91.2	1,222.6	1,278.5	0.2	0.2	6.7	6.3	13.8	12.3	NA
Unisys Corporation	19.99	65.2	1,008.6	841.3	0.3	0.3	3.6	3.3	7.3	6.1	NA
ePlus inc.	76.65	83.9	566.7	646.5	0.5	0.5	7.6	NA	13.3	10.8	1.1
PC Connection, Inc.	24.74	83.9	656.6	576.7	0.2	0.2	6.9	6.5	14.5	13.4	NA
PCM, Inc.	10.03	84.9	123.6	204.7	0.1	NA	6.7	NA	19.7	NA	NA
Systemax Inc.	8.64	52.6	320.8	191.0	0.1	0.1	NA	NA	NM	8.9	0.7
Datalink Corporation	8.94	65.1	196.5	178.3	0.2	0.2	NA	NA	10.8	8.8	0.4
Mean					0.5 x	0.5 x	7.2 x	6.8 x	14.0 x	11.4 x	1.2
Median					0.3	0.3	6.8	6.4	13.7	11.4	1.3

SYSTEMS INTEGRATION & IT SERVICES PROVIDERS: SELECTED M&A ACTIVITY

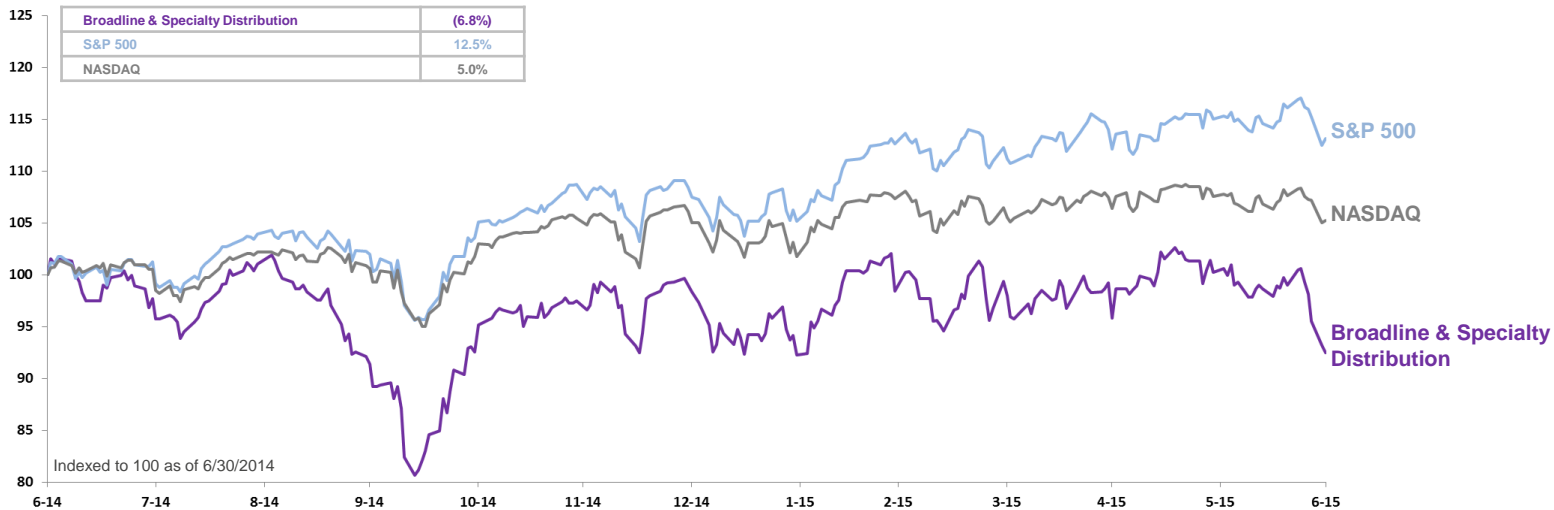
Date Announced	Acquiror	Target	Total Enterprise Value (\$MM)	TEV /		
				Revenue	EBITDA	EBIT
5/6/2015	Accenture plc	Tquila Limited	\$35.8	NA	NA	NA
4/28/2015	Avanade, Inc.	KCS.net Holding AG	NA	NA	NA	NA
4/13/2015	MidCap Equity Partners	MSA Systems Integration, Inc.	NA	NA	NA	NA
4/3/2015	Accenture plc	Axia Limited	NA	NA	NA	NA
3/23/2015	SoftwareONE AG	CompuCom Systems, Inc., Software Licensing Business	NA	NA	NA	NA
3/16/2015	PCM, Inc.	En Pointe Technologies Sales Inc.	15.0	NA	NA	NA
2/25/2015	Computer Sciences Corporation	Autonomic Resources LLC	NA	NA	NA	NA
2/9/2015	Accenture Federal Services	Agilex Technologies, Inc.	NA	NA	NA	NA
1/30/2015	Millstein & Co., L.P.	DLT Solutions, Inc.	NA	NA	7.0 x	NA
1/6/2015	Accenture plc	Structure Consulting Group, LLC	NA	NA	NA	NA
12/1/2014	Apollo Global Management	Presidio Holdings Inc.	1,350.0	NA	NA	NA
11/6/2014	CDW Corporation	Kelway Limited	NA	NA	NA	NA
11/5/2014	Accuvant, Inc.	FishNet Security, Inc.	340.0	0.69 x	8.7	NA
10/30/2014	NTT Com Security AG	InfoTrust AG	NA	NA	NA	NA
10/24/2014	Marlin Equity Partners, LLC	Anexinet Corp.	NA	NA	NA	NA
10/20/2014	Datalink Corporation	BEAR Data Solutions, Inc.	18.5	0.10	NA	NA
9/4/2014	NTT Communications Corporation	Netmagic Solution Pvt. Ltd.	1,249.3	NA	NA	NA
8/18/2014	ePlus Technology, inc.	Evolve Technology Group (Granite Business Solutions, Inc.)	NA	NA	NA	NA
6/9/2014	Accenture plc	PureApps Ltd.	NA	NA	NA	NA
5/15/2014	Accenture plc	Enkitec, LP	NA	NA	NA	NA
5/14/2015	Clearlake Capital Group, LLC	ConvergeOne	320.0	NA	NA	NA
5/1/2014	Systemax Inc.	SCC Services BV	NA	NA	NA	NA
3/11/2014	The Blackstone Group	Accuvant, Inc.	225.0	NA	NA	NA
1/20/2014	Accenture plc	ClientHouse GmbH	NA	NA	NA	NA
11/14/2013	ePlus Inc.	AdviStor, Inc.	NA	NA	NA	NA
10/31/2013	Accenture plc	PCO Innovation Canada Inc.	NA	NA	NA	NA
10/30/2013	Computer Sciences Corporation	ServiceMesh Inc.	295.0	NA	NA	NA
10/28/2013	NTT Communications Corporation	Virtela	525.0	NA	NA	NA
10/28/2013	NTT Communications Corporation	RagingWire Data Centers	437.5	5.10	NA	NA
10/3/2013	Accenture plc	Procurian Inc.	375.0	2.70	20.9	NA
8/12/2013	Accenture plc	PRION GmbH	NA	NA	NA	NA
8/7/2013	Computer Sciences Corporation	Infochimps, Inc.	NA	NA	NA	NA
7/31/2013	Accenture Federal Services	ASM Research, Inc.	NA	NA	NA	NA
6/12/2013	OnX Enterprise Solutions Ltd.	Worknet Inc.	NA	NA	NA	NA
Mean				1.81 x	11.3 x	12.7 x
Median				1.34	8.7	12.7

SYSTEMS INTEGRATION & IT SERVICES PROVIDERS: RECENT TRANSACTION ANNOUNCEMENTS

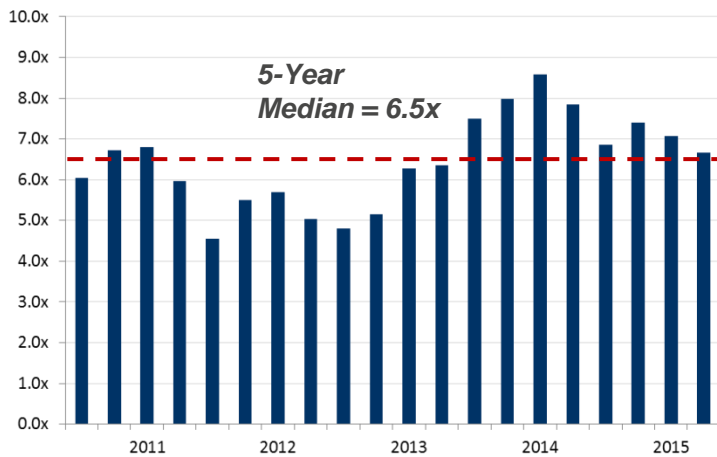
Date	Company	News
4/3	Accenture plc (NYSE: ACN)	Accenture has acquired Axia Limited, a U.S.-based strategy consulting services provider. The acquisition bolsters the capabilities of Accenture Strategy to help clients improve their competitiveness by delivering growth through strategic cost management and organizational agility. Terms of the acquisition were not disclosed. Axia specializes in providing cross-functional strategies and implementation support that help companies become more competitive by addressing their growth and cost challenges concurrently.
4/13	MSA Systems Integration, Inc. (Private)	MidCap Equity Partners announced the acquisition of MSA Systems Integration, Inc. ("MSA"), one of the top systems integrators in North America. MSA is a leading provider of the design, installation, service and maintenance of access control systems, intrusion detection systems, and closed circuit television systems throughout the United States.

BROADLINE & SPECIALITY DISTRIBUTION

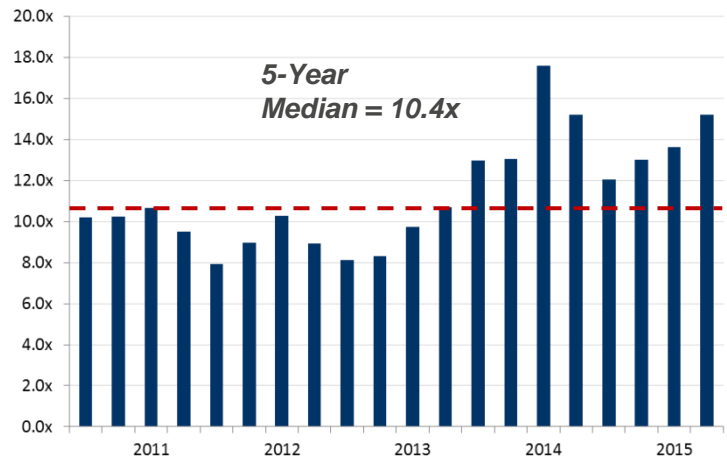
1-Year Historical Stock Performance



Historical TEV / LTM EBITDA Multiples



Historical LTM P/E Multiples



BROADLINE & SPECIALITY DISTRIBUTION: RECENT NEWS AND EVENTS

Date	Company	News
4/14	Tech Data Corp. (NasdaqGS: TECD)	Tech Data announced that Executive Vice President and CFO Jeff Howells has notified the Company of his intent to retire as CFO effective June 5, 2015. He will also retire from the company's Board of Directors at the expiration of his current term following the annual meeting of shareholders in June 2015. Howells has served as the company's CFO since 1992 and as a member of its Board since 1998. Chuck Dannewitz, currently the company's Senior Vice President and CFO, the Americas, has been selected by Tech Data's Board of Directors to succeed Howells as CFO.
6/4	Ingram Micro Inc. (NYSE: IM)	Proofpoint, a leading next-generation security and compliance company, today announced a distribution agreement with Ingram Micro Inc. to provide the entire Proofpoint portfolio of leading security and compliance solutions to the distributor's vast and increasing network of U.S. channel partners. The agreement is an intentional move for Proofpoint to expand its operations in the U.S. Under the terms of the agreement, Ingram Micro's Advanced Solutions organization will market, sell and support Proofpoint's entire portfolio of security and compliance solutions.

Broadline & Specialty Distribution Index: ARW, AVT, IM, SCSC, SNX, and TECD.

BROADLINE & SPECIALITY DISTRIBUTION: DETAILED VALUATION MULTIPLES AND METRICS

Company	Price 6/30/2015	% of 52 Week High	Market Cap (\$MM)	Total Enterprise Value (\$MM)	TEV		TEV		Market Price		2015 P/E Growth Rate
					2015E Revenue	2016E Revenue	2015E EBITDA	2016E EBITDA	2015E EPS	2016E EPS	
Arrow Electronics, Inc.	\$ 55.80	85.9 %	\$ 5,517.4	\$ 7,687.3	0.3 x	0.3 x	7.1 x	6.7 x	9.0 x	8.4 x	NA
Avnet, Inc.	41.11	87.0	5,734.6	7,006.6	0.3	0.2	6.4	5.9	8.9	8.3	NA
Ingram Micro Inc.	25.03	82.2	3,998.6	4,851.4	0.1	0.1	5.8	5.3	9.1	7.9	0.7
SYNNEX Corp.	73.19	85.9	2,871.6	3,386.6	0.3	0.2	7.2	6.6	11.7	10.6	5.3
Tech Data Corp.	57.56	80.7	2,189.2	1,937.9	0.1	0.1	6.0	5.4	12.0	10.9	NA
ScanSource, Inc.	38.06	89.5	1,096.5	1,014.8	0.3	0.3	8.6	7.3	15.1	12.2	1.6
Mean					0.2 x	0.2 x	6.9 x	6.2 x	11.0 x	9.7 x	2.5
Median					0.3	0.2	6.8	6.2	10.4	9.5	1.6

BROADLINE & SPECIALITY DISTRIBUTION: SELECTED M&A ACTIVITY

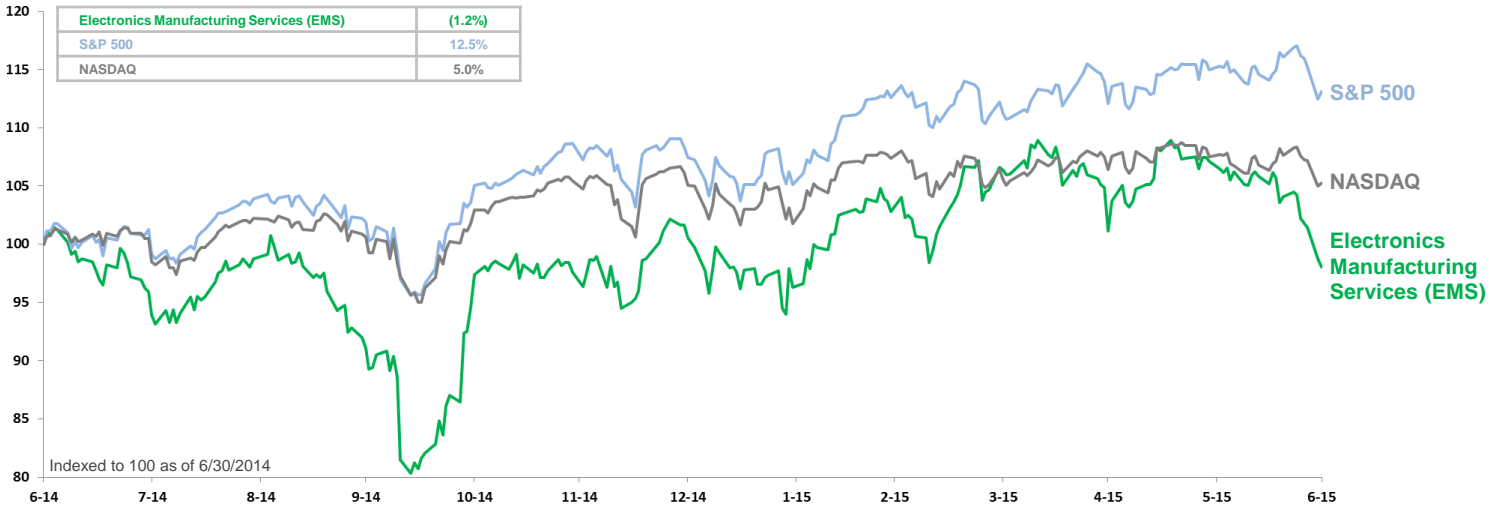
Date Announced	Acquiror	Target	Total Enterprise Value (\$MM)	TEV /		
				Revenue	EBITDA	EBIT
6/22/2015	Ingram Micro Inc.	CANAI (Europe) Limited	NA	NA	NA	NA
6/22/2015	Ingram Micro Inc.	CLARITY Technology Lda.	NA	NA	NA	NA
6/15/2015	Ingram Micro Inc.	Arabian Applied Technology Co., Ltd.	NA	NA	NA	NA
5/27/2015	Tech Data Corp.	Signature Technology Group, Inc.	NA	NA	NA	NA
3/18/2015	Ingram Micro Inc.	Tech Data Corp., Peruvian and Chilean Businesses	NA	NA	NA	NA
3/2/2015	Arrow Electronics, Inc.	immixGroup, Inc.	NA	NA	NA	NA
2/11/2015	Arrow Electronics, Inc.	ATM Electronic Corp.	NA	NA	NA	NA
2/2/2015	Arrow Electronics, Inc.	RD Trading Limited	\$84.1	1.34 x	NA	NA
1/28/2015	Arrow Electronics, Inc.	Data Modul AG	68.2	0.60	7.2 x	7.8 x
1/15/2015	Logicalis Group Limited	PromonLogicalis Latin America Limited	33.4	NA	NA	NA
12/2/2014	Logicalis Group Limited	inforacom Informationssysteme GmbH	\$6.2	NA	NA	NA
11/28/2014	Ingram Micro Inc.	ANOVO SA	NA	NA	NA	NA
10/3/2014	Arrow Electronics, Inc.	Observatory Crest Australia Pty Ltd.	NA	NA	NA	NA
8/21/2014	ScanSource, Inc.	Imago Group PLC	\$40.6	NA	NA	NA
8/18/2014	Arrow Electronics, Inc.	CNT Brasil Distribuidora Ltda.	NA	NA	NA	NA
8/15/2014	ScanSource, Inc.	Intersmart Comércio Importação Exportação de Equipamentos Eletrônicos, S.A.	70.3	NA	NA	NA
6/30/2014	Ingram Micro Inc.	Rollouts Incorporated	NA	NA	NA	NA
5/1/2014	Ingram Micro Inc.	Global Mobility Products, Inc.	NA	NA	NA	NA
11/4/2013	Tech Data Corp.	TDMobility, Inc.	NA	NA	NA	NA
10/28/2013	Ingram Micro Inc.	Shipwire, Inc.	NA	NA	NA	NA
10/18/2013	SoftBank Corp.	Brightstar Corp.	2,210.0	0.32	8.5	12.4
9/30/2013	Ingram Micro Inc.	CloudBlue Technologies, Inc.	NA	NA	NA	NA
9/12/2013	Ingram Micro Inc.	SoftCom Inc.	NA	NA	NA	NA
9/10/2013	SYNNEX Corp.	IBM, Worldwide Customer Care Business Process Outsourcing Services Business	505.0	0.40	NA	NA
8/27/2013	Arrow Electronics, Inc.	ComputerLinks AG	308.0	NA	NA	NA
7/8/2013	Avnet, Inc.	MSC Investoren GmbH	NA	NA	NA	NA
6/10/2013	Avnet, Inc.	Seamless Technologies Inc.	NA	NA	NA	NA
3/20/2013	Avnet Electronics Marketing Asia	RTI Technology China, Eastele Technology, DSP Solutions	NA	NA	NA	NA
3/6/2013	Synnex Canada Limited	Supercom Canada Ltd.	35.4	NA	NA	NA
1/3/2013	Avnet Technology Solutions, Inc.	TSSLink, Inc.	NA	NA	NA	NA
12/17/2012	Arrow Electronics, Inc.	Waching Company Ltd.	NA	NA	NA	NA
12/13/2012	Avnet, Inc.	USI Electronics, Inc.	NA	NA	NA	NA
11/29/2012	Ingram Micro Inc.	Promark Technology Inc.	NA	NA	NA	NA
11/2/2012	Avnet Technology Solutions, Inc.	Genilogix LLC	NA	NA	NA	NA
10/19/2012	Avnet Technology Solutions, Inc.	BrightStar Partners, Inc. and BSP Software LLC	NA	NA	NA	NA
9/5/2012	Tech Data Corp.	Specialist Distribution Group, ETC Metrologie, BestWare France, ETC B.V.	350.0	0.20	NA	NA
9/4/2012	Arrow Electronics, Inc.	Global Link Technology, Inc.	NA	NA	NA	NA
Mean				0.57 x	7.9 x	10.1 x
Median				0.40	7.9	10.1

BROADLINE & SPECIALITY DISTRIBUTION: RECENT TRANSACTION ANNOUNCEMENTS

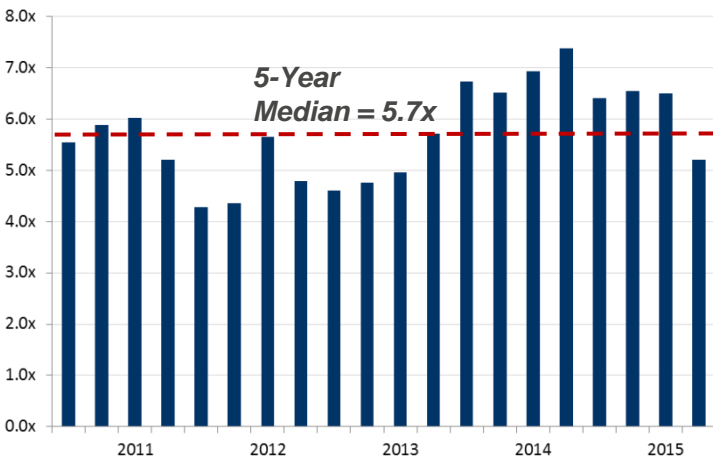
Date	Company	News
5/27	Tech Data Corp. (NasdaqGS: TECD)	Tech Data announced it has entered into an agreement to acquire certain assets of Signature Technology Group, Inc. ("STG"), a leading provider of data center and professional services throughout North America. STG's services will be offered through Tech Data's Advanced Infrastructure Solutions division, the company's data center business in the Americas.
6/15	Ingram Micro Inc. (NYSE: IM)	Ingram Micro announced that it has acquired the business assets of Arabian Applied Technology, the biggest value-added technology distributor in Saudi Arabia. Media reports indicate that Ingram purchased the stake through its Dubai-based subsidiary, Aptec Holdings Ltd. Following the acquisition, the business will operate as Aptec Saudi Arabia and will become a part of Ingram Micro's META region (Middle East, Turkey & Africa). The recent move is in line with its strategy of expanding geographically and building adjacent capabilities. The financial terms of the deal have not been disclosed by the company. However, it expects the acquisition to add roughly \$200 million as revenues annually and be slightly accretive to earnings per share in 2015.

ELECTRONICS MANUFACTURING SERVICES (EMS)

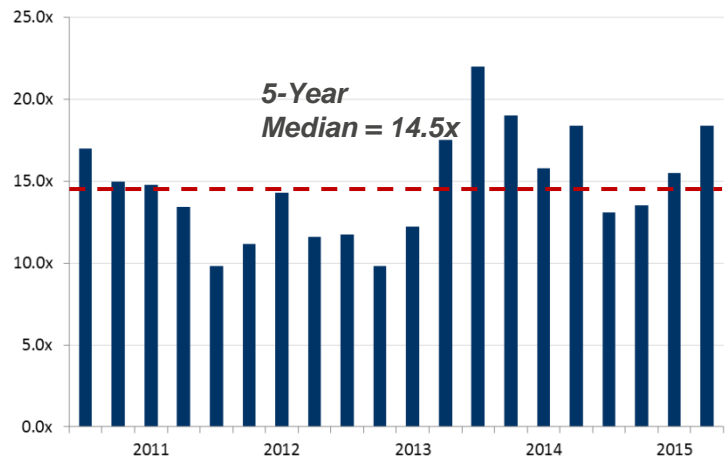
1-Year Historical Stock Performance



Historical TEV / LTM EBITDA Multiples



Historical LTM P/E Multiples



ELECTRONICS MANUFACTURING SERVICES (EMS): RECENT NEWS AND EVENTS

Date	Company	News
4/17	Celestica Inc. (TSX: CLS)	Celestica Inc has reached a \$30 million settlement of a long-running U.S. lawsuit in which shareholders alleged that the Canadian electronics company committed securities fraud by misleading them about its financial health and restructuring costs. The preliminary all-cash settlement was filed on Friday with the U.S. District Court in Manhattan, and requires court approval. It resolves claims that Celestica, former Chief Executive Stephen Delaney and former Chief Financial Officer Anthony Puppi knew they were overstating the company's health.
6/18	Jabil Circuit Inc. (NYSE: JBL)	Jabil Circuit announced that it will be a supplier of solutions based on the Intel Reference Design for Intelligent Vending, including the new Intel IoT Retail Gateway for Intelligent Vending. The innovative new solutions will provide vending machine manufacturers with shorter time to market. "Intelligent vending clearly showcases the latest advances in microcircuits, processors, wireless communications, data storage and transfer, and human interfaces," said Jabil's Roberto Ferri, Vice President of Sales, responsible for global new business development. "We are excited to collaborate with Intel and the intelligent vending manufacturers that want to embrace this new era of automated merchandising.

Electronics Manufacturing Services (EMS) Composite: BHE, CLS, FLEX, JBL, PLXS and SANM.

ELECTRONICS MANUFACTURING SERVICES (EMS): DETAILED VALUATION MULTIPLES AND METRICS

Company	Price 6/30/2015	% of 52 Week High	Market Cap (\$MM)	Total Enterprise Value (\$MM)	TEV		TEV		Market Price		2015 P/E Growth Rate
					2015E Revenue	2016E Revenue	2015E EBITDA	2016E EBITDA	2015E EPS	2016 EPS	
					Flextronics International Ltd.	\$ 11.31	87.9 %	\$ 6,690.5	\$ 7,379.0	0.3 x	
Jabil Circuit Inc.	21.29	85.3	4,153.0	4,880.7	0.3	0.2	4.1	3.8	10.4	8.5	NA
Sanmina Corporation	20.16	77.3	1,749.2	1,812.0	0.3	0.3	5.9	5.6	9.8	8.8	0.5
Celestica Inc.	11.65	89.3	2,078.1	1,508.9	0.3	0.3	5.9	5.3	11.6	9.9	NA
Plexus Corp.	43.88	94.5	1,513.9	1,422.8	0.5	0.5	8.0	7.3	14.2	12.6	NA
Benchmark Electronics Inc.	21.78	83.6	1,174.2	800.0	0.3	0.3	5.2	4.9	13.7	12.6	NA
Mean					0.3 x	0.3 x	5.8 x	5.4 x	11.7 x	10.3 x	0.5
Median					0.3	0.3	5.9	5.5	11.2	9.6	0.5

ELECTRONICS MANUFACTURING SERVICES (EMS): SELECTED M&A ACTIVITY

Date Announced	Acquiror	Target	Total Enterprise Value (\$MM)	TEV /		
				Revenue	EBITDA	EBIT
5/5/2015	Hon Hai Precision Industry Co., Ltd.	Daiwa Associate Holdings Ltd.	\$70.9	0.90 x	NA	NA
5/13/2015	Flextronics Manufacturing S.r.l	Alcatel-Lucent, Optical Transport Manufacturing Plant and Related Assets	NA	NA	NA	NA
4/14/2015	Sparton Corp.	Hunter Technology Corporation	\$68.0	0.80	NA	NA
3/9/2015	Season Group USA, LLC	Xytronics, Ltd.	NA	NA	NA	NA
12/2/2014	Flextronics LAB IX	Knightscope, Inc.	NA	NA	NA	NA
9/22/2014	TTM Technologies Inc.	Viasystems Group Inc.	930.0	0.80	7.2 x	26.8 x
7/17/2014	Key Tronic Corp.	Ayrshire Electronics	46.9	0.40	NA	NA
5/28/2014	Flextronics International Ltd.	Tech Mold, Inc.	NA	NA	NA	NA
5/14/2014	Varitron Technologies Inc.	Altronics Manufacturing Inc.	NA	NA	NA	NA
12/17/2013	iQor Holdings Inc.	Jabil Circuit, Inc., Aftermarket Services Business	725.0	NA	NA	NA
11/20/2013	Jabil Circuit Inc.	Silicon Graphics International Corp., Primary Manufacturing Facility	6.3	NA	NA	NA
10/3/2013	Benchmark Electronics Inc.	CTS Electronics Manufacturing Solutions, Inc.	75.0	0.30	NA	NA
8/28/2013	Flextronics International Ltd.	RIWISA AG	NA	NA	NA	NA
7/1/2013	Nypro, Inc.	Nypro Kánaak, Inc.	34.5	NA	NA	NA
6/6/2013	Benchmark Electronics Inc.	Suntron Corp.	NA	NA	NA	NA
4/24/2013	Flextronics Technology (Penang) Sdn. Bhd.	Classic Advantage Sdn. Bhd., Precision Parts and Components Business	9.7	NA	NA	NA
2/4/2013	Jabil Circuit Inc.	Nypro, Inc.	665.0	0.55	NA	NA
12/10/2012	Flextronics International Ltd.	Motorola Mobility Holdings, Inc., Manufacturing Operations in Tianjin, China	170.6	NA	NA	NA
12/03/2012	Flextronics International Ltd.	Flextronics Automotive USA, Inc.	208.7	0.70	NA	NA
9/11/2012	Flextronics International Ltd.	LightWild L.C.	NA	NA	NA	NA
7/27/2012	Celestica Inc.	D&H Manufacturing Company	70.0	0.88	NA	NA
3/12/2012	Flextronics International Ltd.	Stellar Microelectronics, Inc.	NA	NA	NA	NA
8/25/2011	Jabil Circuit Inc.	Telmar Network Technology, Inc.	128.5	0.89	NA	NA
8/15/2011	Flextronics International Ltd.	Bluemetal Sdn Bhd	NA	NA	NA	NA
4/21/2011	Celestica Inc.	Brooks Automation Inc., Semiconductor Equipment Operations	79.3	0.59	NA	NA
2/22/2011	Jabil Circuit Inc.	Compétence	NA	NA	NA	NA
2/21/2011	Jabil Circuit Inc.	Operations in France and Italy	NA	NA	NA	NA
7/01/2010	Celestica, Inc.	AlliedPanels Entwicklungs- und ProduktionsGmbH	22.9	NA	NA	NA
5/26/2010	24SevenOffice Ltd.	Propartner Defence AS	9.2	NA	NA	NA
5/06/2010	ZAO Optogan	Elcoteq JSC	NA	NA	NA	NA
4/26/2010	Sanmina-SCI Corp.	BreconRidge Corp.	58.2	NA	NA	NA
3/02/2010	Ionics Inc.	Ionics EMS Inc.	24.3	0.34	NA	NA
1/20/2010	API Technologies Corp.	Kuchera Industries, Inc.	29.1	0.45	NA	NA
Mean				0.63 x	7.2 x	26.8 x
Median				0.64	7.2	26.8

ELECTRONICS MANUFACTURING SERVICES (EMS): RECENT TRANSACTION ANNOUNCEMENTS

Date	Company	News
4/14	Sparton Corp. (NYSE: SPA)	Sparton completed an acquisition of Hunter Technology in a \$55 million all-cash transaction, with a \$13 million earn-out payment. The merger is subject to certain and conditional post-closing adjustments. Hunter Technology was founded in 1968 and was one of the first electronic contract manufacturing providers specializing in military and aerospace applications. Today, Hunter is one of the only suppliers in the Silicon Valley region providing engineering design, new product introduction (NPI) and full-rate production manufacturing solutions working with major defense and aerospace companies, test and measurement suppliers, secure networking solution providers, medical device manufacturers, and a wide variety of industrial customers.
5/5	Hon Hai Precision Industry Co., Ltd (TSEC: 2317)	Hon Hai Precision Industry acquired an 88.3% stake in Daiwa Associate Holdings Ltd. (SEHK:1037) for approximately HKD 440 million on April 29, 2015. Hon Hai acquired 385.92 million shares of Daiwa Associate Holdings at HKD 1.14 per share in the transaction. Hon Hai's price was unchanged after the transaction was announced.