



# **TPC Semiconductor Market Survey**

**September 8, 2020**

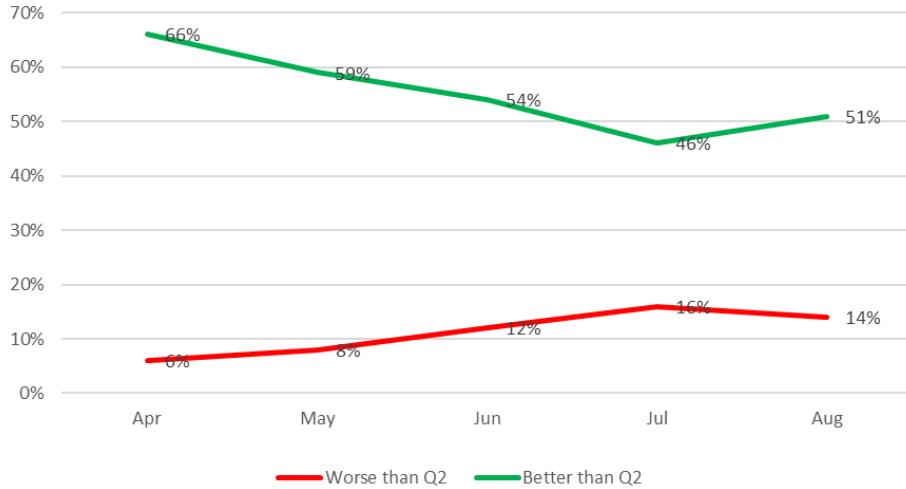
# TPC August 2020 Survey Summary

*Survey Date: Aug 28-31 Respondents: ~9,000 Location: Worldwide (~80% Asia) Who: Active Electronics Industry Professionals  
Response Composition (multiple choices): Industrial 15%, Auto 19%, Comm 21%, Computing 21%, Mobile 33%, Data Ctr 20%, Other 12%*

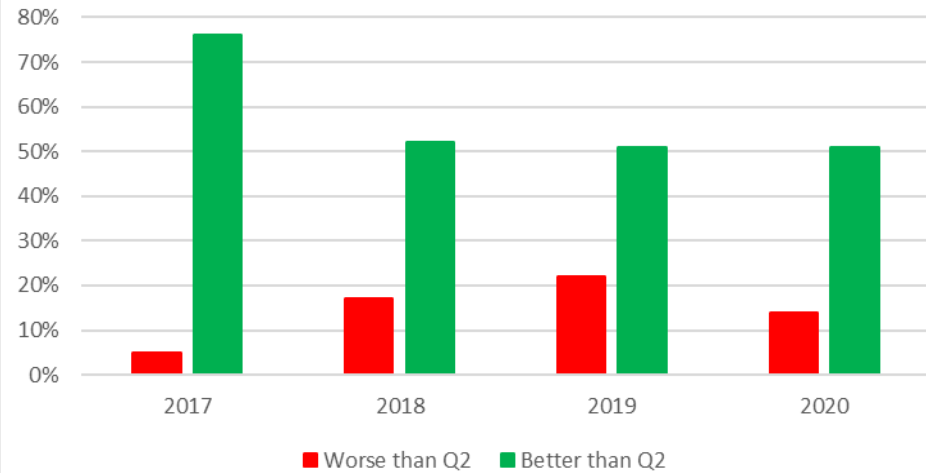
- We completed our monthly survey last weekend (~9,000 respondents) which saw slight improvement for both C3Q & C4Q growth expectations. However, the seasonality outlook for C4Q remains weaker vs. previous years.
- In addition the initial C4Q outlook is weaker than last year.
- End customers have still been reluctant to cancel production to their manufactures instead pushing out production into future quarters but appear to be booking less for the near term during the past 30 days.
- The survey showed a growth outlook for C3Q20 slightly better vs. last month with 51% expecting q/q growth vs. 46% previously and 14% see it as weaker vs. 16% last month.
- The survey showed about the same outlook in bookings for C3Q20 with 25% expecting improving bookings vs. C2Q compared to 22% last month, and 28% now expect weaker bookings vs. 28% last month.
- The C4Q outlook is also improved with 7% expecting q/q growth vs. 3% previously and 59% see it as weaker vs. 61% last month. However, there were more respondents who saw C4Q bookings weakening vs. last month.
- Backlog cancellation expectations (slide 6) also improved slightly and is not more neutral vs. last month.
- Availability of critical parts continues to improve and in most cases are at or below normal levels. Slide 7, which shows a more granular view of inventory by key components, showed improvements across most products in inventory and availability.

# Q/Q Demand Growth Outlook

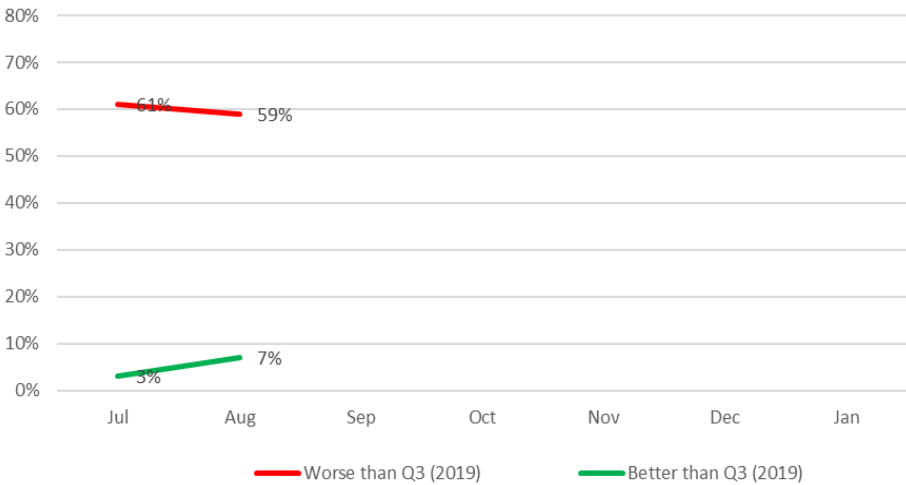
### 3Q Growth Expectations



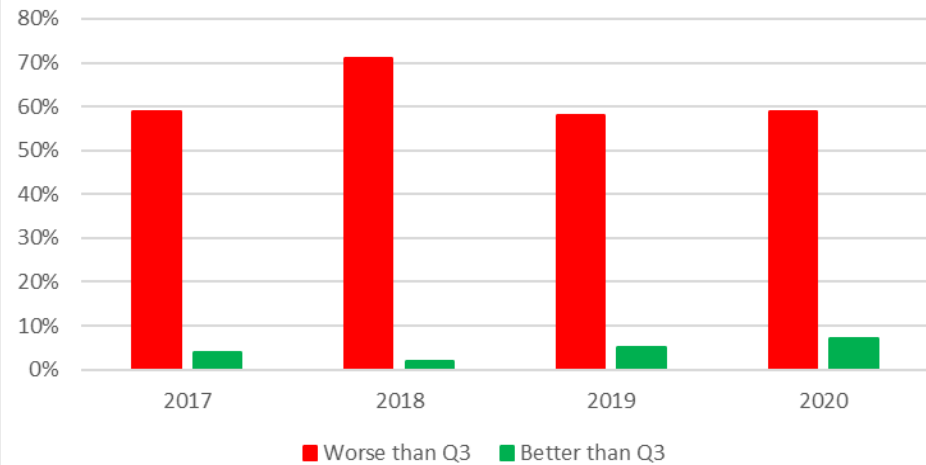
### C3Q Growth Expectations vs. C2Q



### 4Q Growth Expectations

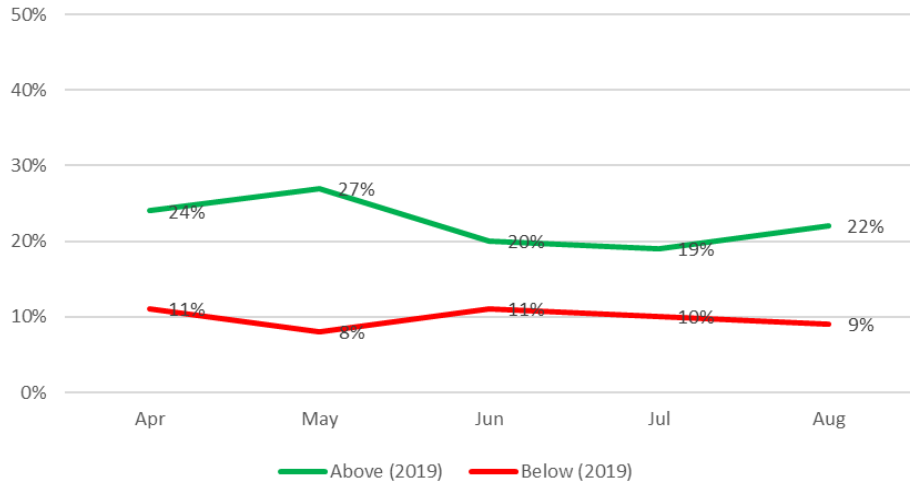


### C4Q Growth Expectations vs. C3Q

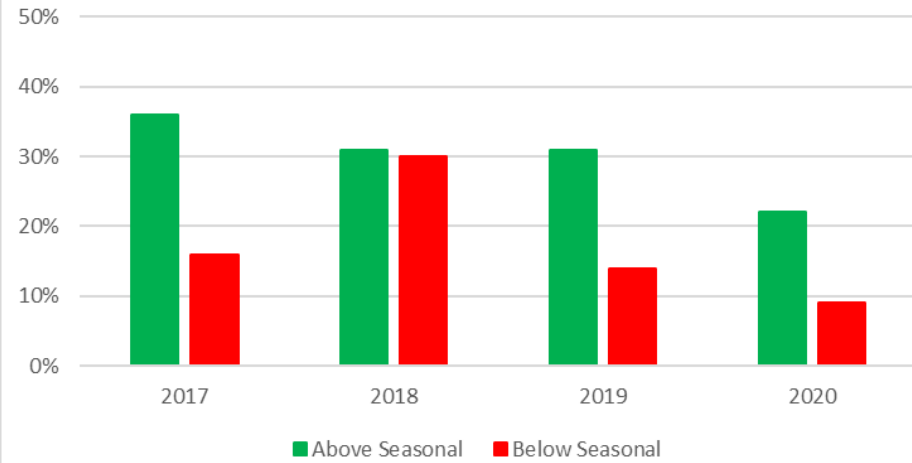


# Q/Q Seasonality Expectations

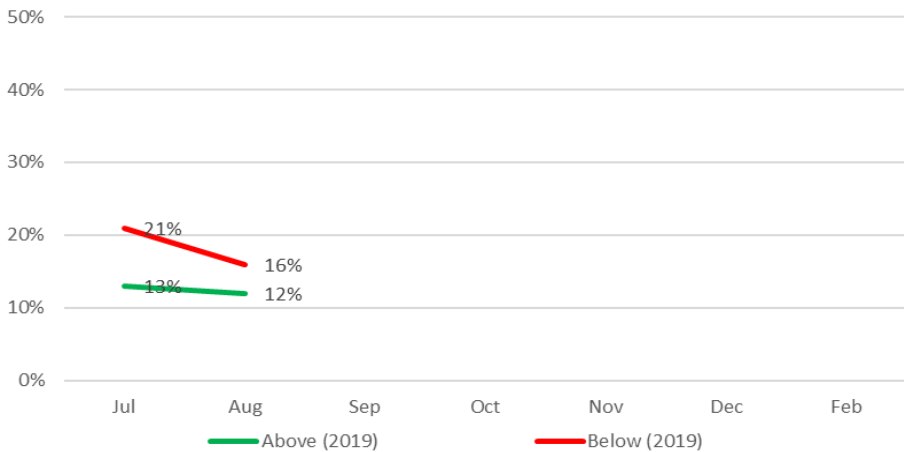
### 3Q Seasonality Expectations



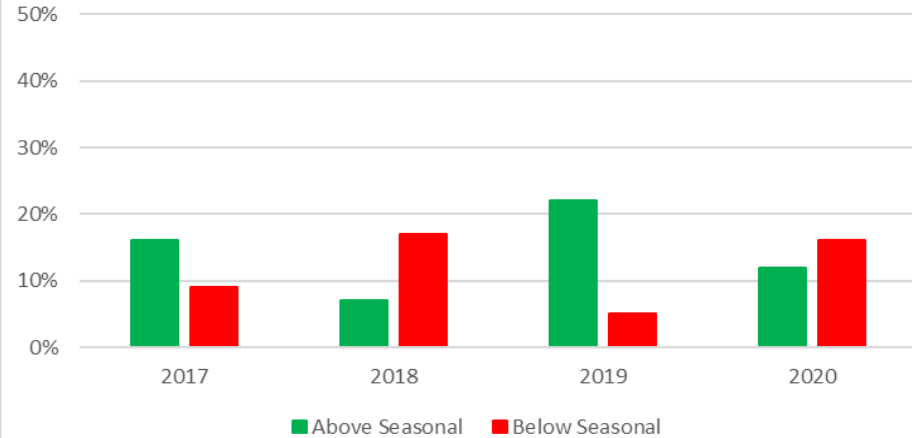
### C3Q Seasonality Expectations



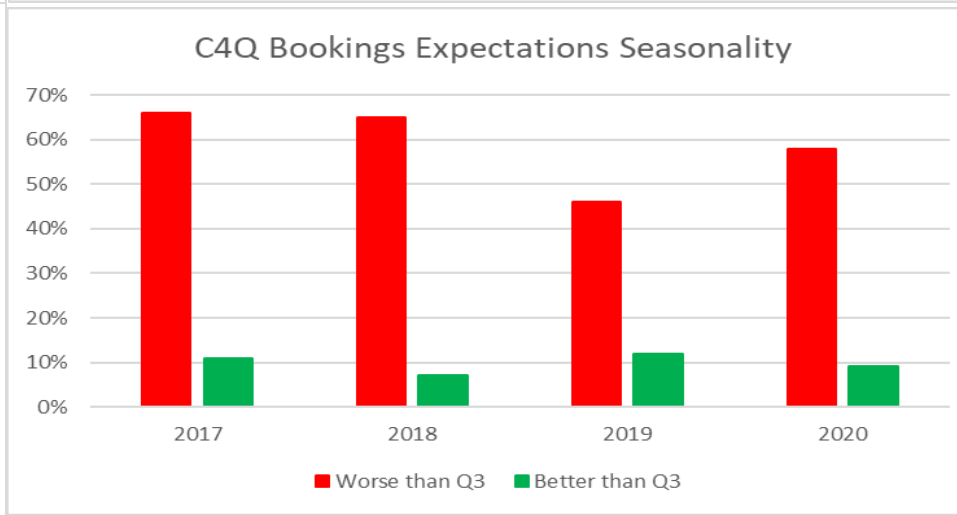
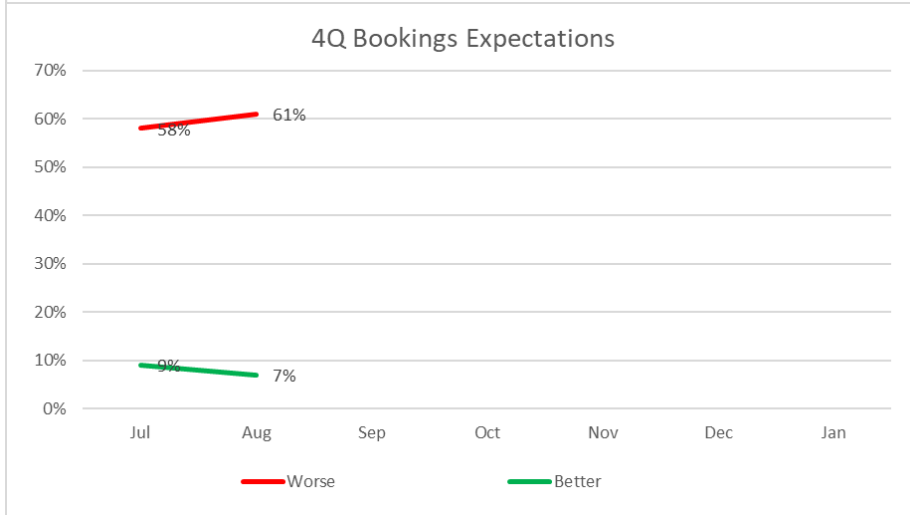
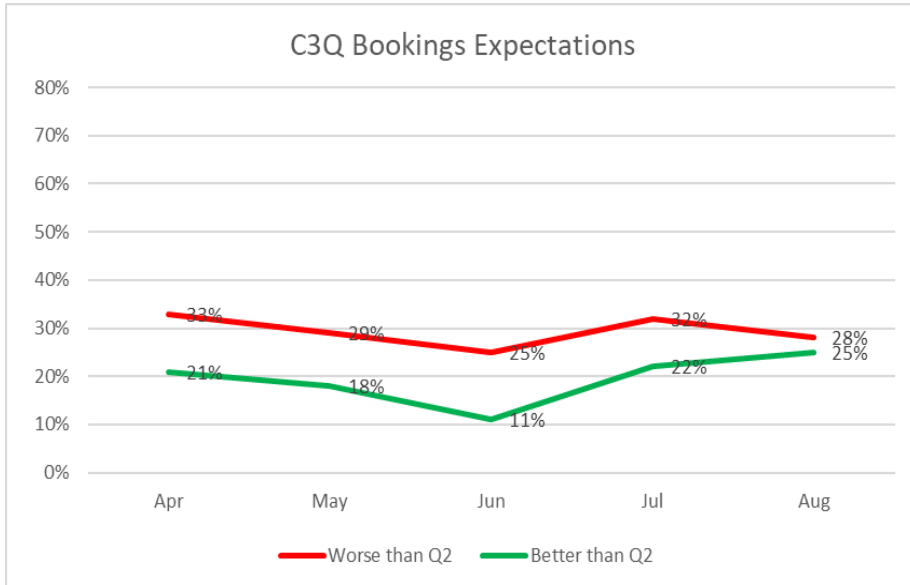
### 4Q Seasonality Expectations



### C4Q Seasonality Expectations

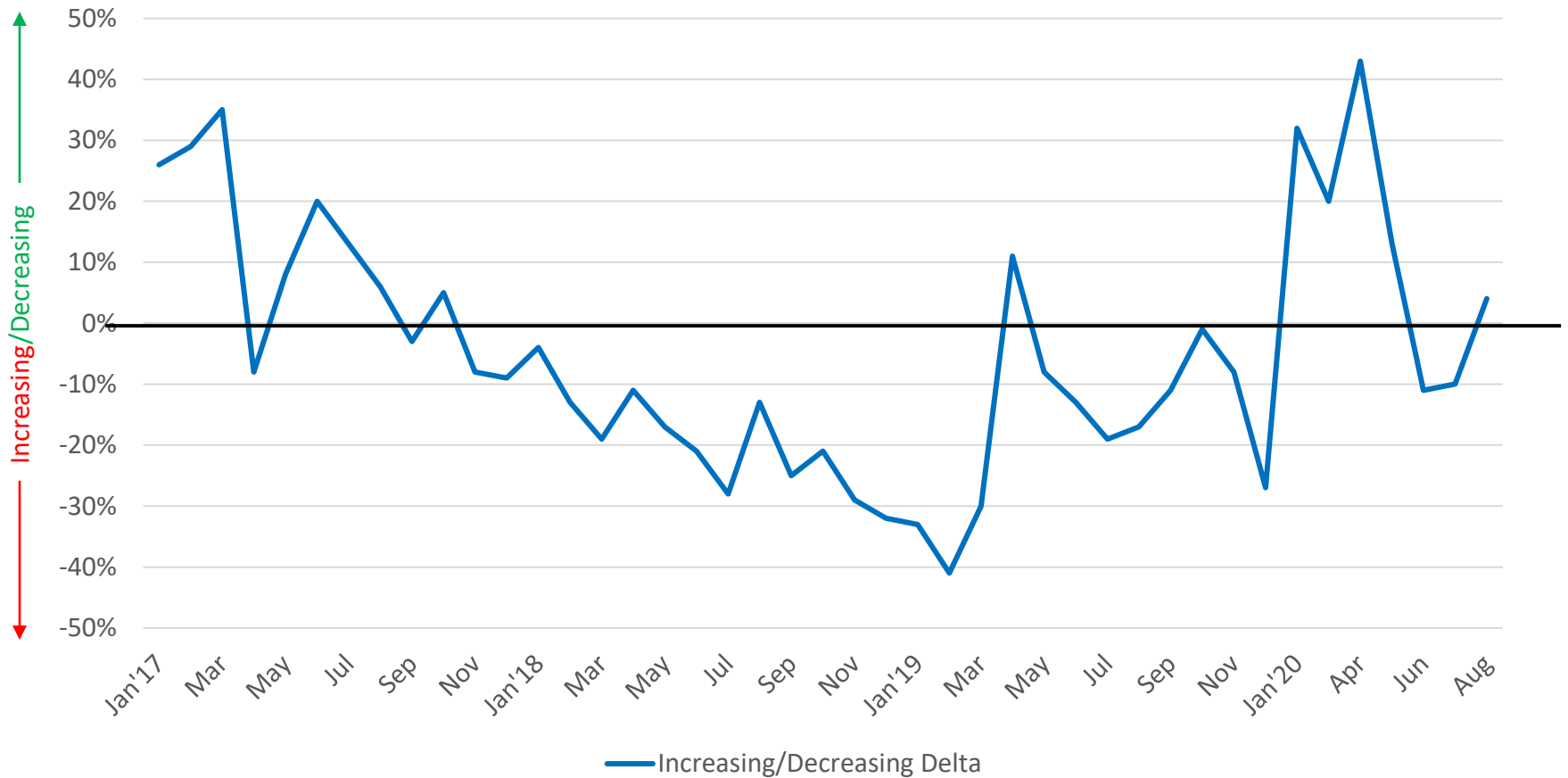


# Q/Q Bookings Growth Expectations



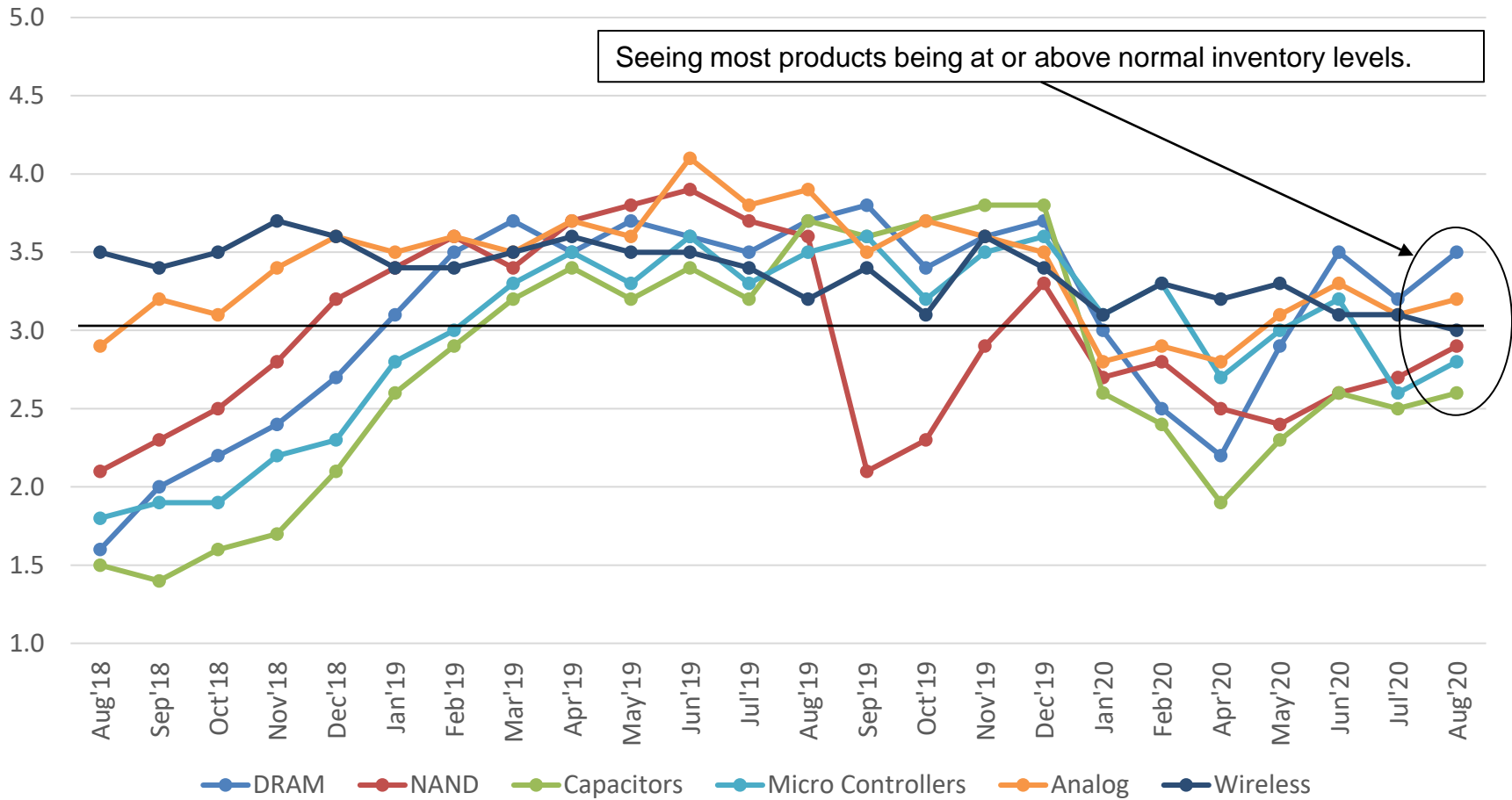
# Backlog Order Cancellations vs. 30 Days Ago

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

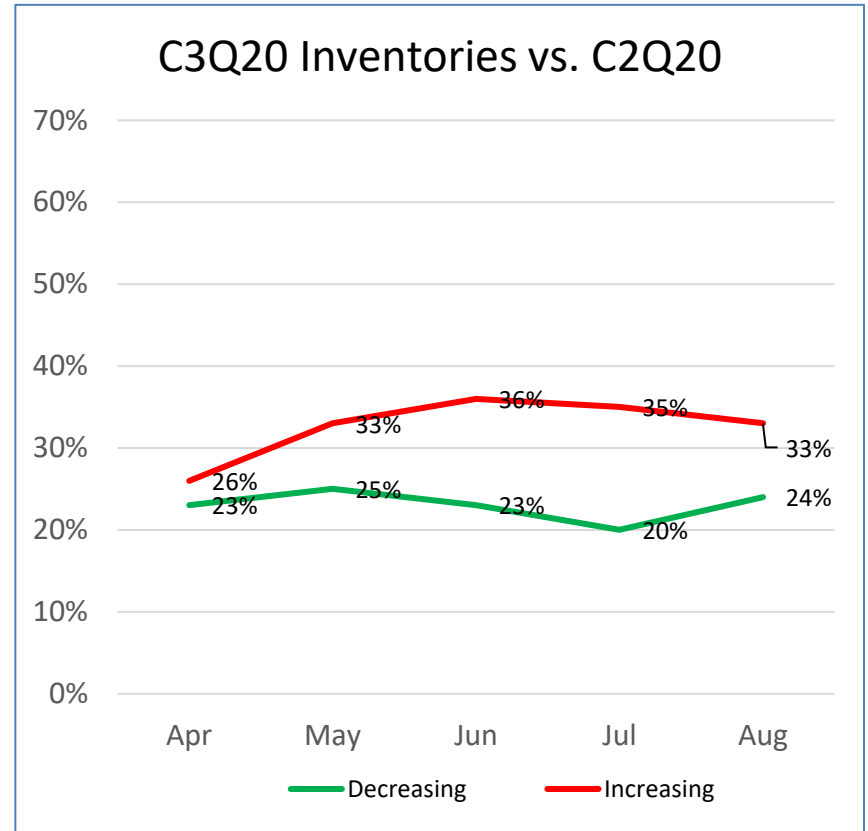
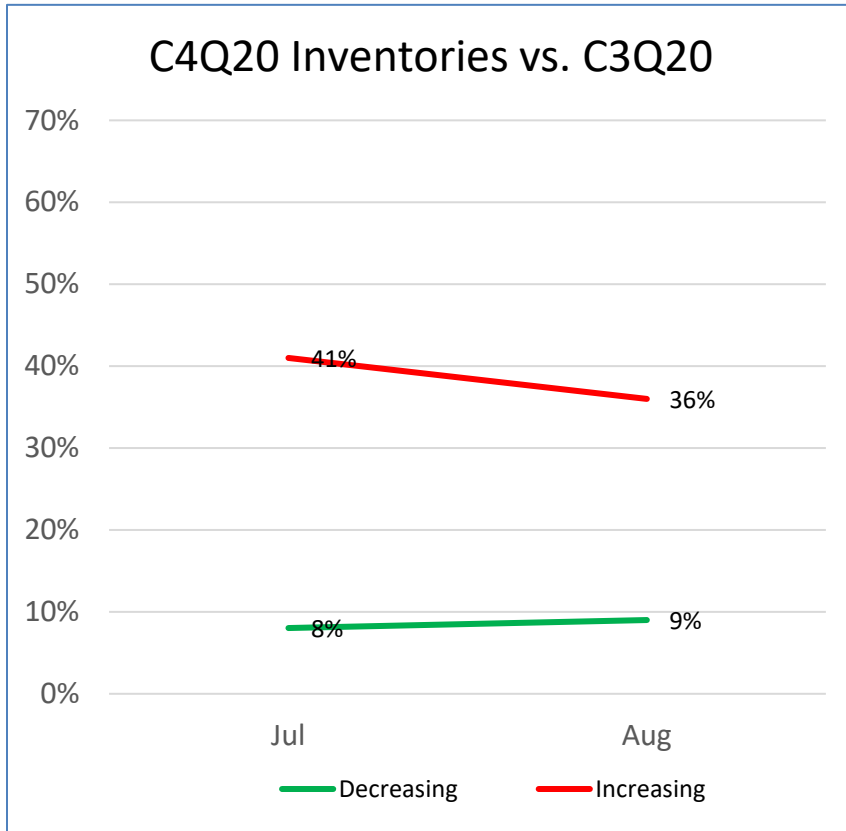


# Inventory Status

(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?)



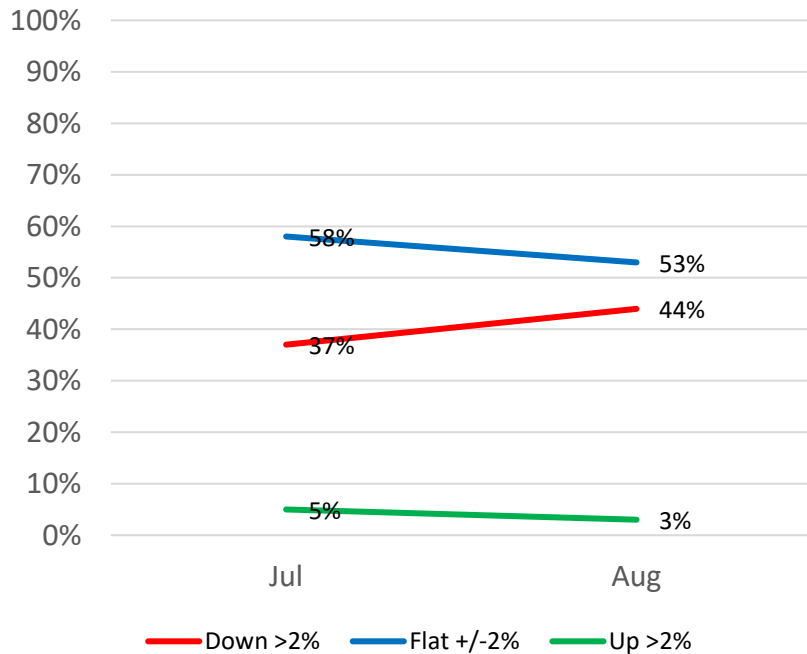
# Q/Q Inventory Growth



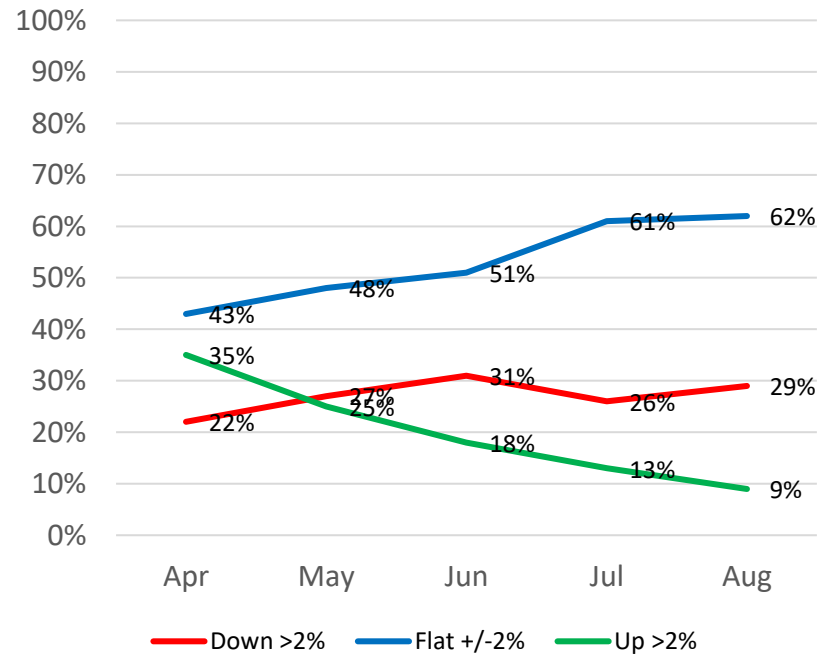


# Q/Q Pricing Trends

## C4Q20 Pricing vs. C3Q20



## C3Q20 Pricing vs. C2Q20



# Vertical Outlook

*The outlook for Communications continues to be above previous years while Auto continues to erode*

