

A glowing blue microchip is centered on a circuit board. The chip has a grid of small squares on its surface and is surrounded by intricate circuitry. The entire scene is bathed in a blue light, giving it a futuristic and technological appearance.

# **TPC Semiconductor Market Survey**

**August 15, 2022**

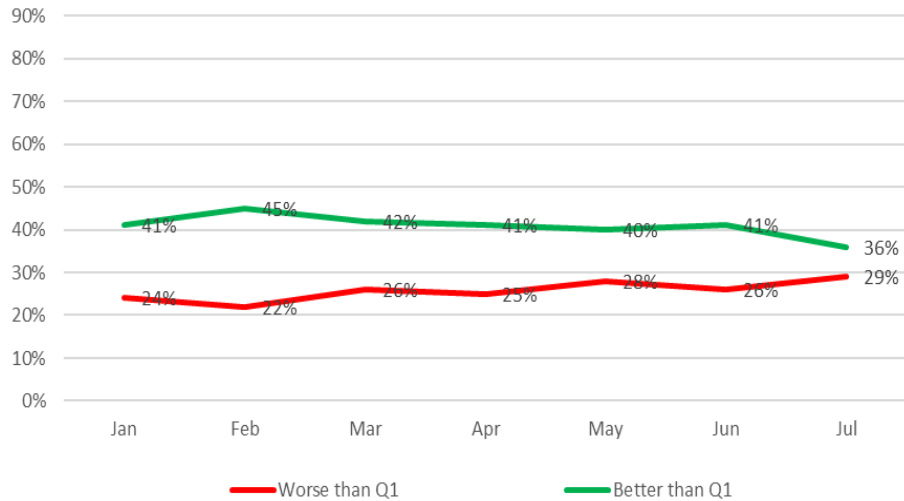
# TPC July/August 2022 Survey Summary

*Survey Date: 8/6-12 Respondents: ~8,200 Location: Worldwide (~80% Asia) Who: Active Electronics Industry Professionals  
Response Composition (multiple choices): Industrial 39%, Auto 20%, Comm 20%, Computing 19%, Mobile 29%, Data Ctr 18%, Other 19%*

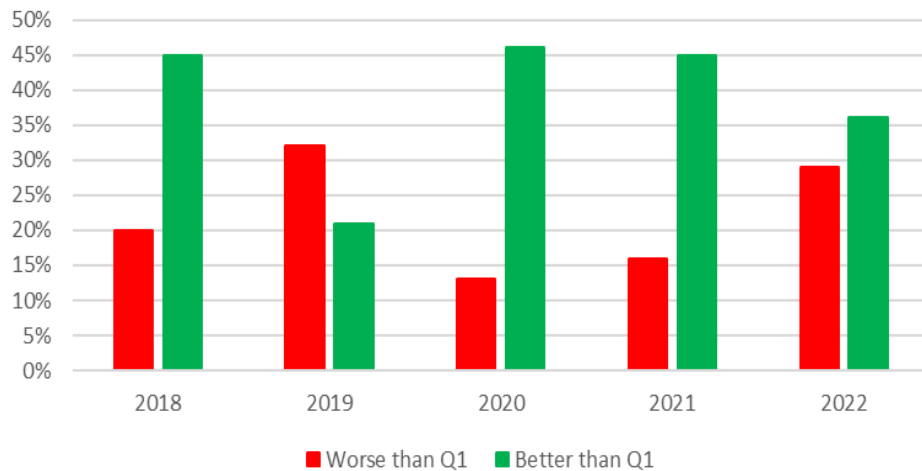
- We recently completed our monthly survey (~8,200 respondents) which saw decreases in both C2Q22's and C3Q22's outlook for growth and seasonality. Additionally, the bookings outlook for C3Q weakened vs. last month's survey.
- Our C2Q22 outlook finished with a weaker outlook vs. previous years including pre-COVID, with seasonality roughly in line with CY19. The bookings outlook for C2Q22 is much weaker vs. pre-COVID levels.
- Our C3Q22 outlook also shows a return to more normal pre-COVID expectations; however, the bookings outlook for C3Q22 far weaker. We believe this is a harbinger of weakening demand for 2H.
- The survey showed C2Q22 weaker vs. last month with 36% seeing the quarter being better vs. 41% previously; while 29% see it as better vs. 26% last month.
- The survey also showed C3Q22 outlook weaker vs. last month; with 53% expecting q/q growth vs. 57% previously; while 19% see it as weaker vs. 17% last month.
- Our initial C4Q22 survey showed both growth and bookings expectations weaker vs. pre-pandemic levels.
- Backlog cancellation expectations (slide 8) continues to show negative trends.
- Key product inventory and availability (slide 9) showed improvement in availability across all key products and are now at nominal levels. Of note is the significant increase in both DARM and NAND availability.
- Inventories growth outlook (slide 10) continued to show significant increases in inventories for both C2Q and C3Q.

# Q/Q Demand Growth Outlook

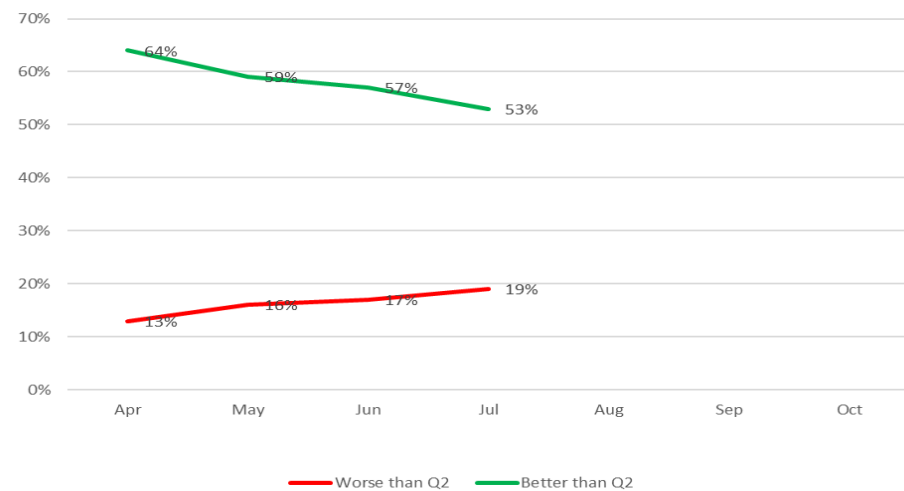
## C2Q22 Growth Expectations



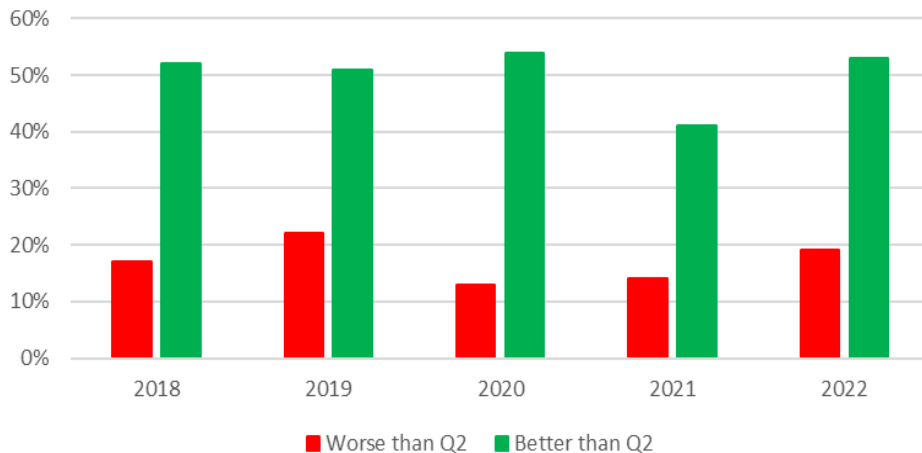
## C2Q Growth Expectations vs. C1Q



## C3Q22 Growth Expectations

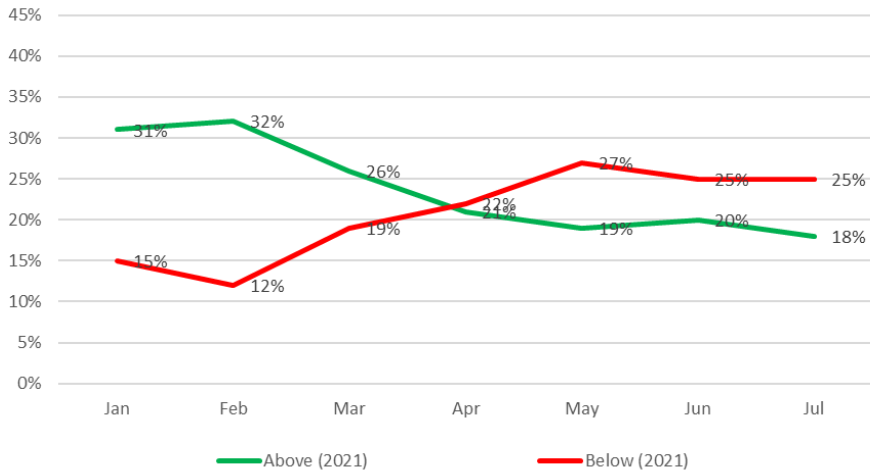


## C3Q Growth Expectations vs. C2Q

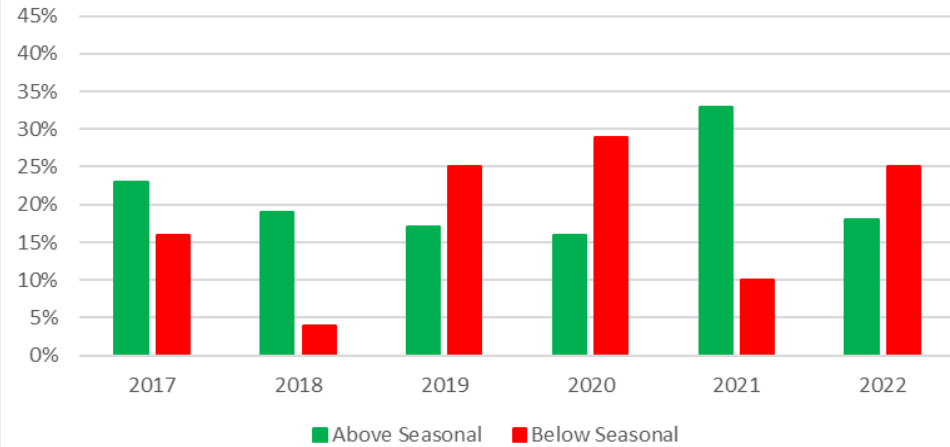


# Q/Q Seasonality Expectations

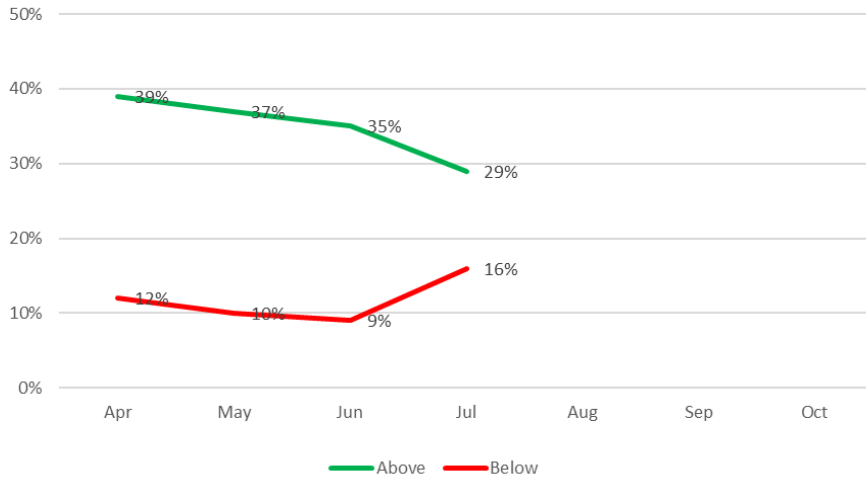
### C2Q22 Seasonality Expectations



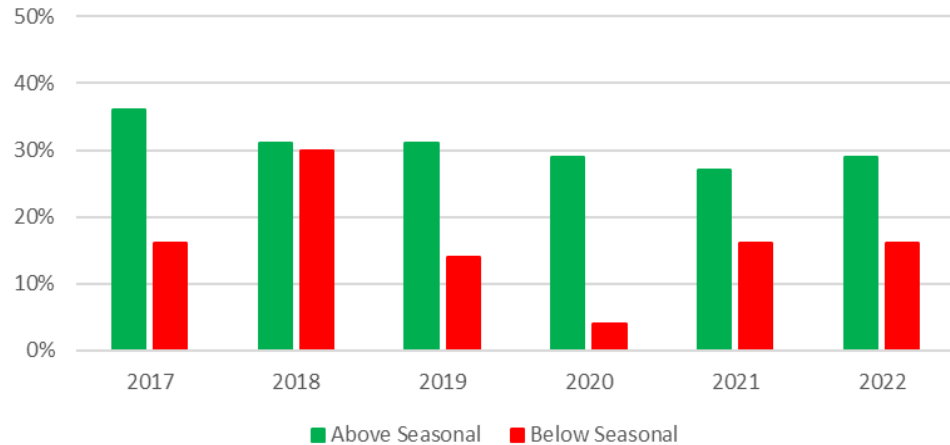
### C2Q Seasonality Expectations



### 3Q22 Seasonality Expectations

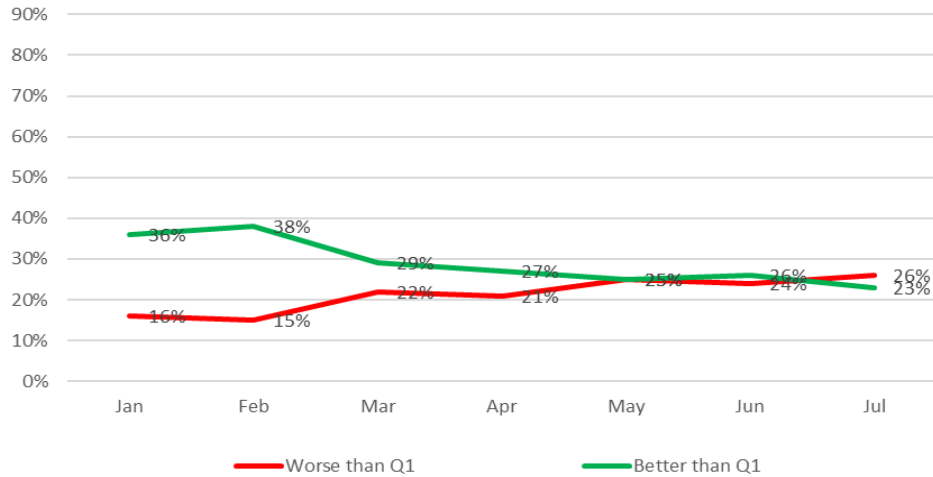


### C3Q Seasonality Expectations

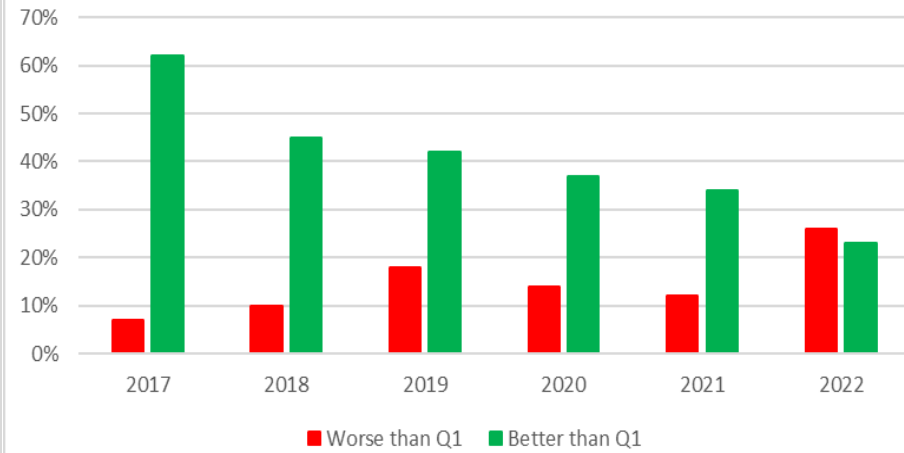


# Q/Q Bookings Growth Expectations

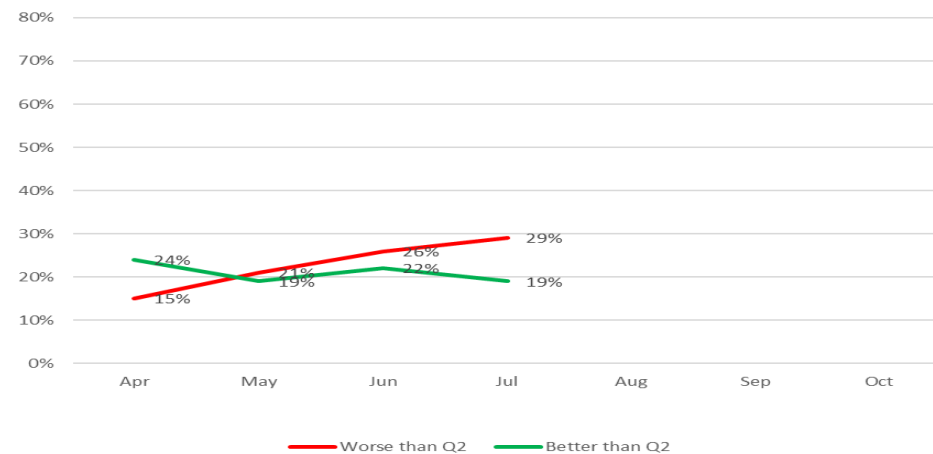
## C2Q22 Bookings Expectations



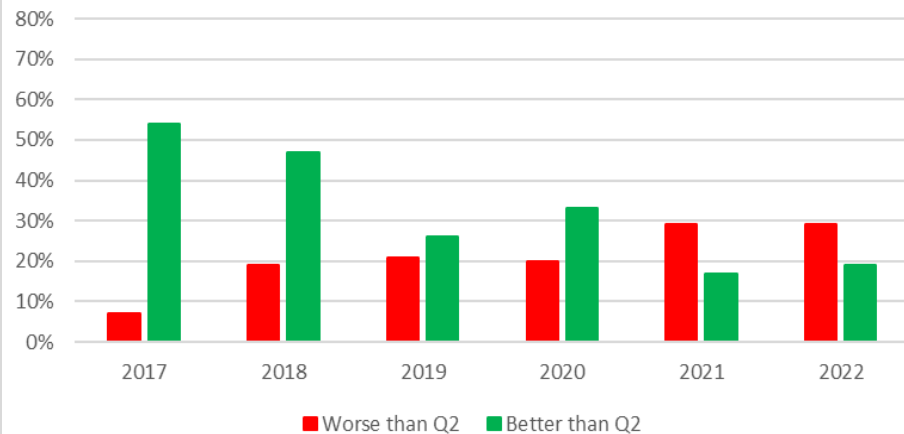
## C2Q Bookings Expectations



## C3Q22 Bookings Expectations



## C3Q Bookings Expectations

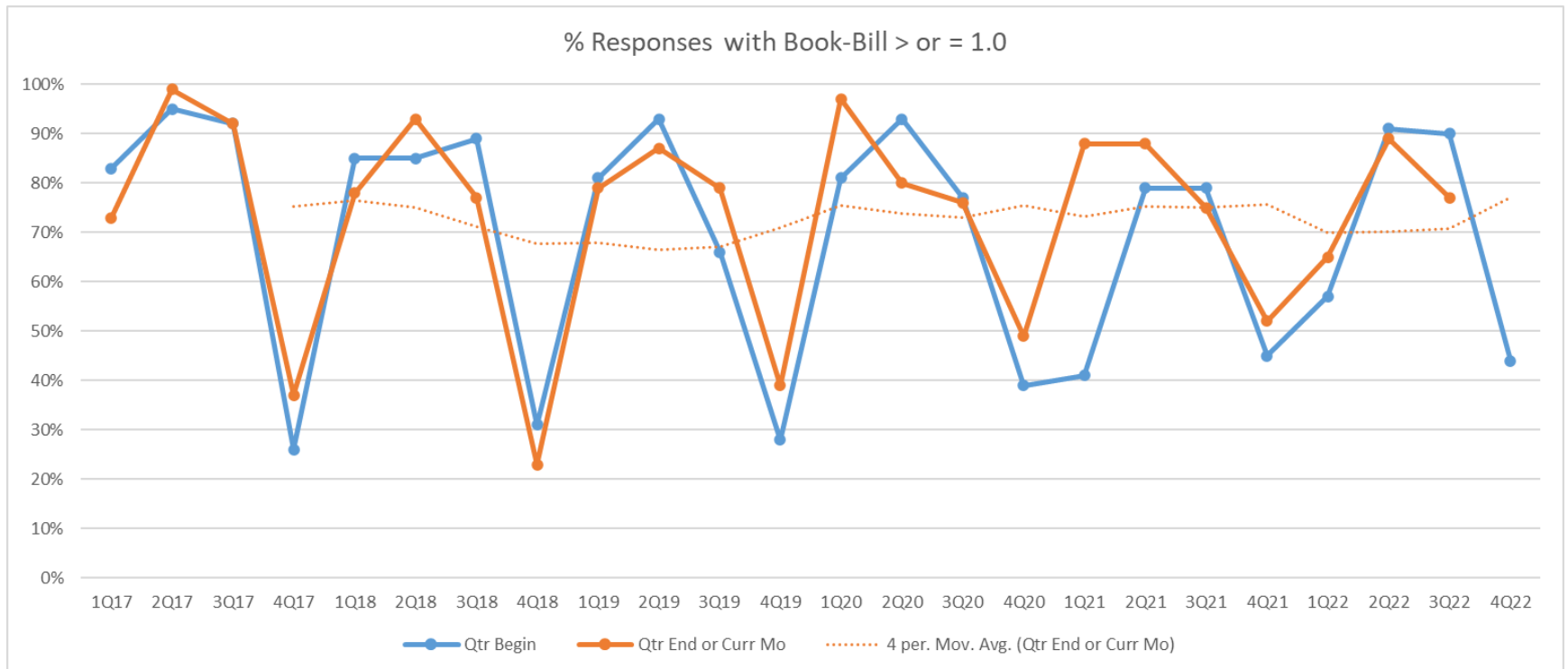


# C4Q22 Initial Outlook



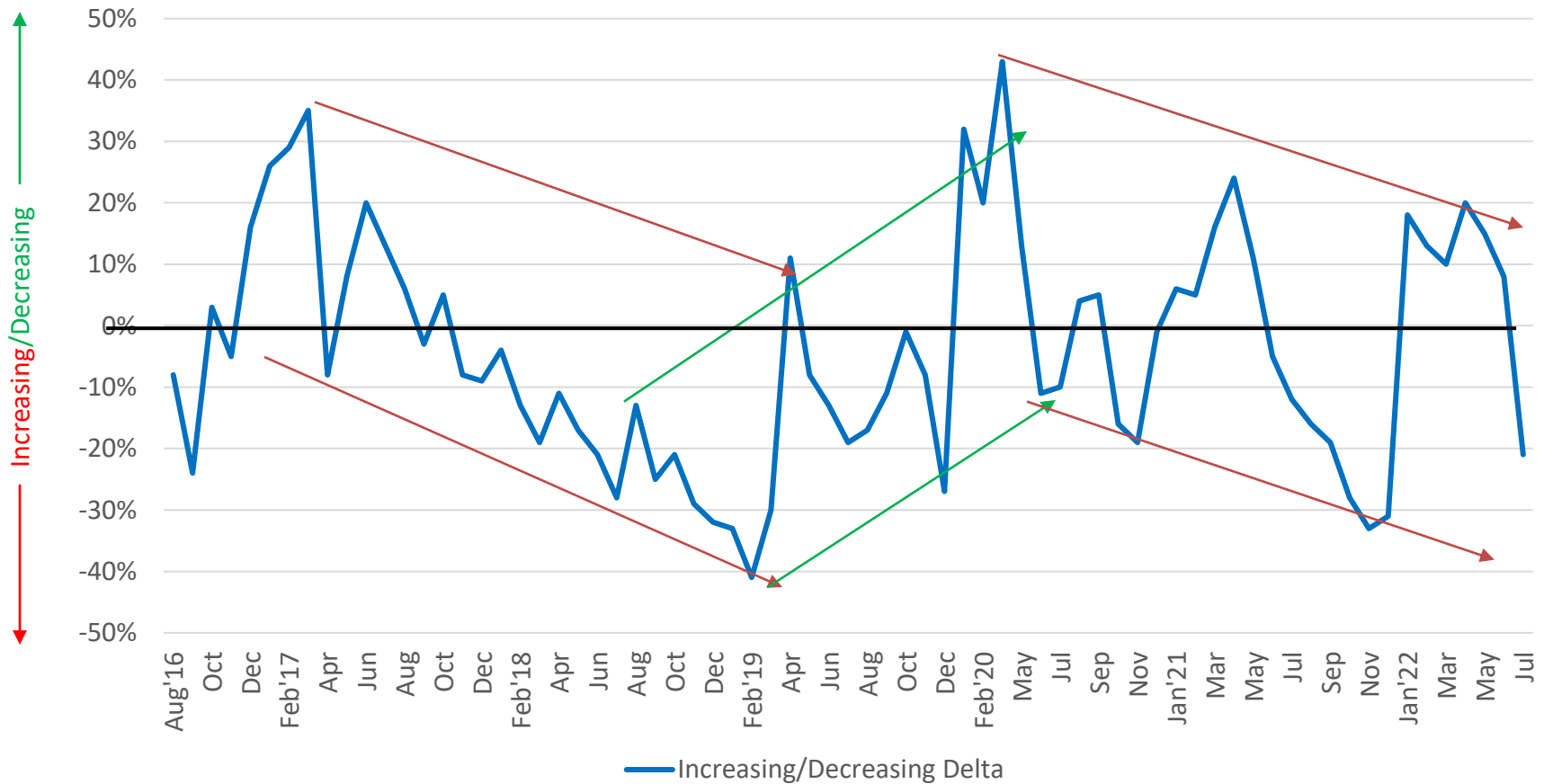
# Book to Bill History & Trends

(Calendar quarters)



# Backlog Order Push Outs/Cancellations vs. 30 Days Ago

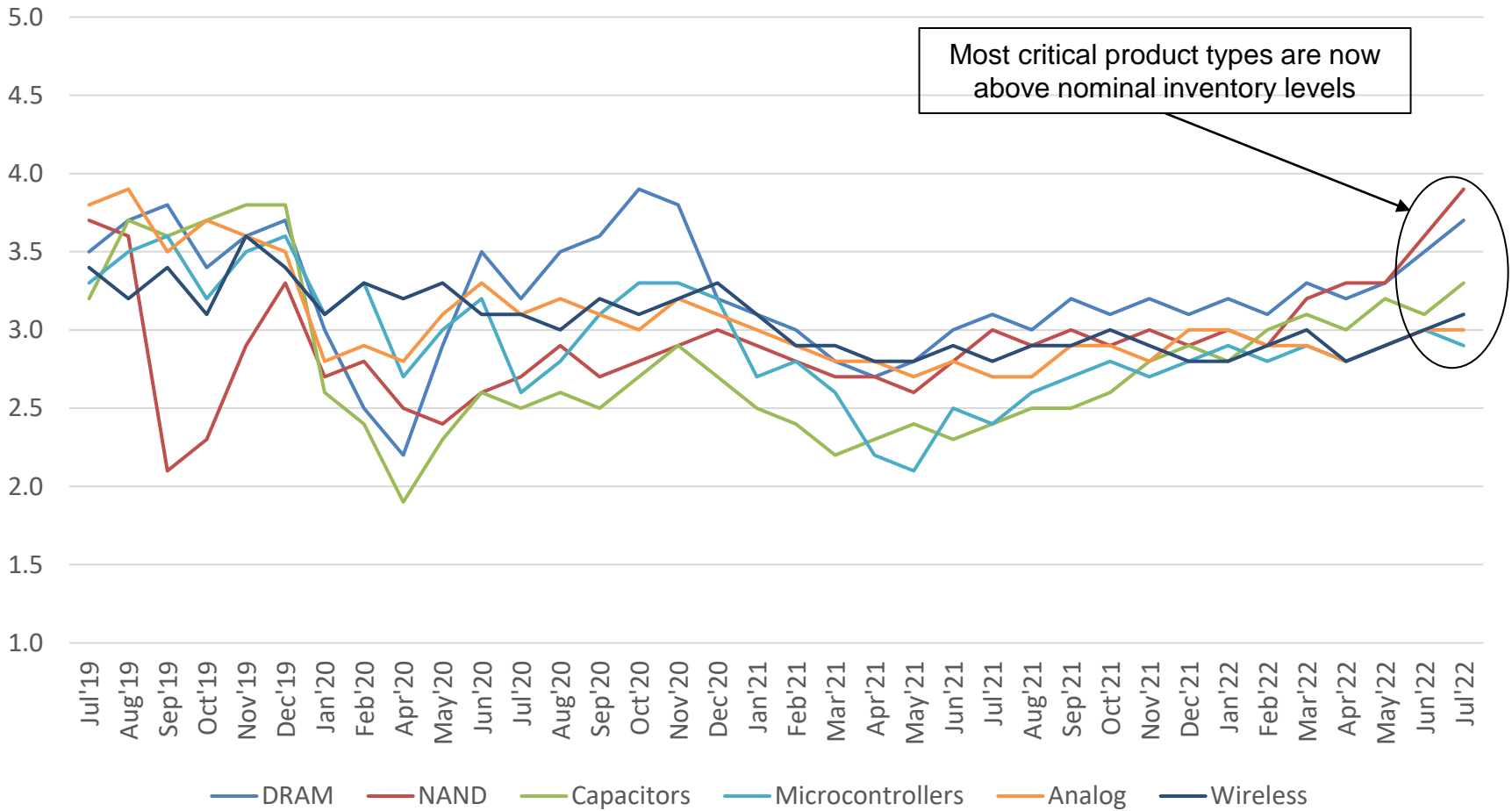
(Delta between increasing and decreasing cancellations – Higher % is more positive)



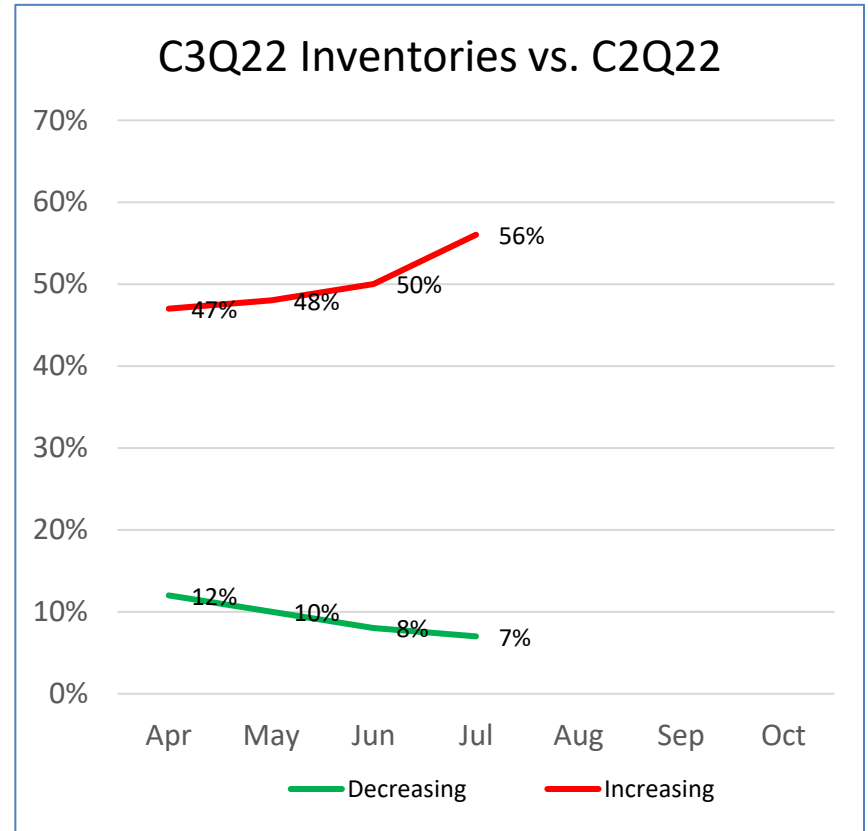
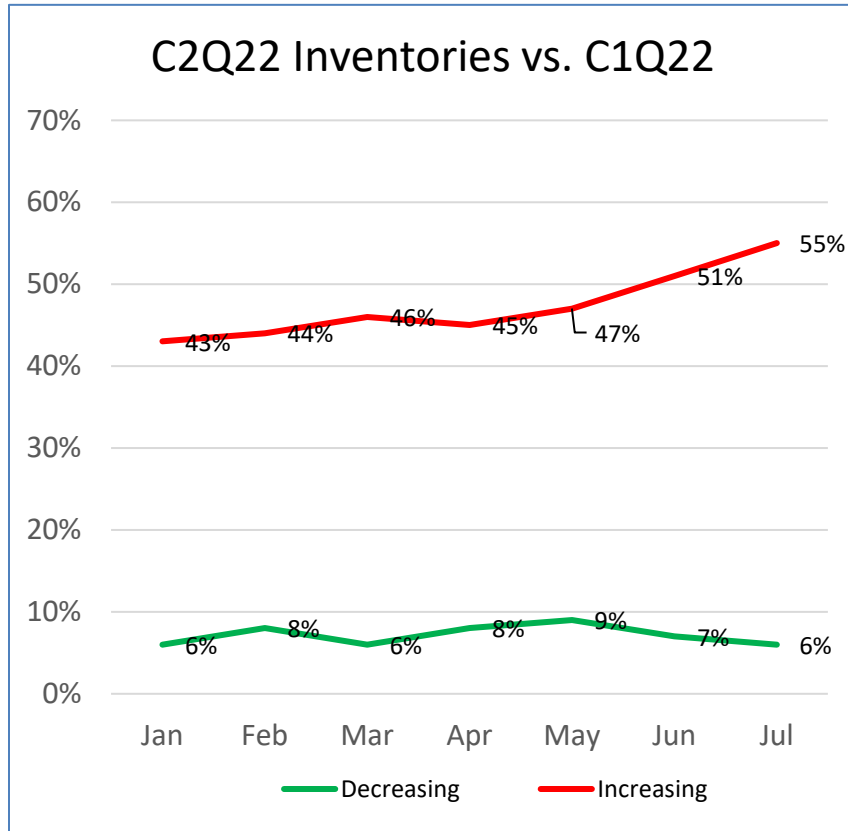


# Inventory Status

(Using a scale of 1 to 5 with 1 being extremely low inventory, 3 being the normal amount, and 5 being extremely high; how do you view inventory levels for the following products?)

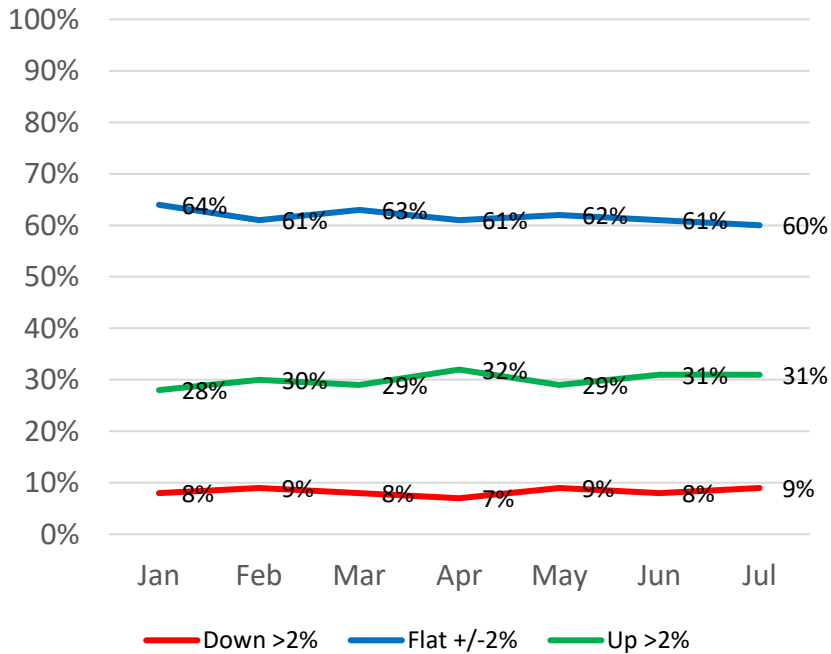


# Q/Q Inventory Growth

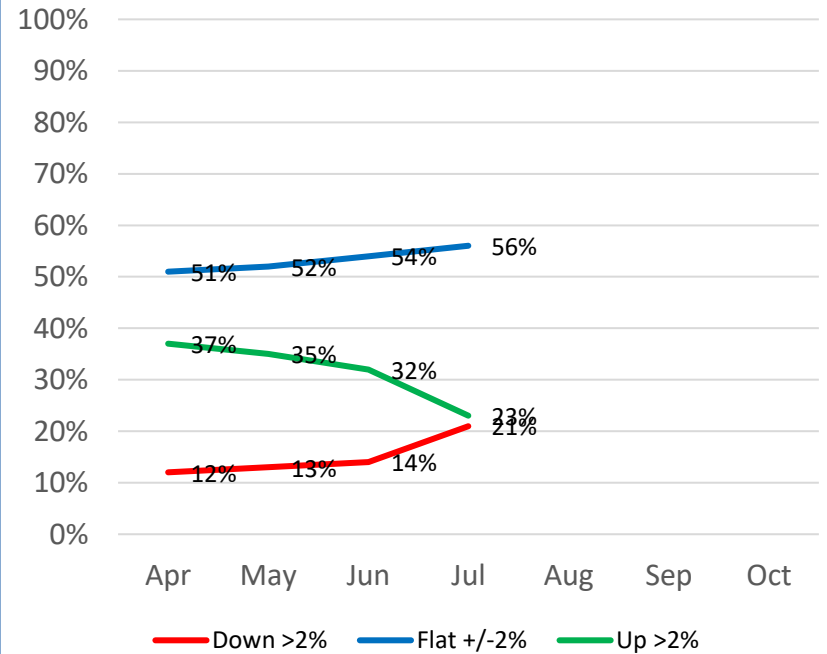


# Q/Q Pricing Trends

## C2Q22 Pricing vs. C1Q22



## C3Q22 Pricing vs. C2Q22



# Vertical Outlook

