

Nome	Classe	País Sede	Bolsa / Fonte	Setor Econômica	EV/EBITDA	EV/EBITDA	EV/EBITDA	EV/EBITDA	EV/EBITDA	EV/EBITDA	EV/EBITDA	EV/EBITDA	EV/EBITDA	EV/EBITDA	EV/EBITDA	Media	Mediana
					emp 31Dez10 Em moeda orig de 12 meses consolid:sim*	emp 31Dez11 Em moeda orig de 12 meses consolid:sim*	emp 31Dez12 Em moeda orig de 12 meses consolid:sim*	emp 31Dez13 Em moeda orig de 12 meses consolid:sim*	emp 31Dez14 Em moeda orig de 12 meses consolid:sim*	emp 31Dez15 Em moeda orig de 12 meses consolid:sim*	emp 31Dez16 Em moeda orig de 12 meses consolid:sim*	emp 31Dez17 Em moeda orig de 12 meses consolid:sim*	emp 31Dez18 Em moeda orig de 12 meses consolid:sim*	emp 17Mai19 Em moeda orig de 12 meses consolid:sim*			
Alico Inc	Com	US	NASDAQ	Agro e Pesca	-	-	-	-	-	-	-	-	-	15,15x	11,33x	13,24x	13,24x
Calavo Growers Inc	Com	US	NASDAQ	Agro e Pesca	-	18,4494382	12,12x	16,35x	-	89,70x	17,10x	15,40x	21,78x	18,62x	22,58x	5,86x	17,10x
Cal-Maine Foods Inc	Com	US	NASDAQ	Agro e Pesca	-	-	7,62x	12,10x	7,58x	3,27x	47,27x	-	34,77x	6,73x	7,80x	7,20x	7,60x
Ceres, Inc	Com	US	NASDAQ	Agro e Pesca	-	-	-	0,33x	0,39x	0,02x	-	-	-	-	-	0,03x	0,02x
Freshpet, Inc	Com	US	NASDAQ	Agro e Pesca	-	-	-	-	579,03x	67,12x	44,31x	63,51x	122,11x	175,36x	175,24x	94,62x	
Limoneira Co	Com	US	NASDAQ	Agro e Pesca	-	83,9490214	45,74x	55,56x	31,27x	34,17x	27,20x	23,34x	25,42x	27,82x	39,39x	31,27x	
Ricebran Technologies	Com	US	NASDAQ	Agro e Pesca	-	-	7,30x	3,34x	8,28x	14,91x	3,28x	3,52x	10,09x	10,55x	7,66x	7,79x	
S&W Seed Co	Com	US	NASDAQ	Agro e Pesca	-	-	558,43x	43,95x	130,95x	7,89x	13,06x	170,61x	94,71x	42,13x	61,15x	17,12x	
Blue Buffalo Pet Product	Com	US	NASDAQ	Alimentos e Beb	-	-	-	-	-	22,76x	20,91x	20,74x	-	-	-	21,47x	20,91x
Bridgford Foods Corp	Com	US	NASDAQ	Alimentos e Beb	-	114,585197	9,20x	14,91x	43,92x	6,56x	6,93x	6,29x	10,28x	-	15,60x	8,07x	
Coca-Cola Consolidated,	Com	US	NASDAQ	Alimentos e Beb	-	-	7,27x	8,47x	8,85x	13,07x	10,83x	11,76x	11,32x	14,74x	10,79x	11,07x	
Craft Brew Alliance, Inc	Com	US	NASDAQ	Alimentos e Beb	-	9,99642618	10,43x	26,75x	18,69x	12,80x	31,53x	26,44x	19,78x	55,28x	23,52x	19,78x	
Farmer Brothers Co	Com	US	NASDAQ	Alimentos e Beb	-	-	14,45x	10,66x	14,84x	20,85x	9,68x	18,74x	17,61x	16,41x	15,40x	15,62x	
Golden Enterprises Inc	Com	US	NASDAQ	Alimentos e Beb	-	-	6,33x	10,05x	9,06x	7,19x	-	-	-	-	8,16x	8,12x	
Hain Celestial Group Inc	Com	US	NASDAQ	Alimentos e Beb	13,5317548	14,2528151	14,72x	20,43x	23,52x	14,63x	36,39x	26,06x	38,81x	54,81x	27,07x	23,52x	
Inventure Foods, Inc	Com	US	NASDAQ	Alimentos e Beb	-	9,52400528	8,84x	19,77x	12,43x	13,34x	34,75x	7,14x	-	-	0,67x	8,84x	
J&J Snack Foods Corp	Com	US	NASDAQ	Alimentos e Beb	-	-	9,09x	11,49x	13,51x	13,70x	15,00x	16,32x	16,24x	18,25x	14,20x	14,35x	
Keurig Green Mountain,	Com	US	NASDAQ	Alimentos e Beb	27,5768829	11,6624396	7,95x	10,64x	17,57x	13,91x	-	-	-	-	12,35x	11,66x	
Kraft Foods Group, Inc	Com	US	NASDAQ	Alimentos e Beb	-	-	11,51x	8,11x	20,06x	-	-	-	-	-	13,23x	11,51x	
Kraft Heinz Co	Com	US	NASDAQ	Alimentos e Beb	-	-	-	-	-	-	18,88x	16,72x	13,61x	11,52x	15,18x	15,16x	
Lancaster Colony Corp	Com	US	NASDAQ	Alimentos e Beb	8,23781341	11,1031706	9,96x	11,95x	13,93x	16,37x	16,73x	18,48x	21,30x	17,73x	15,28x	16,37x	
Landec Corp	Com	US	NASDAQ	Alimentos e Beb	-	-	10,31x	15,23x	14,19x	14,00x	56,19x	19,81x	18,27x	18,18x	6,72x	14,71x	
Lifeway Foods, Inc	Com	US	NASDAQ	Alimentos e Beb	-	22,0155028	12,85x	25,58x	40,85x	24,06x	20,22x	50,08x	89,30x	121,98x	45,21x	25,58x	
Mondelez Intl, Inc	Com	US	NASDAQ	Alimentos e Beb	11,4387609	11,1720377	12,08x	15,13x	17,69x	8,66x	24,74x	18,71x	18,30x	23,48x	16,66x	17,69x	
Monster Beverage Corp	Com	US	NASDAQ	Alimentos e Beb	11,2116764	15,3160892	15,29x	18,05x	22,00x	29,50x	21,95x	27,64x	19,59x	24,55x	21,54x	21,95x	
National Beverage Corp	Com	US	NASDAQ	Alimentos e Beb	-	-	7,77x	11,93x	12,74x	21,86x	16,23x	21,72x	13,80x	10,35x	14,55x	13,27x	
Pilgrims Pride Corp	Com	US	NASDAQ	Alimentos e Beb	6,60532226	-15,907505	7,47x	5,58x	5,83x	5,16x	6,34x	7,28x	7,54x	13,12x	4,71x	6,34x	
Rocky Mountain Chocola	Com	US	NASDAQ	Alimentos e Beb	-	-	-	-	-	-	11,79x	10,56x	8,95x	10,17x	10,37x	10,36x	
Sanderson Farms Inc	Com	US	NASDAQ	Alimentos e Beb	-	-10,58574	7,61x	5,88x	4,03x	3,81x	5,04x	5,23x	14,78x	32,96x	7,64x	5,23x	
Sanfilippo John B & Son I	Com	US	NASDAQ	Alimentos e Beb	-	-	4,17x	5,63x	9,32x	8,62x	11,81x	11,46x	10,10x	13,70x	9,35x	9,71x	
Seneca Foods Corp	Com A	US	NASDAQ	Alimentos e Beb	-	-	6,92x	11,38x	15,32x	6,71x	10,40x	18,06x	55,38x	51,19x	4,72x	8,66x	
Seneca Foods Corp	Com B	US	NASDAQ	Alimentos e Beb	-	-	6,92x	11,38x	15,32x	6,71x	10,40x	18,06x	55,38x	51,19x	4,72x	8,66x	
Snyder'S-Lance, Inc	Com	US	NASDAQ	Alimentos e Beb	-	14,0174969	13,40x	12,52x	15,54x	14,77x	24,28x	43,84x	-	-	19,76x	14,77x	
Synutra Intl, Inc	Com	US	NASDAQ	Alimentos e Beb	-	-	76,43x	14,35x	7,58x	9,25x	26,08x	-	-	-	26,74x	14,35x	
Truett-Hurst, Inc	Com A	US	NASDAQ	Alimentos e Beb	-	-	-	-	17,24x	34,33x	187,93x	58,88x	-	-	19,37x	25,79x	
Willamette Valley Vineya	Com	US	NASDAQ	Alimentos e Beb	-	6,88572692	5,90x	11,29x	8,55x	8,09x	7,13x	6,98x	5,59x	6,70x	7,46x	6,98x	
1 800 Flowers Com Inc	Com A	US	NASDAQ	Comércio	7,60020656	6,22140121	4,83x	7,28x	5,97x	6,49x	12,11x	7,88x	7,79x	14,19x	8,08x	7,28x	
Aceto Corp	Com	US	NASDAQ	Comércio	-	-	8,53x	12,36x	15,25x	10,77x	16,88x	7,53x	1,09x	-	10,03x	10,77x	
Addvantage Technologie	Com	US	NASDAQ	Comércio	-	-	3,77x	10,05x	8,90x	5,25x	10,68x	15,35x	2,80x	2,45x	6,09x	7,07x	
Amazon Com Inc	Com	US	NASDAQ	Comércio	37,2794409	36,8981888	37,13x	43,34x	27,32x	35,85x	27,48x	35,76x	25,81x	29,89x	33,28x	35,76x	
Americas Carmart Inc	Com	US	NASDAQ	Comércio	-	-	4,72x	4,51x	5,13x	2,93x	3,94x	15,32x	12,11x	13,45x	3,93x	4,61x	
Andersons, Inc	Com	US	NASDAQ	Comércio	-	6,86464073	7,04x	12,57x	12,82x	152,06x	16,33x	28,43x	12,06x	17,97x	29,57x	12,82x	
Appliance Recycling Cent	Com	US	NASDAQ	Comércio	-	4,8029746	12,27x	4,98x	3,88x	7,38x	24,05x	4,48x	1,87x	2,79x	1,99x	3,88x	
Ascena Retail Group, Inc	Com	US	NASDAQ	Comércio	-	-	7,51x	7,32x	5,42x	82,46x	4,49x	1,69x	4,69x	4,21x	14,30x	5,06x	
Beacon Roofing Supply Ir	Com A	US	NASDAQ	Comércio	-	-	11,01x	13,75x	12,75x	20,68x	11,48x	18,89x	11,81x	12,11x	14,06x	12,43x	

Bed Bath & Beyond Inc	Com	US	NASDAQ	Comércio	8,02566794	7,50782423	6,65x	8,63x	8,10x	5,23x	4,75x	3,60x	2,33x	9,84x	6,29x	6,65x									
Big 5 Sporting Goods Cor	Com	US	NASDAQ	Comércio	-	-	7,25x	7,05x	8,14x	6,17x	9,03x	5,75x	6,53x	16,15x	8,26x	7,15x									
Blue Nile Inc	Com	US	NASDAQ	Comércio	-	-	25,21x	27,94x	21,82x	20,93x	23,15x	-	-	-	23,81x	23,15x									
BMC Stock Hldg Inc	Com	US	NASDAQ	Comércio	-	-	-	40,30x	15,34x	17,56x	10,55x	11,98x	5,30x	7,39x	15,49x	11,98x									
Bon Ton Stores Inc	Com	US	NASDAQ	Comércio	-	-	8,14x	7,19x	8,31x	9,00x	10,45x	-	-	-	8,62x	8,31x									
Builders Firstsource, Inc	Com	US	NASDAQ	Comércio	-	-15,836997	167,89x	14,36x	16,79x	18,73x	8,62x	10,90x	5,94x	7,46x	26,09x	10,90x									
Cafepress Inc	Com	US	NASDAQ	Comércio	-	-	6,19x	10,80x	-	1,79x	8,53x	-	0,24x	-	0,03x	-	3,91x	3,08x							
Caseys General Stores Inc	Com	US	NASDAQ	Comércio	8,14399576	8,36461593	8,45x	9,18x	10,83x	9,97x	9,97x	10,41x	11,54x	11,25x	10,00x	9,97x									
CDW Corp	Com	US	NASDAQ	Comércio	-	-	-	9,76x	10,03x	10,59x	10,51x	12,14x	12,10x	14,38x	11,36x	10,59x									
Central European Distrib	Com	US	NASDAQ	Comércio	-420,52746	-1,6105403	-	4,82x	-	-	-	-	-	-	-	3,21x	-	3,21x							
Central Garden & Pet Co	Com	US	NASDAQ	Comércio	-	-	8,92x	9,63x	8,25x	8,15x	10,90x	11,66x	10,03x	9,84x	9,67x	9,74x									
Central Garden & Pet Co	Com A	US	NASDAQ	Comércio	-	-	8,92x	9,63x	8,25x	8,15x	10,90x	11,66x	10,03x	9,84x	9,67x	9,74x									
Charming Shoppes Inc	Com	US	NASDAQ	Comércio	68,9741214	9,22425544	-	-	-	-	-	-	-	-	9,22x	9,22x									
Chefs' Warehouse, Inc	Com	US	NASDAQ	Comércio	-	12,8460728	13,77x	19,24x	17,03x	12,46x	10,58x	13,49x	16,11x	19,08x	14,96x	13,77x									
Childrens Place, Inc	Com	US	NASDAQ	Comércio	5,46185023	5,52433453	5,30x	6,98x	7,15x	6,43x	8,35x	10,34x	6,49x	9,20x	7,31x	6,98x									
Citi Trends Inc	Com	US	NASDAQ	Comércio	-	-	13,64x	10,50x	11,04x	5,82x	6,09x	7,65x	4,25x	3,50x	7,81x	6,87x									
Coffee Holding Co Inc	Com	US	NASDAQ	Comércio	-	24,9018034	7,76x	-	28,33x	3,60x	-	18,41x	7,13x	15,63x	6,86x	9,35x	3,17x	7,13x							
Coldwater Creek Inc	Com	US	NASDAQ	Comércio	6,47647961	-2,4726825	-	19,38x	-	2,83x	-	-	-	-	-	8,23x	-	2,83x							
Conns Inc	Com	US	NASDAQ	Comércio	-	-	13,38x	20,19x	8,79x	12,06x	13,95x	14,70x	7,76x	8,29x	12,39x	12,72x									
Cool Hldg Inc	Com	US	NASDAQ	Comércio	-	1,11585116	-	1,80x	-	21,92x	39,15x	-	24,26x	-	1,44x	-	0,98x	-	0,98x	-	1,42x	-	1,39x	-	1,42x
Copart Inc	Com	US	NASDAQ	Comércio	9,80605716	10,7403931	11,54x	14,71x	13,58x	11,91x	14,49x	19,20x	16,16x	21,53x	14,87x	14,49x									
Core-Mark Holding Comp	Com	US	NASDAQ	Comércio	-	7,63436935	7,65x	9,77x	15,05x	15,74x	17,58x	21,29x	10,83x	16,19x	13,53x	15,05x									
Cost Plus Inc	Com	US	NASDAQ	Comércio	22,3425409	9,83748323	-	-	-	-	-	-	-	-	9,84x	9,84x									
Cui Global, Inc	Com	US	NASDAQ	Comércio	-	40,1178173	-	51,58x	34,73x	86,81x	-	59,96x	-	40,72x	-	6,69x	-	2,81x	-	2,79x	-	0,32x	-	2,81x	
Destination Maternity Cc	Com	US	NASDAQ	Comércio	-	-	5,59x	7,42x	6,94x	-	7,09x	25,81x	18,92x	11,41x	11,88x	7,42x									
Destination XI Group, Inc	Com	US	NASDAQ	Comércio	-	-	48,75x	20,80x	56,30x	13,52x	10,33x	7,88x	9,50x	8,51x	21,95x	11,93x									
Dollar Tree Inc	Com	US	NASDAQ	Comércio	9,21305497	10,9652262	8,98x	10,75x	12,29x	19,06x	10,75x	12,52x	9,78x	-	106,27x	-	1,24x	-	10,75x						
Duluth Hldg Inc	Com B	US	NASDAQ	Comércio	-	-	-	-	-	-	23,87x	17,62x	19,79x	11,77x	18,27x	18,71x									
Dxp Enterprises Inc	Com	US	NASDAQ	Comércio	-	8,65278569	8,51x	14,91x	50,89x	126,92x	16,13x	11,69x	7,15x	9,01x	28,21x	11,69x									
Educational Developmen	Com	US	NASDAQ	Comércio	-	-	-	-	-	-	-	-	-	8,29x	8,02x	8,16x	8,16x								
Empire Resources Inc	Com	US	NASDAQ	Comércio	-	-	12,20x	14,91x	17,88x	17,81x	19,89x	-	-	-	16,54x	17,81x									
Eplus Inc	Com	US	NASDAQ	Comércio	-	-	-	6,28x	6,74x	7,28x	8,38x	10,34x	9,46x	11,59x	8,58x	8,38x									
Essendant Inc	Com	US	NASDAQ	Comércio	-	8,03194128	7,31x	9,40x	9,26x	23,97x	8,31x	-	4,12x	137,75x	-	24,99x	8,78x								
Evine Live Inc	Com	US	NASDAQ	Comércio	-18,628263	11,4803093	-	15,23x	127,28x	62,37x	52,31x	16,65x	11,66x	12,84x	-	9,77x	29,95x	12,84x							
Express Scripts Holding C	Com	US	NASDAQ	Comércio	13,1334447	9,43364489	12,28x	11,43x	12,64x	10,68x	7,58x	7,67x	8,67x	-	10,05x	10,06x									
Ezcorp Inc	Com A	US	NASDAQ	Comércio	-	-	5,73x	5,29x	9,35x	21,45x	9,78x	8,85x	5,00x	5,29x	8,85x	7,29x									
Fastenal Co	Com	US	NASDAQ	Comércio	18,4141236	20,5533532	18,89x	18,07x	16,36x	13,18x	15,40x	15,87x	13,49x	16,00x	16,42x	16,00x									
Fenix Parts, Inc	Com	US	NASDAQ	Comércio	-	-	-	-	-	-	5,68x	-	1,85x	-	-	-	3,77x	-	3,77x						
Finish Line Inc	Com	US	NASDAQ	Comércio	5,25475036	5,27675725	5,07x	8,80x	6,53x	5,65x	8,78x	7,16x	-	-	6,75x	6,53x									
Firstcash, Inc	Com	US	NASDAQ	Comércio	-	8,27205872	10,85x	13,75x	11,67x	9,94x	18,28x	13,10x	13,30x	17,17x	12,93x	13,10x									
Five Below, Inc	Com	US	NASDAQ	Comércio	-	-	-	39,69x	27,43x	17,46x	16,64x	21,64x	25,84x	29,19x	25,41x	25,84x									
Foster L B Co	Com A	US	NASDAQ	Comércio	-	4,9166165	9,64x	8,22x	9,61x	-	11,10x	-	2,30x	10,48x	-	95,94x	127,79x	6,81x	8,22x						
Francesca'S Hldg Corp	Com	US	NASDAQ	Comércio	-	-	15,01x	8,44x	9,47x	10,55x	7,49x	3,83x	3,03x	-	1,07x	7,09x	7,97x								
Freds Inc	Com A	US	NASDAQ	Comércio	7,1744118	6,39646419	5,74x	7,86x	50,02x	26,33x	-	73,83x	-	3,60x	-	0,85x	2,26x	6,07x							
Fresh Market, Inc	Com	US	NASDAQ	Comércio	-	-	16,41x	12,29x	14,72x	6,46x	-	-	-	-	12,47x	13,51x									
FTD Companies, Inc	Com	US	NASDAQ	Comércio	-	-	-	11,71x	15,02x	64,61x	147,62x	-	1,53x	-	1,18x	-	1,10x	33,59x	11,71x						
Gordmans Stores, Inc	Com	US	NASDAQ	Comércio	-	-	5,41x	6,29x	7,34x	6,64x	25,14x	-	-	-	10,16x	6,64x									
Hawkins Inc	Com	US	NASDAQ	Comércio	-	-	10,58x	8,68x	9,94x	11,45x	12,17x	8,93x	30,34x	27,63x	14,97x	11,02x									
Hd Supply Hldg Inc	Com	US	NASDAQ	Comércio	-	-	-	-	13,41x	11,98x	14,21x	12,34x	10,74x	11,48x	12,36x	12,16x									
Henry Schein Inc	Com	US	NASDAQ	Comércio	9,50839813	8,76164927	10,06x	12,55x	13,96x	15,51x	14,20x	11,84x	14,42x	12,65x	12,66x	12,65x									

Hibbett Sports Inc	Com	US	NASDAQ	Comércio	-	-	10,45x	12,67x	8,86x	4,84x	6,30x	4,00x	2,39x	4,99x	6,81x	5,64x
Hot Topic Inc	Com	US	NASDAQ	Comércio	5,63966779	12,113195	5,78x	-	-	-	-	-	-	-	8,94x	8,94x
Houston Wire & Cable Co	Com	US	NASDAQ	Comércio	-	8,13839432	8,69x	14,56x	9,40x	14,71x	48,35x	26,50x	9,55x	11,39x	6,06x	9,55x
Hsn, Inc	Com	US	NASDAQ	Comércio	-	7,327994	10,10x	10,29x	12,28x	9,83x	9,02x	10,45x	-	-	9,90x	10,10x
Hudson Technologies Inc	Com	US	NASDAQ	Comércio	-	12,2091319	6,52x	14,79x	1.231,44x	11,69x	13,63x	22,29x	4,81x	6,69x	141,28x	11,69x
Huttig Building Products	Com	US	NASDAQ	Comércio	-	-8,6752773	-	17,06x	12,76x	8,16x	8,40x	54,96x	41,10x	87,37x	27,64x	14,91x
IAC/Interactivecorp	Com	US	NASDAQ	Comércio	11,8353002	9,83803634	9,72x	10,44x	10,09x	13,75x	44,91x	34,06x	23,87x	31,24x	20,88x	13,75x
Industrial Services Of Am	Com	US	NASDAQ	Comércio	-	1050,44567	8,59x	5,63x	18,86x	1,61x	28,91x	9,20x	5,92x	11,87x	112,65x	1,61x
Ingles Markets Inc	Com A	US	NASDAQ	Comércio	-	-	5,87x	7,20x	7,34x	7,64x	7,85x	6,48x	5,87x	5,89x	6,77x	6,84x
Innophos Hldg Inc	Com	US	NASDAQ	Comércio	-	6,43411105	7,60x	9,96x	9,49x	8,32x	9,79x	11,49x	7,42x	9,46x	8,89x	9,46x
Insight Enterprises Inc	Com	US	NASDAQ	Comércio	3,5648267	3,53389124	3,71x	5,54x	5,59x	5,07x	6,81x	7,11x	5,54x	6,94x	5,54x	5,54x
Jewett Cameron Trading	Com	US	NASDAQ	Comércio	-	-	-	-	-	-	-	6,22x	5,54x	7,80x	6,52x	6,22x
Kirkland'S, Inc	Com	US	NASDAQ	Comércio	-	-	4,71x	9,67x	9,66x	5,25x	5,41x	3,93x	3,25x	0,27x	5,27x	4,98x
Lands' End, Inc	Com	US	NASDAQ	Comércio	-	-	-	-	-	8,83x	21,47x	8,33x	11,95x	10,80x	0,36x	8,83x
Lawson Products Inc	Com	US	NASDAQ	Comércio	-	-	3,07x	41,55x	62,73x	19,03x	31,38x	14,16x	17,80x	18,85x	25,30x	18,94x
Lazydays Hldg Inc	Com	US	NASDAQ	Comércio	-	-	-	-	-	-	-	-	1,92x	7,19x	4,56x	4,56x
LKQ Corp	Com	US	NASDAQ	Comércio	11,0838809	12,7195835	14,43x	17,91x	13,25x	12,67x	12,93x	14,56x	9,80x	11,58x	13,32x	12,93x
Mgp Ingredients Inc	Com	US	NASDAQ	Comércio	-	-	8,86x	16,59x	9,83x	10,29x	16,29x	24,11x	16,07x	19,08x	15,14x	16,18x
Michaels Companies, Inc	Com	US	NASDAQ	Comércio	-	-	-	-	-	9,17x	8,22x	8,42x	6,43x	5,93x	7,64x	8,22x
Natural Health Trends Co	Com	US	NASDAQ	Comércio	-	2,76074481	2,69x	5,06x	4,86x	6,35x	2,40x	0,85x	2,27x	0,29x	3,06x	2,69x
Nexeo Solutions, Inc	Com	US	NASDAQ	Comércio	-	-	-	-	-	-	-	8,85x	9,38x	-	9,11x	9,11x
Nutri System Inc	Com	US	NASDAQ	Comércio	8,47485507	10,7588695	33,64x	22,45x	14,38x	12,53x	14,64x	15,31x	13,45x	-	17,14x	14,51x
O Reilly Automotive Inc	Com	US	NASDAQ	Comércio	9,9378033	10,3397366	9,60x	11,62x	14,10x	15,22x	14,61x	11,92x	14,91x	15,74x	13,12x	14,10x
Office Depot Inc	Com	US	NASDAQ	Comércio	9,36028613	2,92473014	5,36x	324,80x	111,94x	6,82x	3,95x	6,03x	5,03x	7,95x	52,76x	6,03x
Ollie'S Bargain Outlet Hld	Com	US	NASDAQ	Comércio	-	-	-	-	-	-	17,60x	25,03x	24,88x	35,03x	25,64x	24,96x
Olympic Steel Inc	Com	US	NASDAQ	Comércio	-	-	11,71x	11,88x	34,88x	34,69x	17,09x	10,10x	6,00x	7,14x	8,01x	10,91x
Overstock.Com, Inc	Com	US	NASDAQ	Comércio	-	-97,077746	8,57x	18,75x	13,39x	6,32x	8,39x	101,24x	1,61x	1,82x	16,26x	6,32x
Pacific Sunwear Of Califo	Com	US	NASDAQ	Comércio	-11,55824	-2,5223734	51,83x	34,89x	38,91x	25,88x	-	-	-	-	9,07x	25,88x
Patterson Companies, Inc	Com	US	NASDAQ	Comércio	9,53215683	8,87397223	10,04x	11,80x	12,82x	13,55x	11,77x	12,46x	11,41x	12,81x	11,73x	11,80x
Pc Connection Inc	Com	US	NASDAQ	Comércio	-	5,52189024	4,32x	9,14x	7,35x	5,92x	7,66x	7,31x	7,05x	8,02x	6,92x	7,31x
Pcm, Inc	Com	US	NASDAQ	Comércio	-	8,74670941	6,90x	8,23x	7,01x	24,79x	8,08x	13,95x	6,07x	8,07x	4,70x	8,07x
Perfumania Hldg Inc	Com	US	NASDAQ	Comércio	-	-	46,13x	34,81x	15,89x	21,70x	64,81x	-	-	-	4,29x	15,89x
Petiq, Inc	Com A	US	NASDAQ	Comércio	-	-	-	-	-	-	-	26,67x	35,00x	30,70x	30,79x	30,70x
Petmed Express Inc	Com	US	NASDAQ	Comércio	-	-	6,49x	10,04x	8,64x	8,84x	12,01x	16,49x	7,10x	5,60x	9,40x	8,74x
Petsmart Inc	Com	US	NASDAQ	Comércio	7,73634181	8,32752907	9,02x	8,32x	8,99x	-	-	-	-	-	8,67x	8,66x
Pool Corp	Com	US	NASDAQ	Comércio	11,6321108	12,1958251	13,91x	16,15x	14,95x	16,09x	17,02x	18,37x	19,41x	23,84x	16,88x	16,15x
Presidio, Inc	Com	US	NASDAQ	Comércio	-	-	-	-	-	-	-	-	10,72x	10,72x	10,72x	10,72x
Pricesmart Inc	Com	US	NASDAQ	Comércio	11,9070038	18,1965593	16,95x	22,40x	16,15x	13,52x	13,70x	14,51x	10,45x	9,44x	15,04x	14,51x
Primo Water Corp	Com	US	NASDAQ	Comércio	-	-57,999814	0,62x	12,36x	33,08x	15,43x	55,31x	15,84x	40,66x	31,74x	0,11x	12,36x
Rave Restaurant Group, I	Com	US	NASDAQ	Comércio	-	-	23,12x	77,70x	201,40x	29,74x	2,23x	13,28x	-	-	50,21x	21,51x
Real Industry, Inc	Com	US	NASDAQ	Comércio	-	-	-	-	-	9,09x	51,35x	-	-	-	21,13x	21,13x
Richardson Electronics Lt	Com	US	NASDAQ	Comércio	-	-	7,39x	41,42x	4,36x	0,20x	4,02x	11,64x	9,52x	5,20x	8,32x	6,29x
Rlj Entertainment, Inc	Com	US	NASDAQ	Comércio	-	-	-	2,34x	2,02x	4,80x	1,14x	2,46x	-	-	2,55x	2,34x
Ross Stores Inc	Com	US	NASDAQ	Comércio	6,69026708	8,91633293	8,36x	10,09x	11,70x	11,58x	12,46x	13,36x	12,33x	14,63x	11,49x	11,70x
Rush Enterprises Inc	Com A	US	NASDAQ	Comércio	-	9,32787014	8,26x	10,95x	9,43x	9,04x	10,48x	10,93x	7,50x	7,82x	9,30x	9,33x
Rush Enterprises Inc	Com B	US	NASDAQ	Comércio	-	9,32787014	8,26x	10,95x	9,43x	9,04x	10,48x	10,93x	7,50x	7,82x	9,30x	9,33x
Scansource, Inc	Com	US	NASDAQ	Comércio	-	-	8,06x	16,54x	7,95x	7,88x	10,32x	11,88x	9,75x	8,83x	10,15x	9,29x
Schnitzer Steel Industries	Com A	US	NASDAQ	Comércio	-	6,57651094	9,32x	4,91x	9,30x	4,02x	18,14x	8,46x	3,78x	4,27x	5,66x	6,58x
Sears Hldg Corp	Com	US	NASDAQ	Comércio	7,73330981	9,68868891	83,70x	14,27x	9,20x	29,15x	3,32x	9,34x	-	-	19,90x	9,34x
Sears Hometown & Outle	Com	US	NASDAQ	Comércio	-	-	-	8,16x	2,46x	1.184,89x	6,60x	1,90x	4,79x	7,15x	171,38x	4,79x

Sg Blocks, Inc	Com	US	NASDAQ	Comércio	-	-	-	-	-	-	-	8,79x	2,39x	1,16x	4,11x	2,39x
Shoe Carnival Inc	Com	US	NASDAQ	Comércio	-	-	5,51x	8,64x	8,54x	6,16x	6,66x	7,21x	6,74x	6,00x	6,93x	6,70x
Sigma Aldrich Corp	Com	US	NASDAQ	Comércio	12,4901465	9,79891678	11,08x	13,63x	19,48x	-	-	-	-	-	13,50x	12,36x
Spartannash Company	Com	US	NASDAQ	Comércio	-	-	-	13,64x	9,05x	-	10,05x	78,48x	8,38x	7,86x	4,92x	8,71x
Sportsman'S Warehouse	Com	US	NASDAQ	Comércio	-	-	-	-	-	10,88x	7,58x	6,29x	6,34x	5,43x	7,30x	6,34x
Sprouts Farmers Market,	Com	US	NASDAQ	Comércio	-	-	-	31,61x	20,67x	14,88x	9,61x	11,46x	10,70x	12,19x	15,87x	12,19x
Staples Inc	Com	US	NASDAQ	Comércio	8,53295752	5,12490432	7,24x	6,77x	9,14x	8,19x	37,08x	-	-	-	12,26x	7,72x
Stein Mart Inc	Com	US	NASDAQ	Comércio	-	-	4,43x	7,21x	9,32x	6,00x	7,85x	18,81x	6,52x	5,09x	3,45x	6,26x
Stitch Fix, Inc	Com A	US	NASDAQ	Comércio	-	-	-	-	-	-	-	-	25,85x	34,39x	30,12x	30,12x
Taitron Components Inc	Com A	US	NASDAQ	Comércio	-	-12,548454	7,09x	6,24x	4,04x	9,39x	0,97x	6,15x	3,32x	9,71x	2,35x	4,04x
Tech Data Corp	Com	US	NASDAQ	Comércio	5,25295482	3,85501088	4,66x	7,32x	7,03x	5,06x	6,80x	10,41x	5,97x	6,50x	6,40x	6,50x
Tessco Technologies Inc	Com	US	NASDAQ	Comércio	-	-	5,06x	10,35x	9,71x	9,36x	17,72x	19,70x	9,86x	14,18x	11,99x	10,10x
Tile Shop Hldg Inc	Com	US	NASDAQ	Comércio	-	-	17,69x	21,45x	13,02x	17,18x	18,28x	9,88x	7,13x	9,94x	14,32x	15,10x
Titan Machinery Inc	Com	US	NASDAQ	Comércio	-	-	12,13x	14,50x	17,33x	37,16x	58,12x	46,59x	12,32x	12,40x	11,79x	13,45x
Tractor Supply Co	Com	US	NASDAQ	Comércio	9,71265093	11,0997493	11,58x	17,39x	15,15x	14,97x	12,18x	11,43x	11,99x	16,72x	13,61x	12,18x
Trans World Entertainme	Com	US	NASDAQ	Comércio	-	-	-	-	-	-	-	-	0,86x	0,09x	0,47x	0,47x
Tuesday Morning Corp	Com	US	NASDAQ	Comércio	5,42364772	3,38198605	7,67x	143,35x	50,73x	11,03x	37,64x	10,50x	4,34x	5,55x	5,43x	4,34x
U.S. Auto Parts Network,	Com	US	NASDAQ	Comércio	-	270,041517	3,74x	46,10x	19,33x	24,55x	15,00x	8,47x	39,55x	7,61x	35,50x	15,00x
Ultra Beauty, Inc	Com	US	NASDAQ	Comércio	12,0367947	15,8784443	18,16x	14,25x	15,30x	18,16x	19,60x	13,51x	12,93x	17,40x	16,13x	15,88x
United Natural Foods Inc	Com	US	NASDAQ	Comércio	-	-	13,52x	16,61x	16,11x	8,12x	10,01x	9,23x	18,31x	24,66x	8,41x	11,77x
Urban Outfitters Inc	Com	US	NASDAQ	Comércio	10,5097888	8,59088135	12,76x	9,03x	8,61x	5,10x	6,19x	8,67x	6,28x	4,32x	7,73x	8,59x
Village Super Market Inc	Com A	US	NASDAQ	Comércio	-	-	5,36x	6,38x	6,64x	5,39x	6,15x	4,72x	5,52x	5,15x	5,66x	5,45x
Voxx Intl Corp	Com A	US	NASDAQ	Comércio	-	-	5,75x	10,22x	12,32x	19,74x	18,57x	29,47x	20,48x	1,97x	6,12x	7,99x
Vwr Corp	Com	US	NASDAQ	Comércio	-	-	-	-	11,90x	12,38x	11,53x	-	-	-	11,94x	11,90x
Walgreens Boots Allianc	Com	US	NASDAQ	Comércio	7,80157102	5,57535776	8,84x	11,47x	14,43x	14,62x	12,84x	12,08x	9,89x	8,43x	10,91x	11,47x
Wayside Technology Gro	Com	US	NASDAQ	Comércio	-	4,78006401	4,38x	4,77x	7,18x	7,17x	8,17x	8,36x	7,98x	12,32x	7,24x	7,18x
West Marine Inc	Com	US	NASDAQ	Comércio	-	6,07281332	4,84x	9,72x	12,32x	5,09x	5,41x	-	-	-	7,24x	5,74x
Weyco Group Inc	Com	US	NASDAQ	Comércio	-	11,1321679	8,17x	9,69x	8,85x	8,67x	12,38x	9,87x	9,39x	9,87x	9,78x	9,69x
Whole Foods Market Inc	Com	US	NASDAQ	Comércio	12,3278033	14,2000758	14,90x	16,80x	13,32x	8,54x	7,93x	-	-	-	12,61x	13,76x
Willis Lease Finance Corp	Com	US	NASDAQ	Comércio	-	7,15183764	7,81x	8,46x	8,66x	8,29x	7,88x	8,33x	7,71x	7,17x	7,94x	7,88x
Winmark Corp	Com	US	NASDAQ	Comércio	-	10,6395677	10,38x	15,12x	13,16x	11,78x	14,39x	14,21x	15,13x	16,72x	13,50x	14,21x
Zagg Inc	Com	US	NASDAQ	Comércio	-	7,31042838	5,49x	5,98x	6,56x	7,45x	215,23x	7,90x	4,48x	5,80x	29,58x	6,56x
Zulily, Inc	Com	US	NASDAQ	Comércio	-	-	-	-	87,70x	-	-	-	-	-	87,70x	87,70x
Zumiez Inc	Com	US	NASDAQ	Comércio	-	-	6,04x	7,42x	9,34x	4,06x	8,20x	6,76x	4,08x	4,55x	6,31x	6,40x
Advisory Board Co	Com	US	NASDAQ	Construção	-	-	25,18x	30,56x	20,88x	127,95x	11,82x	-	-	-	43,28x	25,18x
Aegion Corp	Com	US	NASDAQ	Construção	-	9,34357938	8,47x	9,99x	36,66x	13,27x	10,72x	855,73x	11,19x	12,77x	107,57x	11,19x
Av Homes, Inc	Com	US	NASDAQ	Construção	-	-0,4743943	13,59x	73,07x	62,74x	22,82x	11,86x	13,56x	-	-	3,40x	11,86x
Comstock Holding Comp	Com A	US	NASDAQ	Construção	-	-6,8950002	4,59x	18,08x	23,60x	17,76x	9,28x	12,55x	4,43x	5,77x	7,42x	6,90x
Great Lakes Dredge & Dc	Com	US	NASDAQ	Construção	-	4,86373161	13,53x	7,65x	10,64x	6,44x	7,91x	18,57x	6,69x	7,06x	9,26x	7,65x
Green Brick Partners, Inc	Com	US	NASDAQ	Construção	-	8,16445367	15,49x	0,21x	3,15x	5,69x	11,30x	10,91x	7,08x	9,04x	4,40x	7,08x
Ies Hldg Inc	Com	US	NASDAQ	Construção	-	-	6,24x	48,34x	9,52x	8,89x	12,16x	13,85x	8,11x	8,64x	14,47x	9,20x
Layne Christensen Co	Com	US	NASDAQ	Construção	-	-	14,03x	11,13x	26,28x	24,44x	23,79x	61,71x	-	-	10,36x	6,33x
Lgi Homes, Inc	Com	US	NASDAQ	Construção	-	-	-	-	11,45x	9,40x	8,55x	11,95x	8,14x	11,78x	10,21x	10,43x
Limbach Hldg Inc	Com	US	NASDAQ	Construção	-	-	-	-	-	149,54x	8,55x	8,45x	7,45x	8,14x	23,39x	8,14x
Lime Energy Co.	Com	US	NASDAQ	Construção	-	-6,9553956	1,08x	0,54x	3,28x	16,03x	-	-	-	-	0,84x	1,08x
Matrix Service Co	Com	US	NASDAQ	Construção	-	-	6,38x	9,81x	8,86x	10,08x	9,49x	26,13x	124,01x	23,28x	27,25x	9,94x
Myr Group Inc	Com	US	NASDAQ	Construção	-	7,4577979	5,44x	5,36x	5,35x	4,65x	8,29x	9,77x	6,11x	7,40x	6,65x	6,11x
Preformed Line Products	Com	US	NASDAQ	Construção	-	5,57660848	5,34x	8,84x	8,70x	9,37x	9,34x	9,11x	5,81x	6,96x	7,67x	8,70x
Primoris Services Corp	Com	US	NASDAQ	Construção	-	5,43591091	5,82x	9,23x	7,85x	9,42x	10,38x	8,62x	5,71x	6,60x	7,67x	7,85x
Real Goods Solar, Inc	Com A	US	NASDAQ	Construção	-	-11,808936	0,47x	7,56x	0,82x	0,49x	0,03x	0,63x	2,59x	-	3,04x	0,73x

Solarcity Corp	Com	US	NASDAQ	Construção	-	-	-	43,83x	23,95x	14,54x	-	-	-	-	27,44x	23,95x
Sterling Construction Co	Com	US	NASDAQ	Construção	-	-3,3051208	4,00x	3,97x	9,58x	63,48x	15,38x	10,34x	4,51x	5,72x	11,75x	5,72x
Stratus Properties Inc	Com	US	NASDAQ	Construção	-	33,326868	23,47x	13,51x	16,36x	11,92x	58,62x	14,43x	46,07x	30,94x	27,63x	23,47x
Abaxis Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	16,10x	24,76x	29,11x	-	19,77x	20,66x	-	-	22,08x	20,66x
Ability Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	-	109,87x	12,73x	8,81x	1,10x	0,22x	0,17x	17,85x	0,66x
Acacia Comm, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	-	-	-	15,78x	23,25x	186,54x	68,72x	73,57x	45,99x
Accelerate Diagnostics, Ir	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	31,19x	26,01x	19,03x	15,52x	21,77x	8,08x	14,68x	19,47x	19,03x
Acme Packet Inc	Com	US	NASDAQ	Eletroeletrônicos	40,7935073	20,2717647	107,04x	-	-	-	-	-	-	-	63,66x	63,66x
Adesto Technologies Cor	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	-	-	30,74x	3,63x	55,81x	11,56x	15,77x	23,50x	15,77x
Adtran Inc	Com	US	NASDAQ	Eletroeletrônicos	12,6953567	8,51147704	13,27x	20,86x	16,48x	25,31x	19,79x	15,87x	14,46x	79,86x	2,86x	15,87x
Advanced Energy Industr	Com	US	NASDAQ	Eletroeletrônicos	-	5,10018982	7,77x	23,23x	13,40x	8,56x	14,01x	10,78x	7,02x	11,73x	11,29x	10,78x
Advanced Micro Devices	Com	US	NASDAQ	Eletroeletrônicos	4,92166041	5,86898069	3,45x	11,10x	67,54x	11,93x	49,00x	26,38x	28,14x	51,66x	14,03x	11,10x
Aehr Test Systems	Com	US	NASDAQ	Eletroeletrônicos	-	-	2,99x	15,88x	11,57x	7,05x	5,78x	21,19x	23,77x	6,70x	11,87x	9,31x
Aethlon Medical Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	6,40x	10,80x	21,82x	12,57x	5,94x	2,63x	4,66x	0,75x	8,20x	6,17x
Affymetrix Inc	Com	US	NASDAQ	Eletroeletrônicos	11,5318504	11,4259415	59,13x	17,48x	20,91x	22,08x	-	-	-	-	26,21x	20,91x
Allied Motion Technolog	Com	US	NASDAQ	Eletroeletrônicos	-	3,27950612	5,35x	19,12x	8,92x	10,24x	8,84x	11,98x	15,37x	12,39x	10,61x	10,24x
Alpha & Omega Semicon	Com	US	NASDAQ	Eletroeletrônicos	-	-	2,54x	7,33x	4,60x	5,93x	10,34x	5,75x	7,26x	9,04x	6,60x	6,60x
Altera Corp	Com	US	NASDAQ	Eletroeletrônicos	9,88509914	10,1766302	13,54x	16,75x	16,54x	33,62x	-	-	-	-	18,13x	16,54x
Ameri Hldg Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	-	-	-	-	5,88x	2,53x	4,11x	4,17x	4,11x
American Electric Techn	Com	US	NASDAQ	Eletroeletrônicos	-	-43,939412	27,77x	22,96x	14,24x	9,94x	2,54x	4,71x	9,67x	7,07x	4,60x	7,07x
American Science & Engi	Com	US	NASDAQ	Eletroeletrônicos	-	-	11,16x	16,69x	24,69x	56,20x	-	-	-	-	27,19x	20,69x
American Superconduct	Com	US	NASDAQ	Eletroeletrônicos	-	-0,4401083	2,60x	7,05x	0,74x	3,73x	5,57x	2,43x	3,95x	3,96x	1,63x	2,43x
Amkor Technology, Inc	Com	US	NASDAQ	Eletroeletrônicos	3,30712415	3,19265912	3,38x	3,68x	4,02x	3,81x	3,95x	3,22x	2,67x	3,23x	3,46x	3,38x
Analog Devices Inc	Com	US	NASDAQ	Eletroeletrônicos	8,77890007	6,68346027	10,28x	13,93x	17,09x	14,35x	16,20x	24,17x	13,91x	15,65x	14,70x	14,35x
Analogic Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-	12,55x	19,56x	15,17x	14,68x	17,82x	23,41x	-	-	9,39x	14,93x
Apple Inc	Com	US	NASDAQ	Eletroeletrônicos	11,8666245	7,61300394	7,78x	8,50x	9,63x	7,39x	9,24x	12,32x	9,77x	11,66x	9,32x	9,24x
Applied Materials Inc	Com	US	NASDAQ	Eletroeletrônicos	9,64026919	3,66390822	16,46x	25,35x	15,42x	10,19x	13,51x	12,17x	6,22x	8,54x	12,39x	12,17x
Applied Micro Circuits C	Com	US	NASDAQ	Eletroeletrônicos	31,9743307	-40,112148	2,57x	25,57x	170,35x	13,08x	25,77x	-	-	-	46,24x	25,67x
Applied Optoelectronics,	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	59,90x	13,67x	13,90x	10,63x	6,52x	17,59x	55,18x	25,34x	13,90x
Aradigm Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-	2,91x	2,81x	18,13x	1,60x	0,05x	18,74x	0,29x	-	6,36x	2,81x
Arotech Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-3612,6724	18,77x	11,33x	8,60x	14,01x	20,27x	15,05x	11,22x	16,46x	388,55x	14,01x
Arris Intl Plc	Com	US	NASDAQ	Eletroeletrônicos	5,71759068	22,0532249	9,48x	18,62x	7,81x	9,82x	11,22x	10,79x	10,14x	-	12,49x	10,47x
Astrotech Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-	319,14x	22,19x	0,66x	0,69x	1,19x	0,64x	1,52x	1,99x	41,83x	0,68x
Atmel Corp	Com	US	NASDAQ	Eletroeletrônicos	29,4731442	7,43926336	20,79x	42,08x	27,68x	32,74x	-	-	-	-	26,14x	27,68x
Aviat Networks, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	10,31x	3,90x	2,34x	1,55x	3,06x	7,68x	9,49x	11,55x	3,52x	3,07x
Axogen, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-4,8709912	5,40x	8,96x	9,23x	16,77x	38,37x	130,98x	34,42x	28,59x	30,84x	16,77x
Bel Fuse Inc	Com A	US	NASDAQ	Eletroeletrônicos	-	8,27215904	13,56x	6,91x	13,70x	5,69x	8,02x	8,88x	5,70x	6,73x	6,82x	6,91x
Bel Fuse Inc	Com B	US	NASDAQ	Eletroeletrônicos	-	8,27215904	13,56x	6,91x	13,70x	5,69x	8,02x	8,88x	5,70x	6,73x	6,82x	6,91x
Biolife Solutions Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-13,095467	49,13x	747,87x	3,52x	4,83x	5,18x	109,16x	47,97x	70,94x	75,76x	4,83x
Black Box Corp	Com	US	NASDAQ	Eletroeletrônicos	8,51776731	-2,9713004	7,13x	9,25x	4,98x	2,22x	9,93x	16,74x	3,59x	-	3,01x	3,28x
Broadcom Corp	Com	US	NASDAQ	Eletroeletrônicos	17,634461	11,0639301	16,25x	18,54x	22,05x	18,88x	-	-	-	-	17,36x	18,54x
Brocade Comm Systems	Com	US	NASDAQ	Eletroeletrônicos	7,09172352	6,89146469	4,85x	7,18x	9,11x	5,27x	11,98x	-	-	-	7,55x	7,04x
Bruker Corp	Com	US	NASDAQ	Eletroeletrônicos	14,5894998	10,1240969	11,90x	15,41x	19,16x	19,46x	14,29x	19,08x	14,30x	19,51x	15,92x	15,41x
Cabot Microelectronics C	Com	US	NASDAQ	Eletroeletrônicos	6,6982735	8,30375205	9,03x	10,38x	10,18x	11,68x	12,22x	14,31x	16,86x	16,63x	12,18x	11,68x
Calamp Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-	13,68x	39,71x	20,84x	14,08x	15,89x	22,97x	11,25x	8,61x	18,38x	14,99x
Casa Systems Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	-	-	-	-	-	12,46x	10,96x	11,71x	11,71x
Cascade Microtech Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	4,62x	10,32x	10,16x	9,46x	-	-	-	-	8,64x	9,81x
Cavium, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	61,8507941	34,55x	54,18x	122,04x	124,35x	143,64x	40,77x	-	-	32,14x	54,18x
Ccur Hldg Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	4,39x	5,96x	7,35x	4,79x	18,04x	-	-	-	0,89x	4,79x
Cemtrex Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	7,93x	210,85x	8,70x	10,44x	9,34x	4,32x	2,26x	1,84x	21,78x	6,12x

Cepheid	Com	US	NASDAQ	Eletroeletrônicos	-	80,3276362	-	738,44x	430,92x	4.434,86x	201,94x	-	-	-	-	881,92x	201,94x
Chf Solutions, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	2,87x	4,82x	1,59x	0,37x	0,41x	0,96x	0,12x	0,15x	1,10x	0,39x
Chicken Soup For The So	Com A	US	NASDAQ	Eletroeletrônicos	-	-	-	-	-	-	-	14,97x	8,59x	15,42x	12,99x	14,97x	
Cirrus Logic Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	8,72x	5,50x	12,19x	7,42x	9,29x	8,48x	8,56x	11,12x	8,91x	8,64x
Cisco Systems, Inc	Com	US	NASDAQ	Eletroeletrônicos	7,66418952	6,87400307	-	5,78x	6,60x	9,52x	7,46x	7,86x	10,90x	11,51x	15,02x	9,06x	7,86x
Clearfield, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	9,07x	23,83x	18,51x	17,64x	22,95x	22,28x	14,41x	19,99x	18,59x	19,25x
Clearone Inc	Com	US	NASDAQ	Eletroeletrônicos	-	1,91833588	-	0,42x	6,54x	7,59x	7,92x	15,66x	4,56x	0,20x	3,76x	3,45x	1,92x
Clearsign Combustion Co	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	8,35x	19,30x	9,79x	6,64x	3,90x	5,86x	1,23x	1,50x	7,07x	6,25x
Cogentix Medical Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	8,18x	10,40x	9,32x	10,98x	43,25x	69,16x	-	-	12,26x	8,75x
Cognex Corp	Com	US	NASDAQ	Eletroeletrônicos	11,2358169	13,0384695	-	14,30x	31,07x	21,85x	18,46x	28,54x	36,84x	25,22x	29,55x	24,32x	25,22x
Coherent Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	9,10x	13,31x	9,95x	9,34x	19,45x	13,80x	5,93x	7,92x	11,10x	9,64x
Cohu Inc	Com	US	NASDAQ	Eletroeletrônicos	-	6,1755185	-	33,15x	9,36x	10,25x	10,31x	15,13x	10,46x	41,15x	74,52x	13,94x	10,31x
Comm Systems Inc	Com	US	NASDAQ	Eletroeletrônicos	-	4,07229518	-	10,70x	21,12x	12,67x	7,38x	32,04x	1,62x	1,73x	7,06x	0,14x	1,62x
Commscope Holding Con	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	9,69x	7,48x	19,83x	11,62x	13,01x	8,27x	13,85x	11,96x	11,62x	
Comtech Telecommunica	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	4,04x	7,80x	6,58x	4,29x	16,96x	8,87x	9,47x	7,87x	8,24x	7,84x
Conmed Corp	Com	US	NASDAQ	Eletroeletrônicos	-	16,3681248	-	8,36x	12,79x	14,34x	14,93x	18,28x	17,80x	16,87x	23,36x	15,90x	16,37x
Control4 Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	43,13x	24,05x	30,19x	14,14x	29,62x	12,73x	22,00x	25,12x	24,05x	
Copsync, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-3,4571958	-	4,65x	5,84x	24,23x	0,40x	1,01x	-	-	-	6,60x	4,05x
Cray Inc	Com	US	NASDAQ	Eletroeletrônicos	-	18,8863224	-	1,75x	23,83x	49,51x	17,85x	26,05x	17,07x	11,23x	21,00x	9,84x	17,85x
Cree Inc	Com	US	NASDAQ	Eletroeletrônicos	16,5518392	9,1509424	-	14,20x	21,74x	12,05x	29,77x	16,39x	33,01x	37,10x	39,09x	15,37x	16,39x
Cutera Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-1,5242616	-	7,96x	15,36x	7,82x	35,07x	52,84x	48,99x	19,43x	18,07x	0,38x	7,96x
Cynosure Inc	Com A	US	NASDAQ	Eletroeletrônicos	-	13,6664218	-	9,52x	104,05x	12,42x	18,57x	17,96x	-	-	-	29,36x	15,81x
Cypress Semiconductor C	Com	US	NASDAQ	Eletroeletrônicos	21,0879997	12,37423	-	52,13x	174,36x	34,63x	30,76x	13,70x	17,25x	11,62x	14,11x	8,52x	12,37x
Dasan Zhone Solutions Ir	Com	US	NASDAQ	Eletroeletrônicos	-	-2,4254919	-	1,61x	33,94x	15,59x	28,88x	8,71x	36,10x	25,17x	24,02x	6,89x	1,61x
Data I/O Corp	Com	US	NASDAQ	Eletroeletrônicos	-	6,29110391	-	0,43x	4,66x	10,12x	5,70x	10,76x	13,75x	8,86x	10,42x	6,76x	8,86x
Dell Inc	Com	US	NASDAQ	Eletroeletrônicos	4,93646719	3,7260993	-	3,56x	-	-	-	-	-	-	-	3,64x	3,64x
Digi Intl Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	7,62x	14,97x	31,14x	11,01x	11,08x	16,20x	8,52x	11,05x	13,95x	11,06x
Dirigad Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-60,406118	-	5,04x	18,34x	12,71x	17,51x	8,73x	13,24x	4,62x	6,43x	1,79x	8,73x
Digital Ally Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-3,8160329	-	9,06x	12,31x	21,40x	3,72x	1,91x	2,25x	2,43x	2,98x	6,65x	3,72x
Diodes Inc	Com	US	NASDAQ	Eletroeletrônicos	-	6,10649422	-	7,79x	9,22x	7,41x	10,58x	10,12x	8,36x	6,15x	-	8,22x	8,08x
Dsp Group Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-8,7710314	-	16,30x	48,62x	83,83x	41,07x	29,61x	253,28x	114,97x	-	23,77x	10,42x
Echelon Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-32,229666	-	13,69x	4,42x	4,10x	0,02x	0,23x	1,57x	-	-	7,97x	4,10x
Echo Therapeutics, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-8,534071	-	2,66x	1,63x	1,88x	0,94x	-	-	-	-	3,13x	1,88x
Echostar Corp	Com A	US	NASDAQ	Eletroeletrônicos	3,79580206	5,67812078	-	7,05x	8,65x	6,19x	4,87x	6,34x	8,45x	4,95x	5,33x	6,39x	6,19x
Electro Scientific Industri	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	8,01x	7,90x	4,76x	4,00x	13,79x	19,46x	8,66x	-	0,81x	4,00x
Electro Sensors Inc	Com	US	NASDAQ	Eletroeletrônicos	-	5,83285384	-	3,06x	8,34x	9,22x	7,15x	7,61x	7,01x	15,77x	9,99x	8,22x	7,61x
Electrocore, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	-	-	-	-	-	-	2,11x	-	2,11x	2,11x
Electronics For Imaging Ir	Com	US	NASDAQ	Eletroeletrônicos	-	9,64516997	-	8,52x	7,27x	20,04x	21,11x	17,11x	14,63x	13,27x	22,89x	14,94x	14,63x
Emcore Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	9,78x	39,47x	1,23x	15,44x	20,92x	12,50x	3,39x	2,53x	8,92x	5,63x
Energous Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	-	3,81x	2,79x	6,50x	8,74x	2,63x	2,21x	4,45x	3,30x	
Energy Focus, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-1,5676282	-	2,72x	4,81x	59,82x	12,58x	2,06x	1,73x	0,39x	0,25x	6,54x	1,57x
Enphase Energy, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	5,51x	16,07x	134,79x	17,16x	1,52x	7,90x	36,27x	62,16x	23,13x	3,51x
Escalon Medical Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	2,78x	15,63x	13,36x	6,63x	-	-	-	-	9,60x	10,00x
Everspin Technologies In	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	-	-	-	-	6,07x	5,07x	5,49x	6,40x	5,76x	5,78x
Extreme Networks Inc	Com	US	NASDAQ	Eletroeletrônicos	8,29381988	16,0227475	-	8,98x	376,36x	26,04x	94,31x	33,82x	106,95x	16,95x	14,98x	50,41x	16,02x
Eyepoint Pharmaceutical	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	1,37x	7,02x	7,44x	6,20x	2,28x	1,62x	4,16x	4,13x	2,42x	3,20x
F5 Networks Inc	Com	US	NASDAQ	Eletroeletrônicos	34,7049133	20,0949824	-	15,08x	13,70x	15,89x	9,97x	13,86x	11,44x	13,06x	10,62x	13,75x	13,70x
Fairchild Semiconductor	Com	US	NASDAQ	Eletroeletrônicos	5,424536	4,43481194	-	9,29x	8,92x	11,66x	16,35x	-	-	-	-	10,13x	9,29x
Faro Technologies Inc	Com	US	NASDAQ	Eletroeletrônicos	-	16,0642327	-	11,61x	21,73x	20,29x	14,92x	16,62x	28,91x	23,58x	30,12x	20,43x	20,29x
Fc Global Realty Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-14,076972	-	8,16x	7,92x	8,13x	0,19x	0,63x	0,42x	-	-	1,05x	0,42x

FEI Co	Com	US	NASDAQ	Eletroeletrônicos	-	8,67746329	10,51x	17,01x	19,64x	15,79x	-	-	-	-	14,32x	15,79x	
Finisar Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-	16,30x	16,59x	11,31x	9,45x	14,05x	7,08x	28,65x	27,86x	16,41x	15,18x	
First Solar, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	-	-	6,61x	5,77x	15,20x	13,87x	103,70x	26,72x	13,87x	
Flir Systems Inc	Com	US	NASDAQ	Eletroeletrônicos	10,7262284	9,51570837	9,02x	13,54x	13,88x	10,59x	14,39x	17,62x	15,41x	17,51x	13,50x	13,88x	
Fluidigm Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-12,878255	17,48x	55,66x	27,21x	12,10x	6,29x	9,05x	20,93x	33,66x	21,70x	17,48x	
Fonar Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-	1,61x	9,41x	4,16x	6,12x	6,23x	6,17x	4,65x	4,42x	5,35x	5,39x	
Formfactor Inc	Com	US	NASDAQ	Eletroeletrônicos	-	0,70035224	1,66x	6,02x	31,90x	17,08x	990,84x	12,10x	11,97x	13,14x	101,29x	11,97x	
Fossil Group, Inc	Com	US	NASDAQ	Eletroeletrônicos	11,2234256	8,9618686	9,90x	10,58x	9,19x	4,44x	7,14x	1,72x	5,75x	6,98x	6,80x	7,14x	
Franklin Electric Co Inc	Com	US	NASDAQ	Eletroeletrônicos	-	8,61165847	10,76x	14,06x	12,39x	13,37x	12,90x	15,79x	12,61x	14,19x	12,74x	12,90x	
Frequency Electronics Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	6,35x	14,26x	11,42x	17,28x	97,70x	15,64x	9,71x	64,73x	7,12x	8,88x	
Fuelcell Energy Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	4,53x	8,90x	15,97x	3,24x	0,49x	2,29x	0,83x	0,50x	4,47x	2,77x	
Geospace Technologies C	Com	US	NASDAQ	Eletroeletrônicos	-	-	13,51x	9,93x	11,27x	4,01x	4,65x	2,70x	8,89x	30,36x	1,99x	3,35x	
Giga Tronics Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	1,24x	1,06x	14,16x	6,89x	2,21x	-	-	-	5,11x	2,21x	
Gilat Satellite Networks I	Com	US	NASDAQ	Eletroeletrônicos	-	14,3278696	80,77x	12,95x	10,39x	5,88x	18,39x	16,15x	13,09x	12,35x	1,22x	12,95x	
Gsi Technology Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	15,97x	98,10x	12,22x	8,37x	30,84x	24,63x	38,94x	73,79x	26,55x	23,41x	
Harmonic Inc	Com	US	NASDAQ	Eletroeletrônicos	-	7,54361902	10,99x	27,37x	33,26x	42,77x	15,96x	9,83x	21,35x	24,28x	15,75x	21,35x	
Harvard Bioscience Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	15,96x	25,97x	18,11x	44,11x	82,60x	32,35x	41,96x	28,95x	36,25x	30,65x	
Hologic Inc	Com	US	NASDAQ	Eletroeletrônicos	15,712295	7,85046631	19,05x	25,38x	12,94x	14,46x	12,58x	7,79x	58,13x	27,68x	15,01x	12,94x	
Htg Molecular Diagnostic	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	-	-	0,52x	0,71x	1,52x	3,52x	3,61x	1,98x	1,52x	
Hurco Companies Inc	Com	US	NASDAQ	Eletroeletrônicos	-	4,20468941	4,43x	7,22x	6,79x	4,46x	7,57x	8,79x	4,38x	4,90x	5,86x	4,90x	
Hutchinson Technology I	Com	US	NASDAQ	Eletroeletrônicos	-	-	12,01x	16,12x	10,65x	16,74x	-	-	-	-	13,88x	14,07x	
Ichor Hldg Ltd.	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	-	-	-	-	12,60x	6,02x	10,03x	9,55x	10,03x	
Id Systems Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-16,093174	39,08x	9,91x	7,69x	5,98x	12,75x	38,76x	21,73x	15,85x	18,65x	15,85x	
Ideal Power Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	-	6,31x	5,88x	2,58x	0,99x	0,05x	-	3,16x	2,58x	
Illumina Inc	Com	US	NASDAQ	Eletroeletrônicos	32,6060653	10,9346981	24,01x	58,96x	41,71x	34,92x	24,77x	39,26x	38,60x	39,95x	34,79x	38,60x	
Image Sensing Systems Ir	Com	US	NASDAQ	Eletroeletrônicos	-	-	9,52x	1,89x	1,35x	13,83x	15,98x	4,49x	7,42x	8,15x	4,64x	5,95x	
Impinj Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	-	-	-	218,17x	32,96x	9,13x	22,30x	38,44x	15,72x	
Infinera Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-8,1087121	8,22x	152,47x	24,99x	22,13x	22,46x	7,85x	12,55x	4,90x	20,05x	4,90x	
Inseego Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-1,5770798	0,13x	1,86x	4,65x	7,73x	-	-	-	-	3,14x	1,86x	
Integrated Device Techn	Com	US	NASDAQ	Eletroeletrônicos	10,4478233	5,57546638	32,07x	22,00x	21,04x	19,28x	19,01x	21,49x	27,40x	-	20,98x	21,27x	
Intel Corp	Com	US	NASDAQ	Eletroeletrônicos	5,0740799	5,12153265	4,67x	6,44x	7,71x	7,36x	8,71x	8,78x	7,06x	6,68x	6,95x	7,06x	
Intermolecular Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	40,69x	131,50x	4,93x	7,82x	3,34x	11,48x	53,66x	21,21x	22,13x	4,14x	
Intersil Corp	Com	US	NASDAQ	Eletroeletrônicos	10,636098	8,56079123	16,95x	38,41x	13,92x	63,91x	31,31x	-	-	-	28,84x	24,13x	
Intricon Corp	Com	US	NASDAQ	Eletroeletrônicos	-	43,3072341	10,46x	27,46x	8,36x	12,12x	116,72x	32,51x	17,80x	19,60x	32,04x	19,60x	
IPG Photonics Corp	Com	US	NASDAQ	Eletroeletrônicos	13,2461217	7,16311604	12,98x	14,33x	10,72x	10,50x	10,71x	16,91x	8,37x	11,48x	11,46x	10,72x	
Iridex Corp	Com	US	NASDAQ	Eletroeletrônicos	-	9,68039907	53,33x	27,62x	27,62x	63,96x	70,48x	5,53x	3,54x	4,78x	0,98x	3,54x	
Iridium Comm Inc	Com	US	NASDAQ	Eletroeletrônicos	-	4,87277544	5,41x	6,81x	8,87x	15,16x	9,62x	10,83x	13,98x	-	9,45x	9,25x	
Irobot Corp	Com	US	NASDAQ	Eletroeletrônicos	-	9,78921136	10,34x	18,23x	12,15x	12,68x	18,71x	20,08x	15,14x	17,01x	14,90x	15,14x	
Iteris, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	11,71x	12,72x	133,69x	24,46x	57,65x	43,71x	17,63x	25,44x	1,35x	21,05x	
Itron Inc	Com	US	NASDAQ	Eletroeletrônicos	8,10282033	-5,5744926	7,73x	54,09x	17,93x	12,39x	15,55x	14,27x	34,57x	13,53x	6,26x	13,53x	
Ixia	Com	US	NASDAQ	Eletroeletrônicos	-	11,9220946	18,07x	16,26x	45,62x	11,53x	15,92x	-	-	-	19,89x	16,09x	
Ixys Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-	6,69x	10,14x	7,88x	8,06x	7,71x	17,02x	-	-	9,58x	7,97x	
Kimball Electronics, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	-	-	4,97x	7,47x	7,38x	6,83x	6,70x	6,67x	6,83x	
Kopin Corp	Com	US	NASDAQ	Eletroeletrônicos	-	20,5587133	10,92x	5,25x	5,81x	4,35x	5,81x	6,21x	0,94x	1,48x	2,25x	5,25x	
Koss Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-	7,32x	10,95x	3,10x	9,64x	12,28x	47,95x	43,58x	11,10x	5,48x	10,29x	
Kvh Industries Inc	Com	US	NASDAQ	Eletroeletrônicos	-	25,2057264	16,11x	15,30x	18,67x	10,75x	17,90x	79,73x	34,04x	57,27x	30,55x	18,67x	
Lantronix Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	225,67x	11,11x	93,92x	5,87x	582,58x	3.488,96x	25,47x	25,55x	384,02x	9,80x	
Lattice Semiconductor C	Com	US	NASDAQ	Eletroeletrônicos	8,22941859	8,40513195	22,04x	8,89x	8,25x	62,49x	30,43x	73,83x	26,77x	35,69x	16,87x	22,04x	
Lightpath Technologies Ir	Com	A	US	NASDAQ	Eletroeletrônicos	-	-	17,35x	19,90x	26,55x	15,93x	11,95x	9,23x	13,37x	10,35x	8,94x	12,66x
Linear Technology Corp	Com	US	NASDAQ	Eletroeletrônicos	10,6585125	8,41208443	11,35x	14,68x	13,53x	12,51x	19,68x	-	-	-	13,36x	13,02x	

Littelfuse Inc	Com	US	NASDAQ	Eletroeletrônicos	-	6,1317022	9,38x	12,10x	11,77x	15,82x	19,56x	16,19x	13,77x	12,61x	13,04x	12,61x
Loral Space & Comm Inc	Com	US	NASDAQ	Eletroeletrônicos	-	19,2173437	55,38x	155,75x	446,96x	183,83x	183,22x	139,57x	137,02x	132,89x	157,27x	139,57x
Lrad Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-	20,31x	32,40x	17,64x	182,86x	17,65x	36,53x	136,92x	243,56x	47,34x	26,36x
LSI Industries Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	14,26x	17,72x	15,98x	13,34x	15,26x	21,04x	14,46x	11,58x	3,68x	13,80x
Lumentum Hldg Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	-	-	-	23,14x	14,15x	12,45x	20,32x	17,51x	17,23x
Macom Technology Solu	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	12,43x	33,24x	30,93x	26,60x	46,35x	72,43x	114,13x	48,02x	33,24x
Masimo Corp	Com	US	NASDAQ	Eletroeletrônicos	-	10,5626684	11,96x	17,09x	14,45x	16,60x	7,07x	18,69x	22,50x	29,87x	16,53x	16,60x
Maxim Integrated Produ	Com	US	NASDAQ	Eletroeletrônicos	10,4836163	8,50361987	10,56x	10,72x	16,46x	18,94x	12,28x	14,69x	13,20x	14,94x	13,37x	13,20x
Maxwell Technologies In	Com	US	NASDAQ	Eletroeletrônicos	-	47,0915458	12,93x	11,67x	27,28x	37,29x	8,68x	7,13x	2,44x	-	5,43x	4,61x
Mellanox Technologies, L	Com	US	NASDAQ	Eletroeletrônicos	-	32,330046	14,75x	96,19x	49,22x	12,56x	14,86x	35,67x	21,09x	23,38x	33,34x	23,38x
Mercury Systems Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	27,34x	59,61x	23,57x	15,11x	26,86x	29,82x	22,97x	30,46x	29,47x	27,10x
Mesa Laboratories Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	10,88x	17,89x	14,68x	18,81x	19,66x	51,63x	35,10x	41,75x	26,30x	19,24x
Micrel Inc	Com	US	NASDAQ	Eletroeletrônicos	7,84041099	8,34626359	11,13x	14,76x	24,29x	-	-	-	-	-	14,63x	12,95x
Microchip Technology In	Com	US	NASDAQ	Eletroeletrônicos	10,1597359	11,279317	14,64x	13,97x	13,03x	15,07x	24,23x	14,62x	17,01x	18,72x	15,84x	14,64x
Micron Technology Inc	Com	US	NASDAQ	Eletroeletrônicos	1,94142572	2,55712872	5,33x	8,66x	6,49x	3,79x	8,24x	3,91x	1,65x	2,00x	4,74x	3,91x
Microsemi Corp	Com	US	NASDAQ	Eletroeletrônicos	-	10,5799516	11,19x	15,88x	15,57x	15,05x	27,80x	14,79x	-	-	15,84x	15,05x
Microvision, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	1,94x	2,60x	5,47x	9,09x	4,48x	4,84x	1,84x	3,03x	4,16x	3,76x
Mict, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	18,97x	2,66x	51,41x	20,32x	3,40x	3,61x	1,34x	1,97x	7,55x	2,68x
MKS Instruments Inc	Com	US	NASDAQ	Eletroeletrônicos	3,82769033	4,52431719	8,36x	13,29x	9,68x	7,04x	13,64x	9,96x	5,39x	10,11x	9,11x	9,68x
Mocon Inc	Com	US	NASDAQ	Eletroeletrônicos	-	8,45646845	15,67x	12,69x	15,79x	11,85x	11,89x	-	-	-	12,72x	12,29x
Molex Inc	Com	US	NASDAQ	Eletroeletrônicos	6,77475554	5,8326329	7,16x	10,89x	-	-	-	-	-	-	7,96x	7,16x
Monolithic Power System	Com	US	NASDAQ	Eletroeletrônicos	-	14,8089476	23,44x	30,06x	34,79x	41,17x	43,69x	45,71x	35,81x	39,44x	34,33x	35,81x
Mosys, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	7,40838201	4,23x	9,92x	2,22x	1,67x	0,45x	1,56x	0,25x	0,52x	1,49x	1,56x
Mrv Comm Inc	Com	US	NASDAQ	Eletroeletrônicos	-	10,1527122	5,53x	21,59x	10,21x	33,36x	3,30x	-	-	-	10,64x	7,87x
Mts Systems Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-	8,21x	11,75x	14,00x	11,02x	19,24x	12,88x	10,52x	12,29x	12,49x	12,02x
Multi Fineline Electronix	Com	US	NASDAQ	Eletroeletrônicos	-	-	4,68x	7,96x	19,86x	3,31x	-	-	-	-	4,97x	3,99x
Nanometrics Inc	Com	US	NASDAQ	Eletroeletrônicos	-	6,40346134	17,11x	27,24x	170,93x	20,15x	13,22x	10,47x	6,95x	11,14x	12,52x	10,47x
Napco Security Technolo	Com	US	NASDAQ	Eletroeletrônicos	-	-	16,28x	20,33x	15,16x	17,34x	19,47x	19,83x	22,51x	34,34x	20,66x	19,65x
Natus Medical Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-459,24067	19,26x	14,40x	19,21x	21,66x	14,39x	32,34x	128,77x	37,36x	27,40x	19,21x
Netapp, Inc	Com	US	NASDAQ	Eletroeletrônicos	20,0837912	9,07355119	8,36x	9,55x	8,14x	5,75x	9,46x	11,71x	8,39x	11,03x	9,05x	9,07x
Netgear, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	6,45298063	7,79x	8,10x	15,29x	8,60x	9,79x	13,48x	24,09x	-	11,70x	9,20x
Netlist Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-18,115208	1,42x	2,72x	2,10x	2,01x	6,44x	2,57x	-	-	5,05x	2,57x
Nlight, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	-	-	-	-	-	19,76x	31,48x	25,62x	25,62x
Nortech Systems Inc	Com	US	NASDAQ	Eletroeletrônicos	-	5,65980724	5,86x	7,84x	8,43x	14,04x	8,27x	20,68x	6,97x	9,42x	9,69x	8,27x
Novanta Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	9,63x	10,35x	81,17x	10,49x	13,85x	21,20x	21,51x	28,72x	24,61x	17,52x
Numerex Corp	Com A	US	NASDAQ	Eletroeletrônicos	-	23,5772619	31,06x	48,37x	24,24x	346,25x	10,30x	9,29x	-	-	34,08x	23,58x
Nve Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-	16,05x	16,90x	17,31x	13,01x	17,86x	21,37x	21,26x	21,39x	18,14x	17,59x
Nvidia Corp	Com	US	NASDAQ	Eletroeletrônicos	17,5130943	6,34326846	5,26x	8,06x	8,55x	15,02x	32,36x	36,77x	15,73x	28,45x	17,39x	15,02x
Nxstage Medical, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	121,514389	44,78x	74,66x	192,28x	83,26x	57,82x	77,40x	58,42x	-	88,77x	76,03x
Oclaro, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	4,28x	1,14x	2,69x	56,45x	14,49x	5,95x	13,71x	-	4,35x	1,14x
Omnicell, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	14,4143195	10,66x	15,00x	15,08x	13,72x	21,64x	34,28x	25,56x	30,02x	20,04x	15,08x
On Semiconductor Corp	Com	US	NASDAQ	Eletroeletrônicos	8,35333681	10,9487263	15,58x	9,25x	10,23x	7,76x	12,93x	8,88x	6,32x	6,94x	9,87x	9,25x
One Stop Systems, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	-	-	-	-	-	14,00x	9,54x	11,77x	11,77x
Orion Energy Systems, In	Com	US	NASDAQ	Eletroeletrônicos	-	-	9,25x	24,92x	3,79x	5,28x	3,60x	1,13x	2,62x	7,82x	1,07x	3,69x
OSI Systems Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	14,01x	9,07x	9,20x	14,35x	17,62x	10,02x	12,46x	13,59x	12,54x	13,03x
Pacific Biosciences Of Cal	Com	US	NASDAQ	Eletroeletrônicos	-	0,20233279	0,03x	3,50x	8,16x	38,54x	4,47x	3,22x	10,85x	10,91x	8,82x	4,47x
Parkervision Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-3,9415962	8,35x	15,20x	3,47x	1,33x	2,67x	2,16x	-	-	5,30x	3,47x
Pc Tel Inc	Com	US	NASDAQ	Eletroeletrônicos	-	12,5308575	9,05x	22,25x	11,27x	35,86x	17,41x	17,94x	25,04x	61,65x	1,48x	11,27x
Phontronics Inc	Com	US	NASDAQ	Eletroeletrônicos	2,39727096	1,97845673	2,47x	5,16x	4,60x	4,92x	3,88x	2,89x	2,51x	3,06x	3,50x	3,06x
Pioneer Power Solutions,	Com	US	NASDAQ	Eletroeletrônicos	-	10,998109	6,65x	9,62x	23,64x	24,18x	17,05x	14,32x	47,75x	39,23x	16,12x	14,32x





Sunworks, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-10,77026	- 3,83x	- 14,93x	14,08x	15,97x	- 4,89x	- 3,76x	- 1,71x	- 3,46x	- 1,48x	- 3,76x
Super Micro Computer, I	Com	US	NASDAQ	Eletroeletrônicos	-	-	10,43x	12,06x	11,99x	7,13x	12,55x	9,62x	-	-	10,63x	11,21x
Superconductor Technol	Com	US	NASDAQ	Eletroeletrônicos	-	-2,7738941	- 0,84x	- 2,57x	- 3,65x	0,08x	0,41x	- 1,11x	0,19x	- 0,27x	- 1,17x	- 0,84x
Synaptics Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	10,96x	8,37x	17,45x	9,85x	13,41x	14,36x	10,16x	7,63x	11,52x	10,56x
Sypris Solutions Inc	Com	US	NASDAQ	Eletroeletrônicos	-	3,41398464	3,75x	32,42x	4,89x	- 2,22x	- 0,91x	- 3,73x	- 9,69x	- 15,83x	1,34x	- 0,91x
Technical Comm Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-	- 0,55x	- 16,70x	- 2,14x	- 1,84x	- 0,84x	- 27,44x	- 5,95x	- 8,75x	- 8,03x	- 4,05x
Telenav, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	3,22x	12,12x	- 3,58x	- 4,05x	- 5,66x	- 2,85x	- 1,49x	- 5,54x	- 0,98x	- 3,22x
Tellabs Inc	Com	US	NASDAQ	Eletroeletrônicos	5,44560768	-3,9289277	- 2,19x	- 6,42x	-	-	-	-	-	-	- 4,18x	- 3,93x
Texas Instruments Inc	Com	US	NASDAQ	Eletroeletrônicos	6,46547236	8,96419711	11,11x	11,96x	11,12x	10,45x	12,70x	14,68x	11,95x	13,54x	11,83x	11,95x
Thoratec Corp	Com	US	NASDAQ	Eletroeletrônicos	11,5624204	13,3757667	20,04x	14,94x	16,49x	-	-	-	-	-	16,21x	15,71x
Transcat Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	6,64x	6,57x	8,85x	7,36x	7,51x	9,02x	9,86x	12,21x	8,50x	8,18x
Trimble Inc	Com	US	NASDAQ	Eletroeletrônicos	23,2373696	21,9845485	22,92x	24,21x	16,69x	16,94x	21,28x	24,70x	18,77x	21,03x	20,95x	21,28x
Ttm Technologies Inc	Com	US	NASDAQ	Eletroeletrônicos	-	6,35636925	- 29,15x	5,32x	5,31x	6,93x	6,29x	5,76x	5,62x	5,83x	2,03x	5,76x
Turtle Beach Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-	- 7,92x	- 10,72x	- 39,35x	- 2,19x	- 1,86x	8,08x	3,93x	2,25x	- 5,97x	- 2,03x
Ubiquiti Networks, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	9,70x	24,93x	11,47x	13,20x	15,64x	16,92x	19,10x	23,43x	16,80x	16,28x
Ultra Clean Hldg Inc	Com	US	NASDAQ	Eletroeletrônicos	-	4,2365502	10,16x	11,03x	9,14x	10,82x	9,76x	7,58x	6,39x	10,14x	8,81x	9,76x
Ultralife Corp	Com	US	NASDAQ	Eletroeletrônicos	-	9,46684019	12,16x	16,38x	21,74x	13,90x	9,88x	9,39x	9,17x	14,42x	12,94x	12,16x
Uni-Pixel	Com	US	NASDAQ	Eletroeletrônicos	-	-3,5848152	- 14,09x	- 6,41x	- 2,69x	- 0,84x	- 2,11x	-	-	-	- 4,96x	- 3,14x
Universal Display Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-	47,99x	25,94x	13,75x	47,03x	26,52x	45,23x	47,94x	64,29x	39,84x	46,13x
Universal Electronics Inc	Com	US	NASDAQ	Eletroeletrônicos	-	5,37689405	5,63x	10,22x	15,37x	13,15x	17,95x	17,90x	12,44x	20,43x	13,16x	13,15x
Viasat Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	16,34x	20,40x	14,71x	13,03x	13,49x	27,12x	22,67x	31,91x	19,96x	18,37x
Viavi Solutions Inc	Com	US	NASDAQ	Eletroeletrônicos	16,6366817	7,85995794	12,71x	12,55x	21,42x	11,34x	80,27x	14,60x	14,58x	17,11x	21,38x	14,58x
Vicor Corp	Com	US	NASDAQ	Eletroeletrônicos	-	10,5666286	18,60x	- 44,02x	- 82,93x	32,77x	249,79x	103,27x	35,03x	28,42x	39,06x	28,42x
Viewray, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	-	-	5,60x	- 4,17x	- 14,34x	- 6,90x	- 8,67x	- 7,94x	- 6,90x
Vislink Technologies, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	- 1,46x	- 0,92x	- 0,40x	- 0,09x	- 1,21x	- 1,07x	-	- 0,86x	- 1,00x
Viveve Medical, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	-	-	-	3,43x	- 3,03x	- 3,15x	- 1,09x	- 0,99x	- 2,34x	- 3,03x
Vuzix Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-10,51665	- 5,61x	- 10,70x	- 11,64x	- 11,22x	- 6,26x	- 6,90x	- 5,69x	- 2,94x	- 7,94x	- 6,90x
Wafergen Bio-Systems, I	Com	US	NASDAQ	Eletroeletrônicos	-	0,39769849	0,25x	- 1,01x	- 0,46x	0,14x	- 1,14x	-	-	-	- 0,31x	- 0,16x
Westell Technologies Inc	Com A	US	NASDAQ	Eletroeletrônicos	-	-	0,50x	- 434,09x	- 1,12x	- 2,28x	- 1,15x	7,97x	- 9,15x	- 14,93x	- 56,78x	- 1,71x
Western Digital Corp	Com	US	NASDAQ	Eletroeletrônicos	2,87769076	2,62430678	2,43x	7,13x	7,73x	4,37x	10,32x	5,57x	3,62x	6,17x	5,55x	5,57x
Woodward, Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-	10,84x	12,41x	11,07x	12,81x	15,00x	15,18x	-	-	12,89x	12,61x
Xcerra Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-	- 29,53x	- 20,82x	16,14x	9,96x	36,03x	7,28x	-	-	3,18x	8,62x
Xilinx Inc	Com	US	NASDAQ	Eletroeletrônicos	8,82441686	10,1278683	12,80x	13,54x	11,54x	13,55x	17,43x	18,96x	19,42x	23,21x	15,62x	13,55x
Xperi Corp	Com	US	NASDAQ	Eletroeletrônicos	-	25,3816095	- 1.111,23x	- 7,61x	7,82x	6,32x	20,52x	17,50x	8,59x	10,19x	- 113,61x	8,59x
Xplore Technologies Corp	Com	US	NASDAQ	Eletroeletrônicos	-	-	12,35x	- 86,73x	224,92x	15,74x	- 23,92x	18,63x	-	-	26,83x	14,05x
Zeltiq Aesthetics Inc	Com	US	NASDAQ	Eletroeletrônicos	-	-38,547042	- 4,25x	- 37,28x	242,74x	171,62x	99,78x	-	-	-	72,34x	47,76x
8point3 Energy Partners	Com A	US	NASDAQ	Energia Elétrica	-	-	-	-	-	-	30,61x	35,32x	-	-	32,97x	32,97x
Mge Energy Inc	Com	US	NASDAQ	Energia Elétrica	-	7,03318224	7,52x	7,64x	8,57x	9,12x	12,60x	11,63x	11,84x	13,41x	9,93x	9,12x
Ocean Power Technolog	Com	US	NASDAQ	Energia Elétrica	-	-	0,15x	- 0,51x	0,86x	0,48x	- 0,46x	- 0,35x	- 0,20x	- 0,04x	- 0,01x	- 0,12x
Otter Tail Corp	Com	US	NASDAQ	Energia Elétrica	-	10,257519	8,98x	9,58x	10,46x	9,34x	11,83x	11,80x	12,63x	12,99x	10,88x	10,46x
P10 Industries, Inc	Com	US	NASDAQ	Energia Elétrica	-	-8,7482583	- 125,98x	- 8,96x	- 3,07x	- 4,61x	-	-	-	-	- 30,27x	- 8,75x
Pattern Energy Group Inc	Com A	US	NASDAQ	Energia Elétrica	-	-	-	19,56x	17,70x	17,19x	16,67x	17,50x	14,26x	14,48x	16,77x	17,19x
Spark Energy, Inc	Com A	US	NASDAQ	Energia Elétrica	-	-	-	-	11,71x	5,98x	4,26x	3,74x	8,31x	4,37x	6,39x	5,17x
Terraform Global, Inc	Com A	US	NASDAQ	Energia Elétrica	-	-	-	-	-	7,88x	11,71x	18,59x	-	-	7,47x	11,71x
Terraform Power, Inc	Com A	US	NASDAQ	Energia Elétrica	-	-	-	-	53,17x	28,68x	13,04x	14,95x	17,03x	15,37x	23,71x	16,20x
American Capital, Ltd	Com	US	NASDAQ	Finanças e Seguro	-4,750439	-16,426891	- 6,67x	28,96x	39,11x	29,01x	2,96x	-	-	-	12,82x	15,96x
Ares Capital Corp	Com	US	NASDAQ	Finanças e Seguro	15,0070501	12,0739687	12,19x	12,50x	12,59x	10,92x	12,39x	15,19x	12,49x	13,45x	12,64x	12,49x
Asta Funding Inc	Com	US	NASDAQ	Finanças e Seguro	-	-	3,71x	21,61x	- 3,51x	7,45x	-	- 2,41x	2,51x	3,21x	4,66x	3,21x
Bgc Partners, Inc	Com A	US	NASDAQ	Finanças e Seguro	-	4,31606483	2,99x	1,84x	68,74x	49,83x	15,17x	16,07x	10,42x	-	21,17x	12,79x
Blackhawk Network Hldg	Com	US	NASDAQ	Finanças e Seguro	-	-	-	5,74x	-	-	9,80x	9,73x	-	-	8,42x	9,73x

Blucora, Inc	Com	US	NASDAQ	Finanças e Seguro	-	5,0646284	9,14x	10,67x	14,81x	37,19x	11,77x	14,54x	13,66x	13,51x	14,48x	13,51x
Calamos Asset Mngmt, Ir	Com A	US	NASDAQ	Finanças e Seguro	-	-0,4850168	1,12x	2,04x	0,80x	3,20x	1,64x	-	-	-	1,00x	0,96x
CBOE Global Markets, In	Com	US	NASDAQ	Finanças e Seguro	11,5573493	7,83358241	8,83x	13,45x	14,71x	14,33x	17,24x	26,74x	14,74x	16,33x	14,91x	14,71x
CME Group Inc	Com A	US	NASDAQ	Finanças e Seguro	11,0706319	7,51997432	9,27x	14,20x	15,25x	14,04x	16,24x	19,81x	23,48x	24,58x	16,04x	15,25x
Corvel Corp	Com	US	NASDAQ	Finanças e Seguro	-	-	8,59x	13,17x	11,04x	13,07x	10,20x	13,40x	13,29x	15,83x	12,32x	13,12x
Cowen Inc	Com A	US	NASDAQ	Finanças e Seguro	-	4,96050156	2,62x	16,48x	3,90x	6,98x	3,68x	0,99x	2,14x	6,57x	0,33x	2,14x
CPI Card Group Inc	Com	US	NASDAQ	Finanças e Seguro	-	-	-	-	-	10,04x	10,34x	173,24x	12,47x	11,01x	43,42x	11,01x
Credit Acceptance Corp	Com	US	NASDAQ	Finanças e Seguro	7,10493453	7,87872508	8,24x	8,46x	8,24x	10,85x	10,46x	12,51x	11,49x	12,81x	10,10x	10,46x
Diamond Hill Investment	Com	US	NASDAQ	Finanças e Seguro	-	-	8,36x	11,40x	8,83x	9,88x	10,36x	9,43x	6,08x	6,36x	8,84x	9,13x
Ehealth, Inc	Com	US	NASDAQ	Finanças e Seguro	-	-	20,60x	65,63x	410,25x	51,73x	102,03x	11,58x	103,57x	262,65x	125,61x	83,83x
Encore Capital Group Inc	Com	US	NASDAQ	Finanças e Seguro	-	7,08570967	8,91x	13,73x	10,91x	13,60x	12,26x	11,85x	9,09x	9,59x	10,78x	10,91x
Euronet Worldwide Inc	Com	US	NASDAQ	Finanças e Seguro	-	7,86576108	10,72x	13,08x	12,36x	13,79x	11,05x	11,30x	10,49x	16,52x	11,91x	11,30x
Fbr & Co.	Com	US	NASDAQ	Finanças e Seguro	-	0,50796372	2,30x	1,55x	5,65x	5,65x	0,62x	-	-	-	0,63x	1,03x
Fifth Street Asset Mngmt	Com A	US	NASDAQ	Finanças e Seguro	-	-	-	-	-	5,29x	49,62x	-	-	-	27,45x	27,45x
Financial Engines, Inc	Com	US	NASDAQ	Finanças e Seguro	-	24,9157699	24,96x	51,84x	20,22x	20,88x	26,75x	14,66x	-	-	26,32x	24,92x
Focus Financial Partners	Com A	US	NASDAQ	Finanças e Seguro	-	-	-	-	-	-	-	-	17,21x	-	17,21x	17,21x
Global Brokerage, Inc	Com A	US	NASDAQ	Finanças e Seguro	-	-0,4040279	1,13x	4,90x	6,23x	8,92x	2,20x	3,68x	-	-	0,21x	1,13x
Goosehead Insurance, In	Com A	US	NASDAQ	Finanças e Seguro	-	-	-	-	-	-	-	-	86,22x	201,60x	143,91x	143,91x
Gwg Hldg Inc	Com	US	NASDAQ	Finanças e Seguro	-	-	-	-	10,83x	11,56x	8,51x	11,62x	16,52x	17,20x	12,71x	11,59x
Hamilton Lane Inc	Com A	US	NASDAQ	Finanças e Seguro	-	-	-	-	-	-	-	-	15,16x	20,71x	17,93x	17,93x
Health Insurance Innovat	Com A	US	NASDAQ	Finanças e Seguro	-	-	-	18,61x	21,33x	70,09x	11,75x	10,49x	15,07x	14,41x	17,79x	14,41x
Hennessy Advisors Inc	Com	US	NASDAQ	Finanças e Seguro	-	-	12,21x	9,03x	9,94x	8,03x	7,80x	5,62x	3,34x	3,48x	7,43x	7,91x
Interactive Brokers Grou	Com A	US	NASDAQ	Finanças e Seguro	-0,4428848	-1,5911493	2,50x	0,14x	2,60x	21,42x	3,86x	43,00x	11,59x	33,54x	12,45x	3,86x
Intl Fcstone Inc	Com	US	NASDAQ	Finanças e Seguro	-	-	5,72x	16,16x	4,85x	6,43x	10,45x	24,64x	34,28x	7,28x	13,73x	8,87x
Lendingtree, Inc	Com	US	NASDAQ	Finanças e Seguro	-	-0,2935479	77,39x	107,89x	191,25x	26,00x	18,93x	63,52x	30,62x	56,58x	63,54x	56,58x
Live Ventures Inc	Com	US	NASDAQ	Finanças e Seguro	-	-	10,89x	5,29x	9,13x	6,45x	16,74x	4,34x	4,85x	5,60x	0,03x	0,48x
LPL Financial Hldg Inc	Com	US	NASDAQ	Finanças e Seguro	39,7329128	9,73289143	10,30x	13,80x	13,02x	12,61x	9,49x	11,01x	8,35x	10,11x	10,93x	10,30x
Marketaxess Hldg Inc	Com	US	NASDAQ	Finanças e Seguro	-	9,63046306	11,97x	19,26x	18,00x	23,29x	24,63x	32,42x	31,64x	44,11x	23,89x	23,29x
Morningstar, Inc	Com	US	NASDAQ	Finanças e Seguro	14,1292755	13,8032499	13,62x	15,21x	16,76x	13,11x	12,38x	15,14x	13,95x	17,56x	14,61x	13,95x
Mr. Cooper Group Inc	Com	US	NASDAQ	Finanças e Seguro	-	-	-	-	-	-	-	-	14,44x	-	14,44x	14,44x
Nasdaq, Inc	Com	US	NASDAQ	Finanças e Seguro	9,12925843	7,3411119	7,05x	10,96x	11,14x	13,54x	13,92x	13,79x	13,24x	14,72x	11,74x	13,24x
National Hldg Corp	Com	US	NASDAQ	Finanças e Seguro	-	-	2,47x	14,49x	4,04x	53,60x	12,81x	2,31x	0,53x	4,27x	10,13x	3,17x
Payment Data Systems Ir	Com	US	NASDAQ	Finanças e Seguro	-	27,7798595	10,58x	22,91x	13,55x	14,25x	40,37x	18,78x	12,52x	19,23x	3,21x	12,52x
Price T Rowe Group Inc	Com	US	NASDAQ	Finanças e Seguro	13,6328722	9,79407818	10,87x	11,84x	10,37x	8,28x	9,17x	10,44x	8,25x	9,37x	9,82x	9,79x
Resource America, Inc	Com	US	NASDAQ	Finanças e Seguro	-	-	4,49x	27,96x	38,44x	3,87x	-	-	-	-	16,44x	15,91x
Royal Gold Inc	Com	US	NASDAQ	Finanças e Seguro	23,2011257	18,1129432	18,52x	11,99x	19,90x	12,39x	23,73x	17,52x	74,13x	18,07x	23,82x	18,11x
SEI Investments Compan	Com	US	NASDAQ	Finanças e Seguro	15,363431	10,6038996	13,40x	17,50x	14,57x	18,70x	16,09x	22,44x	12,38x	14,23x	15,55x	14,57x
Siebert Financial Corp	Com	US	NASDAQ	Finanças e Seguro	-	31,3984861	27,32x	3,53x	6,54x	6,27x	11,90x	121,40x	51,39x	36,78x	20,60x	3,53x
Silvercrest Asset Mngmt	Com A	US	NASDAQ	Finanças e Seguro	-	-	-	10,19x	9,53x	6,41x	7,81x	6,85x	4,61x	8,77x	7,74x	7,81x
U S Global Investors Inc	Com A	US	NASDAQ	Finanças e Seguro	-	-	28,29x	5,17x	14,95x	0,00x	9,20x	46,42x	0,73x	2,12x	6,29x	3,65x
Value Line Inc	Com	US	NASDAQ	Finanças e Seguro	-	-	13,30x	21,57x	24,96x	25,03x	12,56x	45,91x	50,74x	37,21x	28,91x	24,99x
Victory Capital Hldg Inc	Com A	US	NASDAQ	Finanças e Seguro	-	-	-	-	-	-	-	-	6,60x	10,65x	8,63x	8,63x
Virtu Financial, Inc	Com A	US	NASDAQ	Finanças e Seguro	-	-	-	-	-	13,95x	12,42x	23,71x	6,37x	19,73x	15,24x	13,95x
Virtus Investment Partne	Com	US	NASDAQ	Finanças e Seguro	-	15,0195552	11,63x	11,48x	8,64x	9,17x	9,10x	27,40x	15,05x	16,32x	13,76x	11,63x
Wisdomtree Investments	Com	US	NASDAQ	Finanças e Seguro	-	193,45674	62,81x	41,99x	25,96x	14,21x	24,00x	26,80x	17,41x	18,54x	47,24x	25,96x
Zais Group Hldg Inc	Com A	US	NASDAQ	Finanças e Seguro	-	-	-	391,18x	203,32x	4,15x	30,56x	1,70x	-	-	126,18x	30,56x
Agnc Investment Corp	Com	US	NASDAQ	Fundos	124,105753	146,008593	95,02x	98,74x	90,83x	100,20x	104,65x	150,94x	234,42x	222,76x	138,17x	104,65x
Atlantic Alliance Partners	Com	US	NASDAQ	Fundos	-	-	-	-	-	385,34x	13,50x	-	-	-	199,42x	199,42x
Caretrust Reit, Inc	Com	US	NASDAQ	Fundos	-	-	-	-	41,03x	15,31x	15,71x	29,67x	19,69x	27,34x	24,79x	23,52x
Cim Commercial Trust Cc	Com	US	NASDAQ	Fundos	-	34,1824548	217,48x	53,35x	21,61x	21,37x	21,43x	21,70x	14,45x	47,09x	1,97x	21,61x

Condor Hospitality Trust	Com	US	NASDAQ	Fundos	-	13,1185871	10,73x	19,80x	10,46x	8,42x	9,52x	22,98x	12,28x	13,96x	13,48x	12,28x
Cyrusone Inc	Com	US	NASDAQ	Fundos	-	-	-	12,54x	12,39x	22,07x	20,08x	26,56x	19,25x	22,93x	19,40x	20,08x
Equinix Inc	Com	US	NASDAQ	Fundos	10,7622875	10,1773532	15,34x	13,47x	15,48x	19,48x	21,37x	23,51x	17,61x	22,83x	17,70x	17,61x
Gaming & Leisure Proper	Com	US	NASDAQ	Fundos	-	-	-	73,81x	14,36x	15,49x	18,65x	17,13x	16,18x	10,25x	23,69x	16,18x
Global Self Storage, Inc	Com	US	NASDAQ	Fundos	-	-	-	-	-	-	50,91x	22,04x	16,96x	16,47x	26,60x	19,50x
Lamar Advertising Co	Com A	US	NASDAQ	Fundos	12,790217	9,27865084	10,78x	12,72x	12,90x	13,28x	13,64x	14,52x	14,12x	15,99x	13,03x	13,28x
Manhattan Bridge Capita	Com	US	NASDAQ	Fundos	-	14,252726	13,85x	12,68x	23,64x	19,26x	24,84x	19,57x	17,70x	18,40x	18,24x	18,40x
Potlatchdeltic Corp	Com	US	NASDAQ	Fundos	15,2122311	15,255055	16,71x	14,52x	14,43x	19,13x	31,39x	14,13x	10,32x	12,52x	16,49x	14,52x
Retail Opportunity Invest	Com	US	NASDAQ	Fundos	-	17,7263388	16,09x	20,31x	21,90x	19,15x	21,63x	19,96x	15,48x	16,39x	18,74x	19,15x
Sabra Health Care Reit, Ir	Com	US	NASDAQ	Fundos	-	11,8855844	16,39x	14,90x	20,32x	15,55x	16,15x	20,30x	12,34x	18,79x	16,29x	16,15x
SBA Comm Corp	Com	US	NASDAQ	Fundos	20,7073814	18,7224536	24,87x	22,26x	22,59x	21,92x	20,53x	25,36x	22,80x	28,84x	23,10x	22,59x
Sotherly Hotels Inc	Com	US	NASDAQ	Fundos	-	10,2021223	9,13x	12,53x	13,28x	14,06x	11,27x	10,79x	21,64x	22,08x	13,89x	12,53x
Tremont Mortgage Trust	Com	US	NASDAQ	Fundos	-	-	-	-	-	-	-	-	0,47x	0,75x	0,61x	0,61x
Uniti Group Inc	Com	US	NASDAQ	Fundos	-	-	-	-	-	-	12,12x	11,16x	9,93x	8,78x	10,50x	10,55x
Vestin Realty Mortgage II	Com	US	NASDAQ	Fundos	-	-2,2440757	34,92x	1,51x	0,59x	0,19x	0,03x	-	-	-	5,07x	0,39x
Wheeler Real Estate Inve	Com	US	NASDAQ	Fundos	-	-	-	82,47x	52,14x	69,21x	20,99x	14,89x	10,97x	10,66x	37,33x	20,99x
Aaon Inc	Com	US	NASDAQ	Máquinas Indust	-	15,1075787	8,75x	16,63x	14,78x	14,83x	18,36x	21,29x	24,84x	28,21x	18,09x	16,63x
Acm Research, Inc	Com A	US	NASDAQ	Máquinas Indust	-	-	-	-	-	-	-	70,02x	22,71x	26,88x	39,87x	26,88x
American Railcar Industri	Com	US	NASDAQ	Máquinas Indust	-	-	5,15x	6,00x	6,94x	4,85x	6,89x	8,94x	12,80x	-	7,37x	6,89x
Amtech Systems Inc	Com	US	NASDAQ	Máquinas Indust	-	-	0,36x	2,76x	4,96x	7,56x	32,31x	5,04x	2,81x	20,22x	8,15x	3,88x
Astec Industries Inc	Com	US	NASDAQ	Máquinas Indust	-	8,76861685	9,29x	10,65x	11,80x	12,40x	13,24x	15,86x	12,32x	10,74x	6,55x	10,65x
Astronova, Inc	Com	US	NASDAQ	Máquinas Indust	-	-	7,31x	-	10,43x	10,55x	9,72x	15,19x	10,82x	13,92x	11,13x	10,55x
Asv Hldg Inc	Com	US	NASDAQ	Máquinas Indust	-	-	-	-	-	-	-	12,48x	1,99x	2,30x	2,73x	1,99x
Axcelis Technologies Inc	Com	US	NASDAQ	Máquinas Indust	-	6,06151447	4,32x	24,74x	44,55x	8,63x	17,07x	14,54x	6,12x	7,94x	1,47x	6,12x
Brooks Automation Inc	Com	US	NASDAQ	Máquinas Indust	5,22795409	7,06738117	21,61x	17,63x	48,99x	16,11x	20,19x	16,24x	-	-	21,12x	17,63x
Capstone Turbine Corp	Com	US	NASDAQ	Máquinas Indust	-	-	10,38x	28,48x	12,23x	0,65x	0,92x	3,79x	3,31x	4,79x	8,07x	4,29x
Cdti Advanced Materials,	Com	US	NASDAQ	Máquinas Indust	-	-4,6636493	3,54x	6,82x	3,90x	2,55x	1,25x	4,23x	0,05x	-	3,36x	3,72x
Ceco Environmental Corp	Com	US	NASDAQ	Máquinas Indust	-	5,6067272	6,88x	34,45x	14,78x	17,96x	99,77x	10,67x	10,99x	23,51x	2,79x	10,99x
Cesca Therapeutics Inc	Com	US	NASDAQ	Máquinas Indust	-	-	3,71x	2,16x	2,86x	0,39x	3,93x	3,45x	0,08x	0,15x	1,11x	1,27x
Columbus Mckinnon Cor	Com	US	NASDAQ	Máquinas Indust	-	-	5,48x	8,67x	8,24x	10,14x	11,06x	12,80x	9,80x	11,01x	9,65x	9,97x
Crossroads Systems Inc	Com	US	NASDAQ	Máquinas Indust	-	-7,9888824	3,07x	2,57x	10,62x	1,96x	0,48x	-	-	-	4,45x	2,82x
Cvd Equipment Corp	Com	US	NASDAQ	Máquinas Indust	-	10,4567547	49,65x	71,14x	27,30x	9,78x	409,48x	9,11x	5,97x	3,28x	42,31x	9,11x
Cyberoptics Corp	Com	US	NASDAQ	Máquinas Indust	-	3,86854029	25,94x	6,54x	122,00x	215,22x	19,72x	27,59x	18,74x	16,01x	4,42x	16,01x
Energy Recovery, Inc	Com	US	NASDAQ	Máquinas Indust	-	-5,1900966	33,83x	199,89x	17,48x	36,91x	104,83x	50,15x	18,80x	26,80x	34,12x	18,80x
Exone Co	Com	US	NASDAQ	Máquinas Indust	-	-	-	234,68x	12,13x	6,21x	14,64x	8,63x	13,72x	20,00x	44,29x	13,72x
Fireeye, Inc	Com	US	NASDAQ	Máquinas Indust	-	-	-	33,64x	11,29x	7,24x	6,37x	21,29x	31,60x	31,12x	20,37x	21,29x
Forescout Technologies,	Com	US	NASDAQ	Máquinas Indust	-	-	-	-	-	-	-	12,80x	15,49x	20,51x	16,27x	15,49x
Fortinet Inc	Com	US	NASDAQ	Máquinas Indust	30,2782792	27,3878498	23,59x	26,53x	48,13x	83,05x	42,87x	37,82x	27,45x	30,70x	38,61x	30,70x
Freightcar America, Inc	Com	US	NASDAQ	Máquinas Indust	-	10,3651655	3,08x	9,72x	7,97x	2,28x	3,60x	3,61x	1,01x	4,13x	0,98x	2,28x
Gencor Industries Inc	Com	US	NASDAQ	Máquinas Indust	-	-	10,73x	0,23x	11,07x	3,58x	12,38x	10,91x	3,28x	3,13x	1,46x	3,21x
Hardinge Inc	Com	US	NASDAQ	Máquinas Indust	-	3,8294168	3,96x	9,85x	16,18x	7,32x	9,79x	10,04x	-	-	8,71x	9,79x
Identiv, Inc	Com	US	NASDAQ	Máquinas Indust	-	-24,394468	1,82x	2,34x	15,78x	0,32x	5,39x	39,44x	37,34x	32,40x	2,19x	2,34x
Ii-Vi Inc	Com	US	NASDAQ	Máquinas Indust	-	-	9,54x	10,93x	7,26x	7,97x	11,43x	15,45x	9,61x	9,83x	10,25x	9,72x
Immersion Corp	Com	US	NASDAQ	Máquinas Indust	-	37,7590401	49,82x	52,90x	31,34x	46,19x	15,10x	3,60x	3,92x	4,78x	10,98x	3,92x
Interlink Electronics Inc	Com	US	NASDAQ	Máquinas Indust	-	-	-	-	-	-	15,60x	13,11x	6,25x	-	11,65x	13,11x
Intevac Inc	Com	US	NASDAQ	Máquinas Indust	-	-3,7076384	1,15x	8,81x	17,03x	8,39x	51,70x	12,97x	281,76x	30,58x	26,06x	3,71x
Kewaunee Scientific Corp	Com	US	NASDAQ	Máquinas Indust	-	-	4,59x	4,73x	5,47x	7,95x	6,86x	8,33x	8,12x	6,78x	6,60x	6,82x
Key Technology Inc	Com	US	NASDAQ	Máquinas Indust	-	-	9,39x	10,06x	40,69x	51,46x	10,42x	11,99x	-	-	8,38x	9,73x
Key Tronic Corp	Com	US	NASDAQ	Máquinas Indust	-	-	4,81x	7,45x	12,75x	7,53x	7,13x	7,48x	9,04x	38,13x	2,26x	7,46x
Kla Tencor Corp	Com	US	NASDAQ	Máquinas Indust	6,62488401	5,70122303	5,92x	10,54x	15,94x	13,78x	10,33x	10,93x	7,57x	11,46x	10,24x	10,54x

Lam Research Corp	Com	US	NASDAQ	Máquinas Indust	6,36107677	5,05763485	14,12x	11,21x	10,42x	7,94x	8,78x	9,37x	5,73x	8,84x	9,05x	8,84x
Lincoln Electric Hldg Inc	Com	US	NASDAQ	Máquinas Indust	9,44301469	7,97337992	8,83x	11,55x	11,53x	15,13x	15,25x	13,95x	12,11x	11,88x	12,02x	11,88x
Logitech Intl Sa	Com	US	NASDAQ	Máquinas Indust	-	-	7,06x	19,62x	-	35,07x	14,60x	17,77x	14,10x	17,43x	15,93x	17,43x
Manitex Intl, Inc	Com	US	NASDAQ	Máquinas Indust	-	9,11063902	7,49x	12,41x	15,32x	11,70x	255,71x	42,19x	32,85x	30,89x	10,42x	12,41x
Middleby Corp	Com	US	NASDAQ	Máquinas Indust	13,5847199	12,0837589	12,22x	17,79x	18,49x	19,36x	16,01x	17,67x	13,91x	16,72x	16,03x	16,72x
Misonix Inc	Com	US	NASDAQ	Máquinas Indust	-	-	56,68x	6,76x	658,53x	42,98x	12,88x	13,64x	91,70x	33,35x	114,56x	38,17x
Mitek Systems Inc	Com	US	NASDAQ	Máquinas Indust	-	-	7,98x	23,00x	25,47x	31,74x	37,17x	71,14x	103,93x	131,95x	19,03x	15,49x
Nortek Inc	Com	US	NASDAQ	Máquinas Indust	-	9,43988071	9,28x	11,82x	17,55x	10,20x	-	-	-	-	11,66x	10,20x
Omega Flex, Inc	Com	US	NASDAQ	Máquinas Indust	-	18,9023702	10,95x	12,71x	16,99x	12,64x	23,59x	27,62x	19,07x	32,48x	19,44x	18,90x
P&F Industries Inc	Com A	US	NASDAQ	Máquinas Indust	-	4,73174038	5,32x	4,78x	7,33x	5,19x	3,49x	13,94x	7,91x	8,50x	6,02x	5,32x
Perceptron Inc	Com	US	NASDAQ	Máquinas Indust	-	-	4,13x	15,97x	9,19x	12,22x	107,46x	18,08x	8,71x	6,55x	7,13x	7,63x
Perma-Pipe Intl Hldg Inc	Com	US	NASDAQ	Máquinas Indust	-	-	-	9,15x	6,19x	39,47x	-	11,99x	18,96x	10,50x	12,05x	9,82x
Power Solutions Intl, Inc	Com	US	NASDAQ	Máquinas Indust	-	14,2273668	13,21x	48,30x	20,46x	17,96x	30,10x	-	-	-	24,04x	19,21x
Profire Energy Inc	Com	US	NASDAQ	Máquinas Indust	-	-	32,24x	18,26x	10,08x	18,36x	4.755,89x	9,99x	6,21x	6,41x	607,18x	14,17x
Radisys Corp	Com	US	NASDAQ	Máquinas Indust	-	25,1921187	4,88x	5,70x	16,23x	21,87x	21,35x	1,60x	7,74x	-	4,03x	3,24x
Stratasys Inc	Com	US	NASDAQ	Máquinas Indust	27,9678519	15,5005562	36,99x	-	-	-	-	-	-	-	26,24x	26,24x
Stratasys Ltd.	Com	US	NASDAQ	Máquinas Indust	-	-	-	-	-	0,77x	99,99x	21,43x	11,53x	-	33,05x	16,48x
Sunrun Inc	Com	US	NASDAQ	Máquinas Indust	-	-	-	-	-	11,53x	12,72x	35,62x	90,96x	69,05x	20,03x	11,53x
Taronis Technologies, Inc	Com	US	NASDAQ	Máquinas Indust	-	-11,537211	4,75x	1,71x	3,00x	7,62x	1,98x	0,67x	2,43x	-	4,21x	2,72x
Tecogen Inc	Com	US	NASDAQ	Máquinas Indust	-	-	-	-	25,00x	25,45x	121,68x	90,44x	20,80x	10,57x	18,84x	22,90x
Tesco Corp	Com	US	NASDAQ	Máquinas Indust	-	-	3,49x	7,00x	4,90x	3,61x	3,43x	3,38x	-	-	0,83x	0,06x
Tpi Composites, Inc	Com	US	NASDAQ	Máquinas Indust	-	-	-	-	-	-	8,98x	7,13x	17,49x	38,58x	18,05x	13,24x
Transact Technologies In	Com	US	NASDAQ	Máquinas Indust	-	7,19393729	7,60x	12,01x	18,23x	10,54x	7,08x	11,63x	7,95x	8,82x	6,07x	7,95x
Twin Disc Inc	Com	US	NASDAQ	Máquinas Indust	-	-	5,36x	16,06x	8,22x	42,77x	11,30x	44,68x	7,16x	6,55x	14,94x	7,69x
USA Technologies Inc	Com	US	NASDAQ	Máquinas Indust	-	-	64,89x	9,51x	10,90x	15,96x	72,68x	135,90x	57,69x	86,62x	56,77x	61,29x
Veeco Instruments Inc	Com	US	NASDAQ	Máquinas Indust	-	1,08969267	10,87x	15,01x	18,55x	27,56x	9,58x	205,56x	1,08x	1,84x	23,57x	1,84x
Wsi Industries, Inc	Com	US	NASDAQ	Máquinas Indust	-	-	5,20x	7,82x	5,62x	5,41x	10,65x	13,74x	-	-	8,07x	6,72x
Zebra Technologies Corp	Com A	US	NASDAQ	Máquinas Indust	11,2788704	7,96220472	8,45x	11,98x	39,02x	17,29x	17,25x	11,17x	12,63x	13,97x	15,52x	12,63x
Alliance Hldg Gp, L.P.	Com	US	NASDAQ	Mineração	-	-	6,17x	6,08x	5,48x	3,01x	3,36x	3,65x	-	-	4,63x	4,56x
Dawson Geophysical Co	Com	US	NASDAQ	Mineração	-	-	0,89x	0,87x	0,78x	4,28x	23,56x	43,01x	10,34x	10,77x	5,73x	2,58x
Forbes Energy Services LI	Com	US	NASDAQ	Mineração	-	4,73227796	4,00x	5,14x	3,95x	11,21x	-	-	-	-	5,80x	4,73x
Global Industries Ltd	Com	US	NASDAQ	Mineração	-12,50639	-10,589269	-	-	-	-	-	-	-	-	10,59x	10,59x
Hallador Energy Compan	Com	US	NASDAQ	Mineração	-	3,60119396	4,30x	4,52x	12,02x	4,10x	7,84x	4,85x	9,40x	-	6,33x	4,68x
Hercules Offshore, Inc	Com	US	NASDAQ	Mineração	21,2315911	8,10876075	14,54x	9,74x	14,51x	8,46x	-	-	-	-	7,69x	9,74x
Mammoth Energy Servic	Com	US	NASDAQ	Mineração	-	-	-	-	-	-	13,12x	6,12x	1,43x	1,69x	5,59x	3,90x
Ncs Multistage Hldg Inc	Com	US	NASDAQ	Mineração	-	-	-	-	-	-	-	18,58x	1,22x	0,71x	5,55x	0,71x
Patterson UTI Energy Inc	Com	US	NASDAQ	Mineração	6,90949314	3,72641464	3,29x	4,45x	3,37x	6,47x	21,22x	12,10x	5,25x	5,85x	7,30x	5,25x
Pershing Gold Corp	Com	US	NASDAQ	Mineração	-	-9,1359933	4,34x	5,83x	5,63x	4,06x	5,59x	4,75x	2,80x	-	5,27x	5,17x
Ramaco Resources, Inc	Com	US	NASDAQ	Mineração	-	-	-	-	-	-	-	20,49x	5,42x	6,61x	2,82x	5,42x
Saexploration Hldg Inc	Com	US	NASDAQ	Mineração	-	-	75,79x	7,24x	5,85x	4,79x	4,53x	5,50x	2,02x	3,16x	6,63x	4,66x
Smart Sand, Inc	Com	US	NASDAQ	Mineração	-	-	-	-	-	-	22,08x	11,66x	3,13x	4,57x	10,36x	8,11x
U.S. Gold Corp	Com	US	NASDAQ	Mineração	-	-	0,68x	2,30x	4,51x	3,47x	4,82x	3,37x	1,52x	2,91x	2,95x	3,14x
United States Lime & Mir	Com	US	NASDAQ	Mineração	-	7,62531491	6,57x	8,64x	8,63x	7,05x	8,75x	8,46x	8,78x	10,34x	8,32x	8,63x
Westmoreland Coal Co	Com	US	NASDAQ	Mineração	-	7,19287222	5,07x	5,78x	17,24x	115,27x	7,22x	6,50x	-	-	23,47x	7,19x
Westwater Resources, In	Com	US	NASDAQ	Mineração	-	-6,1586641	2,76x	3,10x	3,95x	2,17x	1,84x	0,96x	0,20x	0,18x	2,37x	2,17x
Zion Oil & Gas Inc	Com	US	NASDAQ	Mineração	-	-0,8665727	4,11x	4,10x	6,51x	9,42x	6,27x	13,08x	0,68x	0,88x	5,10x	4,11x
Apogee Enterprises, Inc	Com	US	NASDAQ	Minerais não Met	-	-	12,89x	17,06x	14,39x	10,01x	9,67x	9,14x	6,48x	10,98x	11,33x	10,50x
Cps Technologies Corp	Com	US	NASDAQ	Minerais não Met	-	-	7,94x	15,14x	22,54x	30,49x	33,76x	14,86x	46,97x	50,64x	10,75x	11,40x
Dynasil Corp Of America	Com	US	NASDAQ	Minerais não Met	-	-	11,38x	4,33x	15,92x	18,31x	12,90x	57,28x	11,66x	12,11x	14,06x	12,50x
Forterra, Inc	Com	US	NASDAQ	Minerais não Met	-	-	-	-	-	-	15,17x	18,03x	10,84x	12,10x	14,04x	13,64x

Us Concrete Inc	Com	US	NASDAQ	Minerais não Met	-	12,7362717	8,27x	9,76x	8,25x	8,77x	9,70x	13,96x	7,02x	8,44x	9,66x	8,77x
Abiomed Inc	Com	US	NASDAQ	Outros	-	540,123282	23,94x	86,19x	64,36x	59,72x	53,91x	53,82x	65,00x	51,73x	110,98x	59,72x
Acacia Research Corp	Com	US	NASDAQ	Outros	-	31,0525262	8,08x	16,16x	142,33x	0,83x	59,28x	13,59x	8,19x	4,28x	21,02x	4,28x
Acadia Healthcare Comp	Com	US	NASDAQ	Outros	-	22,7415456	17,25x	21,10x	22,38x	17,15x	10,37x	10,22x	9,30x	11,63x	15,79x	17,15x
Accuray Inc	Com	US	NASDAQ	Outros	-	-	10,29x	26,02x	433,63x	43,58x	37,42x	26,48x	90,18x	41,20x	28,88x	31,95x
Addus Homecare Corp	Com	US	NASDAQ	Outros	-	-159,18816	5,00x	12,90x	11,70x	12,42x	18,83x	11,33x	24,92x	24,92x	4,13x	12,42x
Adynxx Inc	Com	US	NASDAQ	Outros	-	-0,9295052	3,05x	2,03x	2,84x	1,82x	0,91x	0,90x	0,17x	0,51x	1,35x	0,93x
Aep Industries Inc	Com	US	NASDAQ	Outros	-	7,95163629	6,82x	8,35x	13,02x	6,16x	7,49x	-	-	-	8,30x	7,72x
Agrofresh Solutions, Inc	Com	US	NASDAQ	Outros	-	-	-	-	391,44x	32,05x	11,99x	8,21x	9,81x	8,50x	53,48x	9,15x
Air T Inc	Com	US	NASDAQ	Outros	-	-	4,67x	6,86x	6,97x	6,30x	18,24x	11,29x	11,20x	11,80x	5,11x	6,91x
Air Transport Services Gr	Com	US	NASDAQ	Outros	-	4,02628248	3,72x	8,35x	5,03x	4,79x	7,28x	7,22x	8,52x	7,78x	6,30x	7,22x
Akamai Technologies Inc	Com	US	NASDAQ	Outros	20,0296359	10,7797636	13,15x	12,99x	14,69x	11,78x	13,98x	15,48x	11,46x	14,07x	13,15x	13,15x
Albany Molecular Resear	Com	US	NASDAQ	Outros	-	-4,1952929	8,21x	7,30x	20,53x	21,01x	29,24x	-	-	-	13,68x	14,37x
Align Technology Inc	Com	US	NASDAQ	Outros	10,0881016	14,9800429	18,60x	38,00x	19,08x	22,78x	25,72x	43,68x	30,72x	48,26x	29,09x	25,72x
Alliance Healthcare Servi	Com	US	NASDAQ	Outros	-	-	6,69x	13,84x	7,52x	7,03x	6,79x	-	-	-	8,38x	7,03x
Allied Healthcare Produc	Com	US	NASDAQ	Outros	-	-	29,59x	10,24x	17,49x	7,28x	11,45x	9,64x	4,02x	4,25x	11,74x	9,94x
Almost Family Inc	Com	US	NASDAQ	Outros	-	3,31606034	5,27x	20,03x	10,92x	12,11x	18,19x	24,24x	-	-	13,44x	12,11x
Alphabet Inc	Capital stock	US	NASDAQ	Outros	13,4522225	12,4164592	12,08x	17,92x	13,94x	18,86x	15,29x	19,10x	17,49x	19,89x	16,33x	17,49x
Alphabet Inc	Com A	US	NASDAQ	Outros	13,4522225	12,4164592	12,08x	17,92x	13,94x	18,86x	15,29x	19,10x	17,49x	19,89x	16,33x	17,49x
Alphatec Hldg Inc	Com	US	NASDAQ	Outros	-	-	11,38x	4,91x	7,48x	0,67x	89,48x	50,92x	8,51x	9,48x	16,96x	3,40x
AMC Networks Inc	Com A	US	NASDAQ	Outros	-	6,50672736	6,32x	5,74x	5,75x	4,98x	3,72x	3,29x	3,15x	3,23x	4,74x	4,98x
Amedisys Inc	Com	US	NASDAQ	Outros	-	-0,974055	6,20x	4,32x	20,46x	118,12x	19,21x	18,59x	21,99x	21,78x	23,18x	19,21x
Amerco	Com	US	NASDAQ	Outros	5,09106565	4,43279231	4,74x	6,40x	6,75x	7,84x	6,01x	5,84x	6,08x	6,95x	6,12x	6,08x
American Public Educatio	Com	US	NASDAQ	Outros	-	9,06121017	6,72x	8,24x	6,36x	2,71x	4,32x	4,26x	5,10x	6,07x	5,87x	6,07x
American Woodmark Co	Com	US	NASDAQ	Outros	-	-	421,21x	11,13x	9,68x	12,08x	9,18x	14,91x	7,96x	9,12x	43,39x	9,43x
Anavex Life Sciences Cor	Com	US	NASDAQ	Outros	-	-	9,76x	4,65x	1,40x	17,44x	9,56x	7,84x	2,46x	6,16x	7,41x	7,00x
Andina Acquisition Corp	Com	US	NASDAQ	Outros	-	-	-	-	-	-	102,56x	50,69x	-	-	76,62x	76,62x
Angi Homeservices Inc	Com A	US	NASDAQ	Outros	-	-	13,65x	31,87x	83,37x	27,00x	47,17x	45,83x	52,29x	48,56x	0,04x	6,67x
Angiodynamics Inc	Com	US	NASDAQ	Outros	-	-	26,72x	24,29x	17,13x	22,61x	16,00x	33,91x	22,67x	22,49x	23,23x	22,64x
Anika Therapeutics, Inc	Com	US	NASDAQ	Outros	-	6,06282441	4,24x	12,42x	7,32x	8,09x	10,88x	12,66x	11,52x	9,28x	9,16x	9,28x
Anixa Biosciences Inc	Com	US	NASDAQ	Outros	-	-3,2199442	7,87x	5,67x	5,00x	31,81x	10,61x	5,05x	4,92x	4,61x	8,75x	5,05x
Antares Pharma, Inc	Com	US	NASDAQ	Outros	-	-46,017532	35,97x	25,27x	8,81x	7,40x	15,00x	21,33x	309,18x	680,71x	127,74x	25,27x
Apollo Education Group	Com A	US	NASDAQ	Outros	4,13946173	5,92774336	2,06x	3,81x	7,61x	1,28x	4,53x	-	-	-	4,20x	4,17x
Apollo Endosurgery, Inc	Com	US	NASDAQ	Outros	-	-16,152644	5,37x	5,99x	2,11x	0,15x	2,43x	8,02x	2,40x	3,27x	5,07x	3,27x
Applied Dna Sciences Inc	Com	US	NASDAQ	Outros	-	-	21,27x	11,45x	3,99x	10,31x	3,34x	3,78x	1,19x	1,87x	7,15x	3,88x
Apyx Medical Corp	Com	US	NASDAQ	Outros	-	40,0368697	22,22x	11,86x	12,82x	7,87x	28,41x	17,14x	10,61x	10,23x	4,08x	10,61x
Ark Restaurants Corp	Com	US	NASDAQ	Outros	-	-	3,90x	5,57x	6,12x	5,63x	6,54x	12,13x	8,61x	8,82x	7,17x	6,33x
Artesian Resources Corp	Com A	US	NASDAQ	Outros	-	-	13,22x	14,09x	13,23x	13,86x	14,38x	16,20x	15,61x	16,03x	14,58x	14,23x
Ascent Capital Group, Inc	Com A	US	NASDAQ	Outros	-	7,0162629	7,75x	8,94x	6,42x	5,77x	6,03x	6,32x	6,34x	6,56x	3,93x	6,32x
Athenahealth Inc	Com	US	NASDAQ	Outros	34,4061969	30,2850875	37,90x	76,09x	59,56x	56,22x	25,36x	24,93x	16,69x	-	40,88x	34,09x
Atricure, Inc	Com	US	NASDAQ	Outros	-	-65,677266	21,49x	42,83x	44,90x	35,45x	30,03x	40,61x	134,09x	240,36x	72,83x	42,83x
Atrion Corp	Com	US	NASDAQ	Outros	-	9,82646559	9,18x	11,74x	12,88x	12,99x	18,33x	22,06x	25,67x	30,85x	17,06x	12,99x
Autoweb, Inc	Com	US	NASDAQ	Outros	-	9,21095334	6,64x	26,52x	11,43x	20,37x	9,81x	3,29x	0,88x	1,59x	8,69x	9,21x
Avinger Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	6,97x	1,83x	1,10x	0,09x	1,21x	2,20x	1,21x
Avis Budget Group, Inc	Com	US	NASDAQ	Outros	11,0250526	4,08601584	4,26x	5,22x	5,91x	5,05x	5,11x	5,39x	4,89x	6,18x	5,12x	5,11x
Axonics Modulation Tech	Com	US	NASDAQ	Outros	-	-	-	-	-	-	-	-	9,14x	-	9,14x	9,14x
B. Riley Financial, Inc	Com	US	NASDAQ	Outros	-	6,21884752	6,61x	8,88x	18,46x	4,74x	5,03x	13,81x	12,47x	12,99x	5,81x	6,61x
Barrett Business Services	Com	US	NASDAQ	Outros	-	24,8206184	10,59x	21,03x	4,57x	7,85x	12,81x	11,72x	9,49x	11,31x	11,67x	11,31x
Bassett Furniture Industr	Com	US	NASDAQ	Outros	-	-1,1841519	8,84x	7,93x	6,99x	6,33x	6,85x	8,19x	5,77x	5,31x	6,11x	6,85x
Beasley Broadcast Group	Com A	US	NASDAQ	Outros	-	6,91624644	7,23x	9,92x	23,83x	8,81x	5,91x	8,49x	7,78x	7,52x	9,60x	7,78x







Emmis Comm Corp	Com A	US	NASDAQ	Outros	11,5436858	13,9914671	8,80x	9,79x	8,57x	-	9,35x	7,40x	1,96x	2,63x	2,70x	5,17x	7,40x									
Empire Resorts Inc	Com	US	NASDAQ	Outros	-	18,5874822	41,99x	-	9,88x	-	23,70x	-	5,60x	-	31,36x	-	49,46x	-	17,68x	-	22,35x	-	11,05x	-	17,68x	
Endologix Inc	Com	US	NASDAQ	Outros	-	-40,905876	-	42,53x	-	134,09x	-	40,02x	-	14,36x	-	7,01x	-	18,77x	-	5,14x	-	6,52x	-	34,37x	-	18,77x
Enernoc Inc	Com	US	NASDAQ	Outros	-	16,3068142	46,53x	6,64x	5,82x	-	0,62x	-	79,79x	-	-	-	-	-	-	-	-	-	-	0,85x	6,23x	
Englobal Corp	Com	US	NASDAQ	Outros	-	-173,20274	-	2,08x	26,31x	5,07x	5,55x	-	23,73x	-	2,76x	-	2,04x	-	2,68x	-	18,84x	-	2,08x			
Ensign Group, Inc	Com	US	NASDAQ	Outros	-	5,88433572	7,09x	12,54x	10,09x	9,99x	10,20x	10,99x	12,61x	23,01x	11,38x	10,20x										
Entegris Inc	Com	US	NASDAQ	Outros	-	5,49895084	6,65x	9,18x	13,89x	9,78x	10,44x	12,55x	10,43x	14,19x	10,29x	10,43x										
Entellus Medical Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	-	18,80x	-	14,13x	-	17,89x	-	-	-	-	-	-	-	16,94x	-	17,89x	
Escalade Inc	Com	US	NASDAQ	Outros	-	5,81023639	51,79x	9,69x	11,49x	11,56x	10,75x	10,71x	9,19x	-	15,12x	10,73x										
Etsy Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	-	20,55x	20,01x	56,08x	53,04x	58,53x	41,64x	53,04x									
Everquote, Inc	Com A	US	NASDAQ	Outros	-	-	-	-	-	-	-	-	-	5,01x	-	5,01x	-	5,01x	-	5,01x						
Evo Payments, Inc	Com A	US	NASDAQ	Outros	-	-	-	-	-	-	-	-	-	41,03x	-	41,03x	-	41,03x								
Exact Sciences Corp	Com	US	NASDAQ	Outros	-	-10,366173	-	10,30x	-	14,41x	-	21,11x	-	3,91x	-	7,23x	-	56,28x	-	64,25x	-	85,15x	-	30,33x	-	14,41x
Exactech Inc	Com	US	NASDAQ	Outros	-	8,62828471	6,83x	8,49x	7,56x	6,36x	14,69x	25,91x	-	-	11,21x	8,49x										
Exelixis, Inc	Com	US	NASDAQ	Outros	-	5,85369235	-	7,49x	-	7,20x	-	2,59x	-	15,75x	-	216,18x	51,45x	11,75x	12,24x	-	18,66x	-	2,59x			
Exlservice Hldg Inc	Com	US	NASDAQ	Outros	-	-	9,00x	8,20x	12,99x	13,54x	15,27x	16,59x	18,34x	21,20x	14,39x	14,41x										
Expedia Group, Inc	Com	US	NASDAQ	Outros	7,77752613	6,55169096	12,10x	13,83x	12,50x	19,29x	14,56x	12,67x	10,51x	9,96x	12,44x	12,50x										
Exponent Inc	Com	US	NASDAQ	Outros	-	8,57312889	9,61x	14,03x	13,56x	15,13x	20,13x	20,92x	24,88x	30,14x	17,44x	15,13x										
Facebook Inc	Com A	US	NASDAQ	Outros	-	-	42,46x	32,29x	33,12x	33,99x	20,46x	20,28x	11,48x	17,85x	26,49x	26,37x										
Famous Daves Of Americ	Com	US	NASDAQ	Outros	-	-	7,37x	10,63x	17,71x	12,98x	-	-	12,53x	4,63x	8,72x	7,07x	8,72x									
Fat Brands, Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	-	-	-	15,01x	16,37x	15,69x	15,69x										
Fiesta Restaurant Group,	Com	US	NASDAQ	Outros	-	-	9,76x	18,71x	20,46x	10,68x	11,90x	-	101,29x	10,61x	16,22x	-	0,37x	11,29x								
Finjan Hldg Inc	Com	US	NASDAQ	Outros	-	-0,5254003	1,71x	-	16,42x	-	4,49x	-	1,44x	29,69x	1,23x	0,75x	-	2,08x	0,94x	-	0,53x					
Flexsteel Industries Inc	Com	US	NASDAQ	Outros	-	-	5,96x	9,58x	7,43x	7,73x	9,88x	7,14x	7,72x	-	19,54x	4,49x	7,58x									
Fluent, Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	-	3,49x	-	10,03x	-	10,91x	12,58x	15,71x	0,77x	-	3,49x						
Fogo De Chao, Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	-	-	9,65x	8,73x	-	-	9,19x	9,19x									
Forrester Research, Inc	Com	US	NASDAQ	Outros	-	-	8,12x	16,87x	19,75x	14,05x	16,21x	18,77x	21,48x	34,93x	18,77x	17,82x										
Forward Industries, Inc	Com	US	NASDAQ	Outros	-	-	-	4,98x	-	1,90x	25,28x	11,96x	9,67x	260,29x	-	10,97x	42,76x	9,67x								
Foundation Medicine, Inc	Com	US	NASDAQ	Outros	-	-	-	14,89x	-	12,35x	-	6,55x	-	4,88x	-	16,86x	-	-	-	-	-	11,11x	-	12,35x		
Frp Hldg Inc	Com	US	NASDAQ	Outros	-	-	21,56x	22,91x	23,54x	15,79x	18,82x	20,51x	53,74x	52,62x	28,69x	22,24x										
Full House Resorts Inc	Com	US	NASDAQ	Outros	-	2,58746838	1,91x	7,25x	-	24,83x	6,27x	8,52x	10,22x	8,05x	9,22x	3,24x	7,25x									
Function(X) Inc	Com	US	NASDAQ	Outros	-	-	-	1,43x	-	0,68x	-	1,03x	-	0,41x	-	1,87x	-	-	-	-	-	-	1,08x	-	1,03x	
Funko, Inc	Com A	US	NASDAQ	Outros	-	-	-	-	-	-	-	-	7,33x	8,41x	11,78x	9,17x	8,41x									
G&K Services Inc	Com A	US	NASDAQ	Outros	-	-	9,98x	11,62x	12,46x	10,72x	14,90x	-	-	-	11,93x	11,62x										
Gaia, Inc	Com A	US	NASDAQ	Outros	-	-2,3871692	7,75x	-	6,71x	-	181,53x	14,89x	-	5,97x	-	7,67x	-	5,77x	-	5,25x	-	21,41x	-	5,77x		
Gaming Partners Intl Cor	Com	US	NASDAQ	Outros	-	3,93648139	2,97x	14,60x	13,10x	4,70x	8,17x	8,07x	9,67x	10,38x	8,40x	8,17x										
Gen Probe Inc	Com	US	NASDAQ	Outros	14,7050104	14,7585163	-	-	-	-	-	-	-	-	-	14,76x	14,76x									
Genmark Diagnostics, Inc	Com	US	NASDAQ	Outros	-	-2,4684571	-	11,76x	-	13,91x	-	13,94x	-	7,80x	-	12,25x	-	3,47x	-	6,59x	-	10,04x	-	9,14x	-	10,04x
Genomic Health Inc	Com	US	NASDAQ	Outros	-	41,7242987	53,11x	-	144,22x	-	54,33x	-	38,97x	-	136,48x	168,21x	57,89x	35,23x	-	1,98x	35,23x					
Gladstone Commercial C	Com	US	NASDAQ	Outros	-	-	14,03x	14,51x	19,48x	12,93x	14,38x	16,16x	13,01x	14,27x	14,85x	14,33x										
Global Water Resources,	Com	US	NASDAQ	Outros	-	-	-	-	-	-	-	22,71x	20,46x	18,97x	18,22x	20,09x	19,72x									
Golden Entertainment, Ir	Com	US	NASDAQ	Outros	-	-	-	10,89x	1,73x	-	0,92x	10,05x	9,83x	30,19x	8,66x	10,62x	7,41x	9,25x								
Good Times Restaurants	Com	US	NASDAQ	Outros	-	-	19,78x	15,35x	208,10x	73,72x	14,54x	20,19x	10,29x	9,18x	46,39x	17,56x										
Goodyear Tire & Rubber	Com	US	NASDAQ	Outros	4,72541916	3,3285465	3,66x	4,48x	5,58x	5,75x	5,34x	6,25x	4,98x	5,69x	5,01x	5,34x										
Grand Canyon Education	Com	US	NASDAQ	Outros	-	7,1430436	7,67x	11,21x	9,94x	7,59x	9,74x	12,26x	15,54x	21,16x	11,36x	9,94x										
Great Basin Scientific, Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	-	1,28x	-	0,15x	-	-	-	-	-	-	-	-	0,71x	-	0,71x		
Greensky, Inc	Com A	US	NASDAQ	Outros	-	-	-	-	-	-	-	-	-	4,00x	-	4,00x	4,00x									
Griffin Industrial Realty, I	Com	US	NASDAQ	Outros	-	-842,67128	88,50x	24,63x	16,43x	17,21x	17,10x	12,46x	18,16x	19,69x	-	69,83x	17,21x									
Groupon, Inc	Com	US	NASDAQ	Outros	-	-	12,80x	40,07x	34,39x	19,41x	33,77x	12,90x	6,53x	9,01x	21,11x	16,15x										
Guardant Health, Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	-	-	-	-	32,53x	-	32,53x	-	32,53x								

H&E Equipment Services	Com	US	NASDAQ	Outros	-	-	5,80x	6,88x	5,99x	4,52x	5,34x	6,70x	4,52x	5,63x	5,67x	5,71x
Habit Restaurants, Inc	Com A	US	NASDAQ	Outros	-	-	-	-	-	24,00x	14,40x	8,90x	9,01x	15,33x	14,33x	14,40x
Hackett Group, Inc	Com	US	NASDAQ	Outros	-	5,88785406	7,09x	10,45x	18,28x	18,90x	12,85x	12,74x	12,09x	12,64x	12,33x	12,64x
Hancock Jaffe Laboratori	Com	US	NASDAQ	Outros	-	-	-	-	-	-	-	-	12,55x	-	12,55x	12,55x
Hansen Medical Inc	Com	US	NASDAQ	Outros	-	-	7,78x	3,72x	1,88x	1,55x	-	-	-	-	3,73x	2,80x
Hasbro Inc	Com	US	NASDAQ	Outros	9,4017333	6,39412039	7,31x	11,29x	9,32x	10,26x	10,37x	11,38x	19,89x	19,30x	11,72x	10,37x
Healthcare Services Grou	Com	US	NASDAQ	Outros	-	17,8650364	20,29x	27,40x	55,67x	24,71x	21,67x	27,84x	26,09x	19,93x	26,83x	24,71x
Healthequity Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	42,24x	43,17x	38,86x	38,62x	40,45x	40,67x	40,45x
Healthstream Inc	Com	US	NASDAQ	Outros	-	19,4828966	27,05x	34,69x	25,40x	17,91x	24,91x	16,84x	12,91x	13,69x	21,43x	19,48x
Heartware Intl, Inc	Com	US	NASDAQ	Outros	-	-26,987486	18,41x	44,43x	69,06x	45,11x	-	-	-	-	13,18x	26,99x
Heidrick & Struggles Intl	Com	US	NASDAQ	Outros	-	-305,28007	5,15x	6,87x	5,69x	6,49x	5,53x	21,59x	3,83x	7,44x	31,76x	5,53x
Helios & Matheson Analy	Com	US	NASDAQ	Outros	-	11,4547667	11,05x	33,03x	20,02x	67,95x	5,58x	20,53x	0,09x	-	0,80x	8,32x
Hemisphere Media Grou	Com A	US	NASDAQ	Outros	-	-	-	20,04x	12,81x	11,03x	7,49x	10,34x	7,97x	8,46x	11,16x	10,34x
Heritage-Crystal Clean, Ir	Com	US	NASDAQ	Outros	-	31,4125465	19,32x	20,86x	-	-	13,11x	9,07x	13,69x	-	17,91x	16,50x
Hg Hldg Inc	Com	US	NASDAQ	Outros	-	-5,294118	6,85x	4,84x	14,94x	23,50x	1,78x	1,57x	-	-	1,68x	4,84x
Histogenics Corp	Com	US	NASDAQ	Outros	-	-	-	-	-	0,56x	0,16x	1,78x	0,34x	0,54x	0,48x	0,54x
Hms Hldg Corp	Com	US	NASDAQ	Outros	-	28,7788355	15,87x	15,85x	21,37x	11,11x	14,88x	15,39x	19,95x	21,73x	18,32x	15,87x
Hooker Furniture Corp	Com	US	NASDAQ	Outros	-	-	11,04x	9,07x	8,15x	8,27x	12,39x	9,81x	5,62x	5,95x	8,79x	8,67x
Houghton Mifflin Harcou	Com	US	NASDAQ	Outros	-	-	-	-	10,16x	17,50x	213,78x	9,93x	9,48x	10,10x	26,10x	10,01x
Hudson Global, Inc	Com	US	NASDAQ	Outros	-	5,2114397	550,24x	4,78x	5,88x	9,26x	6,73x	18,64x	0,60x	3,21x	59,81x	3,21x
Huron Consulting Group	Com	US	NASDAQ	Outros	-	13,2887294	9,53x	10,92x	10,54x	9,46x	10,53x	8,30x	13,97x	13,84x	9,31x	10,54x
Hyrecar Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	-	-	-	2,78x	-	2,78x	2,78x
Icad Inc	Com	US	NASDAQ	Outros	-	-0,7820605	34,64x	76,73x	21,21x	2,57x	5,71x	4,22x	8,68x	19,81x	2,39x	4,22x
Icf Intl, Inc	Com	US	NASDAQ	Outros	-	7,96437799	6,09x	8,40x	12,16x	9,09x	11,61x	10,51x	11,75x	14,14x	10,19x	10,51x
Icu Medical Inc	Com	US	NASDAQ	Outros	-	5,45220655	8,00x	8,65x	15,03x	16,13x	18,98x	78,39x	44,58x	34,51x	25,52x	16,13x
Ideanomics, Inc	Com	US	NASDAQ	Outros	-	-4,5269911	1,21x	3,61x	6,18x	5,57x	1,97x	29,88x	5,21x	326,28x	42,71x	5,21x
Ignite Restaurant Group,	Com	US	NASDAQ	Outros	-	-	8,58x	32,95x	22,74x	11,45x	15,42x	-	-	-	12,06x	11,45x
Ilg, Inc	Com	US	NASDAQ	Outros	-	6,37895427	8,44x	12,66x	10,26x	7,57x	13,29x	15,21x	-	-	10,55x	10,26x
Incyte Corp	Com	US	NASDAQ	Outros	49,6393799	-16,689089	73,47x	634,26x	339,86x	210,24x	92,09x	98,36x	65,76x	46,01x	149,63x	73,47x
Information Services Gro	Com	US	NASDAQ	Outros	-	-1,6753423	5,15x	9,23x	8,94x	9,95x	39,04x	11,73x	12,75x	12,68x	11,98x	9,95x
Innerworkings Inc	Com	US	NASDAQ	Outros	-	14,4936299	18,77x	58,54x	7,21x	86,34x	16,46x	13,68x	5,68x	6,12x	22,63x	14,49x
Inogen Inc	Com	US	NASDAQ	Outros	-	-	-	-	23,38x	24,27x	34,24x	57,94x	49,45x	29,54x	36,47x	31,89x
Inovio Pharmaceuticals, I	Com	US	NASDAQ	Outros	-	-	2,60x	31,62x	12,21x	10,06x	5,61x	3,07x	3,37x	3,34x	8,99x	4,49x
Insignia Systems Inc	Com	US	NASDAQ	Outros	-	0,07404187	2,63x	3,77x	16,47x	4,25x	26,12x	21,55x	2,49x	2,95x	2,53x	2,95x
Insulet Corp	Com	US	NASDAQ	Outros	-	-37,436466	73,52x	274,35x	256,07x	59,26x	166,57x	169,20x	68,96x	79,37x	32,84x	68,96x
Integra Lifesciences Hldg	Com	US	NASDAQ	Outros	-	11,6008356	11,44x	35,32x	18,08x	22,55x	19,79x	39,73x	22,18x	23,16x	22,65x	22,18x
Intercloud Systems, Inc	Com	US	NASDAQ	Outros	-	-0,6054482	8,86x	31,84x	16,01x	3,32x	-	-	-	-	12,13x	8,86x
Interdigital, Inc	Com	US	NASDAQ	Outros	5,05519439	9,38285648	2,87x	5,67x	6,68x	4,65x	4,85x	4,76x	11,39x	14,84x	7,23x	5,67x
Intergroup Corp	Com	US	NASDAQ	Outros	-	-	-	29,88x	15,08x	14,01x	17,24x	12,78x	7,61x	7,34x	14,85x	14,01x
Internap Corp	Com	US	NASDAQ	Outros	-	10,4454142	10,88x	15,65x	11,22x	10,42x	33,33x	10,23x	7,70x	7,88x	5,68x	10,42x
Interpace Diagnostics Gr	Com	US	NASDAQ	Outros	-	-18,151412	2,62x	9,52x	2,84x	0,22x	7,81x	4,90x	1,94x	2,30x	5,59x	2,84x
Intersect Ent, Inc	Com	US	NASDAQ	Outros	-	-	-	-	22,16x	19,90x	9,75x	52,86x	31,66x	24,65x	26,83x	23,40x
Intl Speedway Corp	Com A	US	NASDAQ	Outros	7,49761793	6,5564293	8,03x	10,06x	8,56x	9,23x	7,76x	8,50x	9,39x	9,56x	8,63x	8,56x
Intuitive Surgical Inc	Com	US	NASDAQ	Outros	15,6089218	23,0978279	19,50x	14,44x	29,10x	22,84x	20,52x	33,13x	39,00x	41,02x	26,96x	23,10x
Invivo Therapeutics Hldg	Com	US	NASDAQ	Outros	-	-16,319376	8,33x	9,24x	6,55x	8,22x	4,37x	0,59x	0,20x	0,11x	5,92x	6,55x
Invuity, Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	2,13x	1,60x	3,63x	-	-	2,45x	2,13x
Ipic Entertainment Inc	Com A	US	NASDAQ	Outros	-	-	-	-	-	-	-	-	1,31x	1,78x	1,54x	1,54x
Iradimed Corp	Com	US	NASDAQ	Outros	-	-	-	-	37,99x	24,14x	8,35x	51,50x	33,68x	29,97x	30,94x	31,82x
Irhythm Technologies, In	Com	US	NASDAQ	Outros	-	-	-	-	-	-	39,99x	47,34x	38,93x	43,16x	42,36x	41,57x
Isle Of Capri Casinos Inc	Com	US	NASDAQ	Outros	-	-	7,70x	10,49x	74,20x	7,17x	9,31x	-	-	-	21,77x	9,31x



Medovex Corp	Com	US	NASDAQ	Outros	-	-	-	-	-	1,99x	1,67x	-	-	-	1,83x	1,83x	
Meet Group, Inc	Com	US	NASDAQ	Outros	-	-10,684585	- 121,93x	- 12,73x	34,84x	12,78x	11,53x	- 5,18x	19,53x	13,90x	- 6,44x	11,53x	
Merit Medical Systems Ir	Com	US	NASDAQ	Outros	-	11,1227151	15,72x	14,96x	12,60x	13,53x	18,72x	27,65x	26,27x	25,14x	18,41x	15,72x	
Mgc Diagnostics Corp	Com	US	NASDAQ	Outros	-	20,4096423	- 36,96x	23,30x	- 136,36x	9,31x	- 22,11x	- 26,32x	-	-	- 24,11x	- 22,11x	
Middlesex Water Co	Com	US	NASDAQ	Outros	-	13,0296258	12,26x	11,52x	11,40x	11,71x	15,68x	15,38x	20,43x	22,55x	14,88x	13,03x	
Miller Herman Inc	Com	US	NASDAQ	Outros	-	-	12,27x	-	-	-	-	10,03x	7,81x	9,06x	9,79x	9,55x	
Mimedx Group, Inc	Com	US	NASDAQ	Outros	-	-12,054335	- 187,20x	2.128,48x	127,99x	36,46x	38,86x	37,02x	-	-	309,94x	37,02x	
Miragen Therapeutics, In	Com	US	NASDAQ	Outros	-	-	-	-	0,72x	0,16x	- 0,11x	- 7,44x	- 1,24x	- 1,15x	- 1,75x	- 0,93x	
Mitcham Industries Inc	Com	US	NASDAQ	Outros	-	-	2,76x	5,39x	2,50x	4,38x	- 14,66x	- 22,75x	- 4,62x	- 29,60x	- 7,07x	- 1,06x	
Monarch Casino & Resor	Com	US	NASDAQ	Outros	-	7,49916275	7,23x	7,71x	7,52x	8,31x	8,32x	14,03x	12,88x	15,72x	9,91x	8,31x	
Moneygram Intl Inc	Com	US	NASDAQ	Outros	-10,732789	-7,1363869	- 15,18x	- 4,34x	6,55x	7,64x	6,13x	10,32x	5,71x	5,64x	1,70x	5,71x	
Monro, Inc	Com	US	NASDAQ	Outros	-	-	12,46x	16,21x	14,83x	15,41x	13,43x	13,70x	14,43x	16,55x	14,63x	14,63x	
Morgans Hotel Group Co	Com	US	NASDAQ	Outros	-	-	72,88x	31,89x	28,07x	16,58x	16,36x	-	-	-	33,15x	28,07x	
Motus Gi Hldg Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	-	-	-	-	2,31x	- 3,41x	- 2,86x	- 2,86x
Multi Color Corp	Com	US	NASDAQ	Outros	-	-	7,96x	9,12x	10,75x	10,53x	11,73x	19,21x	7,93x	9,02x	10,78x	9,82x	
Nanosphere Inc	Com	US	NASDAQ	Outros	-	-	- 4,22x	- 4,56x	- 0,98x	- 0,21x	-	-	-	-	- 2,49x	- 2,60x	
Natera, Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	6,51x	- 5,82x	- 3,87x	- 7,82x	- 14,97x	- 7,80x	- 6,51x	
Nathans Famous Inc	Com	US	NASDAQ	Outros	-	-	9,45x	12,64x	15,45x	11,70x	12,10x	13,20x	12,13x	11,95x	12,33x	12,12x	
National American Unive	Com	US	NASDAQ	Outros	-	-	5,76x	5,19x	2,09x	5,88x	- 13,85x	- 6,28x	- 1,74x	-	- 0,42x	2,09x	
National Cinemedia, Inc	Com	US	NASDAQ	Outros	-	6,50879167	7,30x	8,14x	8,90x	10,07x	8,49x	7,31x	6,96x	8,26x	7,99x	8,14x	
National Research Corp	Com	US	NASDAQ	Outros	-	-	-	17,47x	12,02x	13,84x	14,55x	24,38x	23,80x	28,99x	19,29x	17,47x	
National Research Corp	Com B-old	US	NASDAQ	Outros	-	-	-	17,47x	12,02x	13,84x	14,55x	24,38x	23,80x	28,99x	19,29x	17,47x	
National Vision Hldg Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	-	-	25,70x	23,03x	26,31x	25,01x	25,70x	
Neogenomics Inc	Com	US	NASDAQ	Outros	-	38,7622944	24,51x	23,94x	28,38x	346,99x	26,18x	31,75x	39,47x	65,65x	69,52x	31,75x	
Netflix Inc	Com	US	NASDAQ	Outros	14,4799175	2,66532213	2,74x	8,55x	6,24x	12,70x	10,32x	12,10x	13,33x	16,78x	9,49x	10,32x	
Neurometrix, Inc	Com	US	NASDAQ	Outros	-	0,56015378	0,32x	0,07x	- 0,73x	0,43x	- 0,06x	- 0,00x	0,10x	0,03x	0,08x	0,07x	
Neuronetics, Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	-	-	-	-	14,68x	-	14,68x	- 14,68x
Newmark Group, Inc	Com A	US	NASDAQ	Outros	-	-	-	-	-	-	-	-	-	5,63x	6,23x	5,93x	5,93x
News Corp	Com A	US	NASDAQ	Outros	-	-	-	-	9,81x	19,30x	20,28x	18,26x	7,83x	5,80x	13,55x	14,03x	
News Corp	Com B	US	NASDAQ	Outros	-	-	-	-	9,81x	19,30x	20,28x	18,26x	7,83x	5,80x	13,55x	14,03x	
Nexstar Media Group, In	Com A	US	NASDAQ	Outros	-	8,03790475	7,03x	15,00x	10,93x	9,93x	10,29x	9,21x	6,85x	8,03x	9,48x	9,21x	
Nic Inc	Com	US	NASDAQ	Outros	-	18,2583185	19,99x	25,30x	15,05x	15,76x	17,14x	11,02x	7,59x	11,78x	15,77x	15,76x	
Noodles & Company	Com A	US	NASDAQ	Outros	-	-	-	29,90x	18,50x	48,93x	- 113,19x	- 5,34x	18,25x	31,52x	4,08x	18,50x	
Nova Lifestyle, Inc	Com	US	NASDAQ	Outros	-	9,67582412	5,58x	12,28x	9,32x	9,73x	- 348,40x	7,71x	3,35x	- 8,61x	- 33,26x	7,71x	
Nuvasive Inc	Com	US	NASDAQ	Outros	-	-15,074052	7,90x	13,83x	22,06x	12,01x	15,52x	13,69x	14,86x	15,33x	11,13x	13,83x	
Nuvectra Corp	Com	US	NASDAQ	Outros	-	-	-	-	-	-	0,05x	- 2,07x	- 5,78x	- 0,97x	- 2,22x	- 1,52x	
Nv5 Global, Inc	Com	US	NASDAQ	Outros	-	-	-	6,64x	7,27x	9,66x	13,96x	15,97x	14,35x	17,67x	12,22x	13,96x	
Nxt-Id, Inc	Com	US	NASDAQ	Outros	-	-	-	-	10,01x	- 0,90x	- 6,53x	98,60x	16,23x	34,98x	22,06x	7,66x	
Obalon Therapeutics Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	-	-	2,38x	- 0,94x	- 0,21x	- 1,18x	- 0,94x	
One Group Hospitality, Ir	Com	US	NASDAQ	Outros	-	-	-	26,84x	63,71x	- 11,18x	- 19,55x	171,19x	11,04x	17,53x	29,41x	11,04x	
Onvia Inc	Com	US	NASDAQ	Outros	-	3,71066627	6,89x	11,62x	12,39x	11,57x	14,61x	-	-	-	10,13x	11,60x	
Opgen Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	1,22x	- 1,21x	- 0,66x	- 0,69x	- 0,44x	- 0,85x	- 0,69x	
Orasure Technologies Inc	Com	US	NASDAQ	Outros	-	-91,782935	- 34,19x	- 45,73x	312,66x	19,08x	14,29x	21,22x	16,02x	12,24x	24,87x	14,29x	
Origo Acquisition Corp	Com	US	NASDAQ	Outros	-	-	-	-	-	133,73x	- 56,75x	- 50,71x	-	-	- 80,40x	- 56,75x	
Orthofix Medical Inc	Com	US	NASDAQ	Outros	-	-	7,57x	23,53x	12,13x	21,20x	13,92x	14,62x	18,55x	24,54x	17,01x	16,59x	
Orthopediatrics Corp	Com	US	NASDAQ	Outros	-	-	-	-	-	-	-	55,70x	- 69,02x	- 115,19x	- 79,97x	- 69,02x	
Outerwall Inc	Com	US	NASDAQ	Outros	-	4,04909675	3,66x	4,84x	4,70x	3,65x	-	-	-	-	4,18x	4,05x	
P F Changs China Bistro I	Com	US	NASDAQ	Outros	8,35117605	5,21451492	-	-	-	-	-	-	-	-	5,21x	5,21x	
Pace Hldg Corp	Com A	US	NASDAQ	Outros	-	-	-	-	-	-	127,91x	-	-	-	- 127,91x	- 127,91x	
Panera Bread Company	Com A	US	NASDAQ	Outros	11,2001554	13,2283494	11,84x	11,65x	11,54x	13,45x	12,90x	-	-	-	12,44x	12,37x	

Papa Johns Intl Inc	Com	US	NASDAQ	Outros	-	7,94523867	10,12x	11,38x	15,55x	13,67x	16,74x	12,38x	24,19x	36,60x	16,51x	13,67x
Papa Murphy'S Hldg Inc	Com	US	NASDAQ	Outros	-	-	-	-	12,83x	11,51x	8,47x	154,16x	8,72x	10,44x	17,03x	9,58x
Parexel Intl Corp	Com	US	NASDAQ	Outros	-	-	10,08x	10,79x	10,35x	14,34x	11,57x	-	-	-	11,43x	10,79x
Patrick Industries Inc	Com	US	NASDAQ	Outros	-	3,72945097	6,34x	7,41x	8,95x	10,10x	12,47x	13,53x	5,58x	7,23x	8,37x	7,41x
Paychex Inc	Com	US	NASDAQ	Outros	12,6046848	11,2028664	10,96x	14,82x	13,89x	14,46x	17,99x	19,63x	18,31x	21,18x	15,83x	14,82x
Paypal Hldg Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	19,73x	18,46x	28,58x	30,97x	42,24x	28,00x	28,58x
Peak Resorts Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	7,16x	14,36x	9,82x	10,59x	7,84x	9,96x	9,82x
Pendrell Corp	Com A	US	NASDAQ	Outros	-	-26,055581	14,71x	9,03x	5,89x	0,26x	0,27x	180,30x	-	-	17,88x	5,89x
Penn National Gaming In	Com	US	NASDAQ	Outros	12,4902918	6,68479103	9,03x	4,03x	38,59x	8,56x	7,13x	10,25x	12,46x	13,31x	2,76x	8,56x
Performant Financial Cor	Com	US	NASDAQ	Outros	-	-	8,53x	6,46x	8,79x	5,24x	6,26x	20,03x	16,47x	13,57x	7,28x	7,49x
Perma Fix Environmental	Com	US	NASDAQ	Outros	-	5,49167991	18,44x	1,57x	22,09x	10,43x	4,73x	50,84x	14,66x	17,90x	7,79x	4,73x
Pfsweb Inc	Com	US	NASDAQ	Outros	-	12,5324582	4,15x	24,67x	26,42x	24,08x	15,32x	10,84x	6,96x	8,58x	14,84x	12,53x
Pharmaceutical Product I	Com	US	NASDAQ	Outros	10,5132603	10,8244859	-	-	-	-	-	-	-	-	10,82x	10,82x
Pico Hldg Inc	Com	US	NASDAQ	Outros	-	-25,365665	24,79x	69,31x	13,42x	11,70x	27,26x	24,35x	56,10x	-	25,45x	25,08x
Pieris Pharmaceuticals, I	Com	US	NASDAQ	Outros	-	-	-	-	-	4,61x	1,39x	18,67x	0,53x	2,01x	5,44x	2,01x
Pinnacle Entertainment,	Com	US	NASDAQ	Outros	-	-	-	-	-	-	59,59x	8,61x	-	-	34,10x	34,10x
Pluralsight, Inc	Com A	US	NASDAQ	Outros	-	-	-	-	-	-	-	-	30,54x	-	30,54x	30,54x
Popeyes Louisiana Kitche	Com	US	NASDAQ	Outros	-	9,01328064	12,23x	15,02x	19,08x	16,88x	16,57x	-	-	-	14,80x	15,80x
Potbelly Corp	Com	US	NASDAQ	Outros	-	-	-	32,91x	11,53x	10,44x	8,43x	11,75x	14,33x	36,31x	17,96x	11,75x
Pra Group Inc	Com	US	NASDAQ	Outros	-	7,07123808	9,10x	9,31x	12,08x	9,94x	13,85x	14,26x	15,35x	17,45x	12,05x	12,08x
Pra Health Sciences, Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	14,04x	16,86x	26,30x	17,16x	16,66x	18,21x	16,86x
Precision Therapeutics In	Com	US	NASDAQ	Outros	-	-	-	-	3,34x	2,55x	1,34x	0,73x	1,39x	2,74x	2,01x	1,97x
Premier, Inc	Com A	US	NASDAQ	Outros	-	-	-	-	3,00x	4,27x	4,48x	2,74x	4,48x	4,53x	3,92x	4,37x
Prgx Global, Inc	Com	US	NASDAQ	Outros	-	8,02869708	6,07x	9,60x	17,24x	5,42x	11,40x	10,25x	12,72x	11,72x	10,27x	10,25x
Prism Technologies Grou	Com	US	NASDAQ	Outros	-	6,5501505	1,72x	2,31x	1,16x	0,36x	0,82x	-	-	-	1,76x	1,44x
Pro Dex Inc	Com	US	NASDAQ	Outros	-	-	3,26x	5,27x	15,61x	15,58x	12,28x	5,95x	9,95x	10,40x	3,75x	7,95x
Professional Diversity Ne	Com	US	NASDAQ	Outros	-	-	-	6,01x	12,78x	0,117x	26,48x	0,63x	0,29x	1,06x	0,79x	0,63x
Providence Service Corp	Com	US	NASDAQ	Outros	-	5,50300217	7,22x	6,83x	12,82x	11,15x	8,10x	11,03x	14,57x	18,70x	10,66x	11,03x
Psychemedics Corp	Com	US	NASDAQ	Outros	-	6,81927101	9,71x	11,26x	14,65x	18,17x	10,82x	9,86x	7,59x	5,47x	10,48x	9,86x
Pure Cycle Corp	Com	US	NASDAQ	Outros	-	-	5,14x	145,71x	84,34x	54,46x	59,73x	161,72x	162,38x	190,42x	19,79x	57,09x
Quest Resource Holding I	Com	US	NASDAQ	Outros	-	-	1,12x	28,44x	56,48x	29,53x	11,23x	36,58x	24,44x	27,12x	0,14x	6,17x
Quinstreet, Inc	Com	US	NASDAQ	Outros	-	-	5,75x	11,77x	2,35x	96,22x	21,10x	24,06x	25,89x	33,86x	3,73x	4,71x
Radnet, Inc	Com	US	NASDAQ	Outros	-	5,53925579	6,11x	5,77x	7,99x	8,80x	8,33x	8,63x	10,76x	14,99x	8,55x	8,33x
Raven Industries Inc	Com	US	NASDAQ	Outros	-	-	9,98x	17,92x	13,36x	19,00x	22,66x	17,29x	15,74x	16,85x	16,60x	17,07x
Rci Hospitality Hldg Inc	Com	US	NASDAQ	Outros	-	-	5,98x	6,84x	6,14x	6,79x	8,98x	11,48x	9,34x	8,62x	8,02x	7,73x
Rcm Technologies Inc	Com	US	NASDAQ	Outros	-	4,61475689	7,30x	21,01x	12,09x	8,21x	15,99x	48,85x	9,84x	12,50x	15,60x	12,09x
Reachlocal Inc	Com	US	NASDAQ	Outros	-	15,7846972	19,34x	12,83x	2,00x	1,46x	-	-	-	-	8,90x	12,83x
Reading Intl Inc	Com A	US	NASDAQ	Outros	-	7,03771275	7,64x	7,90x	10,67x	10,79x	13,54x	12,82x	10,19x	15,61x	10,69x	10,67x
Red Robin Gourmet Burg	Com	US	NASDAQ	Outros	-	6,26896826	6,03x	11,00x	11,02x	7,23x	10,73x	7,45x	6,26x	7,31x	8,14x	7,31x
Red Rock Resorts, Inc	Com A	US	NASDAQ	Outros	-	-	-	-	-	-	7,22x	8,95x	7,36x	8,37x	7,98x	7,87x
Redfin Corp	Com	US	NASDAQ	Outros	-	-	-	-	-	-	-	265,99x	29,45x	21,81x	105,75x	29,45x
Reis, Inc	Com	US	NASDAQ	Outros	-	13,0355123	17,53x	21,20x	21,45x	13,46x	20,08x	20,46x	-	-	18,17x	20,08x
Renova Health, Inc	Com	US	NASDAQ	Outros	-	-	0,83x	1,76x	0,52x	0,11x	0,60x	-	-	-	0,76x	0,60x
Rent A Center Inc De	Com	US	NASDAQ	Outros	3,08140231	3,06583575	2,59x	2,70x	3,03x	8,23x	1,82x	1,86x	1,67x	2,46x	1,22x	2,46x
Research Frontiers Inc	Com	US	NASDAQ	Outros	-	-14,358472	19,39x	20,81x	25,68x	28,22x	9,94x	10,37x	17,96x	45,74x	21,39x	19,39x
Resources Connection In	Com	US	NASDAQ	Outros	-	-	7,37x	10,17x	-	8,87x	11,44x	13,73x	9,53x	9,59x	10,10x	9,59x
Restoration Robotics, Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	-	-	7,59x	0,86x	1,34x	3,26x	1,34x
Retailmenot, Inc	Com	US	NASDAQ	Outros	-	-	-	19,92x	9,14x	8,26x	11,01x	-	-	-	12,08x	10,07x
Rightside Group, Ltd.	Com	US	NASDAQ	Outros	-	-	-	-	6,64x	14,54x	9,36x	-	-	-	3,94x	6,64x
Rimini Street, Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	-	64,64x	14,25x	3,75x	4,65x	10,50x	4,20x





Wilhelmina Intl, Inc	Com	US	NASDAQ	Outros	-	5,68152184	4,85x	9,85x	9,35x	12,76x	27,34x	53,89x	11,25x	14,41x	16,60x	11,25x
Willdan Group, Inc	Com	US	NASDAQ	Outros	-	6,62957244	0,61x	10,41x	13,18x	5,24x	11,65x	11,17x	23,15x	25,84x	11,85x	11,17x
Willscot Corp	Com A	US	NASDAQ	Outros	-	-	-	-	-	-	902,87x	19,74x	18,01x	18,01x	211,78x	18,01x
Wingstop Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	32,41x	30,56x	31,63x	48,63x	55,27x	39,70x	32,41x
Wynn Resorts Ltd	Com	US	NASDAQ	Outros	14,1530316	11,0122124	10,77x	14,12x	12,45x	14,14x	17,25x	14,75x	14,01x	12,73x	13,47x	14,01x
Xcel Brands, Inc	Com	US	NASDAQ	Outros	-	-	5,04x	12,89x	52,87x	25,68x	15,08x	10,13x	5,34x	9,20x	14,50x	11,05x
Xpresspa Group, Inc	Com	US	NASDAQ	Outros	-	-0,9791596	7,80x	6,06x	0,33x	1,30x	1,19x	5,14x	0,43x	6,79x	3,34x	1,30x
Xura, Inc	Com	US	NASDAQ	Outros	-	-	-	-	13,08x	15,42x	-	-	-	-	14,25x	14,25x
Yield10 Bioscience, Inc	Com	US	NASDAQ	Outros	-	-2,097852	1,43x	0,82x	1,35x	1,27x	0,43x	4,05x	0,28x	1,25x	1,13x	1,25x
Yogaworks, Inc	Com	US	NASDAQ	Outros	-	-	-	-	-	-	-	1,85x	0,11x	0,22x	0,65x	0,22x
York Water Co	Com	US	NASDAQ	Outros	-	12,4035371	11,99x	13,18x	13,63x	14,04x	19,51x	18,06x	17,27x	18,43x	15,39x	14,04x
Zillow Group, Inc	Com A	US	NASDAQ	Outros	-	66,2894705	39,51x	420,66x	706,72x	60,62x	71,98x	220,63x	789,43x	125,21x	160,90x	71,98x
Zillow Group, Inc	Com C	US	NASDAQ	Outros	-	66,2894705	39,51x	420,66x	706,72x	60,62x	71,98x	220,63x	789,43x	125,21x	160,90x	71,98x
Zovio Inc	Com	US	NASDAQ	Outros	-	3,07306463	0,74x	7,42x	7,79x	2,11x	4,14x	3,29x	10,93x	1,28x	3,14x	3,07x
Abraxas Petroleum Corp	Com	US	NASDAQ	Petróleo e Gas	-	14,5502764	42,79x	7,96x	4,58x	2,44x	9,27x	10,30x	3,62x	4,10x	8,46x	4,58x
Approach Resources Inc	Com	US	NASDAQ	Petróleo e Gas	-	20,3077009	15,02x	7,77x	3,72x	3,53x	17,93x	12,18x	7,34x	8,34x	9,90x	8,34x
Berry Petroleum Corp	Com	US	NASDAQ	Petróleo e Gas	-	-	-	-	-	-	-	-	3,61x	-	3,61x	3,61x
Brigham Exploration Co	Com	US	NASDAQ	Petróleo e Gas	26,445447	15,1848845	-	-	-	-	-	-	-	-	15,18x	15,18x
Carrizo Oil & Gas Inc	Com	US	NASDAQ	Petróleo e Gas	-	13,9222817	6,68x	7,97x	4,52x	3,20x	9,99x	7,72x	3,47x	4,17x	3,92x	4,52x
Clean Energy Fuels Corp	Com	US	NASDAQ	Petróleo e Gas	-	-175,78513	40,21x	212,00x	1.150,82x	45,23x	13,76x	5,06x	6,20x	23,99x	166,08x	5,06x
Delta Natural Gas Co Inc	Com	US	NASDAQ	Petróleo e Gas	-	-	9,70x	10,13x	9,73x	10,65x	13,19x	-	-	-	10,68x	10,13x
Diamondback Energy, Inc	Com	US	NASDAQ	Petróleo e Gas	-	-	15,45x	18,02x	10,49x	9,50x	74,83x	14,70x	8,29x	11,99x	18,03x	13,35x
Extraction Oil & Gas, Inc	Com	US	NASDAQ	Petróleo e Gas	-	-	-	-	-	-	31,83x	11,78x	2,56x	2,66x	3,71x	2,61x
Gulfport Energy Corp	Com	US	NASDAQ	Petróleo e Gas	11,4585554	8,10414143	11,98x	26,97x	8,41x	3,51x	4,89x	4,66x	3,58x	3,72x	6,56x	4,66x
Harvest Oil & Gas Corp	Com	US	NASDAQ	Petróleo e Gas	-	27,3862802	37,12x	24,51x	23,51x	4,40x	6,90x	29,57x	-	-	10,24x	23,51x
Isramco Inc	Com	US	NASDAQ	Petróleo e Gas	-	14,0625285	15,17x	38,67x	14,85x	26,97x	18,99x	11,35x	11,41x	10,59x	12,01x	14,06x
Jensyn Acquisition Corp	Com	US	NASDAQ	Petróleo e Gas	-	-	-	-	-	-	98,49x	78,18x	31,06x	26,18x	58,48x	54,62x
Memorial Resource Deve	Com	US	NASDAQ	Petróleo e Gas	-	-	-	-	186,89x	17,19x	-	-	-	-	84,85x	84,85x
Nextdecade Corp	Com	US	NASDAQ	Petróleo e Gas	-	-	-	-	-	436,61x	221,43x	23,74x	12,01x	13,76x	141,51x	23,74x
Pdc Energy, Inc	Com	US	NASDAQ	Petróleo e Gas	-	7,52626083	231,04x	16,18x	4,95x	11,33x	48,55x	17,96x	4,88x	6,98x	12,52x	7,53x
Primeenergy Resources C	Com	US	NASDAQ	Petróleo e Gas	-	2,11260912	3,63x	5,09x	3,60x	13,54x	4,55x	1,99x	3,47x	5,77x	4,86x	3,63x
Rex Energy Corp	Com	US	NASDAQ	Petróleo e Gas	-	23,0240301	20,65x	18,55x	41,78x	2,56x	12,36x	18,01x	-	-	15,30x	18,55x
RGC Resources Inc	Com	US	NASDAQ	Petróleo e Gas	-	-	8,99x	8,72x	10,07x	9,63x	9,95x	14,85x	17,83x	15,57x	11,95x	10,01x
Synthesis Energy System	Com	US	NASDAQ	Petróleo e Gas	-	-	3,26x	2,20x	1,70x	4,75x	4,04x	1,01x	1,09x	0,75x	2,35x	1,95x
Tellurian Inc	Com	US	NASDAQ	Petróleo e Gas	-	-	1,60x	2,18x	3,15x	0,21x	11,68x	8,16x	12,67x	15,77x	6,53x	5,65x
Torchlight Energy Resour	Com	US	NASDAQ	Petróleo e Gas	-	-10,067584	14,78x	11,76x	5,39x	0,89x	8,51x	27,75x	14,97x	32,92x	14,12x	11,76x
Us Energy Corp	Com	US	NASDAQ	Petróleo e Gas	-	9,22556312	9,47x	12,03x	3,47x	0,12x	1,04x	64,89x	8,89x	3,71x	4,94x	0,12x
Vertex Energy Inc	Com	US	NASDAQ	Petróleo e Gas	-	4,49203765	21,56x	6,99x	23,00x	7,67x	14,62x	118,17x	7,37x	17,75x	14,56x	6,99x
Abeona Therapeutics Inc	Com	US	NASDAQ	Química	-	-4,4163175	1,39x	1,57x	2,97x	3,88x	5,41x	22,28x	4,97x	5,04x	5,11x	4,42x
Acadia Pharmaceuticals I	Com	US	NASDAQ	Química	-	-1,1579108	7,43x	56,83x	30,75x	20,37x	10,94x	11,72x	7,03x	11,49x	17,52x	11,49x
Acceleron Pharma Inc	Com	US	NASDAQ	Química	-	-	-	126,11x	19,89x	25,23x	12,78x	15,33x	14,26x	13,53x	3,59x	14,26x
Acelrx Pharmaceuticals II	Com	US	NASDAQ	Química	-	-1,1175576	1,83x	67,69x	6,66x	4,40x	1,98x	1,70x	1,43x	4,00x	10,09x	1,98x
Acer Therapeutics Inc	Com	US	NASDAQ	Química	-	-2,4888631	0,73x	1,80x	0,71x	0,56x	0,42x	5,38x	7,41x	6,23x	2,86x	1,80x
Achaogen, Inc	Com	US	NASDAQ	Química	-	-	-	-	8,77x	2,38x	6,70x	2,57x	0,41x	0,14x	3,50x	2,48x
Achieve Life Sciences, Inc	Com	US	NASDAQ	Química	-	-	4,72x	2,51x	0,18x	0,96x	0,49x	1,70x	0,51x	0,96x	1,01x	0,57x
Achillion Pharmaceutical	Com	US	NASDAQ	Química	-	-	12,32x	3,51x	16,06x	81,74x	3,20x	1,08x	0,67x	2,29x	14,94x	3,36x
Aclaris Therapeutics, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	22,27x	9,17x	7,87x	1,23x	0,91x	8,29x	7,87x
Acorda Therapeutics Inc	Com	US	NASDAQ	Química	-	14,1628263	22,24x	23,46x	32,20x	29,38x	246,55x	5,26x	10,07x	25,79x	10,50x	22,24x
Acura Pharmaceuticals, II	Com	US	NASDAQ	Química	-	11,4840355	7,74x	4,60x	1,73x	7,25x	2,04x	-	-	-	1,98x	3,32x
Adamas Pharmaceuticals	Com	US	NASDAQ	Química	-	-	-	-	10,12x	7,39x	4,26x	8,13x	1,22x	0,87x	1,96x	2,74x



Adamis Pharmaceuticals	Com	US	NASDAQ	Química	-	-	-	37,93x	8,19x	-	7,37x	-	5,32x	-	3,15x	-	6,20x	-	2,47x	-	2,26x	-	7,06x	-	4,23x	
Adma Biologics, Inc	Com	US	NASDAQ	Química	-	-	-	-	3,26x	-	6,22x	-	5,68x	-	4,24x	-	3,81x	-	2,37x	-	4,33x	-	4,27x	-	4,24x	
Aduro Biotech, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	112,53x	-	6,20x	-	2,49x	-	0,58x	-	0,18x	-	24,17x	-	2,49x	
Advaxis, Inc	Com	US	NASDAQ	Química	-	-2,7752232	-	1,16x	-	0,06x	-	8,61x	-	4,62x	-	1,75x	-	0,48x	-	0,45x	-	0,48x	-	2,06x	-	1,16x
Aegerion Pharmaceutical	Com	US	NASDAQ	Química	-	-7,4965622	-	9,68x	-	32,62x	-	17,95x	-	20,81x	-	-	-	-	-	-	-	-	17,71x	-	17,95x	
Aeglea Biotherapeutics, I	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	-	0,23x	-	1,45x	-	2,29x	-	1,15x	-	1,17x	-	1,30x	
Aemetis, Inc	Com	US	NASDAQ	Química	-	-	-	17,87x	7,56x	5,63x	53,15x	14,16x	-	92,81x	141,76x	-	42,50x	8,63x	6,59x	-	-	-	-	-	-	
Aerie Pharmaceuticals In	Com	US	NASDAQ	Química	-	-	-	-	18,43x	-	13,86x	-	8,51x	-	12,14x	-	14,36x	-	6,99x	-	7,88x	-	11,74x	-	12,14x	
Aevi Genomic Medicine,	Com	US	NASDAQ	Química	-	-1,9542929	-	6,79x	-	5,01x	-	3,33x	-	3,98x	-	3,66x	-	1,08x	-	1,08x	-	0,22x	-	3,01x	-	3,33x
Agenus Inc	Com	US	NASDAQ	Química	-	-3,8662602	-	22,53x	-	3,08x	-	5,14x	-	4,15x	-	4,03x	-	4,39x	-	2,09x	-	5,23x	-	6,06x	-	4,15x
Agile Therapeutics Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	4,85x	-	6,12x	-	4,56x	-	2,55x	-	0,62x	-	2,97x	-	3,61x	-	3,76x	
Agios Pharmaceuticals In	Com	US	NASDAQ	Química	-	-	-	-	15,60x	-	67,85x	-	18,52x	-	6,23x	-	7,52x	-	5,84x	-	6,86x	-	18,35x	-	7,52x	
Aileron Therapeutics Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	-	-	-	4,53x	0,09x	-	0,80x	-	1,75x	-	0,80x		
Aimmune Therapeutics, I	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	16,53x	-	7,72x	-	13,21x	-	5,13x	-	4,66x	-	9,45x	-	7,72x	
Akari Therapeutics Plc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	12,33x	-	1,43x	-	1,01x	-	0,97x	-	1,91x	-	3,53x	-	1,43x	
Akcea Therapeutics, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	-	-	-	8,29x	-	10,72x	-	9,50x	-	9,50x	-	9,50x	
Akebia Therapeutics, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	3,40x	-	4,23x	-	1,02x	-	4,89x	-	1,28x	-	2,81x	-	2,94x	-	3,10x	
Akers Biosciences, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	3,52x	-	0,19x	-	3,36x	-	0,32x	-	0,88x	-	0,39x	-	1,34x	-	0,63x	
Akorn Inc	Com	US	NASDAQ	Química	27,5757838	26,4409552	16,68x	24,10x	26,35x	12,76x	7,84x	61,57x	-	3,40x	-	3,47x	18,76x	16,68x	-	-	-	-	-	-	-	
Albireo Pharma, Inc	Com	US	NASDAQ	Química	-	-	0,05x	-	0,67x	-	0,61x	-	0,85x	-	7,55x	-	7,16x	-	3,43x	-	5,37x	-	2,99x	-	2,05x	
Alder Biopharmaceutical	Com	US	NASDAQ	Química	-	-	-	-	-	-	88,41x	-	13,27x	-	4,45x	-	1,73x	-	1,67x	-	1,98x	-	10,88x	-	1,86x	
Aldeyra Therapeutics, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	4,62x	-	3,31x	-	2,38x	-	3,96x	-	4,23x	-	3,23x	-	3,62x	-	3,64x	
Alexion Pharmaceuticals,	Com	US	NASDAQ	Química	41,6547356	51,1136624	40,57x	44,09x	37,47x	63,66x	27,65x	25,33x	34,62x	33,09x	39,73x	37,47x	-	-	-	-	-	-	-	-	-	
Alimera Sciences Inc	Com	US	NASDAQ	Química	-	-0,5249759	-	0,13x	-	4,13x	-	6,37x	-	3,07x	-	3,02x	-	8,31x	-	12,24x	-	31,93x	-	7,75x	-	4,13x
Allakos Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43,22x	-	-	-	43,22x	-	43,22x	
Allena Pharmaceuticals, I	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	-	-	-	5,89x	-	1,73x	-	1,75x	-	3,12x	-	1,75x	
Allogene Therapeutics, Ir	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14,88x	-	-	-	14,88x	-	14,88x	
Alnylam Pharmaceuticals	Com	US	NASDAQ	Química	-4,6758011	-4,0613954	-	6,92x	-	46,34x	-	17,21x	-	24,90x	-	6,68x	-	20,79x	-	7,81x	-	7,47x	-	15,80x	-	7,81x
Alpine Immune Sciences,	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	1,42x	0,83x	-	5,38x	-	0,08x	-	1,13x	-	1,44x	-	1,13x	-	1,13x
Amgen Inc	Com	US	NASDAQ	Química	7,28594411	10,6235867	10,29x	13,81x	15,07x	11,59x	8,85x	10,05x	10,54x	9,21x	11,12x	10,54x	-	-	-	-	-	-	-	-	-	
Amicus Therapeutics, Inc	Com	US	NASDAQ	Química	-	-	-	0,67x	-	0,79x	-	7,78x	-	8,08x	-	2,97x	-	5,01x	-	5,20x	-	7,63x	-	4,77x	-	5,11x
Amphastar Pharmaceutic	Com	US	NASDAQ	Química	-	-	-	-	-	-	139,81x	96,89x	26,86x	59,38x	111,29x	66,71x	36,89x	63,05x	-	-	-	-	-	-	-	
Amylin Pharmaceuticals I	Com	US	NASDAQ	Química	-38,990177	-4,7787008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,78x	-	4,78x	
Amyris, Inc	Com	US	NASDAQ	Química	-	-2,8051745	-	1,20x	-	4,62x	-	3,17x	-	5,34x	-	4,56x	-	12,97x	-	60,76x	-	72,80x	-	18,69x	-	4,62x
Anaptysbio Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	-	-	-	74,58x	-	19,39x	-	20,00x	-	37,99x	-	20,00x	
Anthera Pharmaceuticals	Com	US	NASDAQ	Química	-	-2,2565569	-	0,82x	-	1,92x	-	1,21x	-	3,95x	-	0,11x	-	0,57x	-	-	-	-	1,55x	-	1,21x	
Apellis Pharmaceuticals,	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	-	-	-	18,58x	-	4,65x	-	5,55x	-	9,59x	-	5,55x	
Applied Genetic Technol	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	10,66x	4,87x	5,46x	2,90x	-	20,75x	-	3,64x	-	2,90x	-	2,90x		
Aptinyx Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	-	-	-	7,41x	-	-	-	7,41x	-	7,41x	-	7,41x	
Aquestive Therapeutics, I	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,27x	-	-	-	3,27x	-	3,27x	
Aratana Therapeutics, In	Com	US	NASDAQ	Química	-	-	-	-	21,93x	-	13,54x	-	1,70x	-	7,42x	-	4,57x	-	25,85x	-	22,19x	-	13,89x	-	13,54x	
Aravive, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	8,10x	-	2,21x	-	3,30x	-	0,03x	-	0,14x	-	0,40x	-	2,31x	-	1,30x	
Arcadia Biosciences, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	7,58x	-	0,86x	-	0,09x	-	0,40x	-	0,42x	-	1,67x	-	0,42x	
Ardelyx, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	192,50x	-	12,93x	-	4,24x	-	2,90x	-	0,09x	-	0,94x	-	35,57x	-	3,57x	
Arena Pharmaceuticals Ir	Com	US	NASDAQ	Química	-	-4,0878396	-	39,90x	-	77,38x	-	6,99x	-	4,01x	-	41,81x	-	13,12x	-	10,82x	-	2,65x	-	21,72x	-	10,82x
Argos Therapeutics Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	3,18x	-	1,12x	-	3,69x	-	0,28x	-	-	-	-	-	2,07x	-	2,15x	
Ariad Pharmaceuticals In	Com	US	NASDAQ	Química	4,98199758	-22,66633	-	15,47x	-	4,22x	-	8,50x	-	6,77x	-	21,80x	-	-	-	-	-	-	13,24x	-	11,98x	
Aridis Pharmaceuticals, I	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,75x	-	2,75x	
Arqule Inc	Com	US	NASDAQ	Química	-	-25,362545	-	10,68x	-	2,73x	-	0,75x	-	7,10x	-	2,57x	-	4,14x	-	17,18x	-	35,35x	-	11,76x	-	7,10x
Array Biopharma Inc	Com	US	NASDAQ	Química	-	-	-	14,90x	-	15,71x	-	8,42x	-	173,97x	-	18,00x	-	20,11x	-	28,19x	-	41,11x	-	3,44x	-	16,86x



Chembio Diagnostics, Inc	Com	US	NASDAQ	Química	-	15,5880989	17,72x	13,50x	41,07x	21,22x	11,07x	18,70x	12,02x	14,29x	7,95x	12,02x
Chemocentryx, Inc	Com	US	NASDAQ	Química	-	-	7,56x	2,99x	4,75x	6,06x	5,85x	9,91x	9,91x	12,24x	4,93x	5,95x
Chiasma, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	9,13x	0,75x	0,91x	1,05x	4,55x	2,62x	1,05x
Chimerix Inc	Com	US	NASDAQ	Química	-	-	-	10,71x	21,62x	1,66x	0,25x	0,94x	0,78x	2,26x	5,17x	1,66x
Chromadex Corp	Com	US	NASDAQ	Química	-	-5,3499016	4,32x	38,27x	20,39x	78,66x	68,14x	15,23x	5,16x	7,32x	26,98x	15,23x
Cidara Therapeutics, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	4,01x	1,64x	1,31x	0,01x	0,14x	1,42x	1,31x
Citius Pharmaceuticals, Ir	Com	US	NASDAQ	Química	-	-	-	-	-	-	2,38x	0,81x	2,08x	1,76x	2,08x	
Clovix Oncology, Inc	Com	US	NASDAQ	Química	-	-	3,73x	17,90x	11,07x	2,93x	4,67x	13,07x	3,08x	3,24x	7,46x	4,20x
Codexis Inc	Com	US	NASDAQ	Química	-	-37,392273	2,15x	0,92x	5,89x	62,91x	42,62x	17,02x	83,67x	95,85x	38,71x	37,39x
Coherus Biosciences, Inc	Com	US	NASDAQ	Química	-	-	-	-	6,53x	3,38x	10,76x	2,13x	3,23x	7,87x	5,65x	4,96x
Collegium Pharmaceutica	Com	US	NASDAQ	Química	-	-	-	-	-	17,96x	3,17x	6,44x	4,83x	4,53x	3,64x	3,17x
Colucid Pharmaceuticals, Com	US	NASDAQ	Química	-	-	-	-	-	-	2,03x	11,35x	-	-	-	6,69x	6,69x
Conatus Pharmaceuticals	Com	US	NASDAQ	Química	-	-	-	3,99x	3,40x	0,91x	2,06x	4,39x	0,63x	0,25x	2,16x	2,06x
Concert Pharmaceuticals	Com	US	NASDAQ	Química	-	-	-	-	5,88x	10,61x	2,66x	4,12x	2,40x	1,52x	0,38x	1,96x
Constellation Pharmaceu	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	0,18x	-	0,18x	0,18x
Contrafact Corp	Com	US	NASDAQ	Química	-	-	-	-	3,74x	4,03x	1,15x	1,08x	2,99x	0,67x	2,27x	2,07x
Contravir Pharmaceutica	Com	US	NASDAQ	Química	-	-	-	-	7,37x	1,60x	2,88x	1,08x	0,22x	0,46x	2,27x	1,34x
Corbus Pharmaceuticals	Com	US	NASDAQ	Química	-	-	-	-	26,94x	5,66x	18,13x	10,13x	5,21x	5,28x	11,89x	7,90x
Corcept Therapeutics Inc	Com	US	NASDAQ	Química	-	-7,6846129	2,25x	7,26x	11,41x	161,91x	74,78x	37,23x	14,89x	12,10x	5,72x	2,25x
Corium Intl, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	8,16x	4,01x	8,74x	-	-	6,97x	8,16x
Corvus Pharmaceuticals, Com	US	NASDAQ	Química	-	-	-	-	-	-	4,59x	2,29x	1,39x	1,82x	2,52x	2,05x	
Crinetics Pharmaceutical	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	19,72x	-	19,72x	19,72x
Csw Industrials, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	14,93x	12,49x	10,64x	12,79x	12,72x	12,64x
Cti Biopharma Corp	Com	US	NASDAQ	Química	-	-2,9806621	0,76x	4,81x	3,56x	1,85x	1,88x	2,22x	0,33x	0,08x	1,96x	1,88x
Cubist Pharmaceuticals II	Com	US	NASDAQ	Química	3,35786024	11,7260818	7,04x	51,48x	29,94x	-	-	-	-	25,05x	20,83x	
Cumberland Pharmaceut	Com	US	NASDAQ	Química	-	3,88259813	1,39x	15,20x	8,79x	10,42x	40,98x	55,78x	17,97x	52,32x	8,42x	1,39x
Curis Inc	Com	US	NASDAQ	Química	-	-	13,14x	23,62x	6,96x	5,62x	7,08x	1,94x	1,16x	0,50x	7,50x	6,29x
Cyanotech Corp	Com	US	NASDAQ	Química	-	-	8,27x	11,99x	53,67x	22,81x	41,33x	6,70x	37,84x	39,49x	8,43x	10,13x
Cyclacel Pharmaceuticals	Com	US	NASDAQ	Química	-	-0,4673302	2,31x	2,46x	0,36x	0,19x	0,43x	0,34x	1,04x	0,48x	0,36x	0,19x
Cymbabay Therapeutics, Ir	Com	US	NASDAQ	Química	-	-	-	-	4,89x	0,30x	1,30x	14,84x	3,90x	7,04x	5,38x	4,39x
Cytokinetics Inc	Com	US	NASDAQ	Química	-	-0,4396589	0,50x	3,41x	14,72x	8,41x	18,83x	1,81x	2,16x	5,51x	2,01x	2,16x
Cytomx Therapeutics, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	18,39x	3,88x	9,87x	3,13x	1,47x	7,35x	3,88x
Cytrx Corp	Com	US	NASDAQ	Química	-	-0,2444012	0,89x	8,18x	1,52x	1,89x	0,06x	0,65x	0,89x	0,22x	1,37x	0,65x
Dare Bioscience, Inc	Com	US	NASDAQ	Química	-	-	-	-	3,83x	0,58x	0,07x	0,49x	0,08x	0,92x	0,97x	0,54x
Deciphera Pharmaceutic	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	10,70x	4,80x	4,97x	6,82x	4,97x
Denali Therapeutics Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	35,94x	27,06x	31,50x	31,50x
Dendreon Corp	Com	US	NASDAQ	Química	-17,645891	-5,0654255	3,86x	4,94x	-	-	-	-	-	-	4,62x	4,94x
Dermira, Inc	Com	US	NASDAQ	Química	-	-	-	-	11,14x	10,58x	9,34x	3,01x	1,47x	2,34x	6,31x	6,18x
Dicerna Pharmaceuticals	Com	US	NASDAQ	Química	-	-	-	-	4,44x	2,41x	0,24x	2,10x	4,06x	4,41x	2,94x	3,23x
Dimension Therapeutics, Com	US	NASDAQ	Química	-	-	-	-	-	4,56x	0,79x	-	-	-	2,68x	2,68x	
Dnib Unwind, Inc	Com	US	NASDAQ	Química	-	-	-	7,45x	1,63x	0,69x	-	-	-	-	3,26x	1,63x
Dova Pharmaceuticals In	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	23,11x	1,85x	3,21x	9,39x	3,21x
Durect Corp	Com	US	NASDAQ	Química	-	-4,2292279	3,07x	7,57x	3,77x	12,76x	5,63x	67,50x	2,79x	5,49x	11,85x	5,49x
Dynavax Technologies Cc	Com	US	NASDAQ	Química	-	-7,4502478	6,11x	5,07x	3,71x	7,11x	0,65x	10,26x	3,50x	2,89x	5,19x	5,07x
Eagle Pharmaceuticals, Ir	Com	US	NASDAQ	Química	-	-	-	-	-	487,75x	21,33x	9,37x	13,93x	13,67x	109,21x	13,93x
Editas Medicine, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	4,76x	8,58x	6,80x	7,11x	6,81x	6,95x	
Egalet Corp	Com	US	NASDAQ	Química	-	-	-	-	1,25x	3,85x	2,49x	0,82x	-	-	2,10x	1,87x
Eidos Therapeutics, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	9,48x	-	9,48x	9,48x
Eiger Biopharmaceuticals	Com	US	NASDAQ	Química	-	-	-	-	11,86x	0,06x	1,15x	2,92x	2,35x	3,67x	3,67x	2,63x
Elizabeth Arden Inc	Com	US	NASDAQ	Química	-	-	12,73x	12,35x	7,04x	7,36x	-	-	-	-	2,67x	2,65x







Opko Health, Inc	Com	US	NASDAQ	Química	-69,902816	-70,229625	- 52,54x	- 55,06x	- 34,02x	- 97,14x	215,48x	- 15,14x	- 22,85x	- 13,13x	- 16,07x	- 34,02x
Optinose, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	- 11,45x	- 1,28x	- 2,88x	- 5,20x	- 2,88x
Oramed Pharmaceuticals	Com	US	NASDAQ	Química	-	-	- 6,99x	- 25,41x	- 5,84x	- 12,02x	- 7,55x	- 11,24x	- 2,80x	- 2,78x	- 9,33x	- 7,27x
Orexigen Therapeutics, Ir	Com	US	NASDAQ	Química	-	2,66032245	- 3,26x	- 6,21x	- 21,11x	- 2,11x	- 1,65x	- 0,80x	-	-	- 4,64x	- 2,11x
Osiris Therapeutics, Inc	Com	US	NASDAQ	Química	-	8,23869664	- 25,02x	- 216,06x	- 82,51x	- 73,29x	- 29,35x	-	-	-	- 69,67x	- 51,32x
Osmotica Pharmaceutica	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	- 35,66x	-	- 35,66x	- 35,66x
Otonomy, Inc	Com	US	NASDAQ	Química	-	-	-	-	- 13,96x	- 7,92x	- 2,58x	- 0,54x	0,50x	- 0,65x	- 4,19x	- 1,61x
Ovid Therapeutics Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	- 2,40x	- 0,34x	- 0,15x	- 0,96x	- 0,34x
Pacific Ethanol, Inc	Com	US	NASDAQ	Química	-	9,68392796	- 8,51x	5,36x	2,15x	54,66x	8,27x	27,62x	- 26,94x	- 26,06x	5,14x	5,36x
Pacira Biosciences, Inc	Com	US	NASDAQ	Química	-	-3,0091896	- 12,86x	- 45,34x	331,00x	108,56x	- 78,71x	3.204,89x	38,56x	32,76x	397,32x	32,76x
Paratek Pharmaceuticals	Com	US	NASDAQ	Química	-	-17,648929	0,22x	0,26x	4,51x	- 3,21x	- 2,42x	- 4,89x	- 1,36x	- 1,08x	- 2,85x	- 1,36x
PDL Biopharma, Inc	Com	US	NASDAQ	Química	4,24093449	2,7399163	3,15x	3,47x	2,47x	1,09x	2,25x	0,58x	- 6,54x	- 5,32x	0,43x	2,25x
Pds Biotechnology Corp	Com	US	NASDAQ	Química	-	-	-	-	-	- 8,96x	- 6,88x	- 4,29x	0,57x	-	- 4,89x	- 5,59x
Pernix Therapeutics Hldg	Com	US	NASDAQ	Química	-	13,6544617	167,98x	- 2,16x	122,55x	- 301,15x	- 6,12x	11,36x	- 56,59x	-	- 6,31x	4,60x
Pharmacyclics Inc	Com	US	NASDAQ	Química	-12,566305	27,9586389	43,43x	71,51x	66,08x	-	-	-	-	-	52,25x	54,76x
Pharmasset Inc	Com	US	NASDAQ	Química	-18,942617	-104,77757	-	-	-	-	-	-	-	-	- 104,78x	- 104,78x
Phasebio Pharmaceutical	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	- 1,13x	-	- 1,13x	- 1,13x
Phibro Animal Health Co	Com A	US	NASDAQ	Química	-	-	-	-	-	13,26x	12,88x	12,53x	11,93x	11,26x	12,37x	12,53x
Phio Pharmaceuticals Co	Com	US	NASDAQ	Química	-	-	- 0,53x	- 0,93x	- 2,90x	- 1,41x	0,74x	- 0,69x	1,22x	0,18x	- 0,54x	- 0,61x
Plx Pharma Inc	Com	US	NASDAQ	Química	-	-	-	-	- 5,17x	- 4,43x	0,00x	- 2,70x	- 0,59x	- 3,17x	- 2,68x	- 2,94x
Polarityte, Inc	Com	US	NASDAQ	Química	-	4,9165215	1,22x	- 2,91x	- 0,63x	2,04x	- 0,82x	- 0,99x	-	-	0,40x	- 0,63x
Portola Pharmaceuticals	Com	US	NASDAQ	Química	-	-	-	- 9,37x	- 8,07x	- 10,18x	- 3,78x	- 10,45x	- 3,49x	- 5,95x	- 7,33x	- 8,07x
Principia Biopharma Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	- 28,03x	-	- 28,03x	28,03x
Progenics Pharmaceutica	Com	US	NASDAQ	Química	-	-	- 1,24x	- 6,14x	103,84x	- 9,13x	33,97x	- 6,58x	- 4,04x	- 4,86x	13,23x	- 4,45x
Prophase Labs, Inc	Com	US	NASDAQ	Química	-	-4,7483033	- 23,17x	36,33x	- 2,60x	- 7,90x	- 15,96x	- 1,38x	- 22,49x	- 12,68x	- 6,07x	- 7,90x
Proteon Therapeutics Inc	Com	US	NASDAQ	Química	-	-	-	-	- 12,91x	- 9,44x	0,34x	0,29x	- 1,02x	0,43x	- 3,72x	- 0,37x
Proteostasis Therapeutic	Com	US	NASDAQ	Química	-	-	-	-	-	-	- 5,95x	- 1,90x	- 0,66x	0,72x	- 1,95x	- 1,28x
Provention Bio, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	- 0,28x	-	- 0,28x	- 0,28x
PTC Therapeutics, Inc	Com	US	NASDAQ	Química	-	-	-	- 6,52x	- 14,90x	- 5,36x	- 1,90x	- 14,15x	- 18,51x	- 14,34x	- 10,81x	- 14,15x
Pulmatrix, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	- 2,14x	- 0,42x	- 1,70x	- 0,43x	- 0,83x	- 1,10x	- 0,83x
Puma Biotechnology, Inc	Com	US	NASDAQ	Química	-	-	- 5,39x	- 53,05x	- 39,29x	- 9,72x	- 3,27x	- 12,70x	- 8,74x	- 12,58x	- 18,09x	- 11,15x
Questcor Pharmaceutical	Com	US	NASDAQ	Química	14,5453467	20,7778874	4,70x	6,78x	-	-	-	-	-	-	10,75x	6,78x
Quidel Corp	Com	US	NASDAQ	Química	-	15,5315815	19,27x	36,24x	47,58x	20,81x	27,97x	40,60x	13,54x	19,17x	26,75x	20,81x
RA Pharmaceuticals, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	8,40x	- 2,28x	- 5,86x	- 12,50x	- 7,26x	- 7,13x
Radius Health, Inc	Com	US	NASDAQ	Química	-	-	-	-	- 20,48x	- 22,35x	- 7,12x	- 5,48x	- 3,70x	- 5,72x	- 10,81x	- 6,42x
Raptor Pharmaceutical C	Com	US	NASDAQ	Química	-	-	- 6,64x	- 14,99x	- 16,86x	- 8,24x	-	-	-	-	- 11,68x	- 11,61x
Reata Pharmaceuticals In	Com A	US	NASDAQ	Química	-	-	-	-	-	-	64,98x	- 13,58x	- 19,06x	- 23,62x	- 30,31x	- 21,34x
Receptos, Inc	Com	US	NASDAQ	Química	-	-	-	- 9,82x	- 24,52x	-	-	-	-	-	- 17,17x	- 17,17x
Recro Pharma, Inc	Com	US	NASDAQ	Química	-	-	-	-	- 0,20x	- 312,08x	- 6,44x	- 5,05x	- 3,86x	- 7,92x	- 55,92x	- 5,75x
Regeneron Pharmaceutic	Com	US	NASDAQ	Química	-33,584108	-28,953058	33,70x	33,92x	46,31x	42,06x	26,58x	17,84x	14,29x	11,84x	21,95x	26,58x
Regenxbio Inc	Com	US	NASDAQ	Química	-	-	-	-	-	- 14,19x	- 6,40x	- 12,25x	12,81x	- 30,21x	- 10,05x	- 12,25x
Regulus Therapeutics Inc	Com	US	NASDAQ	Química	-	-	- 11,46x	- 13,00x	- 14,82x	- 6,62x	- 0,80x	- 1,01x	- 0,24x	- 0,91x	- 6,11x	- 3,82x
Reliv Intl Inc	Com	US	NASDAQ	Química	-	4,28676809	5,09x	13,51x	14,58x	- 21,99x	144,82x	14,38x	- 5,64x	- 10,10x	17,66x	5,09x
Relypsa Inc	Com	US	NASDAQ	Química	-	-	-	-	- 12,89x	- 5,51x	-	-	-	-	- 9,20x	- 9,20x
Renewable Energy Group	Com	US	NASDAQ	Química	-	-	6,26x	1,53x	5,77x	- 5,11x	6,45x	- 21,24x	2,77x	7,35x	0,47x	4,27x
Rentech, Inc	Com	US	NASDAQ	Química	-	-	10,87x	37,19x	41,30x	- 1,14x	- 0,95x	-	-	-	17,45x	10,87x
Repligen Corp	Com	US	NASDAQ	Química	-	-	10,64x	14,38x	40,07x	46,86x	42,24x	52,86x	48,31x	60,24x	39,45x	44,55x
Repros Therapeutics Inc	Com	US	NASDAQ	Química	-	-4,4284321	- 13,62x	- 12,57x	- 6,01x	- 0,28x	- 1,44x	- 1,77x	-	-	- 5,73x	- 4,43x
Retrophin, Inc	Com	US	NASDAQ	Química	-	-	- 2,02x	- 4,99x	- 5,58x	- 14,36x	- 12,47x	- 16,85x	- 18,20x	- 12,41x	- 10,86x	- 12,44x
Revance Therapeutics, In	Com	US	NASDAQ	Química	-	-	-	-	- 4,83x	- 10,26x	- 4,79x	- 6,96x	- 4,00x	- 1,99x	- 5,47x	- 4,81x

Rhythm Pharmaceuticals	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	20,03x	-	11,23x	-	9,71x	-	13,66x	-	11,23x					
Rigel Pharmaceuticals Inc	Com	US	NASDAQ	Química	-	-3,7253864	-	2,76x	-	0,43x	-	0,63x	-	2,82x	-	2,34x	-	5,69x	-	3,52x	-	4,33x	-	2,92x	-	2,82x
Riot Blockchain, Inc	Com	US	NASDAQ	Química	-	-	-	1,25x	-	2,89x	-	3,23x	-	0,54x	-	0,72x	-	25,94x	-	0,43x	-	1,87x	-	4,47x	-	1,56x
Ritter Pharmaceuticals In	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	0,29x	-	1,19x	-	0,80x	-	0,67x	-	0,03x	-	0,12x	-	0,29x	
Rocket Pharmaceuticals,	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	9,27x	-	2,12x	-	0,83x	-	6,98x	-	9,97x	-	5,83x	-	6,98x	
Rubius Therapeutics, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	-	-	-	-	10,32x	-	-	-	10,32x	-	10,32x		
Sage Therapeutics, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	24,18x	-	15,82x	-	9,40x	-	20,75x	-	8,88x	-	14,71x	-	15,62x	-	15,27x		
Sagent Pharmaceuticals,	Com	US	NASDAQ	Química	-	-32,006754	-	35,76x	-	21,27x	-	29,91x	-	14,20x	-	-	-	-	-	-	-	6,16x	-	14,20x		
Salix Pharmaceuticals Ltc	Com	US	NASDAQ	Química	146,423714	19,4307316	-	9,75x	-	17,00x	-	42,96x	-	-	-	-	-	-	-	-	-	0,81x	-	13,38x		
Sangamo Therapeutics, II	Com	US	NASDAQ	Química	-	-	-	12,35x	-	30,35x	-	34,27x	-	9,56x	-	1,08x	-	21,02x	-	9,92x	-	8,04x	-	15,82x	-	11,13x
Sarepta Therapeutics, Inc	Com	US	NASDAQ	Química	-	-1,8213136	-	16,71x	-	5,73x	-	3,08x	-	7,36x	-	4,58x	-	17,93x	-	19,73x	-	21,95x	-	10,99x	-	7,36x
Savara Inc	Com	US	NASDAQ	Química	-	-	-	0,60x	-	0,14x	-	0,50x	-	1,09x	-	0,37x	-	12,80x	-	2,60x	-	7,10x	-	3,00x	-	0,80x
Scholar Rock Holding Cor	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	-	-	-	-	8,05x	-	-	-	8,05x	-	8,05x		
Schulman A Inc	Com	US	NASDAQ	Química	-	-	-	8,66x	-	10,81x	-	10,75x	-	12,79x	-	8,24x	-	10,96x	-	-	-	7,62x	-	10,78x		
Sciclone Pharmaceuticals	Com	US	NASDAQ	Química	-	5,77055481	-	15,75x	-	16,26x	-	13,36x	-	11,44x	-	12,19x	-	-	-	-	-	12,46x	-	12,77x		
Scpharmaceuticals Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	-	-	-	-	0,28x	-	0,24x	-	0,26x	-	0,26x		
Scynexis Inc	Com	US	NASDAQ	Química	-	-	-	-	-	5,21x	-	1,41x	-	1,18x	-	1,44x	-	0,20x	-	1,75x	-	1,80x	-	1,42x		
Seattle Genetics Inc	Com	US	NASDAQ	Química	-20,159307	-12,459824	-	49,36x	-	86,16x	-	56,40x	-	54,15x	-	57,37x	-	42,61x	-	36,63x	-	52,25x	-	49,71x	-	52,25x
Seelos Therapeutics, Inc	Com	US	NASDAQ	Química	-	-5,9600454	-	1,94x	-	4,67x	-	1,65x	-	2,64x	-	1,11x	-	2,05x	-	0,20x	-	5,10x	-	2,81x	-	2,05x
Selecta Biosciences Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	7,12x	-	2,29x	-	0,68x	-	1,24x	-	2,83x	-	1,76x		
Sellas Life Sciences Grou	Com	US	NASDAQ	Química	-	-0,4506486	-	3,22x	-	14,50x	-	3,28x	-	6,29x	-	0,68x	-	0,95x	-	0,73x	-	0,64x	-	3,41x	-	0,95x
Senestech, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	-	-	0,42x	-	0,81x	-	3,60x	-	1,61x	-	0,81x		
Seres Therapeutics, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	21,54x	-	2,44x	-	3,20x	-	1,15x	-	1,58x	-	5,98x	-	2,44x		
Sesen Bio, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	4,60x	-	1,06x	-	6,88x	-	0,38x	-	1,74x	-	1,87x	-	0,46x	-	1,40x		
Sienna Biopharmaceutica	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	-	-	6,25x	-	0,40x	-	0,18x	-	2,28x	-	0,40x		
Sonoma Pharmaceuticals	Com	US	NASDAQ	Química	-	-	-	5,53x	-	3,91x	-	1,48x	-	1,47x	-	0,18x	-	1,28x	-	0,28x	-	0,27x	-	1,80x	-	1,38x
Sophris Bio Inc	Com	US	NASDAQ	Química	-	-	-	-	-	1,93x	-	0,26x	-	2,02x	-	5,43x	-	4,20x	-	1,30x	-	1,65x	-	2,32x	-	1,93x
Spark Therapeutics, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	18,12x	-	10,19x	-	5,46x	-	5,76x	-	19,78x	-	11,86x	-	10,19x		
Spectrum Pharmaceutica	Com	US	NASDAQ	Química	-	11,1647793	-	6,43x	-	29,78x	-	67,36x	-	41,48x	-	10,04x	-	26,93x	-	7,25x	-	5,17x	-	18,94x	-	10,04x
Spero Therapeutics, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	-	-	-	1,97x	-	0,08x	-	2,86x	-	1,58x	-	1,97x	
Spring Bank Pharmaceuti	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	1,94x	-	5,85x	-	4,37x	-	2,33x	-	3,62x	-	3,35x		
Stemline Therapeutics In	Com	US	NASDAQ	Química	-	-	-	-	8,73x	-	6,04x	-	1,82x	-	4,10x	-	5,01x	-	2,80x	-	5,36x	-	4,84x	-	5,01x	
Strongbridge Biopharma	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	2,56x	-	0,72x	-	3,47x	-	1,21x	-	1,00x	-	1,79x	-	1,21x		
Sucampo Pharmaceutica	Com A	US	NASDAQ	Química	-	-10,810672	-	20,27x	-	36,30x	-	19,90x	-	16,82x	-	7,16x	-	13,19x	-	-	-	10,92x	-	16,82x		
Sunesis Pharmaceuticals	Com	US	NASDAQ	Química	-	-	-	4,95x	-	7,54x	-	2,78x	-	0,74x	-	1,31x	-	2,98x	-	0,36x	-	2,79x	-	2,93x	-	2,79x
Supernus Pharmaceutica	Com	US	NASDAQ	Química	-	-	-	2,69x	-	3,57x	-	11,34x	-	26,76x	-	20,38x	-	17,76x	-	10,57x	-	11,41x	-	11,49x	-	11,37x
Surface Oncology, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	-	-	-	5,07x	-	0,17x	-	2,62x	-	2,62x			
Sutro Biopharma, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	-	-	-	0,49x	-	-	-	0,49x	-	0,49x			
Synageva Biopharma Cor	Com	US	NASDAQ	Química	0,47485168	-16,944736	-	23,58x	-	17,99x	-	14,46x	-	-	-	-	-	-	-	-	-	18,24x	-	17,47x		
Syndax Pharmaceuticals	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	0,57x	-	1,36x	-	0,39x	-	1,51x	-	0,96x	-	0,97x		
Synergy Pharmaceuticals	Com	US	NASDAQ	Química	-	-7,753586	-	8,23x	-	7,07x	-	3,21x	-	7,21x	-	7,50x	-	2,18x	-	0,77x	-	5,49x	-	7,14x		
Synlogic, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	1,62x	-	0,84x	-	1,86x	-	1,12x	-	2,33x	-	1,22x	-	1,62x	
Syros Pharmaceuticals, Ir	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	-	4,30x	-	3,45x	-	1,39x	-	3,22x	-	3,09x	-	3,34x		
Teligent, Inc	Com	US	NASDAQ	Química	-	-18,031315	-	22,26x	-	277,66x	-	83,37x	-	84,65x	-	26,89x	-	118,57x	-	1.100,75x	-	1.007,41x	-	173,03x	-	26,89x
Tesaro, Inc	Com	US	NASDAQ	Química	-	-	-	5,41x	-	8,61x	-	7,29x	-	8,81x	-	17,61x	-	9,38x	-	7,11x	-	-	-	9,17x	-	8,61x
Tetralogic Pharmaceutica	Com	US	NASDAQ	Química	-	-	-	-	-	2,46x	-	1,13x	-	-	-	-	-	-	-	-	-	1,80x	-	1,80x		
Tetraphase Pharmaceutic	Com	US	NASDAQ	Química	-	-	-	-	8,95x	-	16,83x	-	1,94x	-	0,09x	-	1,63x	-	0,26x	-	0,11x	-	4,15x	-	1,63x	
Tg Therapeutics, Inc	Com	US	NASDAQ	Química	-	5,27528024	-	2,90x	-	3,97x	-	11,13x	-	8,77x	-	2,67x	-	4,17x	-	1,55x	-	3,43x	-	3,70x	-	3,43x
Titan Pharmaceuticals In	Com	US	NASDAQ	Química	-	-8,3255025	-	9,16x	-	48,65x	-	11,32x	-	12,69x	-	15,00x	-	1,93x	-	1,57x	-	1,95x	-	8,96x	-	8,33x
Tobira Therapeutics, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	2,25x	-	0,28x	-	2,74x	-	-	-	-	-	-	-	1,57x	-	2,25x		



Tocagen Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	3,35x	2,61x	3,38x	3,11x	3,35x
Tonix Pharmaceuticals H	Com	US	NASDAQ	Química	-	-	2,65x	3,90x	0,90x	2,11x	0,20x	0,07x	0,76x	0,23x	1,05x	0,48x
Tor Minerals Intl Inc	Com	US	NASDAQ	Química	-	6,01153423	3,91x	29,58x	8,96x	6,63x	6,65x	13,93x	-	-	8,92x	6,65x
Tracon Pharmaceuticals,	Com	US	NASDAQ	Química	-	-	-	-	-	2,97x	1,05x	1,75x	0,40x	0,05x	1,06x	1,05x
Translate Bio, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	1,92x	-	1,92x	1,92x
Trevena Inc	Com	US	NASDAQ	Química	-	-	-	-	1,06x	7,69x	2,14x	0,89x	0,29x	3,41x	2,48x	1,60x
Tricida, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	7,69x	-	7,69x	7,69x
Trovagene, Inc	Com	US	NASDAQ	Química	-	-	18,18x	7,88x	4,77x	4,46x	1,11x	0,39x	0,04x	0,45x	4,66x	2,78x
Ultragenyx Pharmaceutic	Com	US	NASDAQ	Química	-	-	-	-	23,09x	27,85x	10,40x	5,42x	4,91x	7,86x	13,25x	9,13x
United Guardian Inc	Com	US	NASDAQ	Química	-	9,34245206	12,74x	15,89x	14,06x	11,79x	16,93x	14,08x	13,18x	15,12x	13,68x	14,06x
United Therapeutics Corp	Com	US	NASDAQ	Química	16,2717057	7,23032954	5,40x	15,29x	9,48x	8,38x	4,60x	6,76x	4,26x	28,68x	3,63x	6,76x
Unity Biotechnology, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	6,61x	2,85x	4,73x	4,73x
Unum Therapeutics Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	1,53x	1,05x	1,29x	1,29x
Vaccinex, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	0,82x	-	0,82x	0,82x
Vanda Pharmaceuticals I	Com	US	NASDAQ	Química	-	1,92676538	0,63x	15,37x	15,45x	9,84x	84,27x	37,61x	49,53x	32,18x	5,26x	0,63x
Vaxart, Inc	Com	US	NASDAQ	Química	-	-	2,88x	8,29x	1,37x	0,75x	0,04x	0,42x	0,21x	0,29x	0,94x	0,25x
Vbi Vaccines Inc/Bc	Com	US	NASDAQ	Química	-	-	517,73x	4,77x	-	0,19x	0,76x	5,79x	0,75x	2,57x	73,48x	0,19x
Verastem, Inc	Com	US	NASDAQ	Química	-	-	4,07x	4,64x	2,72x	0,73x	1,08x	1,17x	1,30x	0,26x	1,54x	1,23x
Vericel Corp	Com	US	NASDAQ	Química	-	-2,284581	1,26x	0,30x	1,84x	3,10x	4,50x	13,51x	238,90x	372,42x	70,90x	3,10x
Vermillion, Inc	Com	US	NASDAQ	Química	-	-0,1084754	1,40x	3,08x	2,61x	3,96x	3,25x	11,59x	1,38x	7,60x	3,89x	3,08x
Verrica Pharmaceuticals	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	5,37x	-	5,37x	5,37x
Vertex Pharmaceuticals I	Com	US	NASDAQ	Química	-9,750254	42,7306299	202,17x	18,68x	43,77x	74,73x	247,83x	197,24x	56,21x	46,59x	72,84x	46,59x
Veru Inc	Com	US	NASDAQ	Química	-	-	16,47x	28,56x	24,82x	4,78x	30,37x	4,20x	6,31x	9,26x	3,06x	0,29x
Vical Inc	Com	US	NASDAQ	Química	-	-	7,92x	1,79x	3,40x	0,10x	1,27x	1,95x	1,15x	1,07x	0,97x	0,48x
Viking Therapeutics, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	1,92x	1,27x	6,20x	9,85x	11,16x	6,08x	6,20x
Vistagen Therapeutics, In	Com	US	NASDAQ	Química	-	-	2,14x	2,71x	7,30x	1,62x	1,67x	0,90x	1,77x	0,76x	2,36x	1,72x
Vitae Pharmaceuticals, Ir	Com	US	NASDAQ	Química	-	-	-	-	13,23x	7,64x	-	-	-	-	10,43x	10,43x
Vivus Inc	Com	US	NASDAQ	Química	-	-15,322615	8,37x	5,56x	7,65x	2,52x	1,21x	2,52x	8,56x	12,09x	1,67x	2,52x
Voyager Therapeutics, In	Com	US	NASDAQ	Química	-	-	-	-	-	20,39x	4,15x	3,96x	1,65x	4,60x	6,95x	4,15x
Vtv Therapeutics Inc	Com A	US	NASDAQ	Química	-	-	-	-	-	3,60x	2,16x	4,15x	6,66x	6,44x	4,60x	4,15x
Wd 40 Co	Com	US	NASDAQ	Química	-	-	11,44x	17,61x	18,26x	19,38x	21,92x	20,12x	30,15x	26,83x	20,71x	19,75x
Windtree Therapeutics Ir	Com	US	NASDAQ	Química	-	-1,3429914	1,78x	2,63x	1,84x	0,27x	0,79x	-	-	-	1,44x	1,56x
X4 Pharmaceuticals, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	0,23x	5,13x	2,68x	2,68x
Xbiotech Inc	Com	US	NASDAQ	Química	-	-	-	-	-	7,03x	5,65x	3,31x	8,95x	15,64x	8,12x	7,03x
Xencor Inc	Com	US	NASDAQ	Química	-	-	-	-	28,82x	30,71x	41,21x	16,54x	22,73x	50,79x	1,13x	19,63x
Xenoport Inc	Com	US	NASDAQ	Química	-	-1,3801525	7,15x	2,59x	9,38x	4,13x	-	-	-	-	4,92x	4,13x
Xeris Pharmaceuticals Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	4,67x	-	4,67x	4,67x
Xoma Corp	Com	US	NASDAQ	Química	-	-1,0183648	3,30x	11,62x	4,85x	3,83x	0,73x	14,68x	4,96x	13,04x	3,19x	3,83x
Y-Mabs Therapeutics, Inc	Com	US	NASDAQ	Química	-	-	-	-	-	-	-	-	12,68x	-	12,68x	12,68x
Zafgen, Inc	Com	US	NASDAQ	Química	-	-	-	-	16,69x	0,10x	0,68x	0,86x	1,38x	0,16x	3,05x	0,51x
Ziopharm Oncology Inc	Com	US	NASDAQ	Química	-	-2,7717109	2,54x	5,18x	11,11x	7,91x	3,78x	9,73x	3,83x	13,07x	6,66x	5,18x
Zogenix, Inc	Com	US	NASDAQ	Química	-	-	2,76x	6,45x	10,61x	5,12x	3,30x	9,09x	7,10x	7,37x	6,48x	6,78x
Zosano Pharma Corp	Com	US	NASDAQ	Química	-	-	-	-	-	0,23x	0,41x	0,60x	0,27x	1,50x	0,60x	0,41x
Zynerba Pharmaceuticals	Com	US	NASDAQ	Química	-	-	-	-	-	4,09x	5,37x	3,27x	0,18x	6,91x	3,89x	4,09x
American Outdoor Brand	Com	US	NASDAQ	Siderur & Metalur	-	-	4,92x	4,68x	4,61x	9,20x	5,12x	5,99x	8,98x	7,52x	6,38x	5,56x
Aqua Metals, Inc	Com	US	NASDAQ	Siderur & Metalur	-	-	-	-	-	14,84x	15,68x	1,46x	2,00x	2,47x	7,29x	2,47x
Arts Way Manufacturing	Com	US	NASDAQ	Siderur & Metalur	-	10,4534999	5,73x	13,98x	11,81x	41,96x	80,60x	17,29x	6,87x	6,39x	14,89x	10,45x
Axon Enterprise, Inc	Com	US	NASDAQ	Siderur & Metalur	-	-91,566314	14,51x	23,15x	34,66x	20,31x	32,04x	60,78x	62,21x	148,53x	33,85x	32,04x
Broadwind Energy, Inc	Com	US	NASDAQ	Siderur & Metalur	-	-15,372053	48,79x	70,91x	10,21x	8,75x	4,94x	36,95x	2,14x	5,87x	4,68x	2,14x
Century Aluminum Co	Com	US	NASDAQ	Siderur & Metalur	8,42760136	7,44187896	14,94x	3.159,60x	10,92x	12,58x	5,76x	10,08x	28,09x	340,42x	304,54x	10,92x

Chart Industries Inc	Com	US	NASDAQ	Siderur & Metalur	-	12,4748179	12,85x	16,17x	5,94x	-	5,18x	9,76x	18,55x	16,02x	19,92x	11,83x	12,85x
Cymer Inc	Com	US	NASDAQ	Siderur & Metalur	8,01494289	9,94273539	- 213,84x	-	-	-	-	-	-	-	-	- 101,95x	- 101,95x
Dmc Global Inc	Com	US	NASDAQ	Siderur & Metalur	-	9,53673394	7,47x	12,87x	11,91x	-	9,52x	42,28x	- 290,62x	11,66x	17,84x	- 20,73x	11,66x
Eastern Co	Com	US	NASDAQ	Siderur & Metalur	-	9,65216207	5,14x	5,99x	5,89x	8,61x	7,34x	10,40x	7,16x	8,69x	7,65x	7,34x	
Encore Wire Corp	Com	US	NASDAQ	Siderur & Metalur	-	5,49160569	13,58x	12,70x	10,05x	7,79x	11,88x	9,35x	7,49x	7,86x	9,58x	9,35x	
Gibraltar Industries, Inc	Com	US	NASDAQ	Siderur & Metalur	-	8,93343299	9,49x	13,88x	- 13,77x	10,67x	12,93x	9,17x	9,12x	10,50x	7,88x	9,49x	
Gulf Island Fabrication In	Com	US	NASDAQ	Siderur & Metalur	-	21,368141	18,44x	8,05x	4,87x	- 9,46x	4,02x	- 3,44x	- 3,22x	- 7,85x	3,64x	4,02x	
Handy & Harman Ltd.	Com	US	NASDAQ	Siderur & Metalur	-	6,94471159	4,64x	6,86x	11,07x	4,99x	9,93x	-	-	-	7,41x	6,90x	
Haynes Intl Inc	Com	US	NASDAQ	Siderur & Metalur	-	-	6,73x	18,24x	15,15x	6,99x	20,33x	173,01x	14,38x	14,64x	33,68x	14,89x	
Insteel Industries Inc	Com	US	NASDAQ	Siderur & Metalur	-	-	12,88x	13,52x	12,18x	7,99x	9,54x	11,11x	8,36x	8,36x	10,49x	10,33x	
Kaiser Aluminum Corp	Com	US	NASDAQ	Siderur & Metalur	-	11,1276858	6,00x	6,63x	7,61x	- 5,11x	6,86x	10,13x	8,92x	8,96x	6,79x	7,61x	
Lifetime Brands, Inc	Com	US	NASDAQ	Siderur & Metalur	-	7,30999485	6,21x	6,78x	10,19x	7,16x	8,21x	11,10x	11,66x	10,40x	8,78x	8,21x	
Matthews Intl Corp	Com A	US	NASDAQ	Siderur & Metalur	-	-	10,18x	11,08x	15,98x	16,92x	17,35x	14,71x	10,65x	10,14x	13,38x	12,90x	
Mobile Mini Inc	Com	US	NASDAQ	Siderur & Metalur	-	10,7820162	11,87x	23,05x	19,76x	22,72x	12,73x	13,96x	22,12x	21,50x	17,61x	19,76x	
Nn Inc	Com	US	NASDAQ	Siderur & Metalur	-	3,79541215	4,84x	8,60x	14,26x	17,08x	10,41x	13,79x	- 10,76x	- 13,33x	5,41x	8,60x	
Northern Technologies Ir	Com	US	NASDAQ	Siderur & Metalur	-	-	- 105,57x	128,58x	71,15x	- 18,44x	- 24,97x	- 1.960,74x	65,85x	70,64x	- 221,69x	23,70x	
Northwest Pipe Co.	Com	US	NASDAQ	Siderur & Metalur	-	-	6,55x	31,22x	22,71x	- 3,26x	- 42,50x	- 57,12x	35,83x	19,59x	1,63x	13,07x	
Novellus Systems Inc	Com	US	NASDAQ	Siderur & Metalur	6,91573268	6,55422266	-	-	-	-	-	-	-	-	6,55x	6,55x	
Optical Cable Corp	Com	US	NASDAQ	Siderur & Metalur	-	6,52365948	4,84x	11,92x	11,89x	- 105,36x	37,48x	81,08x	10,84x	65,62x	13,87x	11,89x	
Park Ohio Hldg Corp	Com	US	NASDAQ	Siderur & Metalur	-	6,65959436	6,31x	9,24x	9,62x	6,74x	9,46x	8,43x	6,73x	7,61x	7,87x	7,61x	
Rbc Bearings Inc	Com	US	NASDAQ	Siderur & Metalur	-	-	10,22x	16,15x	13,41x	15,22x	17,74x	20,89x	20,47x	21,25x	16,92x	16,94x	
Shiloh Industries Inc	Com	US	NASDAQ	Siderur & Metalur	-	4,41708598	4,53x	8,10x	8,81x	6,63x	6,34x	5,31x	5,60x	6,16x	6,21x	6,16x	
Silgan Hldg Inc	Com	US	NASDAQ	Siderur & Metalur	8,10710483	7,11420612	8,24x	9,24x	9,28x	9,99x	10,35x	10,72x	7,97x	9,76x	9,19x	9,28x	
Steel Dynamics Inc	Com	US	NASDAQ	Siderur & Metalur	10,5314333	5,96536393	7,85x	9,85x	12,78x	28,10x	9,98x	8,49x	4,04x	4,07x	10,13x	8,49x	
Sun Hydraulics Corp	Com	US	NASDAQ	Siderur & Metalur	-	8,51634554	9,88x	15,49x	13,00x	11,53x	24,24x	21,78x	11,54x	12,69x	14,30x	12,69x	
Synalloy Corp	Com	US	NASDAQ	Siderur & Metalur	-	-	11,59x	22,39x	11,16x	- 13,71x	- 70,05x	13,55x	7,50x	10,99x	- 0,82x	11,08x	
Trimas Corp	Com	US	NASDAQ	Siderur & Metalur	-	5,73668186	8,57x	11,99x	11,10x	30,36x	638,21x	10,96x	8,58x	10,27x	81,75x	10,96x	
Ultratech Inc	Com	US	NASDAQ	Siderur & Metalur	-	8,35883888	11,35x	65,74x	25,15x	- 46,11x	23,44x	-	-	-	- 15,64x	- 8,39x	
Universal Stainless & Allc	Com	US	NASDAQ	Siderur & Metalur	-	9,46123167	10,00x	27,75x	9,32x	- 12,47x	11,66x	10,16x	5,27x	5,68x	8,54x	9,46x	
2u, Inc	Com	US	NASDAQ	Software e Dados	-	-	-	-	- 31,97x	- 57,82x	- 110,81x	- 299,17x	- 174,86x	- 102,57x	- 129,53x	- 106,69x	
8x8 Inc	Com	US	NASDAQ	Software e Dados	-	-	18,68x	50,68x	68,54x	205,33x	275,06x	- 63,99x	- 31,30x	- 41,30x	60,21x	34,68x	
ACI Worldwide, Inc	Com	US	NASDAQ	Software e Dados	-	8,85171519	16,13x	15,96x	13,58x	14,54x	8,47x	17,29x	16,38x	18,27x	14,38x	15,96x	
Activision Blizzard, Inc	Com	US	NASDAQ	Software e Dados	11,6582335	5,99647576	4,18x	7,49x	9,08x	16,79x	10,90x	18,78x	11,38x	11,77x	10,71x	10,90x	
Actua Corp	Com	US	NASDAQ	Software e Dados	-	-767,69511	- 35,87x	- 13,79x	- 14,68x	- 4,78x	- 16,40x	- 4,42x	-	-	- 122,52x	- 14,68x	
Adobe Inc	Com	US	NASDAQ	Software e Dados	11,4423765	9,11296492	11,23x	38,00x	46,86x	36,04x	26,48x	33,06x	34,93x	42,33x	30,89x	34,93x	
Advent Software Inc	Com	US	NASDAQ	Software e Dados	24,8648433	17,6705185	13,24x	28,75x	16,62x	-	-	-	-	-	19,07x	17,14x	
Agilysys Inc	Com	US	NASDAQ	Software e Dados	-	-	- 6,66x	65,18x	- 1.166,17x	- 49,74x	125,13x	- 224,57x	55,13x	85,28x	- 139,55x	24,23x	
Alarm.Com Hldg Inc	Com	US	NASDAQ	Software e Dados	-	-	-	-	-	26,28x	53,44x	33,63x	69,02x	90,79x	54,63x	53,44x	
Allscripts Healthcare Solu	Com	US	NASDAQ	Software e Dados	-	13,96359	11,48x	63,29x	20,71x	17,64x	13,46x	15,55x	21,95x	25,92x	22,66x	17,64x	
Altaba Inc	Com	US	NASDAQ	Software e Dados	13,0140791	12,4848809	15,95x	31,87x	54,74x	- 6,47x	- 685,62x	1.091,30x	-	-	73,46x	15,95x	
Altair Engineering Inc	Com A	US	NASDAQ	Software e Dados	-	-	-	-	-	-	-	- 68,51x	49,17x	47,08x	9,24x	47,08x	
American Software Inc	Com A	US	NASDAQ	Software e Dados	-	-	7,61x	12,24x	14,09x	12,32x	16,03x	14,55x	15,33x	22,72x	14,36x	14,32x	
Ansys Inc	Com	US	NASDAQ	Software e Dados	15,7978216	14,9215942	15,05x	18,23x	15,72x	17,26x	16,10x	25,40x	20,84x	28,30x	19,09x	17,26x	
Appfolio Inc	Com A	US	NASDAQ	Software e Dados	-	-	-	-	-	50,20x	427,19x	61,79x	57,72x	104,84x	120,27x	61,79x	
Appian Corp	Com A	US	NASDAQ	Software e Dados	-	-	-	-	-	-	-	59,00x	- 35,92x	- 42,60x	- 45,84x	- 42,60x	
Apptio Inc	Com A	US	NASDAQ	Software e Dados	-	-	-	-	-	-	28,71x	- 39,88x	1.710,58x	-	547,33x	- 28,71x	
Ariba Inc	Com	US	NASDAQ	Software e Dados	59,7491564	130,784553	-	-	-	-	-	-	-	-	130,78x	130,78x	
Aspen Technology Inc	Com	US	NASDAQ	Software e Dados	-	-	105,78x	37,55x	17,75x	14,24x	19,48x	22,76x	28,50x	35,47x	35,19x	25,63x	
Asure Software Inc	Com	US	NASDAQ	Software e Dados	-	21,0618355	22,90x	11,01x	10,92x	15,17x	22,81x	52,68x	36,60x	32,95x	25,12x	22,81x	
Atlassian Corp Plc	Com A	US	NASDAQ	Software e Dados	-	-	-	-	-	-	631,56x	- 1.070,74x	357,99x	822,47x	185,32x	494,77x	

Autodesk Inc	Com	US	NASDAQ	Software e Dados	20,8209781	12,3997401	15,40x	22,40x	41,49x	75,76x	-	79,33x	-	61,42x	-	190,54x	561,33x	44,17x	15,40x						
Automatic Data Processi	Com	US	NASDAQ	Software e Dados	10,1094356	11,1256072	11,04x	15,15x	15,14x	15,71x	27,87x	31,36x	25,67x	31,50x	20,51x	15,71x									
Avid Technology, Inc	Com	US	NASDAQ	Software e Dados	-247,76017	28,9532739	-	6,80x	5,66x	14,13x	13,71x	3,31x	10,27x	8,32x	10,24x	9,76x	10,24x								
Aware Inc	Com	US	NASDAQ	Software e Dados	-	5,13947087	0,56x	11,27x	10,83x	5,18x	13,22x	19,64x	31,75x	13,02x	12,29x	11,27x									
Bandwidth Inc	Com A	US	NASDAQ	Software e Dados	-	-	-	-	-	-	-	17,86x	57,76x	-	1.521,51x	-	481,96x	17,86x							
Bazaarvoice Inc	Com	US	NASDAQ	Software e Dados	-	-	-	10,03x	-	25,27x	-	155,12x	52,92x	-	-	34,37x	-	17,65x							
Benefitfocus,Inc	Com	US	NASDAQ	Software e Dados	-	-	-	67,83x	-	16,94x	-	24,34x	-	48,47x	378,69x	-	63,16x	-	55,81x	14,59x	-	48,47x			
Blackbaud Inc	Com	US	NASDAQ	Software e Dados	-	17,4219592	24,03x	19,56x	24,52x	33,61x	25,30x	35,68x	24,41x	36,48x	26,78x	24,52x									
Blackline, Inc	Com	US	NASDAQ	Software e Dados	-	-	-	-	-	-	-	79,43x	-	107,69x	-	249,78x	-	258,14x	-	173,76x	-	178,73x			
Bottomline Technologies	Com	US	NASDAQ	Software e Dados	-	-	39,94x	38,85x	18,90x	24,00x	29,35x	26,74x	42,88x	39,68x	32,54x	34,10x									
Bridgeline Digital, Inc	Com	US	NASDAQ	Software e Dados	-	-	21,80x	-	22,82x	-	3,99x	-	1,06x	-	9,76x	-	15,39x	-	0,34x	-	0,29x	-	3,98x	-	2,52x
Brightcove Inc	Com	US	NASDAQ	Software e Dados	-	-	20,89x	-	104,31x	-	34,72x	100,10x	-	199,61x	-	17,69x	-	36,13x	-	44,25x	-	44,69x	-	35,42x	
Broadsoft, Inc	Com	US	NASDAQ	Software e Dados	-	22,0189889	27,87x	201,48x	33,22x	28,28x	33,20x	55,32x	-	-	57,34x	33,20x									
Broadvision Inc	Com	US	NASDAQ	Software e Dados	-	0,92856677	1,74x	0,10x	1,11x	-	0,02x	-	0,33x	-	0,78x	-	0,46x	-	0,07x	0,25x	-	0,02x			
Ca, Inc	Com	US	NASDAQ	Software e Dados	7,34612022	4,98751533	4,89x	8,31x	7,95x	8,43x	8,13x	9,59x	-	-	7,47x	8,13x									
Cadence Design Systems	Com	US	NASDAQ	Software e Dados	23,4082141	10,9975592	10,49x	11,92x	17,61x	14,13x	20,40x	26,88x	23,60x	34,26x	18,92x	17,61x									
Callidus Software Inc	Com	US	NASDAQ	Software e Dados	-	-23,193085	-	13,05x	-	294,78x	-	257,24x	5.369,22x	-	313,22x	-	1.983,47x	-	-	354,90x	-	257,24x			
Carbon Black, Inc	Com	US	NASDAQ	Software e Dados	-	-	-	-	-	-	-	-	-	-	11,27x	-	16,52x	-	13,90x	-	13,90x				
Carbonite Inc	Com	US	NASDAQ	Software e Dados	-	-13,195507	-	22,81x	122,21x	84,08x	-	25,16x	29,64x	48,59x	14,70x	21,46x	28,83x	21,46x							
Cargurus, Inc	Com A	US	NASDAQ	Software e Dados	-	-	-	-	-	-	-	-	159,57x	125,98x	124,90x	136,82x	125,98x								
Cerner Corp	Com	US	NASDAQ	Software e Dados	13,6587172	14,4683725	15,68x	21,94x	22,40x	17,68x	11,51x	14,35x	11,96x	15,21x	16,13x	15,21x									
Citrix Systems Inc	Com	US	NASDAQ	Software e Dados	26,0460277	18,3686253	18,70x	17,05x	16,43x	15,52x	14,53x	17,50x	18,21x	16,98x	17,03x	17,05x									
Cognizant Technology So	Com	US	NASDAQ	Software e Dados	20,5919193	13,482693	12,72x	14,42x	14,30x	13,28x	11,13x	12,89x	10,00x	10,04x	12,48x	12,89x									
Commvault Systems Inc	Com	US	NASDAQ	Software e Dados	-	-	35,70x	29,40x	29,98x	157,16x	108,18x	98,11x	58,45x	52,23x	71,15x	55,34x									
Computer Programs & Sy	Com	US	NASDAQ	Software e Dados	-	12,3823895	12,11x	12,43x	12,14x	18,63x	16,61x	63,75x	12,77x	14,26x	19,45x	12,77x									
Computer Task Group Inc	Com	US	NASDAQ	Software e Dados	-	10,9724437	10,97x	11,04x	6,75x	9,21x	-	2,00x	13,09x	10,72x	14,59x	9,48x	10,97x								
Compuware Corp	Com	US	NASDAQ	Software e Dados	12,9741145	9,93494102	13,29x	40,51x	-	-	-	-	-	-	21,24x	13,29x									
Concur Technologies Inc	Com	US	NASDAQ	Software e Dados	36,6475883	66,8106715	74,46x	118,35x	636,16x	-	-	-	-	-	223,94x	96,40x									
Connecture Inc	Com	US	NASDAQ	Software e Dados	-	-	-	-	-	34,34x	-	3,92x	-	-	-	15,21x	15,21x								
Cornerstone Ondemand	Com	US	NASDAQ	Software e Dados	-	-51,433654	-	57,39x	-	121,74x	-	71,02x	-	57,95x	-	158,68x	-	692,45x	80,05x	69,83x	-	117,87x	-	57,95x	
Coupa Software Inc	Com	US	NASDAQ	Software e Dados	-	-	-	-	-	-	-	-	47,63x	-	177,91x	-	310,59x	-	178,71x	-	177,91x				
Covisint Corp	Com	US	NASDAQ	Software e Dados	-	-	-	-	2,16x	-	3,20x	-	6,52x	-	-	3,96x	-	3,20x							
CSG Systems Intl Inc	Com	US	NASDAQ	Software e Dados	6,53722894	3,84102253	4,28x	7,57x	7,08x	7,46x	9,30x	10,17x	7,38x	10,09x	7,46x	7,46x									
Csp Inc	Com	US	NASDAQ	Software e Dados	-	-	0,82x	9,94x	14,93x	6,86x	6,27x	9,60x	-	17,86x	-	36,73x	-	0,77x	6,57x						
Datalink Corp	Com	US	NASDAQ	Software e Dados	-	6,01388197	6,54x	7,14x	10,93x	6,73x	12,04x	-	-	-	8,23x	6,93x									
Datawatch Corp	Com	US	NASDAQ	Software e Dados	-	-	33,06x	-	44,99x	-	1,09x	-	2,53x	-	4,50x	-	38,04x	-	21,88x	-	11,43x	-	4,50x		
Digimarc Corp	Com	US	NASDAQ	Software e Dados	-	19,754257	7,41x	-	261,77x	-	13,21x	-	18,60x	-	13,34x	-	14,16x	-	4,10x	-	21,03x	-	35,45x	-	13,34x
DocuSign Inc	Com	US	NASDAQ	Software e Dados	-	-	-	-	-	-	-	-	-	-	23,17x	-	23,17x	-	23,17x						
Domo, Inc	Com B	US	NASDAQ	Software e Dados	-	-	-	-	-	-	-	-	-	-	7,02x	-	7,02x	-	7,02x						
Dropbox, Inc	Com A	US	NASDAQ	Software e Dados	-	-	-	-	-	-	-	-	-	23,42x	77,16x	26,87x	26,87x								
Ebix Inc	Com	US	NASDAQ	Software e Dados	-	10,8134079	7,49x	6,56x	7,75x	12,64x	17,87x	22,23x	11,34x	11,74x	12,05x	11,34x									
Egain Corp	Com	US	NASDAQ	Software e Dados	-	-	27,07x	56,98x	-	42,96x	-	86,79x	65,77x	126,80x	32,49x	36,48x	20,21x	34,48x							
Electronic Arts Inc	Com	US	NASDAQ	Software e Dados	-18,626095	1114,07292	8,26x	22,03x	11,05x	19,12x	16,68x	18,64x	11,57x	14,69x	137,35x	16,68x									
Endurance Intl Group Hlc	Com	US	NASDAQ	Software e Dados	-	-	-	43,28x	23,58x	14,42x	18,63x	12,42x	8,74x	8,26x	18,48x	14,42x									
Epiq Systems Inc	Com	US	NASDAQ	Software e Dados	-	9,7865684	6,81x	10,66x	15,01x	10,19x	-	-	-	-	10,49x	10,19x									
Everbridge, Inc	Com	US	NASDAQ	Software e Dados	-	-	-	-	-	-	-	142,71x	-	86,31x	-	72,93x	-	107,91x	-	102,47x	-	97,11x			
Evolving Systems Inc	Com	US	NASDAQ	Software e Dados	-	-25,966314	9,41x	18,10x	11,32x	13,43x	7,08x	9,19x	-	0,91x	-	0,68x	4,55x	9,19x							
Exa Corp	Com	US	NASDAQ	Software e Dados	-	-	-	75,50x	350,39x	496,20x	62,35x	-	-	-	246,11x	212,95x									
Falconstor Software Inc	Com	US	NASDAQ	Software e Dados	-	-4,6027873	-	7,88x	-	3,43x	-	10,92x	90,76x	-	1,81x	-	-	-	10,35x	-	4,01x				
Fiserv Inc	Com	US	NASDAQ	Software e Dados	8,67984034	8,47959756	9,60x	12,85x	12,98x	14,52x	14,73x	16,24x	15,12x	18,55x	13,67x	14,52x									

Five9, Inc	Com	US	NASDAQ	Software e Dados	-	-	-	-	6,55x	-	31,88x	353,90x	509,50x	100,95x	99,99x	170,99x	100,47x									
Fusion Connect, Inc	Com	US	NASDAQ	Software e Dados	-	-4,5491483	-	8,91x	157,15x	5,84x	20,51x	19,78x	17,88x	12,24x	10,16x	25,57x	12,24x									
Glu Mobile Inc	Com	US	NASDAQ	Software e Dados	-	-12,862308	-	9,16x	-	18,93x	35,14x	21,92x	-	1,98x	-	4,92x	-	123,62x	-	405,75x	-	57,80x	-	9,16x		
Great Elm Capital Group	Com	US	NASDAQ	Software e Dados	-	-	-	1,70x	-	3,64x	-	9,19x	-	1,71x	-	1,78x	-	5,39x	-	40,21x	82,41x	2,35x	-	2,71x		
Gty Technology Hldg Inc	Com A	US	NASDAQ	Software e Dados	-	-	-	-	-	-	-	-	-	-	986,15x	-	50,63x	-	6,83x	-	347,87x	-	50,63x			
Guidance Software, Inc	Com	US	NASDAQ	Software e Dados	-	33,1924632	52,47x	-	19,90x	-	25,35x	-	21,59x	-	14,15x	-	-	-	-	-	-	0,78x	-	17,03x		
Henry Jack & Associates	Com	US	NASDAQ	Software e Dados	9,4988406	9,25474857	9,74x	12,20x	12,24x	13,83x	13,50x	17,49x	17,62x	19,57x	13,94x	13,50x										
Homeaway Inc	Com	US	NASDAQ	Software e Dados	-	39,2888868	28,00x	49,55x	25,33x	29,23x	-	-	-	-	-	-	34,28x	29,23x								
Hortonworks Inc	Com	US	NASDAQ	Software e Dados	-	-	-	-	-	-	5,28x	-	1,73x	-	7,13x	-	8,75x	-	-	-	5,72x	-	6,20x			
Imperva Inc	Com	US	NASDAQ	Software e Dados	-	-	-	137,58x	-	49,05x	-	22,93x	-	41,72x	-	16,69x	-	463,65x	371,49x	-	-	51,45x	-	41,72x		
Incontact, Inc	Com	US	NASDAQ	Software e Dados	-	-122,69879	47,78x	196,26x	-	259,68x	93,52x	-	-	-	-	-	8,96x	47,78x								
Informatica Corp	Com	US	NASDAQ	Software e Dados	25,6059193	16,7765637	15,48x	20,81x	16,48x	-	-	-	-	-	-	17,38x	16,63x									
Innodata Inc	Com	US	NASDAQ	Software e Dados	-	10,3295307	6,70x	-	10,07x	39,77x	94,01x	-	35,13x	-	21,36x	6,42x	6,39x	10,78x	6,42x							
Innovative Solutions & S	Com	US	NASDAQ	Software e Dados	-	-	20,62x	30,59x	-	49,76x	-	8,56x	22,80x	27,11x	-	8,38x	-	72,50x	-	4,76x	6,12x					
Inovalon Hldg Inc	Com A	US	NASDAQ	Software e Dados	-	-	-	-	-	-	14,99x	15,47x	22,07x	30,80x	22,43x	21,15x	22,07x									
Impixon	Com	US	NASDAQ	Software e Dados	-	-	-	-	-	9,61x	-	3,10x	-	0,89x	-	0,36x	-	0,71x	-	0,51x	-	2,53x	-	0,80x		
Interactive Intelligence G	Com	US	NASDAQ	Software e Dados	-	13,2821695	49,61x	45,02x	1.002,00x	49,28x	98,54x	-	-	-	-	209,62x	49,45x									
Intersections Inc	Com	US	NASDAQ	Software e Dados	-	2,0740942	2,11x	3,20x	-	3,88x	-	3,46x	-	13,49x	10,91x	9,35x	-	0,85x	2,09x							
Intuit Inc	Com	US	NASDAQ	Software e Dados	-	12,2294388	12,31x	-	17,07x	24,50x	20,65x	24,58x	28,05x	31,41x	21,35x	22,58x										
Ipass Inc	Com	US	NASDAQ	Software e Dados	-	3068,29888	-	71,08x	-	9,13x	-	3,40x	-	3,70x	-	19,11x	-	1,60x	-	1,02x	-	369,91x	-	3,55x		
JDA Software Group Inc	Com	US	NASDAQ	Software e Dados	12,4384722	7,33853329	13,01x	-	-	-	-	-	-	-	-	10,17x	10,17x									
Jive Software, Inc	Com	US	NASDAQ	Software e Dados	-	-	-	21,61x	-	11,28x	-	8,19x	-	10,89x	-	211,29x	-	-	-	-	-	52,65x	-	11,28x		
Keyw Holding Corp	Com	US	NASDAQ	Software e Dados	-	13,9703661	18,22x	27,70x	50,64x	-	195,34x	17,08x	24,38x	16,37x	26,73x	-	0,03x	18,22x								
Liveperson Inc	Com	US	NASDAQ	Software e Dados	-	21,1231896	34,56x	113,49x	80,19x	34,76x	-	427,39x	-	660,10x	-	160,72x	-	92,92x	-	117,45x	21,12x					
Logmein, Inc	Com	US	NASDAQ	Software e Dados	-	52,6239817	28,26x	104,26x	49,97x	50,66x	86,12x	27,47x	10,91x	11,74x	46,89x	49,97x										
Manhattan Associates In	Com	US	NASDAQ	Software e Dados	10,649093	10,769905	12,79x	19,83x	21,83x	27,81x	18,09x	16,89x	18,73x	29,21x	19,55x	18,73x										
Marketo, Inc	Com	US	NASDAQ	Software e Dados	-	-	-	30,51x	-	26,90x	-	20,89x	-	-	-	-	26,10x	-	26,90x							
Mattersight Corp	Com	US	NASDAQ	Software e Dados	-	-3,589239	-	6,42x	-	9,64x	-	12,93x	-	15,56x	-	8,61x	-	16,07x	-	-	-	10,40x	-	9,64x		
Medidata Solutions, Inc	Com	US	NASDAQ	Software e Dados	-	13,6029738	23,83x	83,45x	52,68x	46,77x	33,46x	34,35x	41,25x	58,33x	43,08x	41,25x										
Mentor Graphics Corp	Com	US	NASDAQ	Software e Dados	-	-	9,52x	14,77x	11,96x	8,42x	21,73x	-	-	-	-	13,28x	11,96x									
Microsoft Corp	Com	US	NASDAQ	Software e Dados	7,10745562	5,97444804	7,44x	7,80x	9,72x	17,21x	16,28x	16,33x	14,52x	17,68x	12,55x	14,52x										
Microstrategy Inc	Com A	US	NASDAQ	Software e Dados	-	28,7786239	15,07x	22,83x	49,01x	10,00x	13,36x	9,52x	115,71x	-	313,39x	-	5,46x	15,07x								
Mindbody, Inc	Com A	US	NASDAQ	Software e Dados	-	-	-	-	-	-	18,28x	-	58,36x	-	231,72x	-	93,01x	-	100,34x	-	75,68x					
Mobileiron, Inc	Com	US	NASDAQ	Software e Dados	-	-	-	-	-	11,12x	-	2,43x	-	3,84x	-	5,40x	-	9,72x	-	13,07x	-	7,60x	-	7,56x		
Modsys Intl Ltd	Com	US	NASDAQ	Software e Dados	-	-1,0987923	-	15,88x	-	19,66x	-	11,05x	-	11,07x	-	1,63x	-	-	-	-	10,06x	-	11,06x			
Mongodb, Inc	Com A	US	NASDAQ	Software e Dados	-	-	-	-	-	-	-	-	-	-	38,82x	-	91,82x	-	65,32x	-	65,32x					
Monotype Imaging Hldg	Com	US	NASDAQ	Software e Dados	-	11,3392228	9,97x	18,39x	16,25x	15,94x	21,60x	38,60x	17,61x	16,73x	18,49x	16,73x										
Mtbc, Inc	Com	US	NASDAQ	Software e Dados	-	-	-	-	-	21,62x	94,23x	-	6,46x	-	117,10x	82,83x	193,73x	37,60x	38,18x							
National Instruments Cor	Com	US	NASDAQ	Software e Dados	15,6029311	16,9621331	16,14x	21,69x	16,23x	15,94x	18,85x	23,03x	22,50x	20,37x	19,08x	18,85x										
Nci, Inc	Com A	US	NASDAQ	Software e Dados	-	6,96268714	-	0,58x	4,24x	5,28x	6,78x	7,88x	-	-	-	5,09x	6,03x									
Net Element, Inc	Com	US	NASDAQ	Software e Dados	-	-78,417457	-	6,37x	-	3,59x	-	16,75x	-	3,61x	-	2,34x	-	3,80x	-	14,30x	-	11,01x	-	15,58x	-	6,37x
Netscout Systems Inc	Com	US	NASDAQ	Software e Dados	-	-	11,83x	11,87x	11,79x	26,00x	15,54x	13,20x	50,53x	55,24x	24,50x	14,37x										
Netsol Technologies Inc	Com	US	NASDAQ	Software e Dados	-	-	2,89x	4,42x	-	9,11x	7,51x	4,61x	13,82x	4,76x	6,25x	4,39x	4,69x									
Nextgen Healthcare, Inc	Com	US	NASDAQ	Software e Dados	-	-	7,86x	28,08x	13,67x	12,69x	20,29x	12,82x	19,69x	24,64x	17,47x	16,68x										
Nuance Comm, Inc	Com	US	NASDAQ	Software e Dados	28,7816404	35,1580062	26,68x	26,57x	30,15x	23,18x	16,93x	24,43x	36,56x	23,57x	27,03x	26,57x										
Nutanix, Inc	Com A	US	NASDAQ	Software e Dados	-	-	-	-	-	-	-	-	-	17,16x	-	28,89x	-	23,32x	-	23,12x	-	23,32x				
Onespan Inc	Com	US	NASDAQ	Software e Dados	-	5,72790749	8,57x	11,01x	22,19x	9,56x	19,85x	28,57x	36,56x	99,37x	26,82x	19,85x										
Park City Group Inc	Com	US	NASDAQ	Software e Dados	-	-	76,85x	-	312,87x	-	128,57x	-	85,48x	70,09x	41,87x	21,17x	20,52x	-	37,05x	20,84x						
Paylocity Holding Corp	Com	US	NASDAQ	Software e Dados	-	-	-	-	-	-	859,47x	184,43x	99,46x	74,11x	92,75x	262,05x	99,46x									
Pdf Solutions Inc	Com	US	NASDAQ	Software e Dados	-	27,2807432	16,89x	20,83x	11,54x	9,64x	34,18x	68,45x	-	44,27x	-	50,26x	10,48x	16,89x								

Pegasystems Inc	Com	US	NASDAQ	Software e Dados	-	35,0723914	14,32x	21,40x	17,90x	20,92x	41,00x	53,24x	131,10x	- 2.490,79x	- 239,54x	21,40x
Perficient Inc	Com	US	NASDAQ	Software e Dados	-	11,1393835	10,70x	18,33x	11,98x	12,17x	12,94x	14,66x	14,08x	18,10x	13,79x	12,94x
Progress Software Corp	Com	US	NASDAQ	Software e Dados	-	7,9302309	12,27x	14,19x	11,17x	19,64x	149,48x	17,39x	12,03x	14,97x	28,78x	14,19x
Proofpoint Inc	Com	US	NASDAQ	Software e Dados	-	-	28,58x	59,32x	73,76x	55,82x	89,56x	122,99x	251,33x	414,21x	60,19x	42,20x
PTC Inc	Com	US	NASDAQ	Software e Dados	17,6334391	11,0041414	15,76x	17,28x	16,68x	34,60x	86,24x	53,43x	59,89x	83,39x	42,03x	34,60x
Qad Inc	Com A	US	NASDAQ	Software e Dados	-	-	8,58x	17,64x	14,76x	13,27x	49,86x	61,63x	69,98x	51,24x	35,87x	33,75x
Qad Inc	Com B	US	NASDAQ	Software e Dados	-	-	8,58x	17,64x	14,76x	13,27x	49,86x	61,63x	69,98x	51,24x	35,87x	33,75x
Qlik Technologies Inc	Com	US	NASDAQ	Software e Dados	-	81,5902844	83,98x	183,33x	891,68x	718,10x	-	-	-	-	391,74x	183,33x
Qualys, Inc	Com	US	NASDAQ	Software e Dados	-	-	33,63x	53,18x	52,08x	23,96x	18,42x	33,14x	33,99x	37,82x	35,78x	33,81x
Quest Software Inc	Com	US	NASDAQ	Software e Dados	12,4661116	9,94526539	-	-	-	-	-	-	-	-	9,95x	9,95x
Qumu Corp	Com	US	NASDAQ	Software e Dados	-	6,19395244	0,48x	9,04x	3,30x	0,48x	2,39x	6,09x	4,06x	43,09x	6,97x	3,30x
Rapid7, Inc	Com	US	NASDAQ	Software e Dados	-	-	-	-	-	13,54x	10,52x	17,69x	36,49x	90,42x	33,73x	17,69x
Realnetworks Inc	Com	US	NASDAQ	Software e Dados	-21,164611	-3,4959932	0,07x	0,84x	1,61x	0,93x	3,46x	3,98x	2,69x	2,60x	2,19x	2,60x
Realpage Inc	Com	US	NASDAQ	Software e Dados	-	58,5929652	36,51x	33,42x	66,73x	51,61x	28,25x	40,70x	27,39x	33,16x	41,82x	36,51x
Ribbon Comm Inc	Com	US	NASDAQ	Software e Dados	1087,8041	-694,31281	6,99x	155,38x	750,20x	20,25x	116,98x	11,99x	115,37x	352,41x	142,79x	20,25x
Rumbleon, Inc	Com B	US	NASDAQ	Software e Dados	-	-	-	-	-	-	-	8,61x	-	-	8,61x	8,61x
Sapient Corp	Com	US	NASDAQ	Software e Dados	16,633033	11,8228805	8,77x	13,04x	18,98x	-	-	-	-	-	13,16x	12,43x
Scientific Games Corp	Com A	US	NASDAQ	Software e Dados	10,8967451	10,7694664	9,91x	24,26x	33,47x	72,91x	10,57x	11,70x	11,00x	10,50x	5,47x	10,77x
Sciquest Inc	Com	US	NASDAQ	Software e Dados	-	34,3240118	97,30x	226,06x	26,25x	15,23x	-	-	-	-	79,83x	34,32x
Secureworks Corp	Com A	US	NASDAQ	Software e Dados	-	-	-	-	-	-	-	22,52x	55,65x	178,38x	85,52x	55,65x
Sharpspring, Inc	Com	US	NASDAQ	Software e Dados	-	-	11,34x	1,30x	57,00x	3,20x	5,44x	4,90x	14,92x	24,87x	12,21x	5,17x
Shotspotter, Inc	Com	US	NASDAQ	Software e Dados	-	-	-	-	-	-	-	107,38x	242,55x	188,93x	108,04x	188,93x
Simulations Plus Inc	Com	US	NASDAQ	Software e Dados	-	-	13,93x	14,04x	20,12x	18,51x	16,86x	24,31x	26,77x	32,69x	20,90x	19,32x
Smith Micro Software, In	Com	US	NASDAQ	Software e Dados	-	0,03575645	0,96x	1,68x	3,48x	32,66x	1,42x	9,58x	167,81x	53,32x	18,25x	1,68x
Splunk Inc	Com	US	NASDAQ	Software e Dados	-	-	152,72x	35,37x	26,97x	18,37x	40,74x	76,69x	198,37x	78,46x	40,74x	40,74x
Sps Commerce Inc	Com	US	NASDAQ	Software e Dados	-	74,3789534	74,14x	88,17x	61,07x	62,56x	55,80x	33,33x	32,39x	38,33x	57,80x	61,07x
Ss&C Technologies Hldg l	Com	US	NASDAQ	Software e Dados	13,629749	10,2026693	13,19x	15,00x	17,72x	27,76x	15,54x	16,03x	19,70x	19,01x	17,13x	16,03x
Streamline Health Solutic	Com	US	NASDAQ	Software e Dados	-	-	19,52x	55,06x	12,37x	9,27x	62,75x	34,27x	18,82x	12,73x	19,51x	19,17x
Support.Com, Inc	Com	US	NASDAQ	Software e Dados	-	-3,6472303	50,99x	9,72x	38,13x	0,39x	0,39x	4,61x	0,34x	0,41x	8,55x	0,39x
Sykes Enterprises Inc	Com	US	NASDAQ	Software e Dados	-	4,07214525	5,76x	7,64x	6,30x	7,55x	7,71x	7,81x	7,57x	9,15x	7,06x	7,57x
Symantec Corp	Com	US	NASDAQ	Software e Dados	7,96081397	6,08356798	6,71x	8,68x	8,72x	9,66x	25,75x	36,20x	17,10x	17,82x	15,19x	9,66x
Synchronoss Technolog	Com	US	NASDAQ	Software e Dados	-	31,2517628	11,71x	15,73x	14,50x	10,22x	59,29x	21,65x	-	-	17,29x	14,50x
Synopsys Inc	Com	US	NASDAQ	Software e Dados	10,79209	8,54782025	12,25x	12,32x	13,01x	12,85x	15,11x	21,92x	21,67x	29,36x	16,34x	13,01x
Syntel Inc	Com	US	NASDAQ	Software e Dados	-	10,5452217	8,29x	11,61x	10,68x	9,64x	7,45x	8,57x	-	-	9,54x	9,64x
Take Two Interactive Sof	Com	US	NASDAQ	Software e Dados	-	8,58438226	5,02x	1,45x	17,49x	18,74x	11,75x	28,30x	21,24x	22,08x	10,80x	11,75x
Talend Sa	Com	US	NASDAQ	Software e Dados	-	-	-	-	-	-	21,90x	37,40x	29,27x	34,30x	30,72x	31,78x
Tangoe Inc	Com	US	NASDAQ	Software e Dados	-	56,1300655	30,29x	40,29x	29,59x	34,54x	32,22x	-	-	-	37,18x	33,38x
Tenable Hldg Inc	Com	US	NASDAQ	Software e Dados	-	-	-	-	-	-	-	-	26,84x	-	26,84x	26,84x
THQ Inc	Com	US	NASDAQ	Software e Dados	2,30702703	1,1710346	0,55x	-	-	-	-	-	-	-	0,86x	0,86x
Tibco Software Inc	Com	US	NASDAQ	Software e Dados	15,9634843	14,7522986	11,28x	12,80x	15,87x	-	-	-	-	-	13,67x	13,78x
Travelzoo	Com	US	NASDAQ	Software e Dados	-	19,9239856	8,52x	49,69x	5,49x	9,44x	7,58x	8,73x	10,04x	20,40x	15,54x	9,44x
Tsr Inc	Com	US	NASDAQ	Software e Dados	-	-	8,46x	16,28x	7,03x	4,45x	6,00x	7,12x	24,25x	7,49x	2,08x	5,22x
Tubemogul Inc	Com	US	NASDAQ	Software e Dados	-	-	-	-	865,45x	47,12x	22,84x	-	-	-	311,80x	47,12x
Ultimate Software Group	Com	US	NASDAQ	Software e Dados	58,8868277	58,6820701	58,96x	70,84x	55,12x	84,40x	81,60x	87,81x	62,92x	94,41x	72,75x	70,84x
Upland Software, Inc	Com	US	NASDAQ	Software e Dados	-	-	-	-	12,65x	64,93x	140,83x	692,57x	53,94x	78,36x	148,02x	66,15x
Upwork Inc	Com	US	NASDAQ	Software e Dados	-	-	-	-	-	-	-	-	272,19x	-	272,19x	272,19x
Varonis Systems Inc	Com	US	NASDAQ	Software e Dados	-	-	-	-	43,88x	21,65x	44,48x	118,32x	118,68x	115,37x	77,06x	79,93x
Verint Systems Inc	Com	US	NASDAQ	Software e Dados	-	-	10,64x	14,80x	24,29x	15,47x	19,25x	22,18x	15,75x	21,57x	17,99x	17,50x
Verisign Inc	Com	US	NASDAQ	Software e Dados	13,8015097	13,0506572	10,09x	13,32x	10,92x	14,26x	10,58x	14,60x	22,41x	28,56x	15,31x	13,32x
Verisk Analytics, Inc	Com	US	NASDAQ	Software e Dados	13,0374385	12,5951051	14,14x	16,19x	14,83x	16,64x	15,88x	17,91x	18,10x	22,60x	16,54x	16,19x

Veritone, Inc	Com	US	NASDAQ	Software e Dados	-	-	-	-	-	-	-	7,03x	0,38x	1,91x	3,10x	1,91x
Virtusa Corp	Com	US	NASDAQ	Software e Dados	-	-	8,57x	17,98x	15,92x	15,03x	18,52x	16,38x	14,41x	14,99x	15,22x	15,47x
Web.Com Group, Inc	Com	US	NASDAQ	Software e Dados	-	-263,11477	25,83x	22,68x	12,01x	10,98x	12,57x	9,67x	-	-	24,19x	12,01x
Zix Corp	Com	US	NASDAQ	Software e Dados	-	13,8440558	14,38x	23,85x	21,84x	25,15x	20,53x	16,31x	20,73x	95,77x	28,04x	20,73x
Zynga Inc	Com A	US	NASDAQ	Software e Dados	-	-	27,42x	24,37x	9,78x	17,59x	19,95x	50,57x	63,05x	65,91x	0,33x	13,69x
Alaska Comm Systems Gr	Com	US	NASDAQ	Telecomunicações	-	5,0717093	5,16x	1,70x	7,45x	2,84x	4,43x	5,61x	3,92x	5,45x	4,63x	5,07x
ATN Intl, Inc	Com	US	NASDAQ	Telecomunicações	-	5,17710766	3,38x	4,47x	5,76x	6,60x	9,27x	5,77x	7,06x	6,50x	6,00x	5,77x
Boingo Wireless Inc	Com	US	NASDAQ	Telecomunicações	-	7,63654416	5,95x	8,73x	20,59x	12,50x	17,80x	17,43x	10,86x	12,29x	12,64x	12,29x
Cogent Comm Hldg Inc	Com	US	NASDAQ	Telecomunicações	-	-	-	-	15,63x	15,72x	16,44x	16,68x	15,47x	18,89x	16,47x	16,08x
Consolidated Comm Hldg	Com	US	NASDAQ	Telecomunicações	-	8,83282013	10,15x	8,17x	11,31x	9,00x	10,34x	9,20x	6,66x	-	9,21x	9,10x
Dropcar, Inc	Com	US	NASDAQ	Telecomunicações	-	-	0,47x	3,37x	-	0,29x	0,64x	1,54x	0,17x	-	0,10x	0,38x
Fairpoint Comm Inc	Com	US	NASDAQ	Telecomunicações	-	-	5,89x	7,01x	9,95x	3,37x	3,07x	-	-	-	5,86x	5,89x
Frontier Comm Corp	Com	US	NASDAQ	Telecomunicações	10,7179395	5,7616945	5,37x	5,62x	8,17x	9,23x	7,35x	28,04x	6,20x	6,23x	9,11x	6,23x
Gci Liberty, Inc	Com A	US	NASDAQ	Telecomunicações	-	6,26777143	6,11x	5,90x	5,32x	7,55x	7,66x	10,58x	-	-	7,06x	6,27x
Global Eagle Entertainme	Com	US	NASDAQ	Telecomunicações	-	-	36,41x	41,06x	325,54x	22,01x	10,72x	4,43x	450,77x	76,37x	16,37x	7,57x
Gogo Inc	Com	US	NASDAQ	Telecomunicações	-	-	-	151,00x	89,09x	37,21x	13,80x	15,23x	8,23x	10,54x	46,44x	15,23x
Hawaiian Telcom Holdco	Com	US	NASDAQ	Telecomunicações	-	3,26133683	3,67x	4,61x	5,04x	4,96x	5,00x	6,82x	-	-	4,77x	4,96x
Inteliquent, Inc	Com	US	NASDAQ	Telecomunicações	-	3,23638981	1,16x	3,10x	7,26x	6,93x	9,36x	-	-	-	4,79x	5,08x
Inventergy Global, Inc	Com	US	NASDAQ	Telecomunicações	-	-	6,76x	155,01x	2,23x	35,66x	10,21x	-	-	-	39,27x	10,21x
J2 Global, Inc	Com	US	NASDAQ	Telecomunicações	-	-	-	-	11,85x	14,07x	12,22x	10,21x	9,54x	11,23x	11,52x	11,54x
Leap Wireless Intl Inc	Com	US	NASDAQ	Telecomunicações	297,700628	6,15014982	5,70x	11,25x	-	-	-	-	-	-	7,70x	6,15x
Lumos Networks Corp	Com	US	NASDAQ	Telecomunicações	-	-	6,52x	8,83x	7,41x	7,17x	8,96x	-	-	-	7,78x	7,41x
Nii Hldg Inc	Com	US	NASDAQ	Telecomunicações	5,70458939	3,6064656	7,12x	17,20x	-	-	-	-	-	-	9,31x	7,12x
Orbcomm Inc	Com	US	NASDAQ	Telecomunicações	-	8,4207384	8,60x	23,82x	42,32x	32,06x	24,43x	122,45x	17,63x	14,48x	32,69x	23,82x
Otelco Inc	Com A	US	NASDAQ	Telecomunicações	-	-	4,21x	4,31x	4,00x	4,00x	3,68x	3,93x	4,83x	4,83x	4,25x	4,21x
Pdvwireless, Inc	Com	US	NASDAQ	Telecomunicações	-	-	-	-	-	11,45x	6,42x	12,84x	11,86x	13,38x	11,19x	11,86x
Remark Hldg Inc	Com	US	NASDAQ	Telecomunicações	-	-3,7948901	2,13x	10,04x	3,82x	6,32x	10,54x	10,77x	2,08x	-	6,19x	5,07x
Rignet, Inc	Com	US	NASDAQ	Telecomunicações	-	7,25270163	7,96x	16,57x	11,64x	18,06x	13,77x	13,64x	11,01x	7,46x	7,83x	11,64x
Shenandoah Telecommu	Com	US	NASDAQ	Telecomunicações	-	4,70111631	5,28x	6,96x	7,11x	8,03x	11,51x	10,48x	10,92x	11,75x	8,53x	8,03x
Spok Hldg Inc	Com	US	NASDAQ	Telecomunicações	-	3,5330736	3,04x	3,61x	5,93x	7,00x	8,70x	9,22x	22,99x	32,63x	10,74x	7,00x
Towerstream Corp	Com	US	NASDAQ	Telecomunicações	-	-2634,8893	23,29x	16,90x	10,30x	54,11x	21,11x	-	-	-	460,10x	22,20x
Tw Telecom Inc	Com	US	NASDAQ	Telecomunicações	7,95168404	8,05325936	9,11x	11,45x	-	-	-	-	-	-	9,54x	9,11x
Windstream Hldg Inc	Com	US	NASDAQ	Telecomunicações	8,23722918	8,12017177	6,21x	5,67x	7,17x	5,84x	5,92x	93,26x	5,57x	-	6,10x	5,88x
Altra Industrial Motion C	Com	US	NASDAQ	Textil	-	6,61684865	6,56x	10,99x	8,46x	8,42x	15,27x	14,45x	21,35x	17,22x	12,15x	10,99x
Bebe Stores, Inc	Com	US	NASDAQ	Textil	17,608671	12,908282	12,96x	8,59x	2,09x	0,19x	13,77x	-	-	-	0,20x	1,14x
Centric Brands Inc	Com	US	NASDAQ	Textil	-	35,44943	4,40x	1.185,57x	9,88x	1,60x	93,77x	12,21x	31,93x	31,57x	144,69x	9,88x
Cherokee Inc	Com	US	NASDAQ	Textil	-	-	9,42x	10,76x	11,90x	10,99x	16,26x	6,12x	-	8,69x	8,84x	10,76x
Cintas Corp	Com	US	NASDAQ	Textil	7,86353348	7,87536726	8,13x	10,52x	12,24x	11,70x	13,41x	-	15,27x	18,27x	12,18x	11,97x
Columbia Sportswear Co	Com	US	NASDAQ	Textil	12,3220736	7,47362508	8,62x	12,84x	10,67x	10,13x	11,16x	13,18x	12,47x	14,00x	11,17x	11,16x
Crocs, Inc	Com	US	NASDAQ	Textil	11,4316256	6,19593449	5,59x	10,59x	23,70x	16,99x	12,88x	14,05x	18,79x	19,49x	10,48x	12,88x
Crown Crafts Inc	Com	US	NASDAQ	Textil	-	-	5,43x	7,23x	7,68x	6,59x	6,33x	9,34x	6,57x	5,83x	6,87x	6,58x
Dixie Group Inc	Com	US	NASDAQ	Textil	-	6,90298753	11,31x	15,03x	35,64x	13,00x	16,46x	11,55x	44,17x	23,24x	4,72x	11,55x
G lii Apparel Group Ltd	Com	US	NASDAQ	Textil	-	-	9,06x	12,37x	13,93x	9,15x	9,35x	15,42x	7,78x	6,68x	10,47x	9,25x
Iconix Brand Group, Inc	Com	US	NASDAQ	Textil	-	6,2179142	8,82x	10,75x	9,89x	7,16x	7,64x	1,49x	5,75x	5,73x	0,88x	1,49x
Interface Inc	Com	US	NASDAQ	Textil	-	-	13,83x	13,77x	12,87x	9,70x	9,58x	11,84x	11,47x	13,89x	12,12x	12,35x
Nordson Corp	Com	US	NASDAQ	Textil	12,1012494	8,66031718	12,47x	14,28x	13,17x	12,39x	16,04x	18,16x	13,51x	15,86x	13,84x	13,51x
Perry Ellis Intl, Inc	Com	US	NASDAQ	Textil	-	-	9,33x	8,84x	111,47x	8,89x	42,87x	8,60x	-	-	5,49x	8,87x
Rocky Brands, Inc	Com	US	NASDAQ	Textil	-	5,35918456	6,01x	8,31x	5,86x	6,10x	20,58x	7,54x	7,76x	7,04x	8,28x	7,04x
Sequential Brands Group	Com	US	NASDAQ	Textil	-	-	-	-	-	-	11,78x	2,99x	10,16x	7,30x	2,91x	3,59x
Steven Madden, Ltd.	Com	US	NASDAQ	Textil	-	8,45836593	9,32x	10,51x	10,57x	9,28x	10,52x	13,16x	12,15x	13,14x	10,79x	10,52x

Superior Group Of Comp	Com	US	NASDAQ	Textil	-	8,29017572	9,50x	10,59x	9,97x	11,09x	12,61x	13,69x	11,74x	10,99x	10,94x	10,99x
Taylor Devices Inc	Com	US	NASDAQ	Textil	-	-	6,99x	9,48x	10,54x	9,43x	8,90x	16,47x	13,89x	11,12x	10,85x	10,01x
Air Methods Corp	Com	US	NASDAQ	Transporte Serviç	-	9,91559497	8,20x	14,70x	8,93x	8,28x	7,22x	-	-	-	9,54x	8,60x
Allegiant Travel Co	Com	US	NASDAQ	Transporte Serviç	-	6,70685099	6,50x	8,20x	11,78x	6,66x	6,76x	9,25x	6,69x	8,09x	7,85x	6,76x
American Airlines Group	Com	US	NASDAQ	Transporte Serviç	6,59264787	135,510296	-	5,33x	8,78x	5,33x	5,94x	7,39x	7,17x	-	25,06x	7,17x
Arcbest Corp	Com	US	NASDAQ	Transporte Serviç	35,9855983	4,85433351	4,02x	7,93x	7,38x	3,21x	5,92x	6,44x	4,02x	3,80x	5,29x	4,85x
Atlas Air Worldwide Hldg	Com	US	NASDAQ	Transporte Serviç	-	8,23688012	7,09x	8,56x	9,40x	9,34x	9,02x	7,77x	6,02x	6,77x	8,02x	8,24x
C H Robinson Worldwide	Com	US	NASDAQ	Transporte Serviç	19,8000896	15,2816097	14,35x	12,93x	14,81x	10,48x	12,55x	15,72x	12,51x	11,95x	13,40x	12,93x
Clearwire Corp	Com	US	NASDAQ	Transporte Serviç	-4,3532984	-2,8417143	- 13,73x	-	-	-	-	-	-	-	8,29x	8,29x
Covenant Transportation	Com A	US	NASDAQ	Transporte Serviç	-	5,58922162	3,59x	5,39x	6,60x	4,55x	5,37x	7,18x	4,20x	4,43x	5,21x	5,37x
Cryoport, Inc	Com	US	NASDAQ	Transporte Serviç	-	-	- 2,64x	- 4,46x	- 7,42x	- 1,48x	- 6,40x	- 28,30x	- 37,25x	- 63,43x	- 18,92x	- 6,91x
Directv	Com	US	NASDAQ	Transporte Serviç	6,66959215	6,16251244	6,17x	6,77x	7,44x	-	-	-	-	-	6,64x	6,47x
Eagle Bulk Shipping Inc	Com	US	NASDAQ	Transporte Serviç	-	-	-	-	20,58x	- 3,85x	- 2,91x	15,24x	7,84x	8,77x	7,61x	8,30x
Echo Global Logistics, Inc	Com	US	NASDAQ	Transporte Serviç	-	11,4060951	12,62x	13,37x	15,96x	16,39x	19,25x	18,70x	8,02x	8,31x	13,78x	13,37x
Expeditors Intl Of Washir	Com	US	NASDAQ	Transporte Serviç	17,9485858	11,2606531	12,27x	13,04x	11,87x	9,90x	11,96x	13,93x	12,73x	14,18x	12,35x	12,27x
Forward Air Corp	Com	US	NASDAQ	Transporte Serviç	-	8,73603375	8,77x	11,28x	11,71x	11,58x	14,93x	11,67x	9,89x	11,29x	11,10x	11,29x
Hawaiian Hldg Inc	Com	US	NASDAQ	Transporte Serviç	-	4,68665997	2,66x	3,95x	5,49x	3,88x	5,86x	3,65x	3,30x	-	4,18x	3,91x
Heartland Express Inc	Com	US	NASDAQ	Transporte Serviç	-	6,73312321	6,49x	9,46x	9,85x	6,20x	8,20x	11,16x	7,00x	7,34x	8,05x	7,34x
Hub Group, Inc	Com A	US	NASDAQ	Transporte Serviç	-	10,7707807	9,12x	10,82x	12,59x	7,40x	9,06x	12,02x	7,41x	6,89x	9,56x	9,12x
Hunt J B Transport Servic	Com	US	NASDAQ	Transporte Serviç	10,4230438	9,12335287	10,19x	11,82x	11,66x	8,91x	10,96x	13,59x	10,12x	10,33x	10,75x	10,33x
Jetblue Airways Corp	Com	US	NASDAQ	Transporte Serviç	7,13204973	6,07246927	5,81x	5,95x	7,33x	5,19x	4,50x	5,30x	7,29x	9,44x	6,32x	5,95x
Landstar System Inc	Com	US	NASDAQ	Transporte Serviç	12,6808198	10,9879351	10,61x	12,44x	12,66x	9,34x	13,55x	15,04x	10,43x	10,96x	11,78x	10,99x
Marten Transport Ltd	Com	US	NASDAQ	Transporte Serviç	-	3,72591661	3,80x	5,65x	6,33x	4,64x	5,44x	7,68x	5,19x	5,90x	5,37x	5,44x
Norwegian Cruise Line HI	Com	US	NASDAQ	Transporte Serviç	-	-	-	16,14x	19,32x	17,11x	11,62x	11,65x	8,80x	10,21x	13,55x	11,65x
Odyssey Marine Explorat	Com	US	NASDAQ	Transporte Serviç	-	-15,298057	- 16,93x	- 11,42x	- 4,30x	- 2,00x	- 5,21x	- 7,62x	- 10,19x	- 11,76x	- 9,41x	- 10,19x
Old Dominion Freight Lin	Com	US	NASDAQ	Transporte Serviç	9,42164397	7,76108036	8,03x	10,16x	11,59x	7,71x	10,64x	13,82x	9,50x	10,67x	9,99x	10,16x
Pam Transportation Serv	Com	US	NASDAQ	Transporte Serviç	-	4,36695928	4,34x	5,29x	7,71x	4,53x	5,18x	6,60x	4,71x	5,14x	5,32x	5,14x
Patriot Transportation Hc	Com	US	NASDAQ	Transporte Serviç	-	-	-	-	-	5,37x	3,66x	3,78x	5,67x	5,18x	4,73x	5,18x
Phi Inc	Com	US	NASDAQ	Transporte Serviç	-	8,87787195	7,83x	5,58x	5,59x	3,85x	9,40x	15,69x	- 10,98x	-	5,73x	6,71x
Providence & Worcester	Com	US	NASDAQ	Transporte Serviç	-	11,47681	12,23x	19,24x	13,61x	11,04x	-	-	-	-	13,52x	12,23x
Rand Logistics, Inc	Com	US	NASDAQ	Transporte Serviç	-	-	8,13x	7,83x	7,31x	7,45x	6,90x	7,58x	-	-	7,53x	7,52x
Saia Inc	Com	US	NASDAQ	Transporte Serviç	-	4,13371249	4,04x	6,82x	10,01x	4,05x	7,63x	10,62x	6,39x	7,82x	6,84x	6,82x
Sino-Global Shipping Am	Com	US	NASDAQ	Transporte Serviç	-	-	- 2,06x	- 10,97x	8,25x	5,90x	8,94x	7,84x	- 4,16x	- 2,52x	1,40x	1,92x
Skywest Inc	Com	US	NASDAQ	Transporte Serviç	4,5049879	6,18690929	3,81x	3,95x	6,60x	4,86x	34,51x	6,98x	5,91x	-	9,10x	6,05x
Spirit Airlines, Inc	Com	US	NASDAQ	Transporte Serviç	-	5,21621492	4,46x	8,83x	12,47x	4,61x	7,61x	6,91x	9,39x	7,81x	7,48x	7,61x
Universal Logistics Hldg I	Com	US	NASDAQ	Transporte Serviç	-	7,36640773	7,80x	10,92x	9,34x	5,59x	8,49x	12,48x	6,57x	7,01x	8,40x	7,80x
USA Truck Inc	Com	US	NASDAQ	Transporte Serviç	-	5,39321478	7,92x	7,44x	6,82x	4,60x	10,01x	9,77x	5,75x	5,64x	7,04x	6,82x
UTI Worldwide Inc	Com	US	NASDAQ	Transporte Serviç	12,6566906	7,28997279	9,90x	- 123,55x	42,33x	- 10,55x	-	-	-	-	14,92x	7,29x
Virgin America Inc	Com	US	NASDAQ	Transporte Serviç	-	-	-	-	-	6,89x	-	-	-	-	6,89x	6,89x
Werner Enterprises Inc	Com	US	NASDAQ	Transporte Serviç	5,673956	5,24475537	4,89x	5,79x	6,80x	4,38x	6,27x	7,96x	4,83x	5,12x	5,70x	5,24x
Yrc Worldwide Inc	Com	US	NASDAQ	Transporte Serviç	50,8936486	15,0560288	5,73x	6,60x	6,70x	5,15x	4,45x	5,27x	2,59x	4,81x	6,26x	5,27x
Aerovironment Inc	Com	US	NASDAQ	Veiculos e peças	-	-	6,44x	- 753,89x	30,71x	20,10x	275,50x	25,84x	23,31x	20,19x	- 43,98x	21,75x
Arctic Cat Inc	Com	US	NASDAQ	Veiculos e peças	-	-	4,76x	10,26x	8,32x	- 2.764,19x	- 4,17x	-	-	-	- 549,00x	4,76x
Astronics Corp	Com	US	NASDAQ	Veiculos e peças	-	12,8522412	7,76x	19,50x	11,93x	9,59x	11,25x	24,64x	12,17x	12,81x	13,61x	12,17x
B/E Aerospace Inc	Com	US	NASDAQ	Veiculos e peças	13,4462606	10,0685559	10,70x	14,52x	15,21x	11,74x	13,47x	-	-	-	12,62x	12,60x
Blue Bird Corp	Com	US	NASDAQ	Veiculos e peças	-	-	-	-	- 24,89x	6,78x	12,02x	9,44x	12,50x	12,28x	4,69x	10,73x
Commercial Vehicle Gro	Com	US	NASDAQ	Veiculos e peças	-	-	7,08x	13,68x	7,15x	3,97x	6,35x	9,21x	3,21x	4,01x	6,83x	6,72x
Dorman Products, Inc	Com	US	NASDAQ	Veiculos e peças	-	-	11,20x	14,37x	10,91x	9,90x	12,69x	10,03x	14,69x	14,29x	12,26x	11,94x
Erickson Inc	Com	US	NASDAQ	Veiculos e peças	-	-	4,09x	8,79x	9,58x	- 50,42x	-	-	-	-	6,99x	6,44x
Federal-Mogul Hldg Llc	Com	US	NASDAQ	Veiculos e peças	6,28109837	10,3245863	11,68x	9,39x	9,94x	9,13x	7,37x	4,50x	-	-	8,91x	9,39x

Fox Factory Holding Corp	Com	US	NASDAQ	Veiculos e peças	-	-	-	13,79x	14,53x	13,43x	19,32x	19,67x	20,76x	23,15x	17,81x	19,32x
Gentex Corp	Com	US	NASDAQ	Veiculos e peças	16,1774359	13,9653904	7,87x	12,89x	10,62x	8,05x	8,50x	8,51x	8,05x	8,69x	9,68x	8,51x
Gentherm Inc	Com A	US	NASDAQ	Veiculos e peças	-	9,06434296	5,91x	11,85x	9,83x	10,96x	8,55x	8,48x	12,11x	11,51x	9,81x	9,83x
Klx Inc	Com	US	NASDAQ	Veiculos e peças	-	-	-	-	-	-	18,28x	16,77x	-	-	17,53x	17,53x
Kratos Defense & Securit	Com	US	NASDAQ	Veiculos e peças	-	10,0847731	96,99x	11,99x	15,09x	27,62x	123,38x	67,40x	31,88x	44,82x	47,70x	31,88x
LMI Aerospace Inc	Com	US	NASDAQ	Veiculos e peças	-	6,23276442	14,35x	16,75x	32,36x	8,64x	53,60x	-	-	-	16,40x	11,49x
Malibu Boats, Inc	Com A	US	NASDAQ	Veiculos e peças	-	-	-	-	66,61x	8,33x	8,30x	11,59x	8,84x	9,14x	18,80x	8,99x
Mastercraft Boat Hldg In	Com	US	NASDAQ	Veiculos e peças	-	-	-	-	-	-	9,61x	12,31x	7,11x	7,92x	9,24x	8,77x
Motorcar Parts America I	Com	US	NASDAQ	Veiculos e peças	-	-	41,51x	5,42x	14,39x	15,29x	8,23x	9,03x	12,06x	13,97x	13,63x	13,01x
Paccar Inc	Com	US	NASDAQ	Veiculos e peças	27,8923096	8,04571012	10,10x	12,61x	11,70x	6,57x	18,57x	10,33x	6,00x	7,45x	10,15x	10,10x
Spartan Motors Inc	Com	US	NASDAQ	Veiculos e peças	-	11,9020658	23,44x	195,55x	21,72x	15,69x	17,32x	20,58x	9,53x	13,09x	33,05x	17,32x
Strattec Security Corp	Com	US	NASDAQ	Veiculos e peças	-	-	2,75x	4,90x	6,09x	6,32x	5,28x	7,41x	4,78x	4,57x	5,26x	5,09x
Tesla, Inc	Com	US	NASDAQ	Veiculos e peças	-18,036514	-12,69814	11,27x	337,44x	247,60x	148,43x	96,72x	623,19x	39,14x	25,55x	133,03x	39,14x
Virco Mfg Corp	Com	US	NASDAQ	Veiculos e peças	-	-	12,56x	21,87x	8,86x	3,98x	5,60x	8,54x	8,46x	11,24x	10,14x	8,70x
Workhorse Group Inc	Com	US	NASDAQ	Veiculos e peças	-	-1,9109078	3,38x	2,99x	4,34x	18,42x	9,77x	2,69x	1,25x	3,85x	5,40x	3,38x