



TPC Semiconductor Market Survey

May 2023

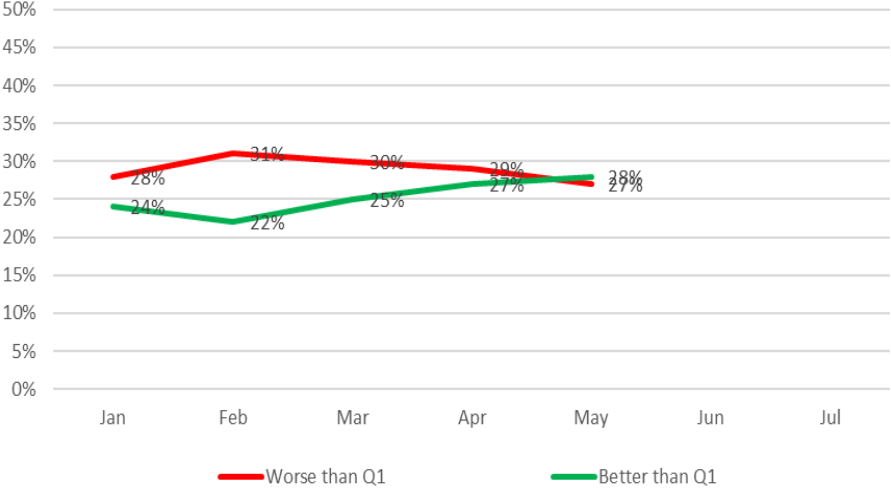
TPC May/June 2023 Survey Summary

*Survey Date: 6/9-13 Respondents: ~8,400 Location: Worldwide (~80% Asia) Who: Active Electronics Industry Professionals
Response Composition (multiple choices): Industrial 38%, Auto 21%, Comm 20%, Computing 18%, Mobile 26%, Data Ctr 21%, Other 19%*

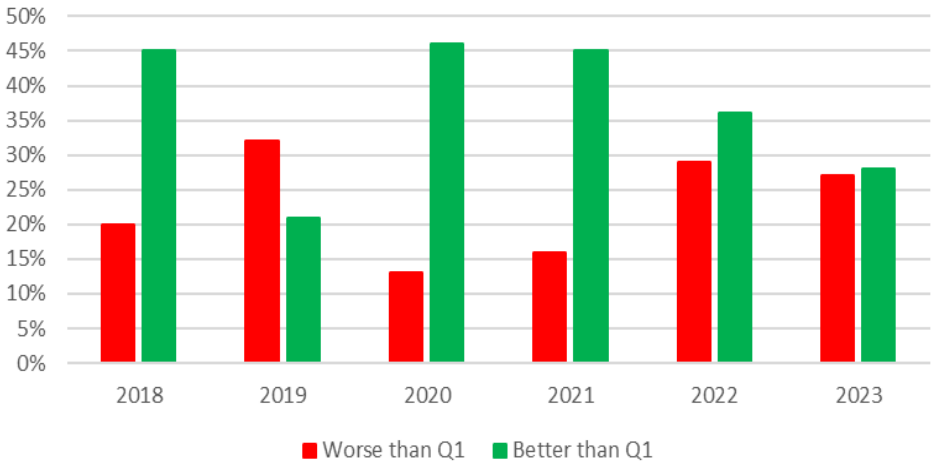
- We recently completed our monthly survey (~8,400 respondents) which saw continued improvements in both C2Q23's and C3Q23's outlook vs. last month. However, the bookings for both C2Q and C3Q showed some moderation, which we believe is an indication of inventory still trying to be reduced in the channels.
- The backlog cancellation expectations (slide 7) showed a movement sideways but is still above the "positive" trend line.
- We believe the above shows we are at a bottom and starting a slow recovery into 2H.
- The survey showed C2Q23 slightly improving vs. last month with 29% seeing the quarter being better vs. 27% previously; while 27% see it as worse vs. 29% last month.
- The survey also showed C3Q23 slightly better vs. last month with 11% seeing the quarter being better vs. 10% previously; while 43% see it as worse vs. 46% last month.
- Key product inventory and availability (slide 8) roughly the same across all key products and are now at nominal levels.
- Both C2Q and C3Q inventory growth outlook trend (slide 9) showed slight improvements vs. last month.
- Pricing trends (slide 10) for both C2Q and C3Q got slightly worse vs. last month's survey.

C2Q23 Outlook

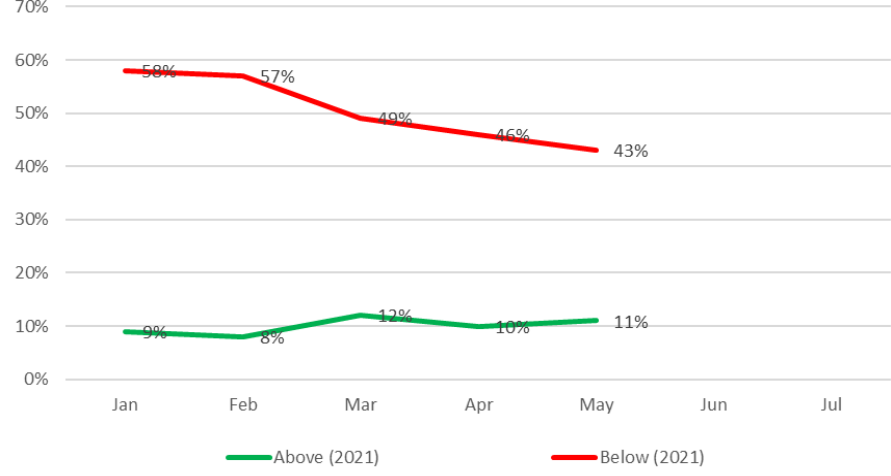
C2Q23 Growth Expectations



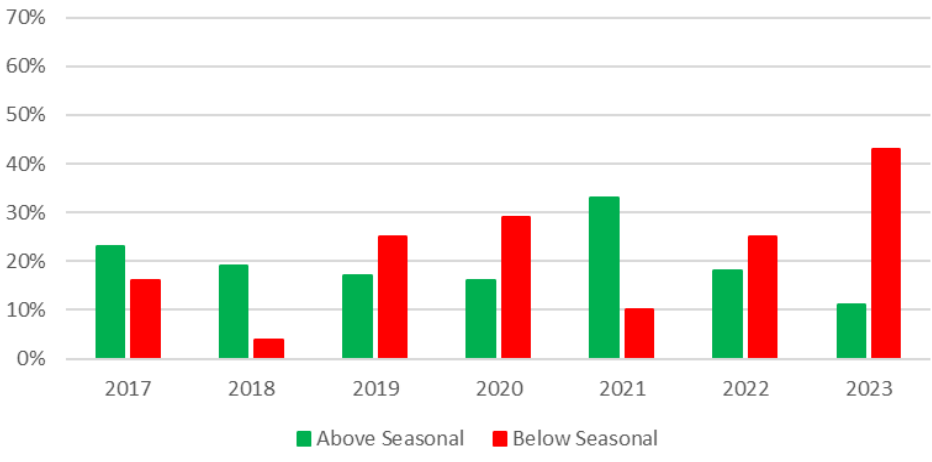
C2Q Growth Expectations vs. C1Q



C2Q23 Seasonality Expectations

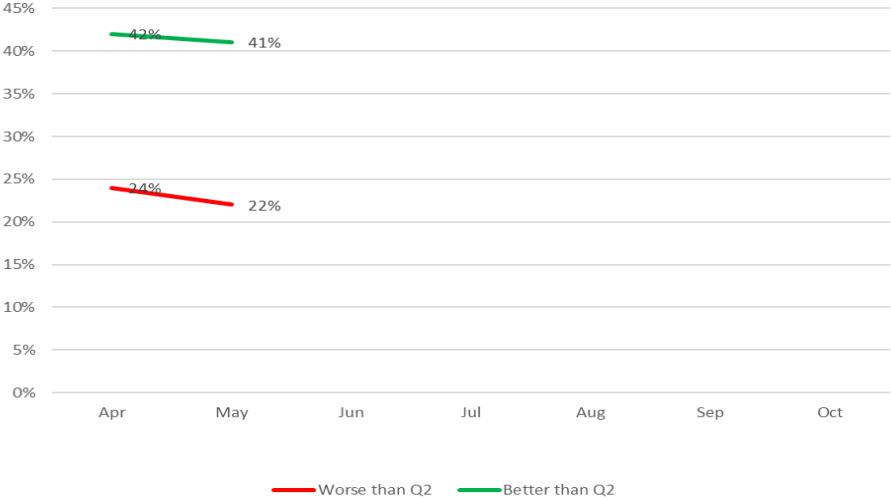


C2Q Seasonality Expectations

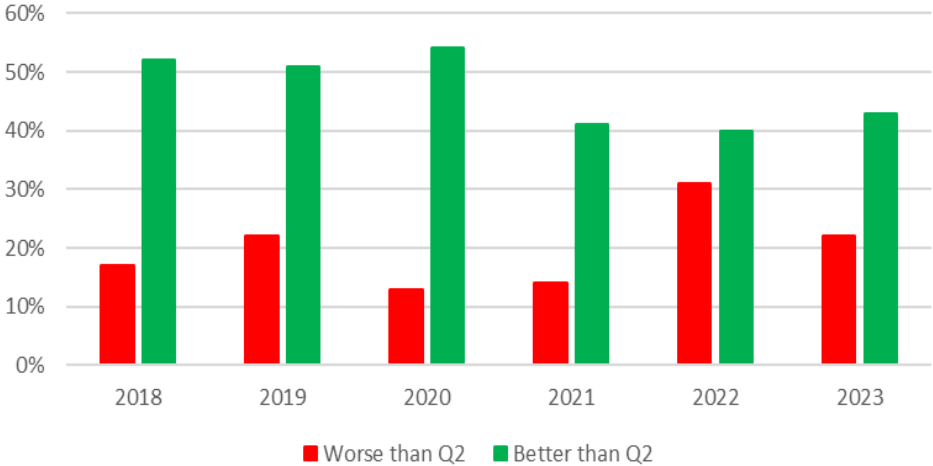


C3Q23 Outlook

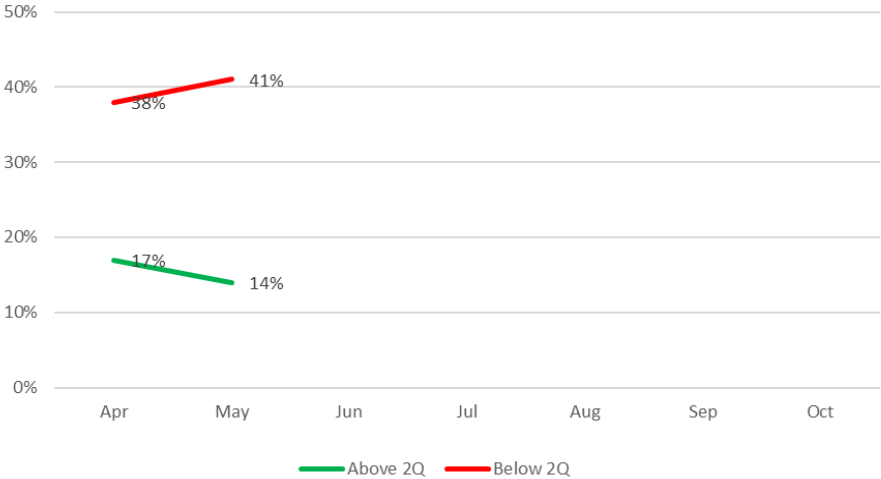
C3Q23 Growth Expectations



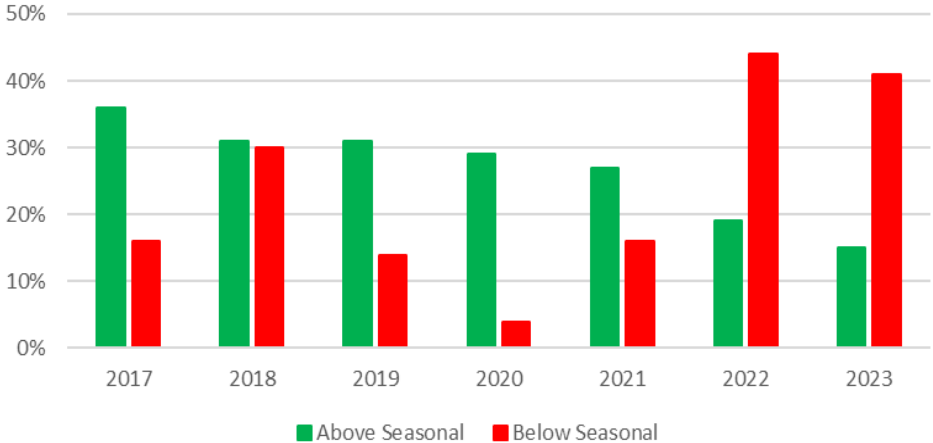
C3Q Growth Expectations vs. C2Q



3Q23 Seasonality Expectations

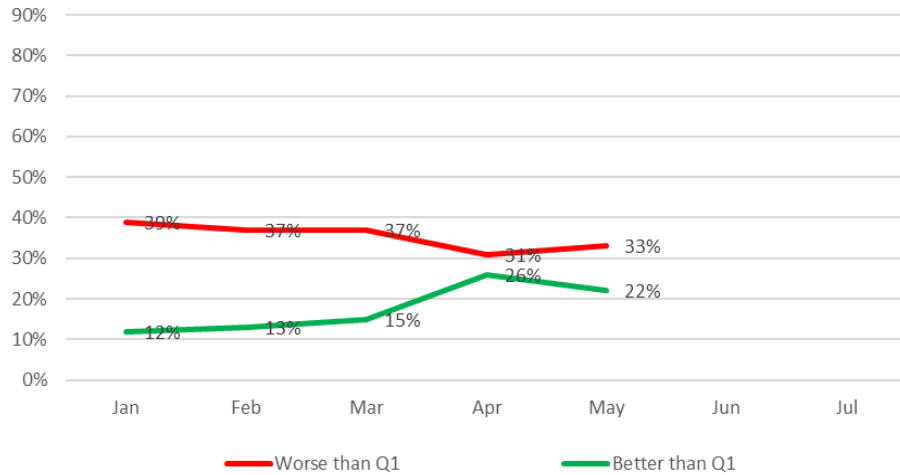


C3Q Seasonality Expectations

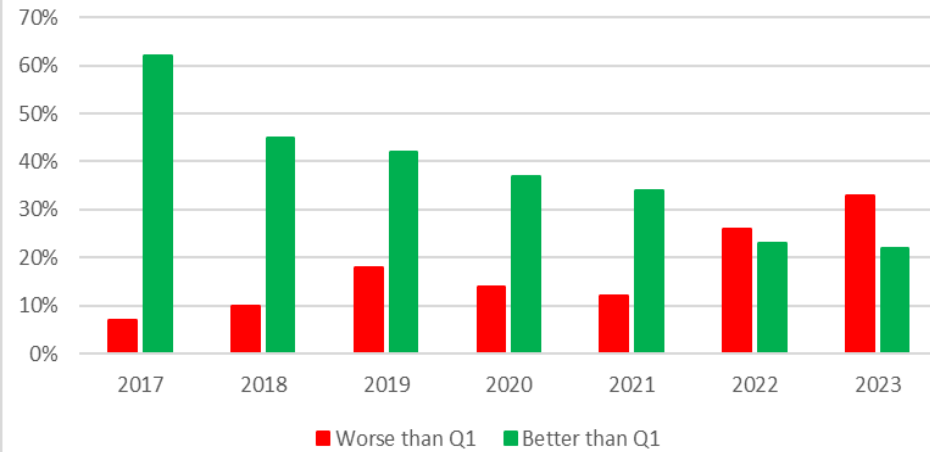


Bookings Outlook

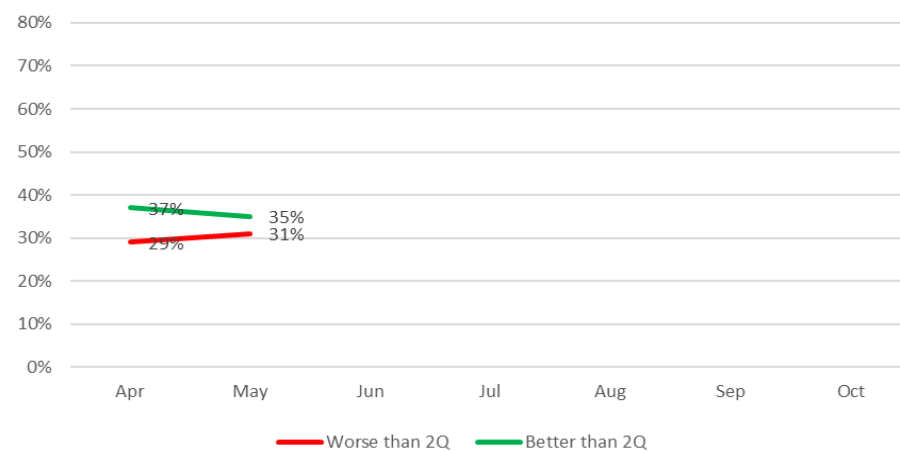
C2Q23 Bookings Expectations



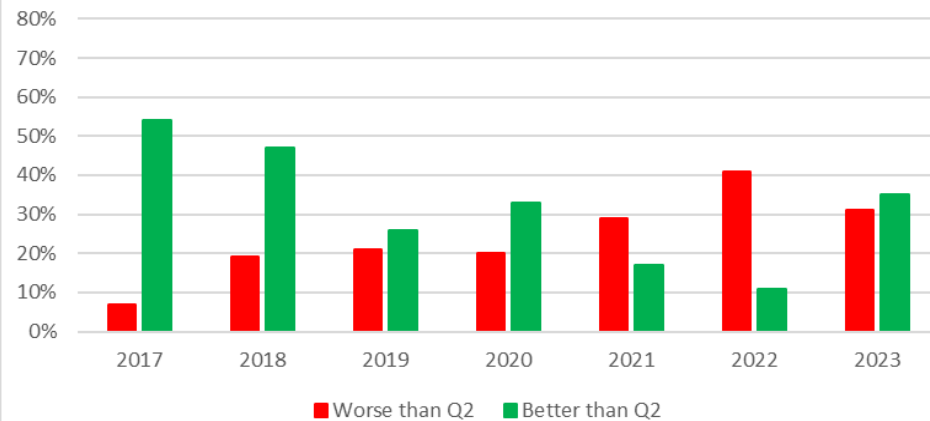
C2Q Bookings Expectations



C3Q23 Bookings Expectations

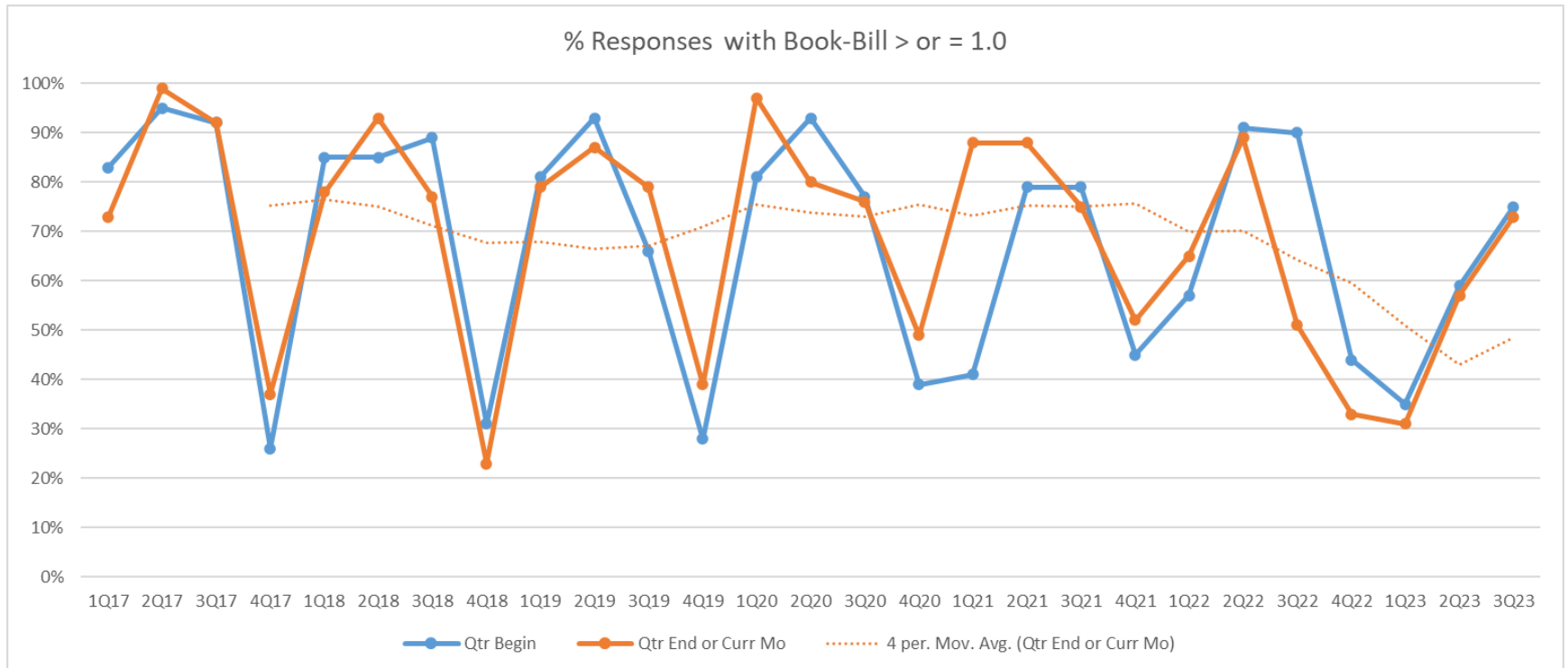


C3Q Bookings Expectations



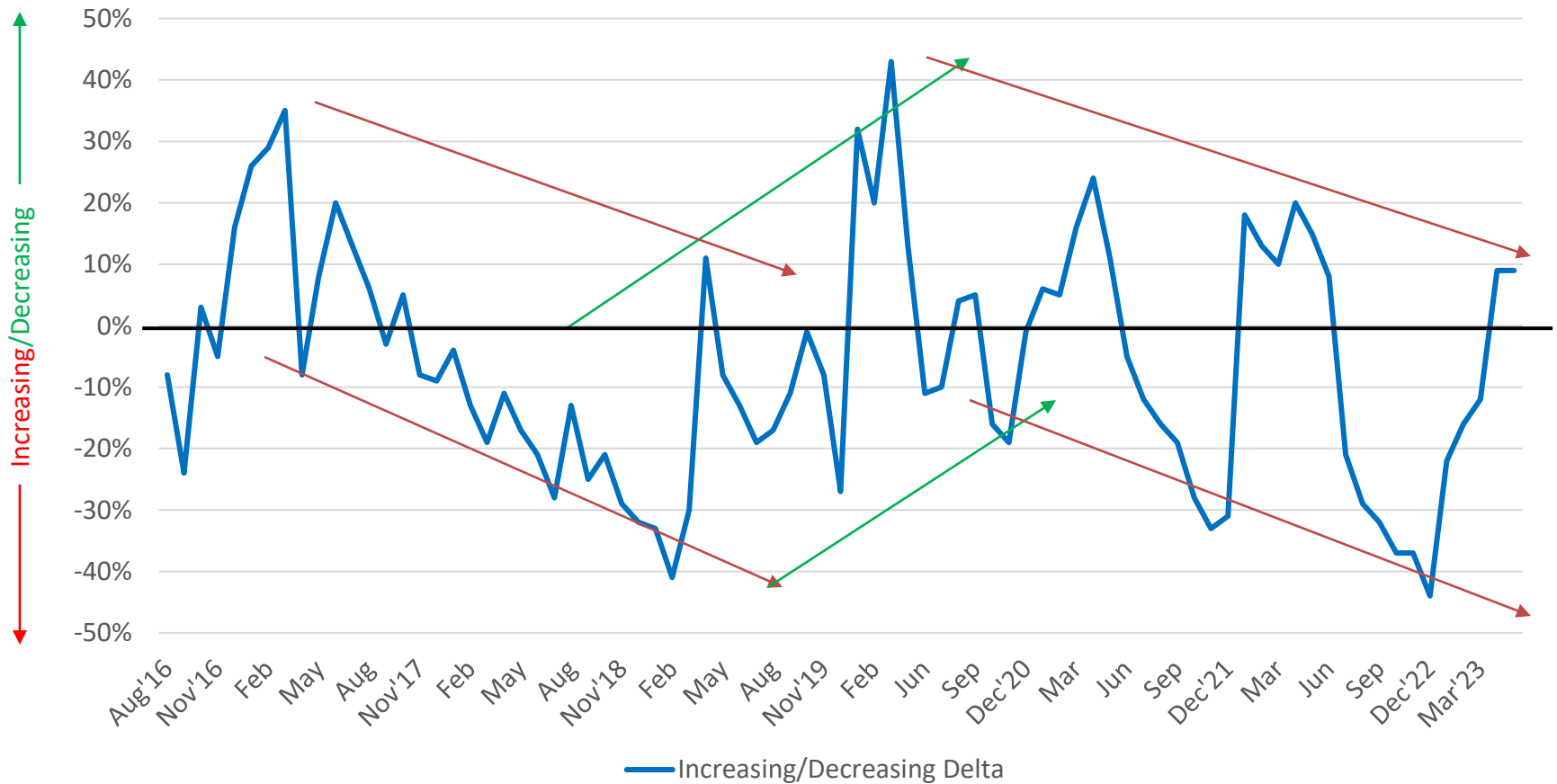
Book to Bill History & Trends

(Calendar quarters)



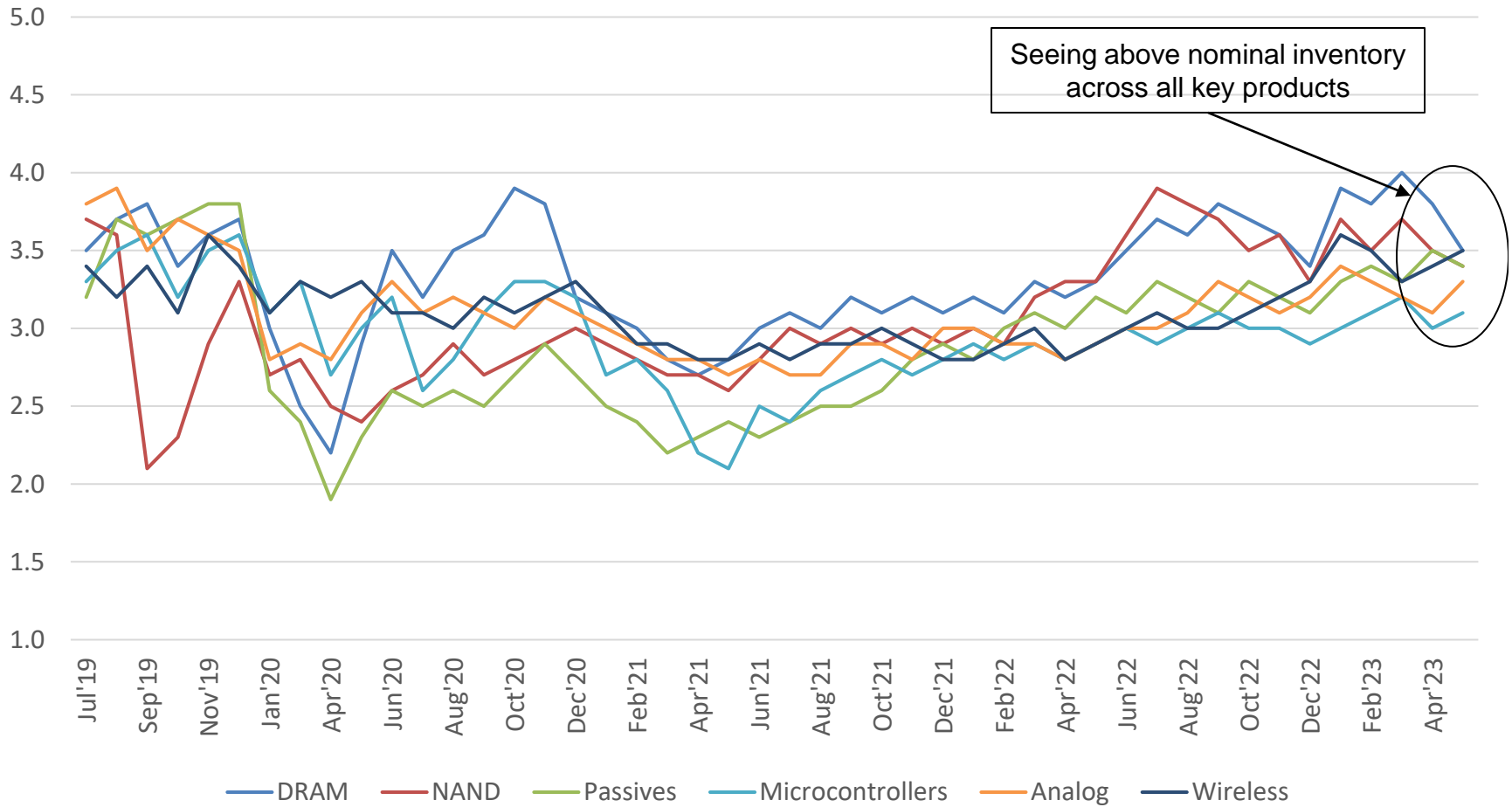
Backlog Order Push Outs/Cancellations vs. 30 Days Ago

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



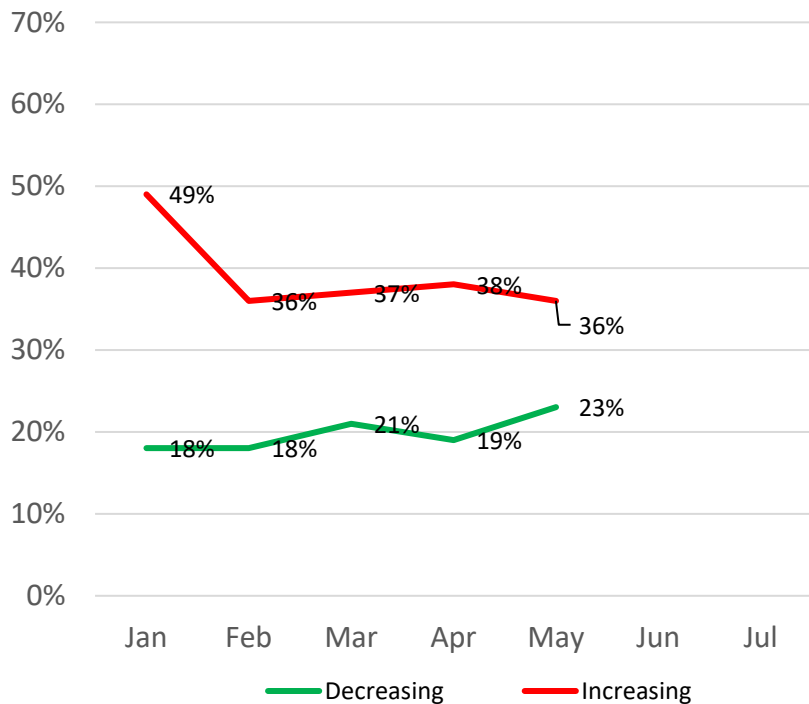
Inventory Status

(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?)

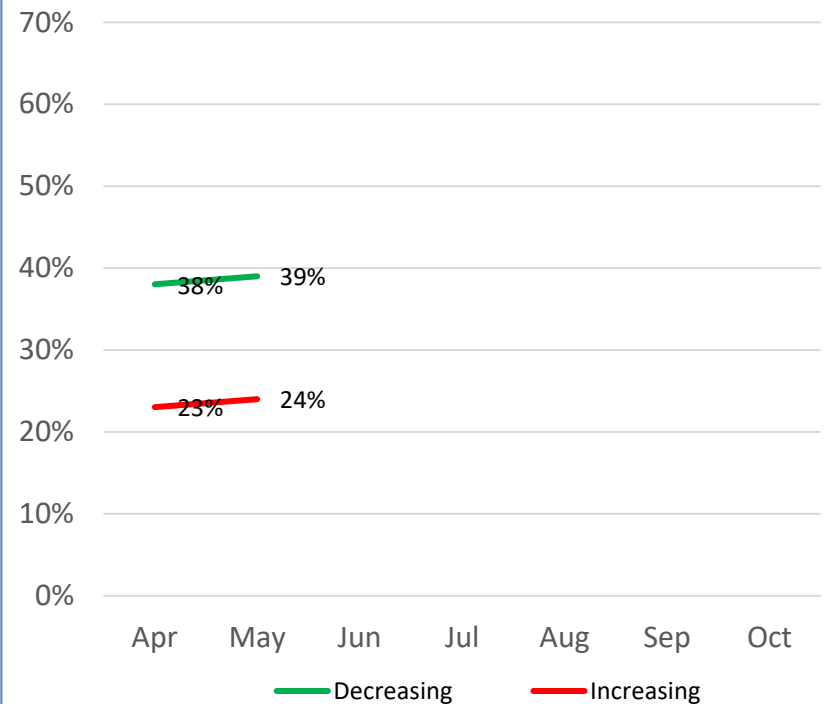


Q/Q Inventory Growth

C2Q23 Inventories vs. C1Q23

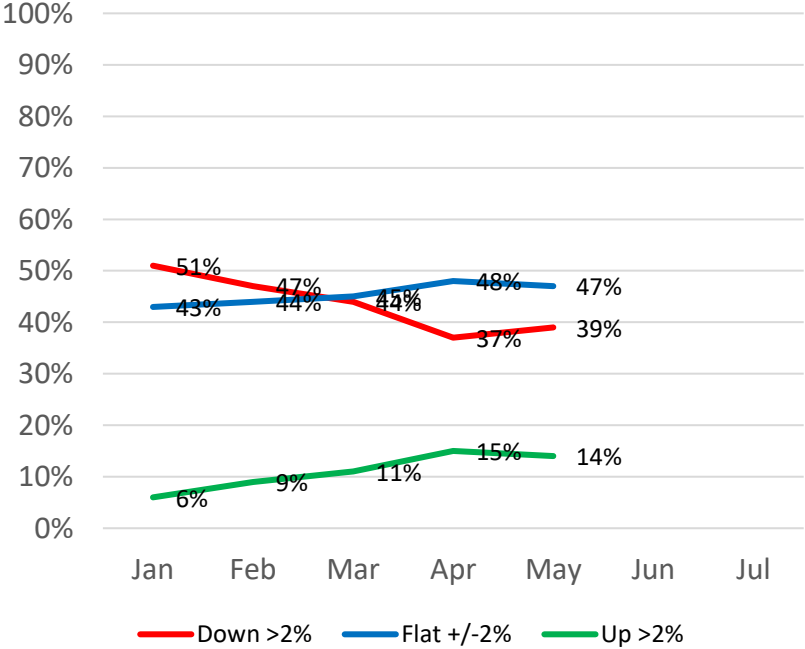


C3Q23 Inventories vs. C2Q23

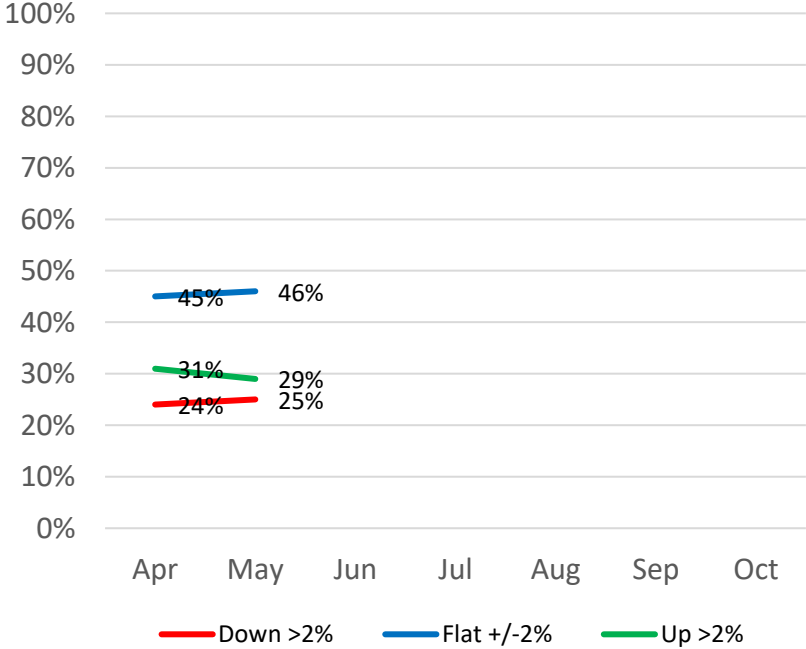


Q/Q Pricing Trends

C2Q22 Pricing vs. C1Q22



C3Q23 Pricing vs. C2Q23



Vertical Outlook

