# OptionsHawk

The **S&P 500 (SPX)** continued its march to all-time highs above 3,000 this week after Jerome Powell calmed market nerves around a rate cut in July. The 8-EMA remains supportive on shallow dips without a close below that level in eleven sessions and down near 2987 on Friday. We're up near the high-end of the weekly Bollinger bands as well as key trend levels around 3,020/3,030, potential spots for a consolidation or pullback. The next important Fib extension is above at 3,097.50 and then 3,100 from the recent 10-week consolidation. On the monthly, a notable bullish MACD crossover emerging with the recent strength. Support below is at the rising 20-day around 2,954 and then 2,945 which aligns with the April highs. **Gold (GLD)** continues to consolidate in a bull flag with support Friday at the 8-EMA. **Bonds (TLT)** pulled back to their 50-day MA which held on Friday.



**Market Sentiment/Breadth** 

The latest AAII sentiment survey for the week ending 7/10 showed a modest rise in bulls, 0.5%, and a 4.4% jump in neutral sentiment which is now over 7.5% above average. Bearish sentiment is now below the long-term average. NAAIM Exposure Index jumped again to 87.34 and now up from 55 in the first week of June. A move above 90 has been an indicator of exhaustion over the last two years. Lipper Fund Flows had \$1B of inflows for the week, the first positive move in a month. Breadth remains strong with 476 new highs on Friday vs just 101 new lows and more than two-thirds of stocks above their 50-day MA. NYSE Summation remains above its 8-EMA and in bull mode at 781.93. Cumulative AD and Cumulative TICK hit new highs this week. The CBOE Equity P/C ratio's 20-day MA hit its lowest levels since May on Friday and back near the low-end of its historical range but not an extreme.

## **Market Event Outlook**

Monday: Empire State Mfg. at 8:30 AM, John Williams Speaks at 8:50; International Data: RBA Minutes; Earnings Before the Open: C, OGI; Earnings After the Close: JBHT

**Tuesday:** Retail Sales at 8:30 AM, Import/Export at 8:30, Industrial Production at 9:15, Business Inventories at 10:00, Housing Market at 10:00; **International Data**: EU Merchandise Trade, German ZEW Survey; **International Earnings**: America Movil; **Earnings Before the Open**: CP, DPZ, FHN, FRC, GS, JNJ, JPM, PLD, WFC; **Earnings After the Close:** CTAS, CSX, SGEN, UAL; **Analyst Days**: BHP

Wednesday: Housing Starts at 8:30 AM, EIA Petroleum at 10:30, Beige Book at 2:00; International Data: EU HICP, UK CPI; International Earnings: Ericsson, ASML, Ubisoft, TomTom; Earnings Before the Open: ABT, ASML, BAC, BK, CMA, ERIC, OMC, PNC, PGR, TXT, USB, WIT; Earnings After the Close: ADTN, AA, CCK, CCI, EBAY, IBM, KMI, LLNW, NFLX, URI; Analyst Days: AAR, INFN

Thursday: Jobless Claims at 8:30 AM, Philadelphia Fed at 8:30, EIA Nat Gas at 10:30, John Williams Speaks at 2:15; International Data: UK Retail Sales; International Earnings: Volvo, SAP, Novartis, ElectroLux, Richemont, Nordea, Publicis, Remy Cointreau, Alstom; Earnings Before the Open: ADS, ALLY, BX, GTLS, DHR, DOV, GATX, GPC, HON, MS, NVS, NUE, PM, POOL, PPG, SAP, SNA, SON, STI, TSM, UNP, UNH, WBS; Earnings After the Close: OZK, COF, CHWY, CRWD, ETFC, ISRG, MRTN, MSFT, RECN, SKX

Friday: Consumer Sentiment at 10:30 AM, James Bullard Speaks at 11:15, Eric Rosengren Speaks at 4:15; International Data: German PPI; Earnings Before the Open: AXP, ALV, BLK, CFG, CLF, GNTX, KSU, MAN, RF, SLB, STT, SYF; Analyst Days: SCHW (Summer Business Update)

## **Weekly Open Interest Radar**

**Qorvo (QRVO)** shares are consolidating in a small range above the rising 8-EMA after gapping higher recently. QRVO has room back up to \$75 from April and has seen buyers active recently in the August \$70 and \$75 calls. The November \$72.50 calls and August \$70 calls also with buyers in May.

**Trade to Consider**: Long the **QRVO** August \$70 Calls for \$3.80 or Better



# **Weekly Options Technical Trade Set-Up**

Ticker	MTCH		
Trigger Level	\$74		
Call/Put	Calls		
Strike	\$70		
Target	\$77.50		
Stop	\$71		



# **Insider Trade of the Week**

Invesco (IVZ) shares trading in a narrow range over the last two months and back near an area where a director bought nearly \$200,000 in stock in mid-May at \$19.84. IVZ has seen a lot of notable buys this year with four different individuals buying over \$1.48M since February with the largest single purchase a \$377,800 buy at \$18.89. IVZ has traded well in 2019 up over 20% and bouncing back after struggling in 2018 when its share price fell from \$35 down to \$15. IVZ is forming a narrow multi-week range now with a potential breakout targeting \$25 and the October breakdown zone. The \$8.33B company trades 7.26X earnings, 1.6X sales, and 0.90X book with a 6.16% yield. IVZ expects 14.5% EPS growth and 11.2% revenue growth next year. IVZ reported growth in AUM in June, up 3.3%, driven by better market returns and non-management fee earning inflows. The firm has seen positive AUM gains every month this year. IVZ reached a deal to acquire Oppenheimer Funds in October 2018, a move which carries significant expense synergies as they become the sixth largest retail asset manager in the US. It also gives IVZ a wider array of products across high-conviction active, passive and alternative strategies while adding notable scale. Analysts have an average target for shares of \$22. Jefferies downgraded shares to Neutral on 6-7 citing challenges to their near-term organic growth. They think the OFI deal will generate significant synergies but risks from continued attrition within their core active business is a concern. Short interest is 5.4% and rising in May/June from around 3%. Hedge Fund ownership fell 46% last quarter. Bridgewater selling their entire 1.96M share position. Element Capital, Millennium Management, and Gillson Capital all notable holders. IVZ has over 62,000 January 2021 \$25 calls in open interest.

# **Earnings Preview**

Domino's Pizza (DPZ) will report earnings on Tuesday July 16 before the open with the Street looking for \$2.02 on \$836.92M in sales, a 7.4% increase Y/Y. Next quarter is guided to \$2.12/\$849.11 while the FY is \$9.42 and \$3.7B. Shares have closed lower three of the last four with an average closing move of 4.83% and a max move of 9.2%. 30-day IV is 34.7% and in the 85<sup>th</sup> percentile of its annual range. Skew is bearish with the 25-delta p/c at 13.9% vs 5.9% average. The \$11.53B company trades 25.8X earnings, 3.3X sales, and 58.5X FCF with a 0.92% yield. DPZ expects 16.3% and 14.2% EPS growth and 9.5% revenue growth over the next two years. DPZ has continued to shine within the restaurant sector despite tough comps in both 2017 and 2018 as their lead in digital and mobile ordering have given them a strong advantage. They've seen growth in both average ticket size as well as overall orders but US comps slowed given "aggressive" marketing of third party site like Grub Hub and DoorDash. Analysts have an average target for shares of \$297.75 with 13 buy ratings and 5 hold. CSFB out on 7-12 previewing earnings noting buy-side expectations for SSS are below sell-side consensus given headwinds from increasing competition from delivery aggregators. They also think the "Points for Pies" promo in late 1Q/early 2Q is potentially a near-term drag. If SSS accelerate from Q1, investor sentiment will increase in hitting 4%+. They remain positive on DPZ's long-term story as one of the few companies in restaurants with a balanced growth algorithm comprised of positive traffic, healthy average ticket and global unit growth. Maxim positive on 7-12 seeing EPS growth accelerating in 2020. The firm expects the management to address its "fortressing" strategy that will allow the company to pick up market share given the ongoing troubles at Papa John's (PZZA). MSCO on 7-11 seeing less risk from 3<sup>rd</sup> party delivery than some believe. The firm thinks there's a 1%-2% impact on same-store sales but DPZ still has an opportunity to grow its current U.S. store base of about 5,900 to at least 8,000-9,000 units over time. OTR Global cautious on 7-11 citing checks which indicate weaker sales impacted by heavy coupon use and lack of menu innovation. Short interest is 6.1% and dropping recently from 9% in in mid-June. Hedge Fund ownership fell 5.3% last quarter. Tiger Global, Fisher Asset Management, and Melvin Capital notable holders. On the chart, shares trading in a narrow weekly bull flag under \$290 with a breakout targeting \$310 on the upside. Shares are basing on the daily above the 50-day MA and back above cloud resistance and the YTD VPOC on Friday. MACD is nearing a bullish crossover.





# **July OpEx Notable Open Interest**

Date Description			\$ Outlay	Date C/42/2010	Description	Volume		\$ Outlay
6/13/2019 NFLX 100 19 JUL 19 340 CALL	7,137	\$21.40	\$15,273,180		MTCH 100 19 JUL 19 70 CALL	3,380	\$4.85	\$1,639,300
4/12/2019 MSFT 100 19 JUL 19 120 CALL	21,542	\$5.47			TWLO 100 19 JUL 19 125 CALL	2,000		\$1,630,000
5/24/2019 DXC 100 19 JUL 19 52.5 PUT 5/24/2019 DXC 100 19 JUL 19 55 CALL	40,002 38,036	\$2.45 \$1.65	\$9,800,490 \$6,466,120		ADSK 100 19 JUL 19 170 CALL GILD 100 19 JUL 19 65 CALL	7,799	\$12.14	\$1,609,764 \$1,598,795
5/14/2019 BRK/B 100 19 JUL 19 200 CALL	4,600	\$11.05	\$5,198,000		LK 100 19 JUL 19 17.5 CALL	5,238		\$1,545,210
6/4/2019 CMCSA 100 19 JUL 19 32.5 CALL	4,033	\$8.98	\$3,649,865		PANW 100 19 JUL 19 200 CALL	2,197	\$6.89	\$1,537,900
5/16/2019 NVDA 100 19 JUL 19 155 CALL	3,423	\$14.85	\$4,980,465		EXP 100 19 JUL 19 72.5 CALL	2,501	\$5.60	\$1,450,580
3/5/2019 ALGN 100 19 JUL 19 240 CALL	1,700	\$23.80	\$4,131,000		MS 100 19 JUL 19 44 CALL	9,690		\$1,424,430
6/5/2019 DBX 100 19 JUL 19 23 CALL	10,000	\$1.20	\$1,200,000		SHOP 100 19 JUL 19 320 CALL	1,495	\$9.13	
6/13/2019 MCHP 100 19 JUL 19 80 CALL	5,000	\$6.12	\$3,060,000	6/10/2019	TNDM 100 19 JUL 19 70 CALL	2,999	\$4.53	
2/1/2019 LPLA 100 19 JUL 19 80 CALL	7,527	\$3.75	\$2,822,625	6/10/2019	OLED 100 19 JUL 19 175 CALL	1,434	\$9.60	\$1,376,640
5/16/2019 ADBE 100 19 JUL 19 280 CALL	1,596	\$16.25	\$2,593,500	5/9/2019	MPC 100 19 JUL 19 55 CALL	5,623	\$2.43	\$1,366,389
6/6/2019 LYFT 100 19 JUL 19 60 CALL	5,341	\$4.40	\$2,403,450	6/27/2019	D 100 19 JUL 19 75 CALL	4,160	\$2.80	\$1,248,000
12/14/2018 PYPL 100 19 JUL 19 95 CALL	4,000	\$5.85	\$2,380,000	6/5/2019	NEE 100 19 JUL 19 200 CALL	1,824	\$6.22	\$1,222,080
2/19/2019 AU 100 19 JUL 19 14 CALL	13,204	\$1.79	\$2,376,720	2/26/2019	SWK 100 19 JUL 19 145 CALL	2,000	\$6.10	\$1,220,000
5/3/2019 MCD 100 19 JUL 19 200 CALL	7,336	\$3.15	\$2,310,840	6/17/2019	NXPI 100 19 JUL 19 90 CALL	3,119	\$3.70	\$1,200,815
6/26/2019 CAT 100 19 JUL 19 130 CALL	3,284	\$6.88	\$2,265,960		ARQL 100 19 JUL 19 10 CALL	10,228	\$0.90	\$1,073,940
6/11/2019 JPM 100 19 JUL 19 110 CALL	6,608	\$3.40	\$2,246,720		OLED 100 19 JUL 19 180 CALL	1,365	\$7.30	\$996,450
2/25/2019 QURE 100 19 JUL 19 75 CALL	5,015	\$4.00	\$2,006,000		WIX 100 19 JUL 19 145 CALL	1,031	\$9.25	\$969,140
6/4/2019 SBUX 100 19 JUL 19 75 CALL	4,300	\$4.65			HAS 100 19 JUL 19 95 CALL	2,400	\$4.00	\$960,000
4/17/2019 AMD 100 19 JUL 19 30 CALL	9,362	\$2.13	\$1,994,106		GBT 100 19 JUL 19 60 CALL	2,030	\$4.60	\$933,800
3/27/2019 GS 100 19 JUL 19 195 CALL	2,152	\$8.90	\$1,958,320		CCI 100 19 JUL 19 130 CALL	2,229	\$4.05	\$902,745
1/25/2019 TGT 100 19 JUL 19 82.5 CALL	12,008	\$1.63	\$1,957,304		JNPR 100 19 JUL 19 25 CALL	2,743	\$3.13	\$864,045
3/7/2019 QSR 100 19 JUL 19 65 CALL	8,912	\$2.10	\$1,916,080		WWE 100 19 JUL 19 75 CALL YEXT 100 19 JUL 19 17.5 CALL	2,026	\$4.00	\$830,660
2/25/2019 QCOM 100 19 JUL 19 60 CALL 5/31/2019 WIX 100 19 JUL 19 140 CALL	15,553 2,364	\$1.19 \$7.80	\$1,913,019 \$1,891,200	15 15	SHAK 100 19 JUL 19 70 CALL	2,410	\$3.70	\$795,300 \$791,800
4/17/2019 SNE 100 19 JUL 19 50 CALL	10,017	\$1.75	\$1,891,200		ALXN 100 19 JUL 19 145 CALL	2,140 2,653	\$2.95	\$791,800
2/1/2019 SYMC 100 19 JUL 19 25 CALL	12,586	\$1.73	\$1,724,282		COP 100 19 JUL 19 62.5 CALL	2,535	\$2.90	\$740,220
6/19/2019 JD 100 19 JUL 19 28 CALL	10,188	\$1.68	\$1,724,282		RHI 100 19 JUL 19 55 CALL	2,399	\$3.03	\$740,220
6/21/2019 OUT 100 19 JUL 19 25 CALL	9,207	\$1.80			NUE 100 19 JUL 19 55 CALL	2,081	\$3.45	\$720,837
6/25/2019 GOOGL 100 19 JUL 19 1115 CALL	1,117	\$14.50	\$1,653,160		VIAB 100 19 JUL 19 32 CALL	11,941	\$0.55	\$716,460
0, 20, 2013	_,,	Q1	41,000,100	,,0,2013	**************************************			
2/28/2019 DELL 100 19 JUL 19 52.5 CALL	2.251	\$7.30	\$1,643,230	6/13/2019	SSRM 100 19 JUL 19 13 CALL	13.258	S0.54	S715.932
2/28/2019 DELL 100 19 JUL 19 52.5 CALL	2,251	\$7.30	\$1,643,230	6/13/2019	SSRM 100 19 JUL 19 13 CALL	13,258	\$0.54	\$715,932
		• 11.101.101.10		6/13/2019 Date		13,258 Volume		
	2,251 Volume 6,478	• 11.101.101.10	\$1,643,230 <b>\$ Outlay</b> \$712,580	Date	SSRM 100 19 JUL 19 13 CALL  Description  CREE 100 19 JUL 19 57.5 CALL			\$715,932 <b>\$ Outlay</b> \$463,034
Date Description	Volume	Price	\$ Outlay \$712,580	Date 6/13/2019	Description	Volume	<b>Price</b> \$2.86	\$ Outlay
Date Description 7/5/2019 PAYX 100 19 JUL 19 85 CALL 6/18/2019 DVA 100 19 JUL 19 50 CALL 5/31/2019 SWKS 100 19 JUL 19 70 CALL	Volume 6,478 2,626 2,041	Price \$1.05 \$2.60 \$3.30	\$ Outlay \$712,580 \$709,020 \$693,940	Date 6/13/2019 6/18/2019 6/7/2019	Description  CREE 100 19 JUL 19 57.5 CALL  MDT 100 19 JUL 19 100 CALL  BTI 100 19 JUL 19 35 CALL	Volume 1,619 5,452 1,220	\$2.86 \$0.77 \$3.70	\$ Outlay \$463,034 \$457,968 \$451,400
Date Description 7/5/2019 PAYX 100 19 JUL 19 85 CALL 6/18/2019 DVA 100 19 JUL 19 50 CALL 5/31/2019 SWKS 100 19 JUL 19 70 CALL 6/21/2019 ALXN 100 19 JUL 19 140 CALL	Volume 6,478 2,626 2,041 2,165	\$1.05 \$2.60 \$3.30 \$3.77	\$ Outlay \$712,580 \$709,020 \$693,940 \$692,800	Date 6/13/2019 6/18/2019 6/7/2019 7/9/2019	Description  CREE 100 19 JUL 19 57.5 CALL  MDT 100 19 JUL 19 100 CALL  BTI 100 19 JUL 19 35 CALL  ADVM 100 19 JUL 19 15 PUT	Volume 1,619 5,452 1,220 3,062	\$2.86 \$0.77 \$3.70 \$0.95	\$ Outlay \$463,034 \$457,968 \$451,400 \$443,990
Date Description 7/5/2019 PAYX 100 19 JUL 19 85 CALL 6/18/2019 DVA 100 19 JUL 19 50 CALL 5/31/2019 SWKS 100 19 JUL 19 70 CALL 6/21/2019 ALXN 100 19 JUL 19 140 CALL 6/6/2019 MPC 100 19 JUL 19 50 CALL	Volume 6,478 2,626 2,041 2,165 4,021	\$1.05 \$2.60 \$3.30 \$3.77 \$1.66	\$ Outlay \$712,580 \$709,020 \$693,940 \$692,800 \$683,570	Date 6/13/2019 6/18/2019 6/7/2019 7/9/2019 1/15/2019	Description  CREE 100 19 JUL 19 57.5 CALL  MDT 100 19 JUL 19 100 CALL  BTI 100 19 JUL 19 35 CALL  ADVM 100 19 JUL 19 15 PUT  NUAN 100 19 JUL 19 13 CALL	Volume 1,619 5,452 1,220 3,062 1,543	Price \$2.86 \$0.77 \$3.70 \$0.95 \$2.75	\$ Outlay \$463,034 \$457,968 \$451,400 \$443,990 \$439,755
Date Description 7/5/2019 PAYX 100 19 JUL 19 85 CALL 6/18/2019 DVA 100 19 JUL 19 50 CALL 5/31/2019 SWKS 100 19 JUL 19 70 CALL 6/21/2019 ALXN 100 19 JUL 19 140 CALL 6/6/2019 MPC 100 19 JUL 19 50 CALL 5/1/2019 CSIQ 100 19 JUL 19 17 CALL	Volume 6,478 2,626 2,041 2,165 4,021 1,637	\$1.05 \$2.60 \$3.30 \$3.77 \$1.66 \$4.09	\$ Outlay \$712,580 \$709,020 \$693,940 \$692,800 \$683,570 \$669,533	Date 6/13/2019 6/18/2019 6/7/2019 7/9/2019 1/15/2019 6/6/2019	Description CREE 100 19 JUL 19 57.5 CALL MDT 100 19 JUL 19 100 CALL BTI 100 19 JUL 19 35 CALL ADVM 100 19 JUL 19 15 PUT NUAN 100 19 JUL 19 13 CALL AVLR 100 19 JUL 19 75 CALL	Volume 1,619 5,452 1,220 3,062 1,543 1,065	\$2.86 \$0.77 \$3.70 \$0.95 \$2.75 \$3.70	\$ Outlay \$463,034 \$457,968 \$451,400 \$443,990 \$439,755 \$436,650
Date	Volume 6,478 2,626 2,041 2,165 4,021 1,637 5,819	\$1.05 \$2.60 \$3.30 \$3.77 \$1.66 \$4.09 \$1.15	\$ Outlay \$712,580 \$709,020 \$693,940 \$692,800 \$683,570 \$669,533 \$669,185	Date 6/13/2019 6/18/2019 6/7/2019 7/9/2019 1/15/2019 6/6/2019	Description CREE 100 19 JUL 19 57.5 CALL MDT 100 19 JUL 19 100 CALL BTI 100 19 JUL 19 35 CALL ADVM 100 19 JUL 19 15 PUT NUAN 100 19 JUL 19 13 CALL AVLR 100 19 JUL 19 75 CALL BMRN 100 19 JUL 19 85 CALL	Volume 1,619 5,452 1,220 3,062 1,543 1,065 1,000	Price \$2.86 \$0.77 \$3.70 \$0.95 \$2.75 \$3.70 \$3.90	\$ Outlay \$463,034 \$457,968 \$451,400 \$443,990 \$439,755 \$436,650 \$430,000
Date	Volume 6,478 2,626 2,041 2,165 4,021 1,637 5,819 4,742	\$1.05 \$2.60 \$3.30 \$3.77 \$1.66 \$4.09 \$1.15 \$1.30	\$ Outlay \$712,580 \$709,020 \$693,940 \$692,800 \$683,570 \$669,533 \$669,185 \$640,170	Date 6/13/2019 6/18/2019 6/7/2019 7/9/2019 1/15/2019 6/6/2019 6/25/2019	Description  CREE 100 19 JUL 19 57.5 CALL  MDT 100 19 JUL 19 100 CALL  BTI 100 19 JUL 19 35 CALL  ADVM 100 19 JUL 19 15 PUT  NUAN 100 19 JUL 19 13 CALL  AVLR 100 19 JUL 19 75 CALL  BMRN 100 19 JUL 19 85 CALL  BURL 100 19 JUL 19 165 CALL	Volume 1,619 5,452 1,220 3,062 1,543 1,065 1,000 1,189	Price \$2.86 \$0.77 \$3.70 \$0.95 \$2.75 \$3.70 \$3.90 \$3.60	\$ Outlay \$463,034 \$457,968 \$451,400 \$443,990 \$439,755 \$436,650 \$430,000 \$428,040
Date Description 7/5/2019 PAYX 100 19 JUL 19 85 CALL 6/18/2019 DVA 100 19 JUL 19 50 CALL 5/31/2019 SWKS 100 19 JUL 19 70 CALL 6/21/2019 ALXN 100 19 JUL 19 140 CALL 6/6/2019 MPC 100 19 JUL 19 50 CALL 5/1/2019 CSIQ 100 19 JUL 19 17 CALL 6/24/2019 KPTI 100 19 JUL 19 7.5 CALL 6/21/2019 SE 100 19 JUL 19 34 CALL 6/6/2019 SE 100 19 JUL 19 30 CALL	Volume 6,478 2,626 2,041 2,165 4,021 1,637 5,819 4,742 3,637	\$1.05 \$2.60 \$3.30 \$3.77 \$1.66 \$4.09 \$1.15 \$1.30 \$1.72	\$ Outlay \$712,580 \$709,020 \$693,940 \$692,800 \$683,570 \$669,533 \$669,185 \$640,170 \$636,475	Date 6/13/2019 6/18/2019 6/7/2019 7/9/2019 1/15/2019 6/6/2019 6/4/2019 6/6/2019	Description  CREE 100 19 JUL 19 57.5 CALL  MDT 100 19 JUL 19 100 CALL  BTI 100 19 JUL 19 35 CALL  ADVM 100 19 JUL 19 15 PUT  NUAN 100 19 JUL 19 13 CALL  AVLR 100 19 JUL 19 75 CALL  BMRN 100 19 JUL 19 85 CALL  BURL 100 19 JUL 19 165 CALL  XRAY 100 19 JUL 19 55 CALL	Volume 1,619 5,452 1,220 3,062 1,543 1,065 1,000 1,189 2,030	\$2.86 \$0.77 \$3.70 \$0.95 \$2.75 \$3.70 \$3.90 \$3.60 \$2.10	\$ Outlay \$463,034 \$457,968 \$451,400 \$443,990 \$439,755 \$436,650 \$430,000 \$428,040 \$426,300
Date	Volume 6,478 2,626 2,041 2,165 4,021 1,637 5,819 4,742	\$1.05 \$2.60 \$3.30 \$3.77 \$1.66 \$4.09 \$1.15 \$1.30	\$ Outlay \$712,580 \$709,020 \$693,940 \$692,800 \$683,570 \$669,533 \$669,185 \$640,170 \$636,475 \$622,540	Date 6/13/2019 6/18/2019 6/7/2019 7/9/2019 1/15/2019 6/6/2019 6/4/2019 6/6/2019 2/13/2019	Description  CREE 100 19 JUL 19 57.5 CALL  MDT 100 19 JUL 19 100 CALL  BTI 100 19 JUL 19 35 CALL  ADVM 100 19 JUL 19 15 PUT  NUAN 100 19 JUL 19 13 CALL  AVLR 100 19 JUL 19 75 CALL  BMRN 100 19 JUL 19 85 CALL  BURL 100 19 JUL 19 165 CALL	Volume 1,619 5,452 1,220 3,062 1,543 1,065 1,000 1,189	\$2.86 \$0.77 \$3.70 \$0.95 \$2.75 \$3.70 \$3.90 \$3.60 \$2.10 \$1.70	\$ Outlay \$463,034 \$457,968 \$451,400 \$443,990 \$439,755 \$436,650 \$430,000 \$428,040 \$426,300 \$425,000
Date Description 7/5/2019 PAYX 100 19 JUL 19 85 CALL 6/18/2019 DVA 100 19 JUL 19 50 CALL 5/31/2019 SWKS 100 19 JUL 19 70 CALL 6/21/2019 ALXN 100 19 JUL 19 140 CALL 6/6/2019 MPC 100 19 JUL 19 50 CALL 5/1/2019 CSIQ 100 19 JUL 19 17 CALL 6/24/2019 KPTI 100 19 JUL 19 7.5 CALL 6/21/2019 SE 100 19 JUL 19 34 CALL 6/6/2019 SE 100 19 JUL 19 30 CALL 6/28/2019 PSA 100 19 JUL 19 240 CALL	Volume 6,478 2,626 2,041 2,165 4,021 1,637 5,819 4,742 3,637 1,831	\$1.05 \$2.60 \$3.30 \$3.77 \$1.66 \$4.09 \$1.15 \$1.30 \$1.72 \$3.40	\$ Outlay \$712,580 \$709,020 \$693,940 \$692,800 \$683,570 \$669,533 \$669,185 \$640,170 \$636,475 \$622,540 \$615,000	Date 6/13/2019 6/18/2019 6/7/2019 7/9/2019 1/15/2019 6/6/2019 6/4/2019 2/13/2019 5/31/2019	Description  CREE 100 19 JUL 19 57.5 CALL  MDT 100 19 JUL 19 100 CALL  BTI 100 19 JUL 19 35 CALL  ADVM 100 19 JUL 19 15 PUT  NUAN 100 19 JUL 19 13 CALL  AVLR 100 19 JUL 19 75 CALL  BMRN 100 19 JUL 19 85 CALL  BURL 100 19 JUL 19 165 CALL  XRAY 100 19 JUL 19 55 CALL  CCK 100 19 JUL 19 60 CALL	Volume 1,619 5,452 1,220 3,062 1,543 1,065 1,000 1,189 2,030 2,500	\$2.86 \$0.77 \$3.70 \$0.95 \$2.75 \$3.70 \$3.90 \$3.60 \$2.10 \$1.70 \$5.55	\$ Outlay \$463,034 \$457,968 \$451,400 \$443,990 \$439,755 \$436,650 \$430,000 \$428,040 \$426,300 \$425,000 \$416,250
Date Description 7/5/2019 PAYX 100 19 JUL 19 85 CALL 6/18/2019 DVA 100 19 JUL 19 50 CALL 5/31/2019 SWKS 100 19 JUL 19 70 CALL 6/21/2019 ALXN 100 19 JUL 19 140 CALL 6/6/2019 MPC 100 19 JUL 19 50 CALL 5/1/2019 CSIQ 100 19 JUL 19 17 CALL 6/24/2019 KPTI 100 19 JUL 19 7.5 CALL 6/21/2019 SE 100 19 JUL 19 34 CALL 6/6/2019 SE 100 19 JUL 19 30 CALL 6/28/2019 PSA 100 19 JUL 19 240 CALL 6/12/2019 LYV 100 19 JUL 19 60 CALL	Volume 6,478 2,626 2,041 2,165 4,021 1,637 5,819 4,742 3,637 1,831 1,500	\$1.05 \$2.60 \$3.30 \$3.77 \$1.66 \$4.09 \$1.15 \$1.30 \$1.72 \$3.40 \$4.10	\$ Outlay \$712,580 \$709,020 \$693,940 \$692,800 \$683,570 \$669,185 \$640,170 \$636,475 \$622,540 \$615,000 \$602,000	Date 6/13/2019 6/18/2019 6/7/2019 7/9/2019 1/15/2019 6/6/2019 6/4/2019 6/6/2019 2/13/2019 6/5/2019	Description  CREE 100 19 JUL 19 57.5 CALL  MDT 100 19 JUL 19 100 CALL  BTI 100 19 JUL 19 35 CALL  ADVM 100 19 JUL 19 15 PUT  NUAN 100 19 JUL 19 13 CALL  AVLR 100 19 JUL 19 75 CALL  BMRN 100 19 JUL 19 85 CALL  BURL 100 19 JUL 19 165 CALL  XRAY 100 19 JUL 19 55 CALL  CCK 100 19 JUL 19 60 CALL  PII 100 19 JUL 19 80 CALL	Volume 1,619 5,452 1,220 3,062 1,543 1,065 1,000 1,189 2,030 2,500 750	\$2.86 \$0.77 \$3.70 \$0.95 \$2.75 \$3.70 \$3.90 \$3.60 \$2.10 \$1.70 \$5.55	\$ Outlay \$463,034 \$457,968 \$451,400 \$443,990 \$439,755 \$436,650 \$430,000 \$428,040 \$426,300 \$425,000 \$416,250 \$412,560
Date Description 7/5/2019 PAYX 100 19 JUL 19 85 CALL 6/18/2019 DVA 100 19 JUL 19 50 CALL 5/31/2019 SWKS 100 19 JUL 19 70 CALL 6/21/2019 ALXN 100 19 JUL 19 140 CALL 6/6/2019 MPC 100 19 JUL 19 50 CALL 5/1/2019 CSIQ 100 19 JUL 19 17 CALL 6/24/2019 KPTI 100 19 JUL 19 7.5 CALL 6/21/2019 SE 100 19 JUL 19 34 CALL 6/6/2019 SE 100 19 JUL 19 30 CALL 6/28/2019 PSA 100 19 JUL 19 240 CALL 6/12/2019 LYV 100 19 JUL 19 60 CALL 6/12/2019 MDGL 100 19 JUL 19 110 CALL	Volume 6,478 2,626 2,041 2,165 4,021 1,637 5,819 4,742 3,637 1,831 1,500 1,505	\$1.05 \$2.60 \$3.30 \$3.77 \$1.66 \$4.09 \$1.15 \$1.30 \$1.72 \$3.40 \$4.10	\$ Outlay \$712,580 \$709,020 \$693,940 \$692,800 \$683,570 \$669,533 \$669,185 \$640,170 \$636,475 \$622,540 \$615,000 \$602,000 \$562,200	6/13/2019 6/18/2019 6/7/2019 7/9/2019 1/15/2019 6/6/2019 6/25/2019 6/6/2019 2/13/2019 6/5/2019 6/18/2019 5/15/2019	Description  CREE 100 19 JUL 19 57.5 CALL  MDT 100 19 JUL 19 100 CALL  BTI 100 19 JUL 19 35 CALL  ADVM 100 19 JUL 19 15 PUT  NUAN 100 19 JUL 19 13 CALL  AVLR 100 19 JUL 19 75 CALL  BMRN 100 19 JUL 19 85 CALL  BURL 100 19 JUL 19 165 CALL  XRAY 100 19 JUL 19 55 CALL  CCK 100 19 JUL 19 60 CALL  PII 100 19 JUL 19 80 CALL  BLL 100 19 JUL 19 62.5 CALL  CRC 100 19 JUL 19 20 CALL  BPMC 100 19 JUL 19 80 CALL	Volume 1,619 5,452 1,220 3,062 1,543 1,065 1,000 1,189 2,030 2,500 750 1,528	\$2.86 \$0.77 \$3.70 \$0.95 \$2.75 \$3.70 \$3.90 \$3.60 \$2.10 \$1.70 \$5.55 \$2.63 \$1.25	\$ Outlay \$463,034 \$457,968 \$451,400 \$443,990 \$439,755 \$436,650 \$430,000 \$428,040 \$426,300 \$425,000 \$416,250 \$410,280
Date	Volume 6,478 2,626 2,041 2,165 4,021 1,637 5,819 4,742 3,637 1,831 1,500 1,505 3,748 4,021 3,576	Price \$1.05 \$2.60 \$3.30 \$3.77 \$1.66 \$4.09 \$1.15 \$1.30 \$1.72 \$3.40 \$4.10 \$4.00 \$1.30 \$1.25 \$1.50	\$Outlay \$712,580 \$709,020 \$693,940 \$692,800 \$683,570 \$669,533 \$669,185 \$640,170 \$636,475 \$622,540 \$615,000 \$562,000 \$540,135 \$536,400	Date 6/13/2019 6/18/2019 6/7/2019 7/9/2019 1/15/2019 6/6/2019 6/4/2019 6/6/2019 5/31/2019 6/18/2019 5/15/2019 6/11/2019	Description  CREE 100 19 JUL 19 57.5 CALL  MDT 100 19 JUL 19 100 CALL  BTI 100 19 JUL 19 35 CALL  ADVM 100 19 JUL 19 15 PUT  NUAN 100 19 JUL 19 13 CALL  AVLR 100 19 JUL 19 75 CALL  BMRN 100 19 JUL 19 85 CALL  BURL 100 19 JUL 19 165 CALL  XRAY 100 19 JUL 19 55 CALL  CCK 100 19 JUL 19 60 CALL  PII 100 19 JUL 19 80 CALL  BLL 100 19 JUL 19 62.5 CALL  CRC 100 19 JUL 19 20 CALL  BPMC 100 19 JUL 19 80 CALL  BPMC 100 19 JUL 19 80 CALL  GD 100 19 JUL 19 180 CALL	Volume 1,619 5,452 1,220 3,062 1,543 1,065 1,000 1,189 2,030 2,500 750 1,528 3,156 500 3,596	\$2.86 \$0.77 \$3.70 \$0.95 \$2.75 \$3.70 \$3.90 \$3.60 \$2.10 \$1.70 \$5.55 \$2.63 \$1.25 \$6.00 \$1.05	\$ Outlay \$463,034 \$457,968 \$451,400 \$443,990 \$439,755 \$436,650 \$430,000 \$428,040 \$426,300 \$425,000 \$416,250 \$410,280 \$400,000 \$395,560
Date 7/5/2019 PAYX 100 19 JUL 19 85 CALL 6/18/2019 DVA 100 19 JUL 19 50 CALL 5/31/2019 SWKS 100 19 JUL 19 70 CALL 6/21/2019 ALXN 100 19 JUL 19 140 CALL 6/6/2019 MPC 100 19 JUL 19 140 CALL 5/1/2019 CSIQ 100 19 JUL 19 17 CALL 6/24/2019 KPTI 100 19 JUL 19 7.5 CALL 6/21/2019 SE 100 19 JUL 19 34 CALL 6/6/2019 SE 100 19 JUL 19 30 CALL 6/28/2019 PSA 100 19 JUL 19 240 CALL 6/12/2019 LYV 100 19 JUL 19 60 CALL 6/12/2019 MDGL 100 19 JUL 19 110 CALL 6/19/2019 DOVA 100 19 JUL 19 10 CALL 7/2/2019 EIX 100 19 JUL 19 67.5 CALL 5/8/2019 ARMK 100 19 JUL 19 30 CALL 3/1/2019 APLS 100 19 JUL 19 17.5 CALL	Volume 6,478 2,626 2,041 2,165 4,021 1,637 5,819 4,742 3,637 1,831 1,500 1,505 3,748 4,021 3,576 750	Price \$1.05 \$2.60 \$3.30 \$3.77 \$1.66 \$4.09 \$1.15 \$1.30 \$1.72 \$3.40 \$4.10 \$4.00 \$1.30 \$1.25 \$1.50 \$3.00	\$Outlay \$712,580 \$709,020 \$693,940 \$692,800 \$683,570 \$669,185 \$640,170 \$636,475 \$622,540 \$615,000 \$562,000 \$540,135 \$536,400 \$525,000	6/13/2019 6/18/2019 6/7/2019 7/9/2019 1/15/2019 6/6/2019 6/4/2019 6/6/2019 5/31/2019 6/5/2019 6/18/2019 5/15/2019 5/29/2019	Description  CREE 100 19 JUL 19 57.5 CALL  MDT 100 19 JUL 19 100 CALL  BTI 100 19 JUL 19 35 CALL  ADVM 100 19 JUL 19 15 PUT  NUAN 100 19 JUL 19 13 CALL  AVLR 100 19 JUL 19 75 CALL  BMRN 100 19 JUL 19 85 CALL  BURL 100 19 JUL 19 165 CALL  XRAY 100 19 JUL 19 55 CALL  CCK 100 19 JUL 19 60 CALL  PII 100 19 JUL 19 80 CALL  BLL 100 19 JUL 19 80 CALL  CRC 100 19 JUL 19 20 CALL  BPMC 100 19 JUL 19 80 CALL  BPMC 100 19 JUL 19 80 CALL  GD 100 19 JUL 19 180 CALL  GD 100 19 JUL 19 180 CALL	Volume 1,619 5,452 1,220 3,062 1,543 1,065 1,000 1,189 2,030 2,500 750 1,528 3,156 500 3,596 2,550	\$2.86 \$0.77 \$3.70 \$0.95 \$2.75 \$3.70 \$3.90 \$3.60 \$2.10 \$1.70 \$5.55 \$2.63 \$1.25 \$6.00 \$1.05 \$1.50	\$ Outlay \$463,034 \$457,968 \$451,400 \$443,990 \$439,755 \$436,650 \$430,000 \$428,040 \$426,300 \$425,000 \$416,250 \$410,280 \$400,000 \$395,560 \$395,250
Date 7/5/2019 PAYX 100 19 JUL 19 85 CALL 6/18/2019 DVA 100 19 JUL 19 50 CALL 5/31/2019 SWKS 100 19 JUL 19 70 CALL 6/21/2019 ALXN 100 19 JUL 19 140 CALL 6/6/2019 MPC 100 19 JUL 19 140 CALL 5/1/2019 CSIQ 100 19 JUL 19 17 CALL 6/24/2019 KPTI 100 19 JUL 19 17 CALL 6/21/2019 SE 100 19 JUL 19 30 CALL 6/28/2019 PSA 100 19 JUL 19 30 CALL 6/12/2019 LYV 100 19 JUL 19 240 CALL 6/12/2019 MDGL 100 19 JUL 19 110 CALL 6/12/2019 DOVA 100 19 JUL 19 110 CALL 7/2/2019 EIX 100 19 JUL 19 67.5 CALL 5/8/2019 ARMK 100 19 JUL 19 30 CALL 3/1/2019 APLS 100 19 JUL 19 17.5 CALL 5/3/2019 FLS 100 19 JUL 19 50 CALL	Volume 6,478 2,626 2,041 2,165 4,021 1,637 5,819 4,742 3,637 1,831 1,500 1,505 3,748 4,021 3,576 750 1,680	Price \$1.05 \$2.60 \$3.30 \$3.77 \$1.66 \$4.09 \$1.15 \$1.30 \$1.72 \$3.40 \$4.10 \$4.00 \$1.30 \$1.25 \$1.50 \$3.00 \$3.11	\$Outlay \$712,580 \$709,020 \$693,940 \$692,800 \$683,570 \$669,185 \$640,170 \$636,475 \$622,540 \$615,000 \$562,000 \$540,135 \$536,400 \$525,000 \$522,480	6/13/2019 6/18/2019 6/7/2019 7/9/2019 1/15/2019 6/6/2019 6/4/2019 6/6/2019 5/31/2019 6/5/2019 6/18/2019 5/15/2019 5/29/2019 3/7/2019	Description  CREE 100 19 JUL 19 57.5 CALL  MDT 100 19 JUL 19 100 CALL  BTI 100 19 JUL 19 35 CALL  ADVM 100 19 JUL 19 15 PUT  NUAN 100 19 JUL 19 13 CALL  AVLR 100 19 JUL 19 75 CALL  BMRN 100 19 JUL 19 85 CALL  BURL 100 19 JUL 19 165 CALL  XRAY 100 19 JUL 19 55 CALL  CCK 100 19 JUL 19 60 CALL  PII 100 19 JUL 19 80 CALL  BLL 100 19 JUL 19 80 CALL  CRC 100 19 JUL 19 62.5 CALL  CRC 100 19 JUL 19 80 CALL  BPMC 100 19 JUL 19 80 CALL  GD 100 19 JUL 19 17.5 CALL  GRPN 100 19 JUL 19 3.5 CALL	Volume 1,619 5,452 1,220 3,062 1,543 1,065 1,000 1,189 2,030 2,500 750 1,528 3,156 500 3,596 2,550 10,015	\$2.86 \$0.77 \$3.70 \$0.95 \$2.75 \$3.70 \$3.90 \$3.60 \$2.10 \$1.70 \$5.55 \$2.63 \$1.25 \$6.00 \$1.05 \$1.05 \$0.39	\$ Outlay \$463,034 \$457,968 \$451,400 \$443,990 \$439,755 \$436,650 \$430,000 \$428,040 \$426,300 \$425,000 \$416,250 \$410,280 \$400,000 \$395,560 \$395,250 \$390,585
Date 7/5/2019 PAYX 100 19 JUL 19 85 CALL 6/18/2019 DVA 100 19 JUL 19 50 CALL 5/31/2019 SWKS 100 19 JUL 19 70 CALL 6/21/2019 ALXN 100 19 JUL 19 140 CALL 6/6/2019 MPC 100 19 JUL 19 140 CALL 5/1/2019 CSIQ 100 19 JUL 19 17 CALL 6/24/2019 KPTI 100 19 JUL 19 17.5 CALL 6/21/2019 SE 100 19 JUL 19 30 CALL 6/28/2019 PSA 100 19 JUL 19 30 CALL 6/12/2019 LYV 100 19 JUL 19 240 CALL 6/12/2019 MDGL 100 19 JUL 19 110 CALL 6/12/2019 DOVA 100 19 JUL 19 110 CALL 7/2/2019 EIX 100 19 JUL 19 67.5 CALL 5/8/2019 ARMK 100 19 JUL 19 30 CALL 3/1/2019 APLS 100 19 JUL 19 17.5 CALL 5/3/2019 FLS 100 19 JUL 19 50 CALL 7/5/2019 MGLN 100 19 JUL 19 50 CALL 7/5/2019 MGLN 100 19 JUL 19 77.5 CALL 5/3/2019 FLS 100 19 JUL 19 50 CALL 7/5/2019 MGLN 100 19 JUL 19 77.5 CALL 7/5/2019 MGLN 100 19 JUL 19 77.5 CALL 7/5/2019 MGLN 100 19 JUL 19 77.5 CALL	Volume 6,478 2,626 2,041 2,165 4,021 1,637 5,819 4,742 3,637 1,831 1,500 1,505 3,748 4,021 3,576 750 1,680 2,156	Price \$1.05 \$2.60 \$3.30 \$3.77 \$1.66 \$4.09 \$1.15 \$1.30 \$1.72 \$3.40 \$4.10 \$4.00 \$1.30 \$1.25 \$1.50 \$3.00 \$3.11 \$2.15	\$Outlay \$712,580 \$709,020 \$693,940 \$692,800 \$683,570 \$669,185 \$640,170 \$636,475 \$622,540 \$615,000 \$562,000 \$540,135 \$536,400 \$525,000 \$522,480 \$517,440	6/13/2019 6/18/2019 6/7/2019 7/9/2019 1/15/2019 6/6/2019 6/4/2019 6/6/2019 5/31/2019 6/5/2019 6/18/2019 5/15/2019 5/29/2019 3/7/2019	Description  CREE 100 19 JUL 19 57.5 CALL  MDT 100 19 JUL 19 100 CALL  BTI 100 19 JUL 19 35 CALL  ADVM 100 19 JUL 19 15 PUT  NUAN 100 19 JUL 19 13 CALL  AVLR 100 19 JUL 19 75 CALL  BMRN 100 19 JUL 19 85 CALL  BURL 100 19 JUL 19 165 CALL  XRAY 100 19 JUL 19 55 CALL  CCK 100 19 JUL 19 60 CALL  PII 100 19 JUL 19 80 CALL  BLL 100 19 JUL 19 80 CALL  CRC 100 19 JUL 19 62.5 CALL  CRC 100 19 JUL 19 80 CALL  BPMC 100 19 JUL 19 80 CALL  GD 100 19 JUL 19 17.5 CALL  GRPN 100 19 JUL 19 3.5 CALL  HLT 100 19 JUL 19 85 CALL	Volume 1,619 5,452 1,220 3,062 1,543 1,065 1,000 1,189 2,030 2,500 750 1,528 3,156 500 3,596 2,550 10,015 1,000	\$2.86 \$0.77 \$3.70 \$0.95 \$2.75 \$3.70 \$3.90 \$3.60 \$2.10 \$1.70 \$5.55 \$2.63 \$1.25 \$6.00 \$1.05 \$1.05 \$3.90	\$ Outlay \$463,034 \$457,968 \$451,400 \$443,990 \$439,755 \$436,650 \$430,000 \$428,040 \$426,300 \$425,000 \$416,250 \$410,280 \$400,000 \$395,560 \$395,250 \$390,585 \$390,000
Date	Volume 6,478 2,626 2,041 2,165 4,021 1,637 5,819 4,742 3,637 1,831 1,500 1,505 3,748 4,021 3,576 750 1,680 2,156 2,723	Price \$1.05 \$2.60 \$3.30 \$3.77 \$1.66 \$4.09 \$1.15 \$1.30 \$1.72 \$3.40 \$4.10 \$4.00 \$1.30 \$1.25 \$1.50 \$3.00 \$3.11 \$2.15 \$1.87	\$Outlay \$712,580 \$709,020 \$693,940 \$692,800 \$683,570 \$669,533 \$669,185 \$640,170 \$636,475 \$622,540 \$615,000 \$562,000 \$540,135 \$536,400 \$525,000 \$522,480 \$517,440 \$509,201	6/13/2019 6/18/2019 6/7/2019 7/9/2019 1/15/2019 6/6/2019 6/6/2019 6/6/2019 5/31/2019 6/5/2019 6/18/2019 5/15/2019 5/29/2019 3/7/2019 6/27/2019	Description  CREE 100 19 JUL 19 57.5 CALL  MDT 100 19 JUL 19 100 CALL  BTI 100 19 JUL 19 35 CALL  ADVM 100 19 JUL 19 15 PUT  NUAN 100 19 JUL 19 13 CALL  AVLR 100 19 JUL 19 75 CALL  BMRN 100 19 JUL 19 85 CALL  BWRL 100 19 JUL 19 165 CALL  XRAY 100 19 JUL 19 55 CALL  CCK 100 19 JUL 19 60 CALL  PII 100 19 JUL 19 80 CALL  BLL 100 19 JUL 19 80 CALL  CRC 100 19 JUL 19 20 CALL  BPMC 100 19 JUL 19 80 CALL  GD 100 19 JUL 19 180 CALL  GD 100 19 JUL 19 17.5 CALL  GRPN 100 19 JUL 19 3.5 CALL  HLT 100 19 JUL 19 85 CALL  OSTK 100 19 JUL 19 13 CALL	Volume 1,619 5,452 1,220 3,062 1,543 1,065 1,000 1,189 2,030 2,500 750 1,528 3,156 500 3,596 2,550 10,015 1,000 1,772	\$2.86 \$0.77 \$3.70 \$0.95 \$2.75 \$3.70 \$3.90 \$3.60 \$2.10 \$1.70 \$5.55 \$2.63 \$1.25 \$6.00 \$1.05 \$1.05 \$1.50 \$0.39 \$3.90 \$2.15	\$ Outlay \$463,034 \$457,968 \$451,400 \$443,990 \$439,755 \$436,650 \$430,000 \$428,040 \$426,300 \$425,000 \$416,250 \$410,280 \$400,000 \$395,560 \$395,250 \$390,585 \$390,000 \$389,840
Date	Volume 6,478 2,626 2,041 2,165 4,021 1,637 5,819 4,742 3,637 1,831 1,500 1,505 3,748 4,021 3,576 750 1,680 2,156 2,723 1,405	Price \$1.05 \$2.60 \$3.30 \$3.77 \$1.66 \$4.09 \$1.15 \$1.30 \$1.72 \$3.40 \$4.10 \$4.00 \$1.30 \$1.30 \$1.25 \$1.50 \$3.00 \$3.11 \$2.15 \$1.87 \$3.45	\$ Outlay \$712,580 \$709,020 \$693,940 \$692,800 \$683,570 \$669,185 \$640,170 \$636,475 \$622,540 \$615,000 \$562,000 \$540,135 \$536,400 \$525,000 \$524,480 \$517,440 \$509,201 \$505,800	Date 6/13/2019 6/18/2019 6/7/2019 7/9/2019 1/15/2019 6/6/2019 6/4/2019 6/6/2019 2/13/2019 6/5/2019 6/18/2019 5/15/2019 5/15/2019 3/7/2019 2/21/2019 6/27/2019 6/13/2019	Description  CREE 100 19 JUL 19 57.5 CALL  MDT 100 19 JUL 19 100 CALL  BTI 100 19 JUL 19 35 CALL  ADVM 100 19 JUL 19 15 PUT  NUAN 100 19 JUL 19 13 CALL  AVLR 100 19 JUL 19 75 CALL  BMRN 100 19 JUL 19 85 CALL  BURL 100 19 JUL 19 165 CALL  XRAY 100 19 JUL 19 55 CALL  CCK 100 19 JUL 19 60 CALL  PII 100 19 JUL 19 80 CALL  BLL 100 19 JUL 19 80 CALL  CRC 100 19 JUL 19 20 CALL  BPMC 100 19 JUL 19 80 CALL  GRPN 100 19 JUL 19 17.5 CALL  GRPN 100 19 JUL 19 3.5 CALL  HLT 100 19 JUL 19 85 CALL  OSTK 100 19 JUL 19 13 CALL  RRGB 100 19 JUL 19 13 CALL	Volume 1,619 5,452 1,220 3,062 1,543 1,065 1,000 1,189 2,030 2,500 750 1,528 3,156 500 3,596 2,550 10,015 1,000 1,772 3,672	\$2.86 \$0.77 \$3.70 \$0.95 \$2.75 \$3.70 \$3.90 \$3.60 \$2.10 \$1.70 \$5.55 \$2.63 \$1.25 \$6.00 \$1.05 \$1.50 \$0.39 \$3.90 \$2.15 \$1.05	\$ Outlay \$463,034 \$457,968 \$451,400 \$443,990 \$439,755 \$436,650 \$430,000 \$428,040 \$425,000 \$416,250 \$410,280 \$4410,280 \$440,000 \$395,560 \$395,250 \$390,585 \$390,000 \$389,840 \$385,560
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Date 7/5/2019 PAYX 100 19 JUL 19 85 CALL 6/18/2019 DVA 100 19 JUL 19 50 CALL 5/31/2019 SWKS 100 19 JUL 19 70 CALL 6/6/21/2019 ALXN 100 19 JUL 19 140 CALL 6/6/2019 MPC 100 19 JUL 19 17 CALL 6/6/2019 KPTI 100 19 JUL 19 7.5 CALL 6/21/2019 SE 100 19 JUL 19 30 CALL 6/6/2019 SE 100 19 JUL 19 30 CALL 6/12/2019 PSA 100 19 JUL 19 60 CALL 6/12/2019 MDGL 100 19 JUL 19 110 CALL 6/12/2019 MDGL 100 19 JUL 19 10 CALL 6/19/2019 DOVA 100 19 JUL 19 10 CALL 7/2/2019 EIX 100 19 JUL 19 30 CALL 5/8/2019 ARMK 100 19 JUL 19 10 CALL 5/8/2019 ARMK 100 19 JUL 19 17.5 CALL 5/8/2019 APLS 100 19 JUL 19 50 CALL 7/5/2019 MGLN 100 19 JUL 19 75 CALL 6/14/2019 FND 100 19 JUL 19 75 CALL 6/14/2019 FND 100 19 JUL 19 70 CALL 1/9/2019 SGEN 100 19 JUL 19 70 CALL 1/9/2019 GIS 100 19 JUL 19 25 CALL 6/12/2019 GIS 100 19 JUL 19 45 CALL 6/12/2019 FBHS 100 19 JUL 19 45 CALL 6/19/2019 FBHS 100 19 JUL 19 90 CALL 6/27/2019 COF 100 19 JUL 19 90 CALL 5/15/2019 ARLO 100 19 JUL 19 90 CALL	Volume 6,478 2,626 2,041 2,165 4,021 1,637 5,819 4,742 3,637 1,831 1,500 1,505 3,748 4,021 3,576 750 1,680 2,156 2,723 1,405 2,102 2,000 1,000 2,515 2,800 1,325 2,070 7,316	Price \$1.05 \$2.60 \$3.30 \$3.77 \$1.66 \$4.09 \$1.15 \$1.30 \$1.72 \$3.40 \$4.10 \$4.00 \$1.30 \$1.25 \$1.50 \$3.00 \$3.11 \$2.15 \$1.87 \$3.45 \$2.35 \$2.38 \$4.90 \$1.74 \$3.55 \$2.20 \$0.65	\$ Outlay \$712,580 \$709,020 \$693,940 \$692,800 \$683,570 \$669,533 \$669,185 \$640,170 \$636,475 \$622,540 \$615,000 \$562,200 \$540,135 \$536,400 \$522,480 \$517,440 \$509,201 \$505,800 \$504,488 \$500,000 \$487,910 \$487,200 \$477,000 \$476,100 \$475,540	Date 6/13/2019 6/18/2019 6/7/2019 7/9/2019 1/15/2019 6/6/2019 6/6/2019 6/6/2019 5/31/2019 6/5/2019 6/11/2019 5/21/2019 6/13/2019 6/13/2019 6/13/2019 6/13/2019 6/13/2019 6/13/2019 6/13/2019 6/13/2019 6/11/2019 6/11/2019 6/11/2019 6/11/2019 6/11/2019 6/11/2019 6/11/2019	Description  CREE 100 19 JUL 19 57.5 CALL  MDT 100 19 JUL 19 100 CALL  BTI 100 19 JUL 19 35 CALL  ADVM 100 19 JUL 19 15 PUT  NUAN 100 19 JUL 19 13 CALL  AVLR 100 19 JUL 19 75 CALL  BMRN 100 19 JUL 19 85 CALL  BURL 100 19 JUL 19 165 CALL  XRAY 100 19 JUL 19 60 CALL  PII 100 19 JUL 19 80 CALL  BIL 100 19 JUL 19 62.5 CALL  CRC 100 19 JUL 19 62.5 CALL  GRPN 100 19 JUL 19 180 CALL  BPMC 100 19 JUL 19 180 CALL  GD 100 19 JUL 19 180 CALL  GD 100 19 JUL 19 180 CALL  GLNG 100 19 JUL 19 180 CALL  GRPN 100 19 JUL 19 17.5 CALL  GRPN 100 19 JUL 19 35 CALL  HLT 100 19 JUL 19 35 CALL  OSTK 100 19 JUL 19 35 CALL  NSTK 100 19 JUL 19 35 CALL  RRGB 100 19 JUL 19 13 CALL  RRGB 100 19 JUL 19 13 CALL  RRGB 100 19 JUL 19 13 CALL  KSU 100 19 JUL 19 123 PUT  LYV 100 19 JUL 19 62.5 CALL  UBER 100 19 JUL 19 6 CALL  UBER 100 19 JUL 19 43 CALL	Volume 1,619 5,452 1,220 3,062 1,543 1,065 1,000 1,189 2,030 2,500 750 1,528 3,156 500 3,596 2,550 10,015 1,000 1,772 3,672 1,624 1,183 1,527 3,613 975	\$2.86 \$0.77 \$3.70 \$0.95 \$2.75 \$3.70 \$3.90 \$3.60 \$2.10 \$1.70 \$5.55 \$2.63 \$1.25 \$6.00 \$1.05 \$1.05 \$1.05 \$1.05 \$3.90 \$2.15 \$1.05 \$2.25 \$3.00 \$2.25 \$3.00 \$2.25 \$3.40	\$ Outlay \$463,034 \$457,968 \$451,400 \$443,990 \$439,755 \$436,650 \$430,000 \$428,040 \$426,300 \$416,250 \$410,280 \$410,280 \$490,000 \$395,560 \$395,560 \$395,560 \$375,520 \$366,730 \$358,845 \$343,235 \$331,500
Date 7/5/2019 PAYX 100 19 JUL 19 85 CALL 6/18/2019 DVA 100 19 JUL 19 50 CALL 5/31/2019 SWKS 100 19 JUL 19 70 CALL 6/21/2019 ALXN 100 19 JUL 19 140 CALL 6/6/2019 MPC 100 19 JUL 19 17 CALL 5/1/2019 CSIQ 100 19 JUL 19 17 CALL 6/24/2019 KPTI 100 19 JUL 19 7.5 CALL 6/21/2019 SE 100 19 JUL 19 30 CALL 6/6/2019 SE 100 19 JUL 19 30 CALL 6/28/2019 PSA 100 19 JUL 19 240 CALL 6/12/2019 MDGL 100 19 JUL 19 110 CALL 6/12/2019 MDGL 100 19 JUL 19 110 CALL 6/19/2019 DOVA 100 19 JUL 19 10 CALL 7/2/2019 EIX 100 19 JUL 19 67.5 CALL 5/8/2019 ARMK 100 19 JUL 19 30 CALL 6/19/2019 FLS 100 19 JUL 19 50 CALL 7/5/2019 MGLN 100 19 JUL 19 50 CALL 6/14/2019 FLS 100 19 JUL 19 50 CALL 7/5/2019 MGLN 100 19 JUL 19 75 CALL 6/21/2019 THO 100 19 JUL 19 75 CALL 6/12/2019 THO 100 19 JUL 19 75 CALL 6/12/2019 ARM 100 19 JUL 19 70 CALL 12/18/2018 ATI 100 19 JUL 19 25 CALL 6/12/2019 GIS 100 19 JUL 19 45 CALL 6/19/2019 FBHS 100 19 JUL 19 45 CALL 6/19/2019 FBHS 100 19 JUL 19 90 CALL 6/27/2019 COF 100 19 JUL 19 90 CALL 5/15/2019 ARLO 100 19 JUL 19 40 CALL 6/27/2019 COF 100 19 JUL 19 40 CALL 6/27/2019 COF 100 19 JUL 19 90 CALL 5/15/2019 ARLO 100 19 JUL 19 90 CALL 6/20/2019 UVE 100 19 JUL 19 40 CALL 6/20/2019 COF 100 19 JUL 19 25 CALL 6/20/2019 CO	Volume 6,478 2,626 2,041 2,165 4,021 1,637 5,819 4,742 3,637 1,831 1,500 1,505 3,748 4,021 3,576 750 1,680 2,156 2,723 1,405 2,102 2,000 1,000 2,515 2,800 1,325 2,070 7,316 1,310	Price \$1.05 \$2.60 \$3.30 \$3.77 \$1.66 \$4.09 \$1.15 \$1.30 \$1.72 \$3.40 \$4.10 \$4.00 \$1.30 \$1.25 \$1.50 \$3.00 \$3.11 \$2.15 \$1.87 \$3.45 \$2.35 \$2.35 \$4.90 \$1.74 \$3.55 \$2.20 \$0.65 \$3.58	\$ Outlay \$712,580 \$709,020 \$693,940 \$692,800 \$683,570 \$669,533 \$669,185 \$640,170 \$636,475 \$622,540 \$615,000 \$562,200 \$540,135 \$536,400 \$522,480 \$517,440 \$509,201 \$5505,800 \$540,480 \$504,480 \$504,480 \$504,480 \$447,000 \$447,000 \$477,000 \$476,100 \$475,540 \$471,600	Date 6/13/2019 6/18/2019 6/7/2019 7/9/2019 1/15/2019 6/6/2019 6/6/2019 2/13/2019 6/5/2019 6/18/2019 5/15/2019 6/11/2019 6/27/2019 6/13/2019 6/13/2019 6/13/2019 6/13/2019 6/13/2019 6/11/2019 6/11/2019 6/11/2019 6/11/2019 6/11/2019 6/11/2019 6/11/2019	Description  CREE 100 19 JUL 19 57.5 CALL  MDT 100 19 JUL 19 100 CALL  BTI 100 19 JUL 19 35 CALL  ADVM 100 19 JUL 19 15 PUT  NUAN 100 19 JUL 19 13 CALL  AVLR 100 19 JUL 19 75 CALL  BMRN 100 19 JUL 19 85 CALL  BURL 100 19 JUL 19 165 CALL  XRAY 100 19 JUL 19 60 CALL  PII 100 19 JUL 19 80 CALL  BIL 100 19 JUL 19 62.5 CALL  CRC 100 19 JUL 19 62.5 CALL  GRPN 100 19 JUL 19 180 CALL  BPMC 100 19 JUL 19 180 CALL  GD 100 19 JUL 19 180 CALL  GD 100 19 JUL 19 180 CALL  GLNG 100 19 JUL 19 180 CALL  GRPN 100 19 JUL 19 17.5 CALL  GRPN 100 19 JUL 19 35 CALL  HLT 100 19 JUL 19 35 CALL  OSTK 100 19 JUL 19 35 CALL  NSTK 100 19 JUL 19 35 CALL  RRGB 100 19 JUL 19 13 CALL  RRGB 100 19 JUL 19 13 CALL  RRGB 100 19 JUL 19 13 CALL  KSU 100 19 JUL 19 123 PUT  LYV 100 19 JUL 19 62.5 CALL  UBER 100 19 JUL 19 6 CALL  UBER 100 19 JUL 19 43 CALL	Volume 1,619 5,452 1,220 3,062 1,543 1,065 1,000 1,189 2,030 2,500 750 1,528 3,156 500 3,596 2,550 10,015 1,000 1,772 3,672 1,624 1,183 1,527 3,613 975	\$2.86 \$0.77 \$3.70 \$0.95 \$2.75 \$3.70 \$3.90 \$3.60 \$2.10 \$1.70 \$5.55 \$2.63 \$1.25 \$6.00 \$1.05 \$1.05 \$1.05 \$1.05 \$3.90 \$2.15 \$1.05 \$2.25 \$3.00 \$2.25 \$3.00 \$2.25 \$3.40	\$ Outlay \$463,034 \$457,968 \$451,400 \$443,990 \$439,755 \$436,650 \$430,000 \$428,040 \$426,300 \$416,250 \$410,280 \$410,280 \$490,000 \$395,560 \$395,560 \$395,560 \$375,520 \$366,730 \$358,845 \$343,235 \$331,500
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755 \$6.20 \$468,100

6/21/2019 CRWD 100 19 JUL 19 70 CALL

Date	Description	Volume	Price	\$ Outlay
5/20/2019	KR 100 19 JUL 19 26 PUT	15,932	\$2.53	\$4,030,796
4/18/2019	BA 100 19 JUL 19 360 PUT	2,264	\$11.10	\$2,671,520
3/27/2019	CRON 100 19 JUL 19 18 PUT	8,097	\$3.11	\$2,591,040
4/17/2019	DBX 100 19 JUL 19 26 PUT	5,000	\$5.09	\$2,545,000
2/5/2019	PZZA 100 19 JUL 19 45 PUT	4,211	\$5.30	\$2,316,050
5/31/2019	FL 100 19 JUL 19 50 PUT	2,142	\$10.40	\$2,227,680
6/11/2019	ANTM 100 19 JUL 19 290 PUT	1,600	\$11.70	\$1,896,000
5/9/2019	CRON 100 19 JUL 19 15 PUT	7,737	\$2.30	\$1,779,510
12/21/2018	DB 100 19 JUL 19 7 PUT	21,000	\$0.78	\$1,617,000
6/10/2019	ZM 100 19 JUL 19 105 PUT	1,086	\$10.04	\$1,183,740
5/23/2019	NTNX 100 19 JUL 19 35 PUT	3,093	\$3.80	\$1,206,270
5/23/2019	ZION 100 19 JUL 19 47 PUT	3,259	\$3.01	\$993,995
3/27/2019	IRDM 100 19 JUL 19 25 PUT	3,150	\$2.60	\$976,500
3/28/2019	WAB 100 19 JUL 19 70 PUT	2,046	\$4.52	\$920,700
2/22/2019	KHC 100 19 JUL 19 35 PUT	2,969	\$3.00	\$920,390
6/5/2019	GSKY 100 19 JUL 19 17.5 PUT	1,500	\$5.97	\$900,000
6/17/2019	LIN 100 19 JUL 19 200 PUT	2,032	\$4.40	\$894,080
5/31/2019	USNA 100 19 JUL 19 65 PUT	2,037	\$3.40	\$794,430
5/30/2019	DCPH 100 19 JUL 19 20 PUT	1,500	\$2.65	\$735,000
6/7/2019	GPS 100 19 JUL 19 18 PUT	5,242	\$1.15	\$592,346
5/24/2019	BC 100 19 JUL 19 45 PUT	2,146	\$2.64	\$566,544
5/1/2019	CLX 100 19 JUL 19 150 PUT	1,086	\$5.15	\$559,290
6/17/2019	I STR 100 19 IUI 19 100 PUT	2.000	\$2.34	\$490,000

## **Technical Scans**

## **BULL SCANS**

Notable 8/21 EMA Bull Crossovers: INFY, DHI, HQY, ANF, EMR, CNQ, HSIC, PEG, JBHT, TIF, TNDM, XPO, LHX, HP, TEX, FIVE, KMT, WERN, ZUO, AXGN, CARS, THO, BHF, MTOR, NTES, NSA, ALEX, SITE, MMS, WSO

Notable 13/34 EMA Bull Crossovers: TWTR, DVN, DHI, CRM, ON, SYY, UTX, UNP, GOOGL, RHI, DPZ, LECO, BZH, CARG, HUBS, QNST, MOH, AGS, CSFL, VAC, CWK, BCEI

Notable 21/55 EMA Bull Crossovers: YELP, HFC, BE, IMO, SIX, LADR, MTSI, PRI, JKHY, FUL, LSTR, YEXT, EVR, TRHC, POST, MXL, KRA

Emerging Strength (Daily RSI Cross of 50 w/ Accumulation/Distribution Ratio at 12 Week High): CFX, RS, KMT, PWR, FTV, TCBI, TEX, WAL, WERN, QTS, SON, WVE

**180 Day Highs with Strong Closes**: TMUS, MSFT, C, FB, CSCO, AMAT, DIS, PG, SBUX, TJX, HD, WMT, NEM, PHM, CL, AIG, FIS, FISV, MA, COST, ACN, AXP, ADBE, INFO, COUP, CME, DISH, PNC, PGR, SPGI, OKE, WM, KMC, CHTR, DG, INTU, KMB, CARA, MXIM, TRU, JEC, MAR, HAS, WHR, BURL, TROW, PRO, ECL, PFG, AKAM, LDOS, CPRT, SNE, LPLA, CDW, LM, NOC, TPX, BAH, IPHI, CMG, LYV, MCO, LPSN, NDAQ, CSOD, SHAK, WLTW, MELI, MSI, BKI, VRSK, CBOE, QTWO, OSK, RGLD, WING, EPAM, VRSN, FCN, CTAS, RPD, MANH, HELE, HAE, AIZ, TRI, LII, LHCG, ROP, LGIH, WWD

## **BEAR SCANS**

Notable 8/21 Bear EMA Crossovers: MRK, HBI, HI, MOS, NXPI, NWL, OMCL, TAL, SNY, UNM, KDP, GLPI, AIMT, ALXN, BPY, NKTR, BYD, INCY, DRH, MAN, FDP, ATH, TKR, DRNA, NEO, IPGP, CHL, SAFM, COWN, COLL, CBT, UBNT, MMSI, SUPN, CIR, EBIX

Notable 13/34 EMA Bear Crossovers: NTR, HBI, HI, MOS, TLRY, EA, ALXN, BIIB, OEC, DNOW, AVT, CDAY, STML, ATH, MNRO, ATRO, FLWS, EBIX, VECO

Notable 21/55 EMA Bear Crossovers: EA, COTY, ALLK, ESPR, BOLD, RYN, SNX, VECO

Emerging Weakness (Daily RSI Cross Under 40 w/ Accumulation/Distribution Ratio at 6 Week Low): HI, ILMN, JNJ, AGR, SGEN, ESPR, PTY, PCRX

**20 Day Lows with Weak Closes**: PFE, MRK, JNJ, BMY, CGC, SFIX, ILMN, NTR, LLY, NVS, AMGN, RCL, CELG, TAL, NOAH, ATHM, PDCE, BIG, GTT, SJM, SGEN, INSM, BOLD, IBKR, ESPR, PCRX, TCX, TCDA, XENT, ALRM, MMSI, PAR

**OBV 3 Month Low**: BUD, APHA, VFF, OMCL, RCL, NOAH, CXW, YY, PDCE, MRNA, SGEN, PTLA, PNW, ICPT, ERF, BJRI, UFS, FPRX, ONCE, TCX, DCPH, NINE, LOVE

Weekly MACD Bear Crossover: MRK, JNJ, NVO, SNY, OMCL, TAL, ORAN, MDB, TER, GEO, PENN, ESI, INCY, PXD, GH, AAXN, BJRI, VCYT, PII, MKC, INN, ATU, FNKO, MNTA, SNA, VRA, MNRO, BL, CSL, ETH

## Disclaimer:

## **Not Investment Advice or Recommendation**

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