



# **TPC Semiconductor Market Survey**

**May 2023**

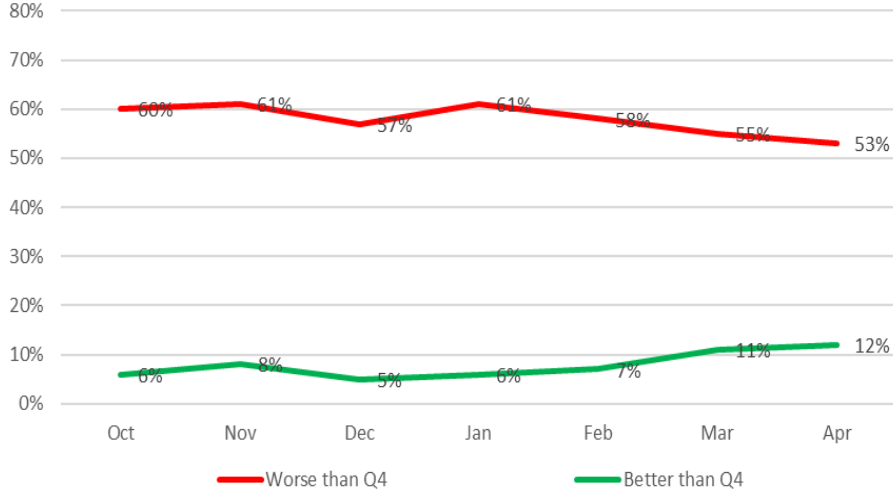
# TPC April/May 2023 Survey Summary

*Survey Date: 5/9-13 Respondents: ~7,500 Location: Worldwide (~80% Asia) Who: Active Electronics Industry Professionals  
Response Composition (multiple choices): Industrial 39%, Auto 21%, Comm 29%, Computing 21%, Mobile 28%, Data Ctr 19%, Other 20%*

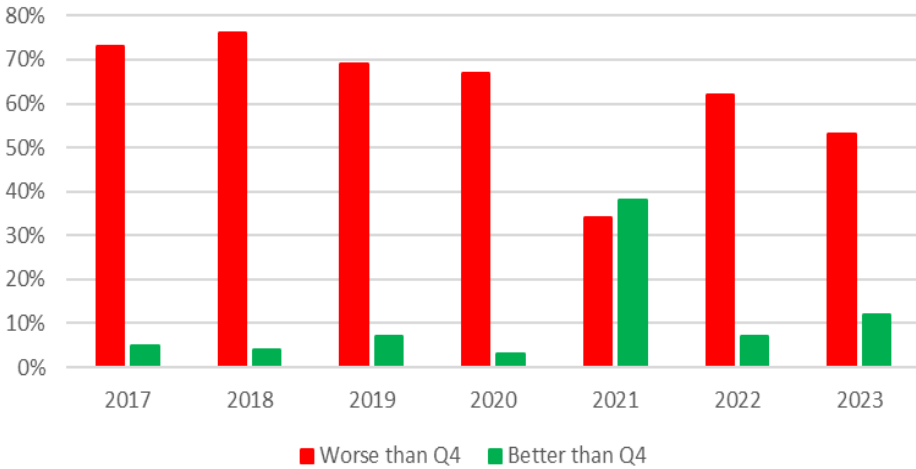
- We recently completed our monthly survey (~7,500 respondents) which saw more improvements in both C1Q23's and C2Q23's outlook vs. last month. In addition, the bookings for both C1Q and C2Q showed another month of improvements.
- Another positive indicator is the improvement in backlog cancellation expectations (slide 8). This has now shown 4 consecutive months of improvement and is now showing net positive responses.
- We believe the above, shows we are at a bottom and starting to recover into 2H.
- The survey showed C1Q23 slightly improving vs. last month with 12% seeing the quarter being better vs. 11% previously; while 53% see it as worse vs. 55% last month.
- The survey also showed C2Q23 slightly better vs. last month with 27% seeing the quarter being better vs. 25% previously; while 29% see it as worse vs. 30% last month.
- The initial read into C3Q shows improving growth and bookings vs. the previous 2 years.
- Key product inventory and availability (slide 9) roughly the same across all key products and are now at nominal levels.
- Interestingly, both C1Q and C2Q inventory growth outlook trend (slide 10) showed slight increases vs. last month.
- Pricing trends (slide 11) for C2Q improved vs. last month's survey.

# C1Q23 Outlook

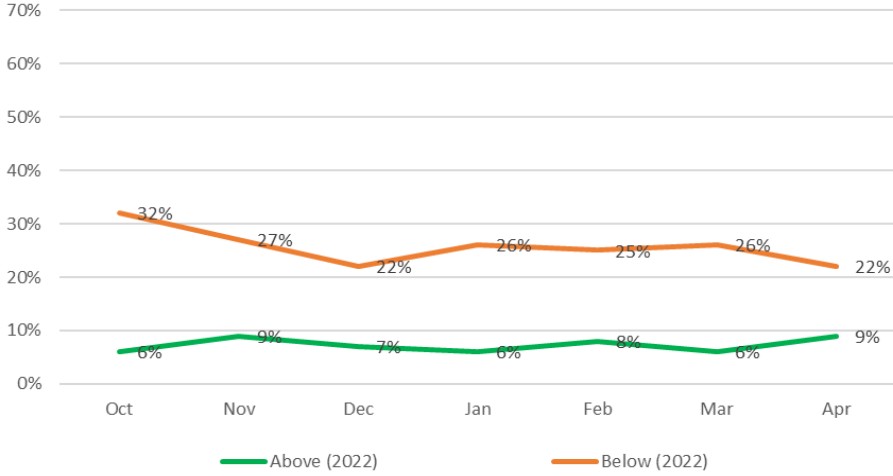
C1Q23 Growth Expectations



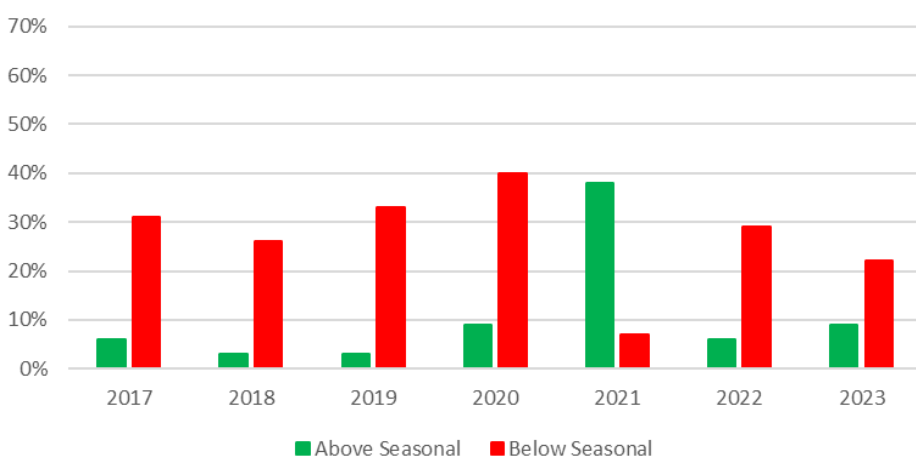
C1Q Growth Expectations vs. C4Q



C1Q22 Seasonality Expectations

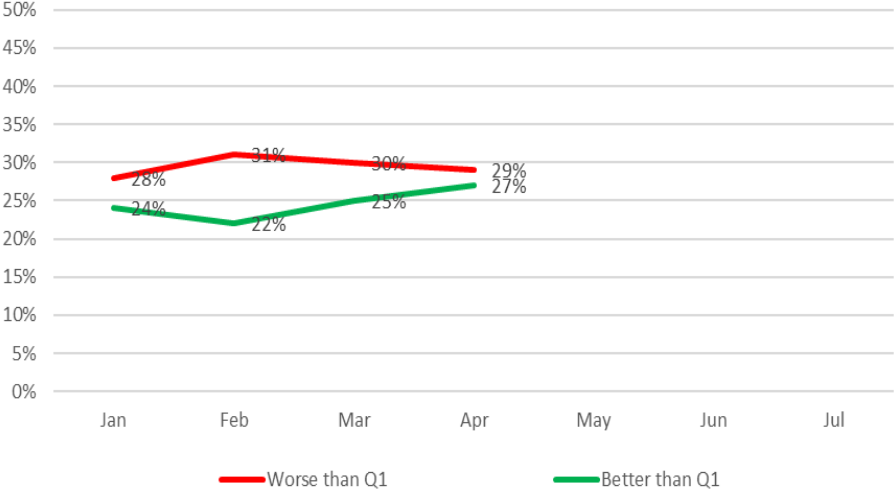


C1Q Seasonality Expectations

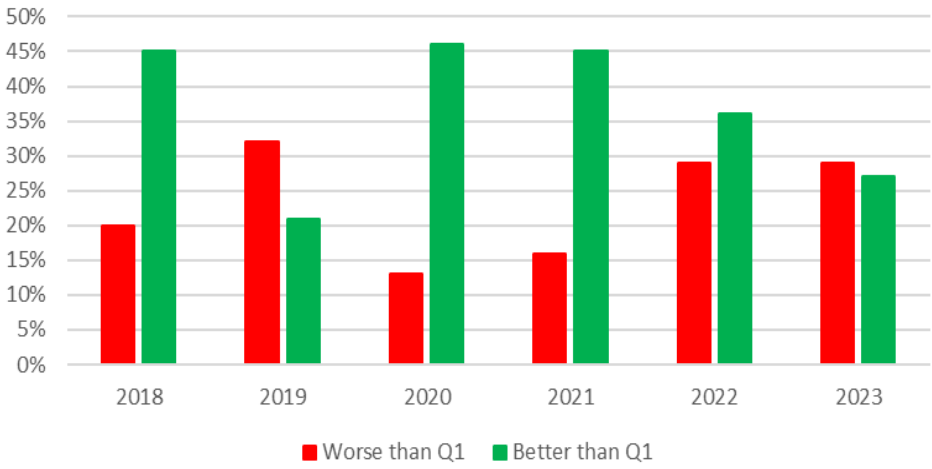


# C2Q23 Outlook

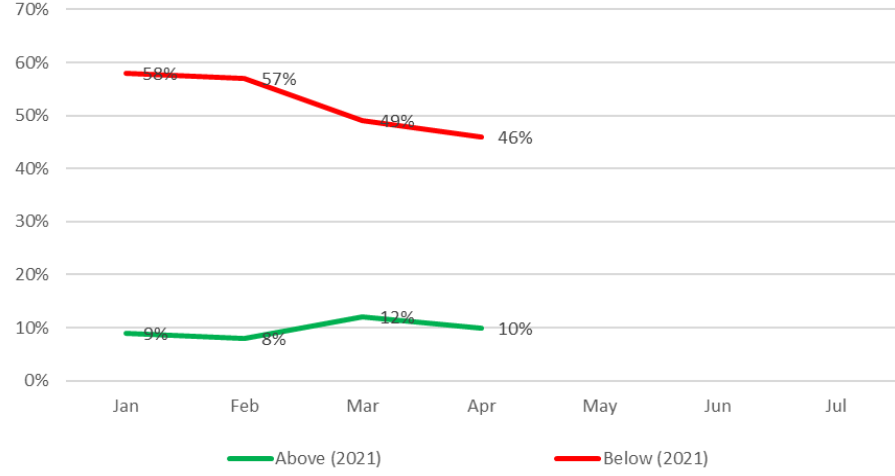
C2Q22 Growth Expectations



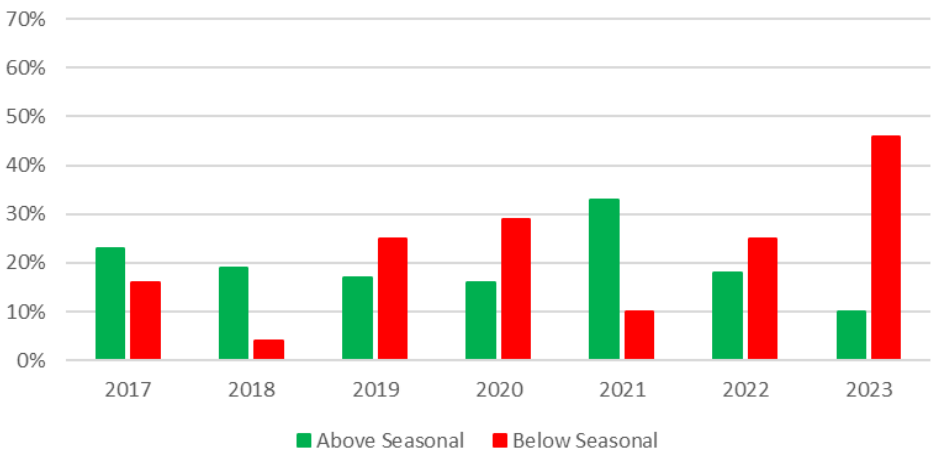
C2Q Growth Expectations vs. C1Q



C2Q22 Seasonality Expectations

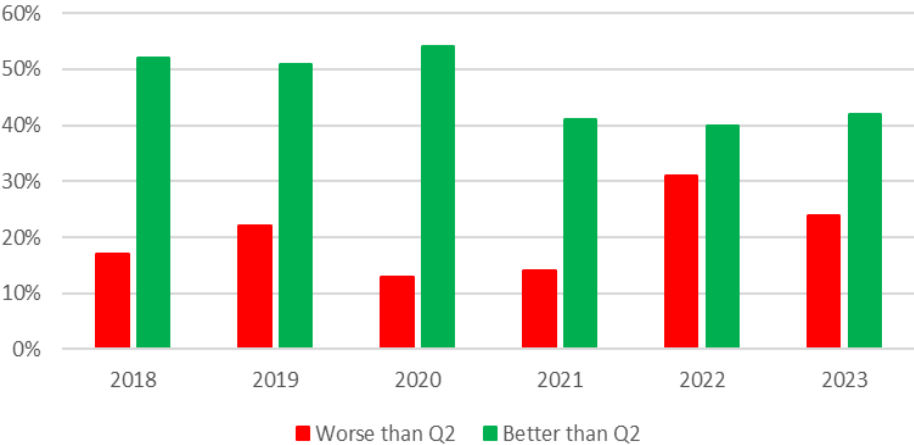


C2Q Seasonality Expectations

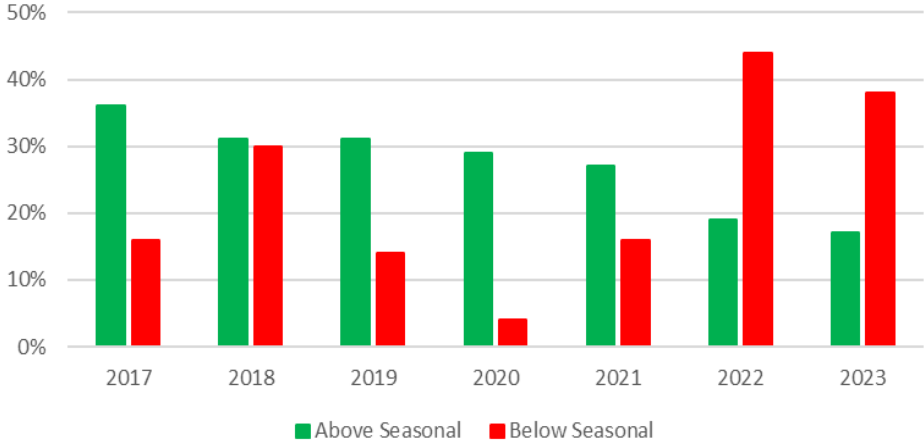


# C3Q23 Outlook

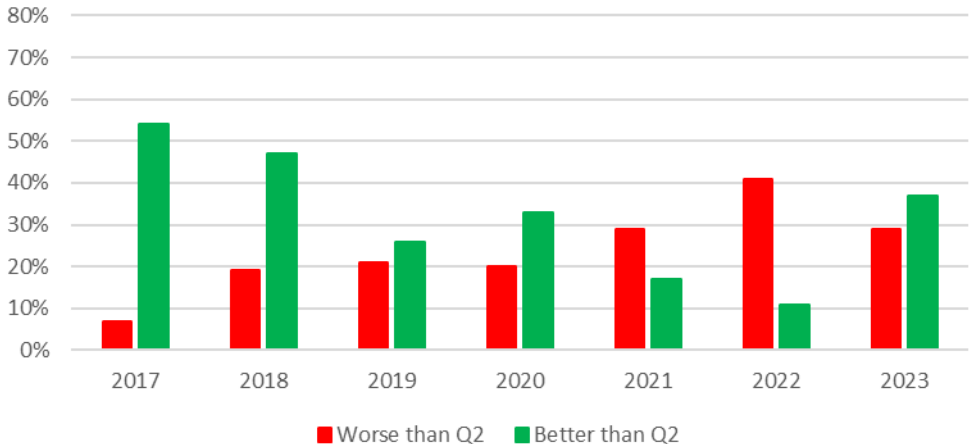
C3Q Growth Expectations vs. C2Q



C3Q Seasonality Expectations

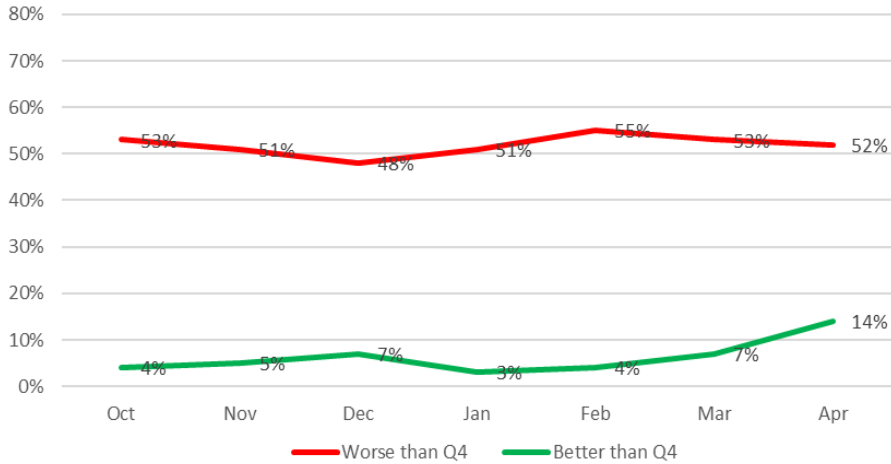


C3Q Bookings Expectations

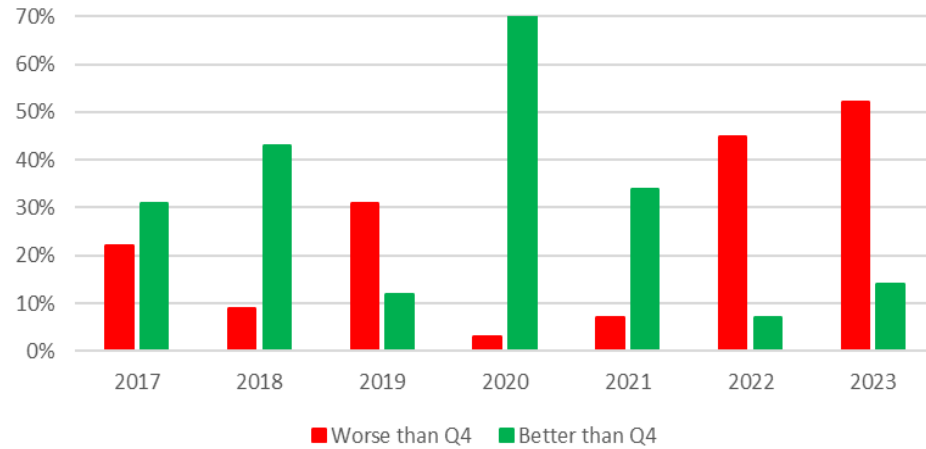


# Bookings Outlook

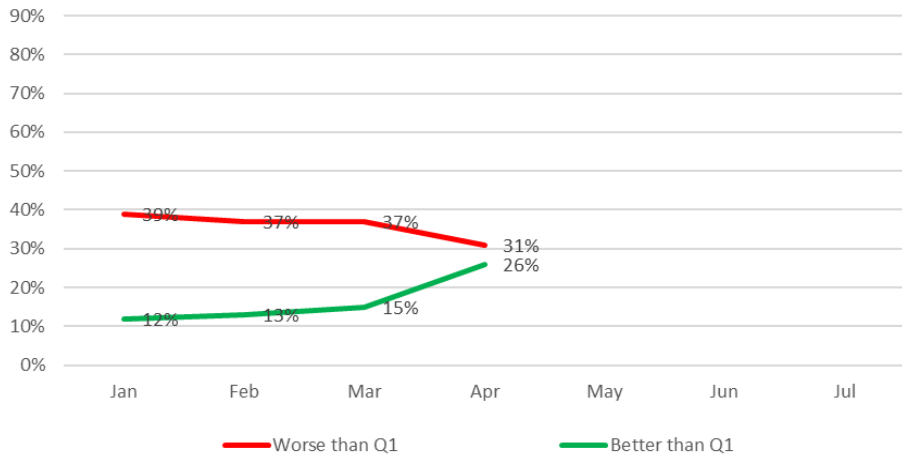
C1Q22 Bookings Expectations



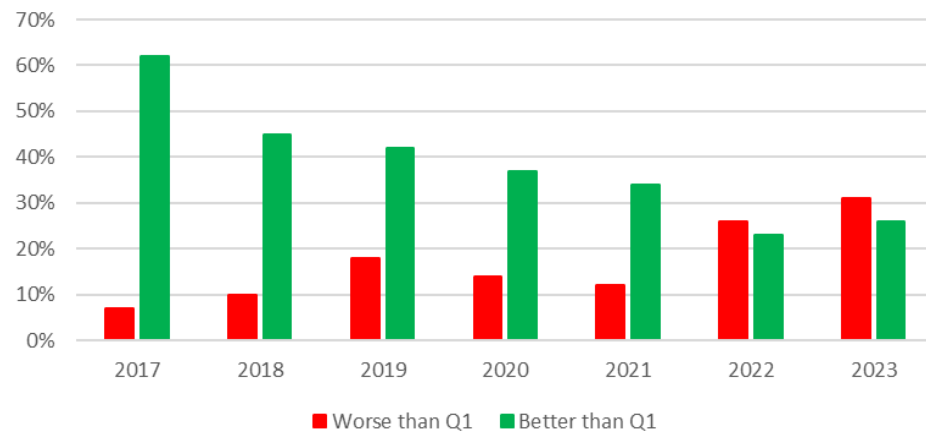
C1Q Bookings Expectations



C2Q22 Bookings Expectations

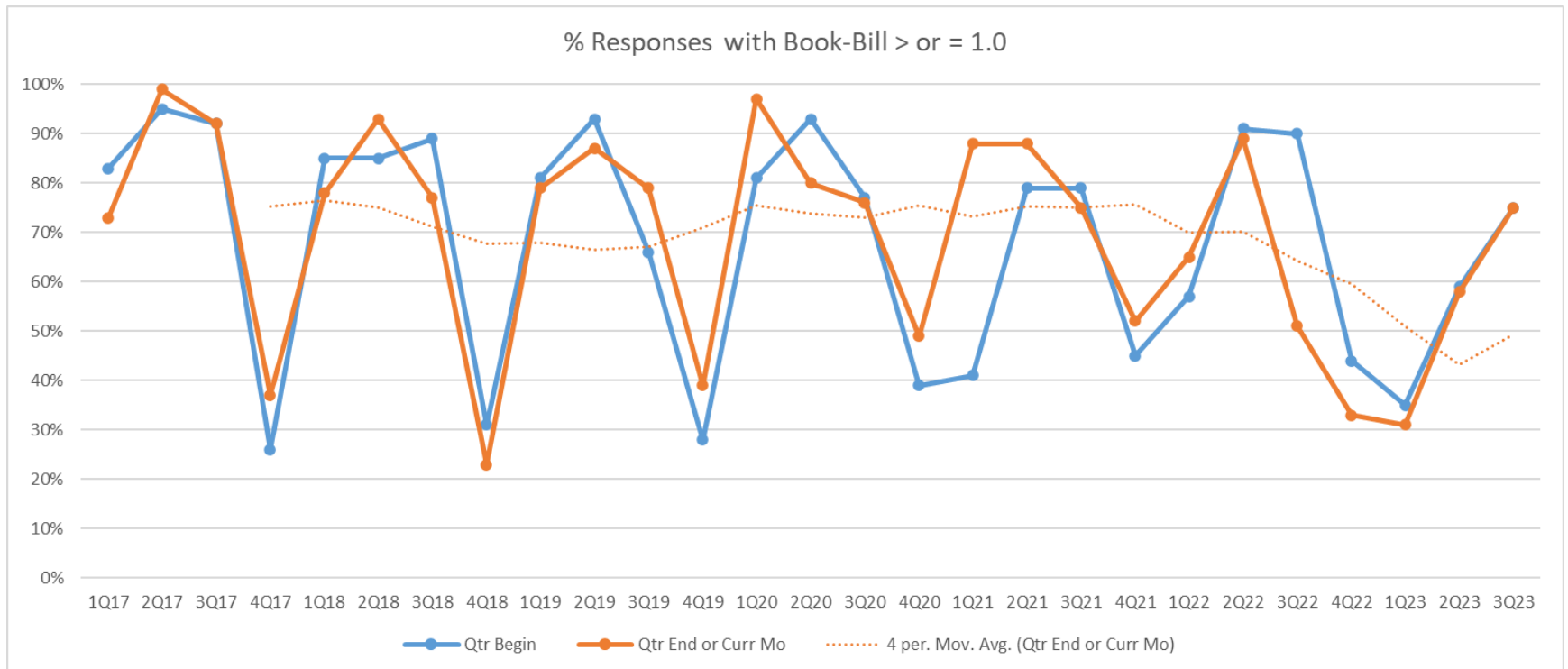


C2Q Bookings Expectations



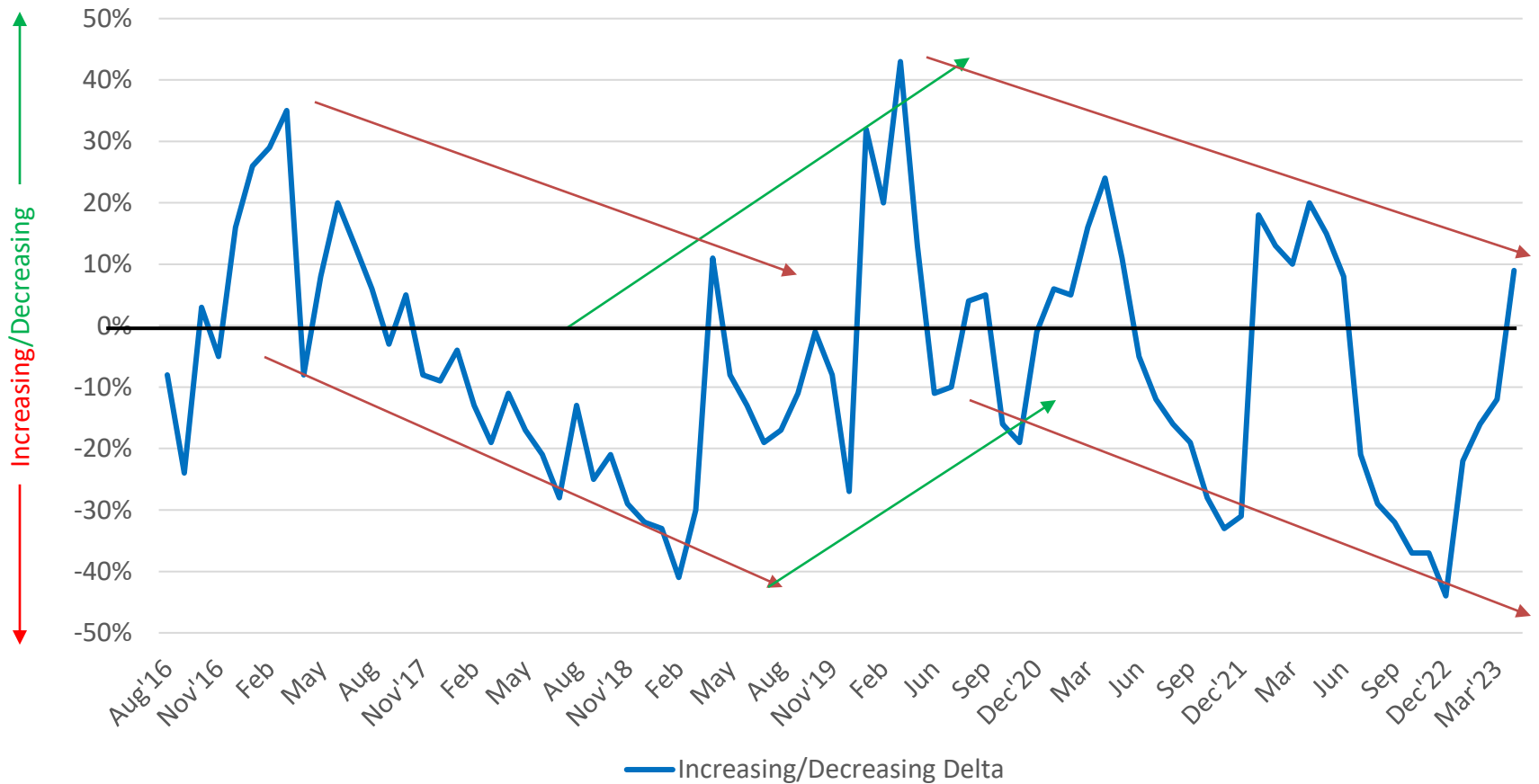
# Book to Bill History & Trends

(Calendar quarters)



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

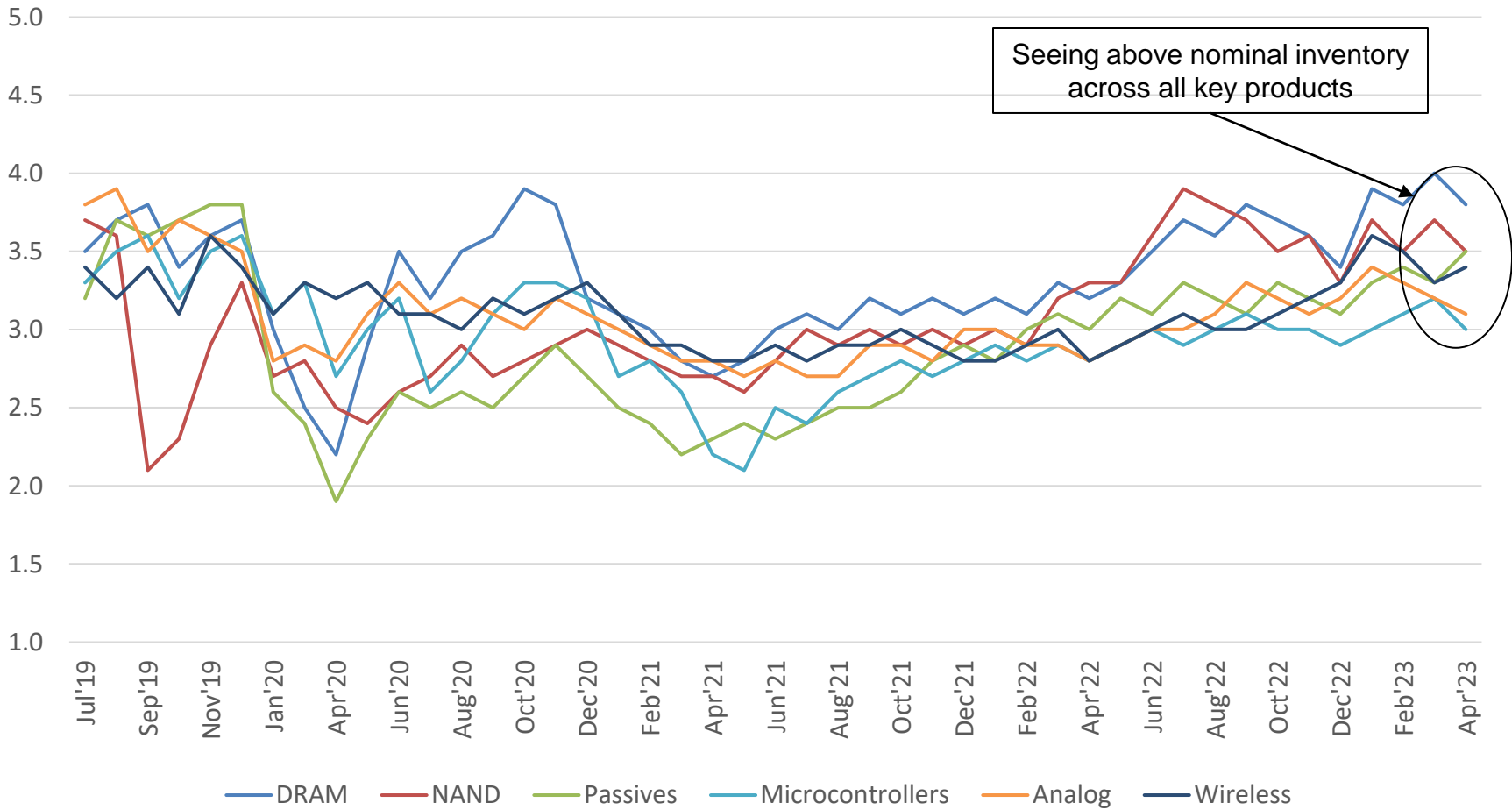
(Delta between increasing and decreasing cancellations – Higher % is more positive)





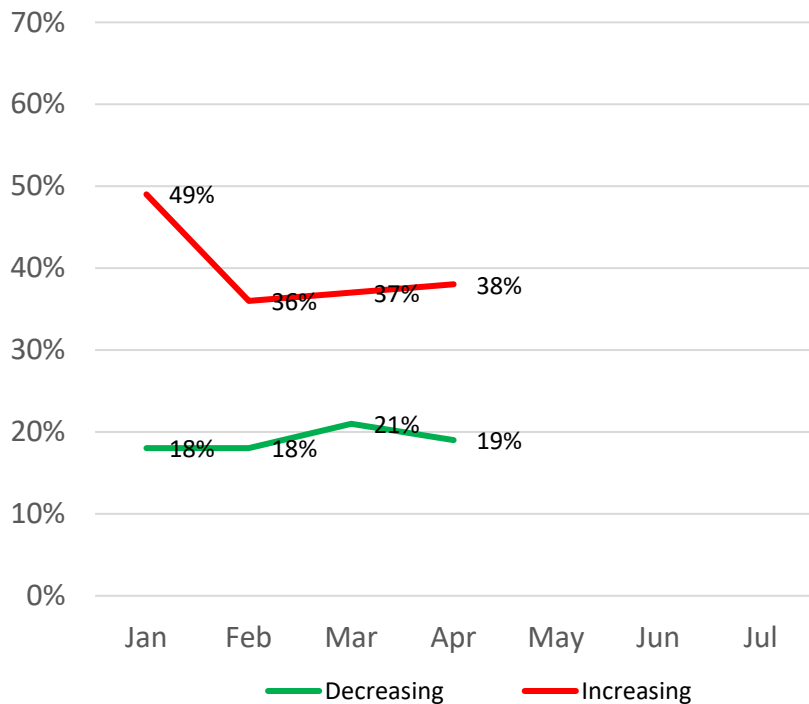
# Inventory Status

(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?)

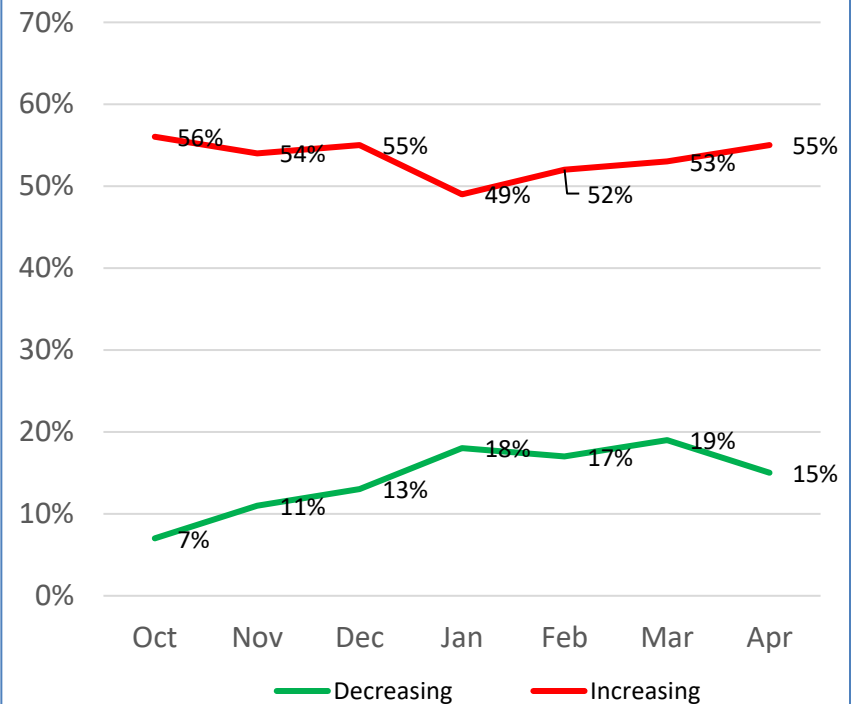


# Q/Q Inventory Growth

## C2Q23 Inventories vs. C1Q23

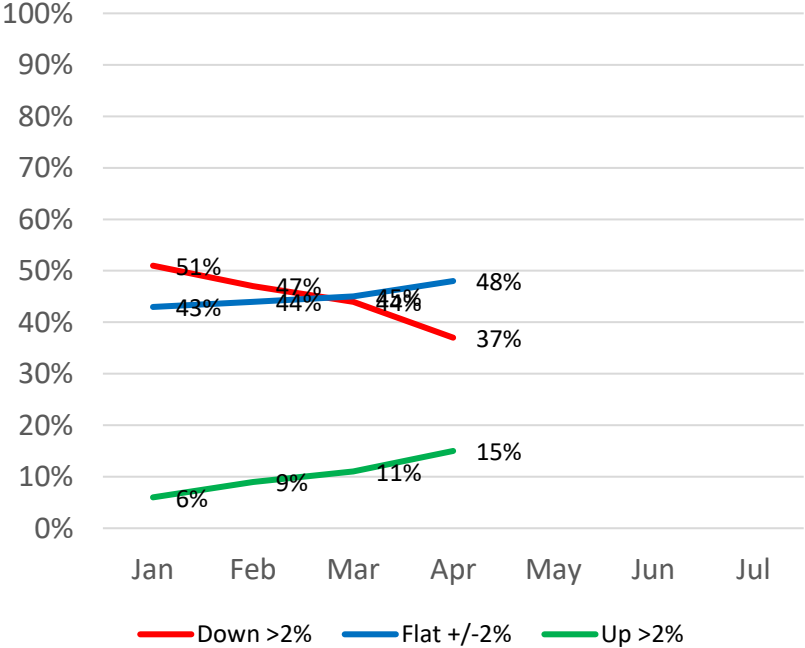


## C1Q23 Inventories vs. C4Q22

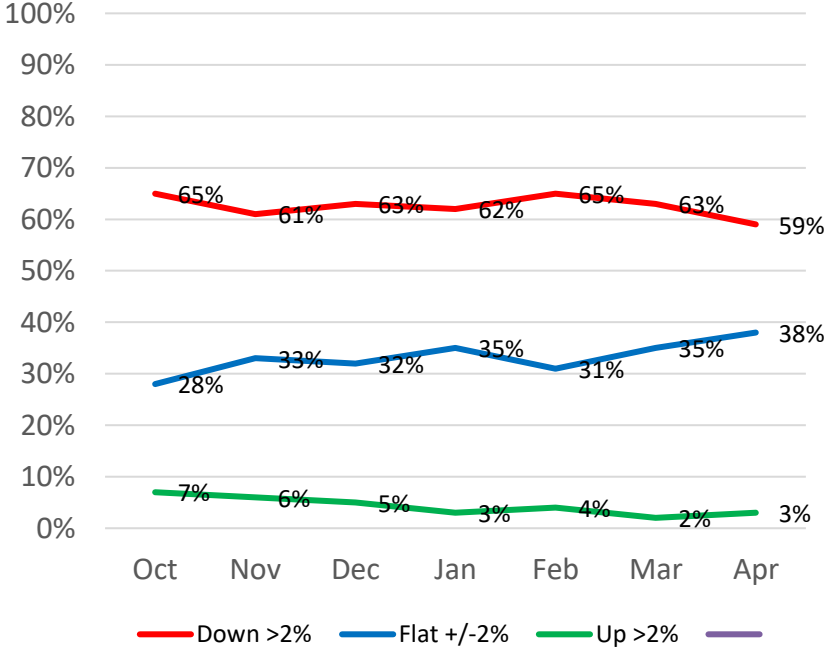


# Q/Q Pricing Trends

### C2Q22 Pricing vs. C1Q22



### C1Q23 Pricing vs. C4Q22



# Vertical Outlook

