

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

July/August 2023

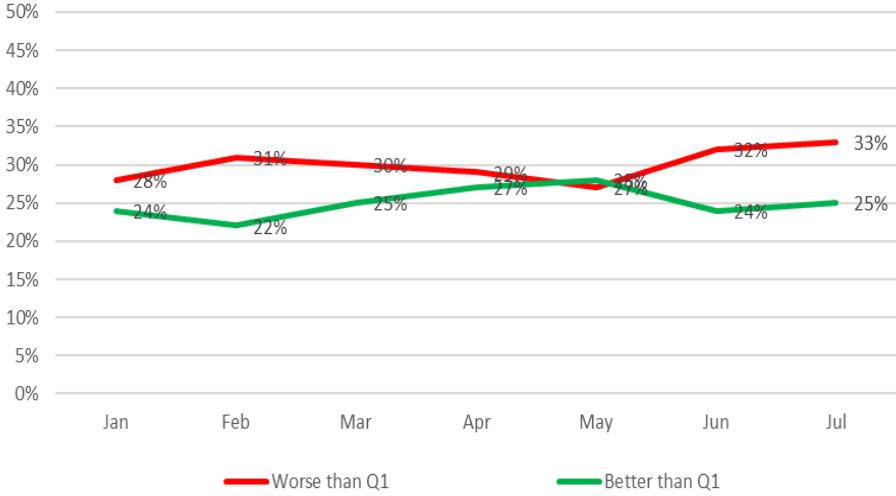
TPC July/August 2023 Survey Summary

*Survey Date: 8/10-13 Respondents: ~8,200 Location: Worldwide (~80% Asia) Who: Active Electronics Industry Professionals
Response Composition (multiple choices): Industrial 39%, Auto 20%, Comm 20%, Computing 17%, Mobile 25%, Data Ctr 19%, Other 18%*

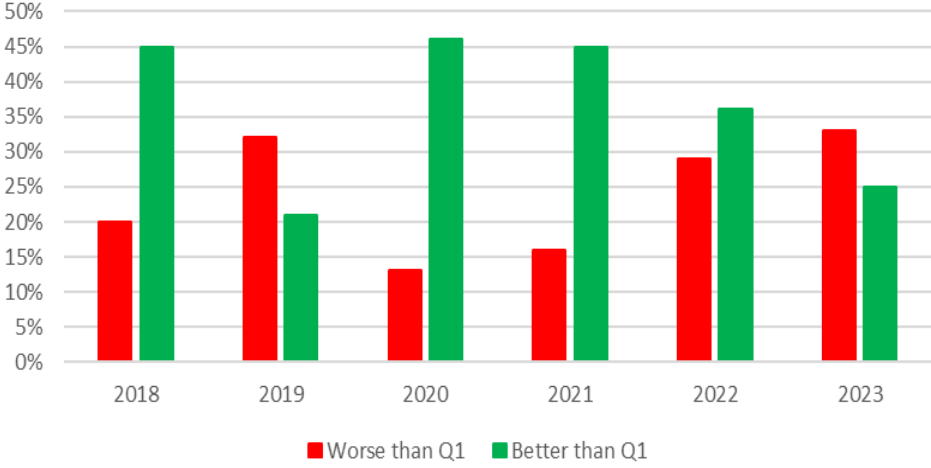
- We recently completed our monthly survey (~8,200 respondents) which saw few changes in how C2Q finished but saw slight improvements to C3Q. Additionally, our initial results for C4Q show a better outlook than last year. The bookings for both C2Q and C3Q also showed slight improvements. We continue to believe these results is an indication of supply chain inventories still being too high and end customers attempting to bring them under control. We believe this will take them 2+ quarters to accomplish this as end demand is still anemic.
- The backlog cancellation expectations (slide 8) showed continued its sideways movement but remains above the “positive” trend line.
- We believe we are at a bottom but will not be able to substantially recover until inventory is delt with.
- The survey showed C2Q23 roughly the same vs. last month with 33% seeing the quarter being worse vs. 32% previously; while only 25% see it as better vs. 24% last month.
- The survey showed C3Q23 improved vs. last month with 40% seeing the quarter being better vs. 39% previously; while 25% see it as worse vs. 26% last month.
- Key product inventory and availability (slide 9) roughly the same across all key products and are now at nominal levels.
- Both C2Q and C3Q inventory growth outlook trend (slide 10) showed net increasing inventories vs. last month.
- Pricing trends (slide 11) for C3Q was worse vs. last month’s survey. Again, we think this is indicative of excess inventory and some suppliers lowering pricing to encourage customers to take product.

C2Q23 Outlook

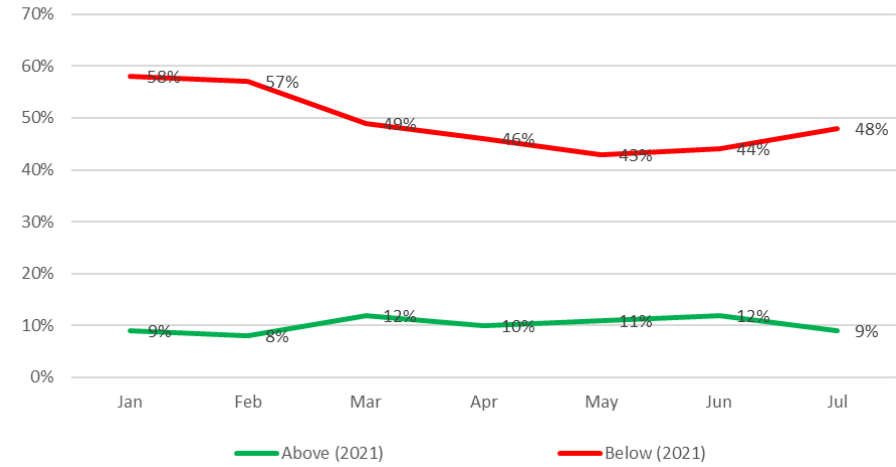
C2Q23 Growth Expectations



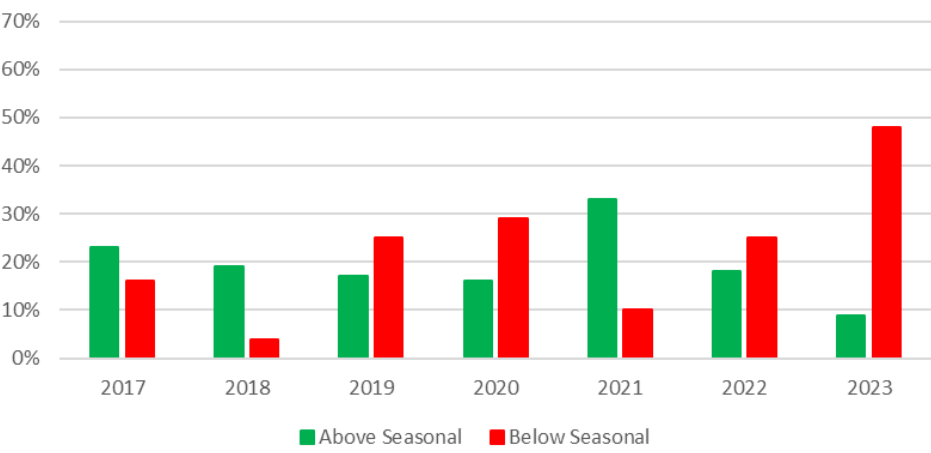
C2Q Growth Expectations vs. C1Q



C2Q23 Seasonality Expectations

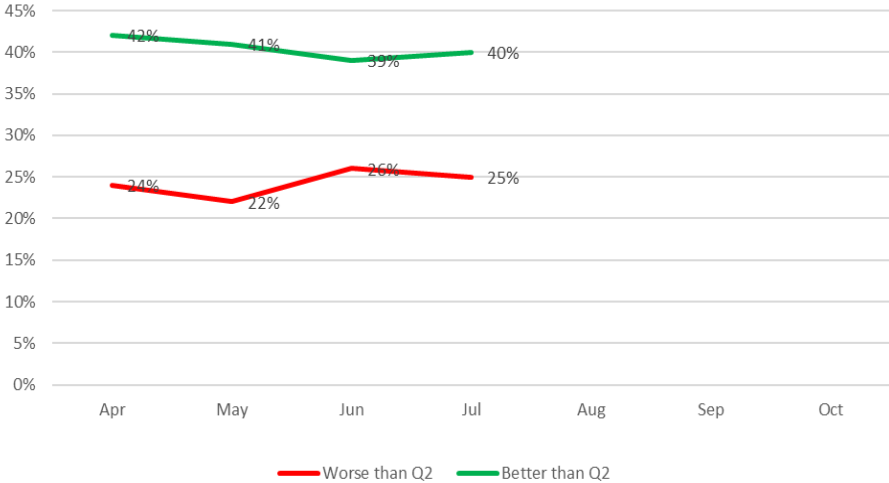


C2Q Seasonality Expectations

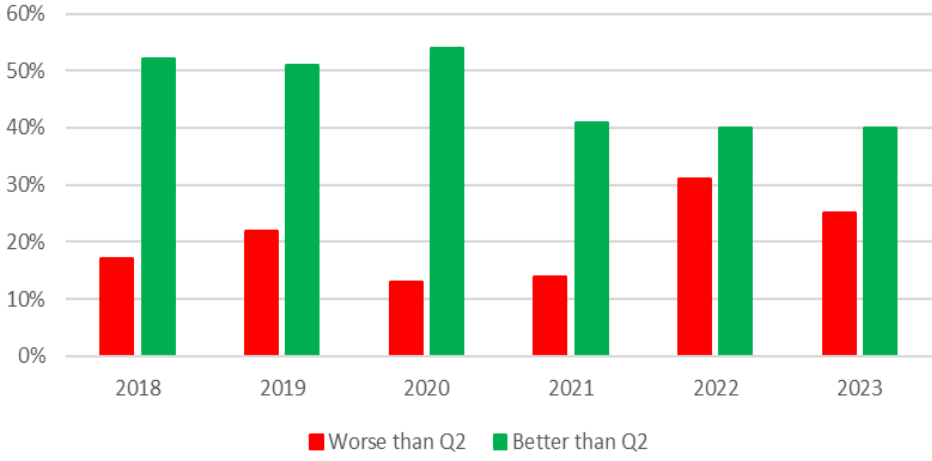


C3Q23 Outlook

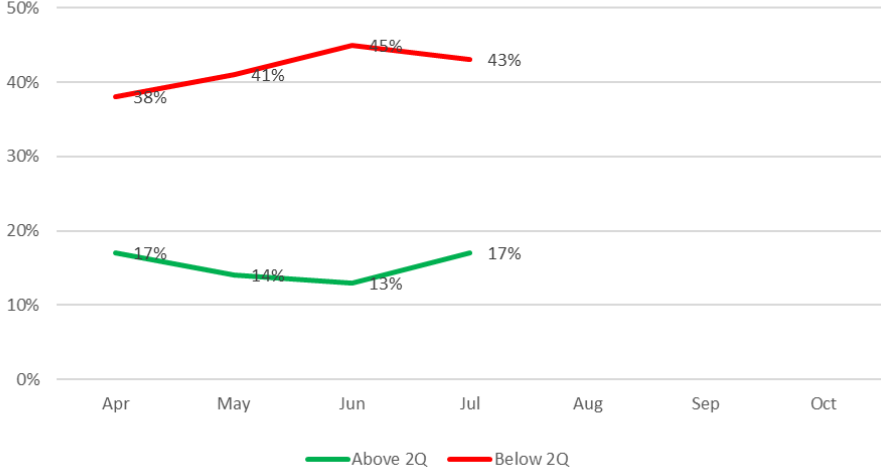
C3Q23 Growth Expectations



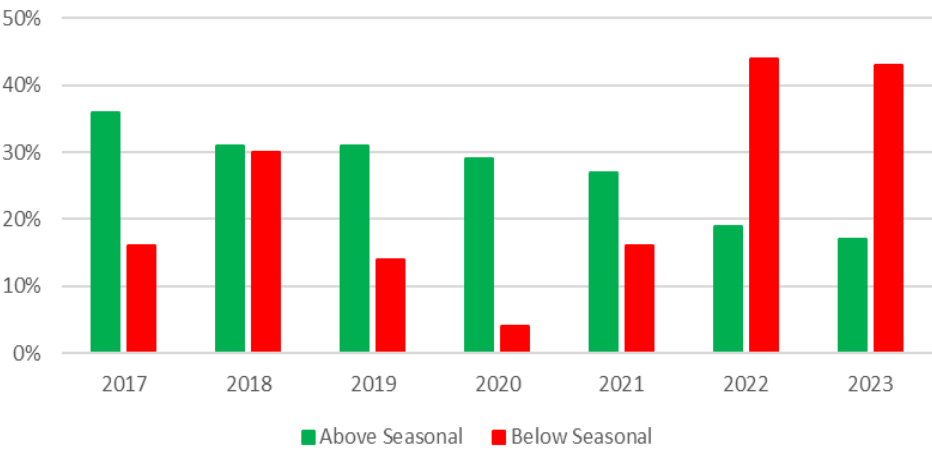
C3Q Growth Expectations vs. C2Q



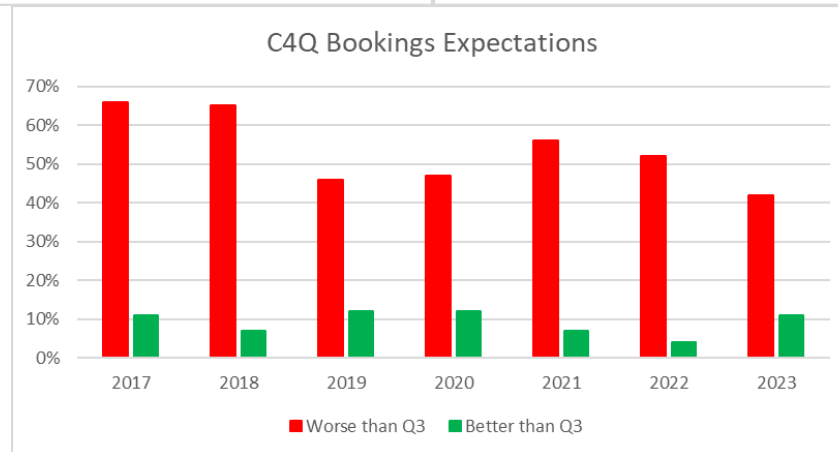
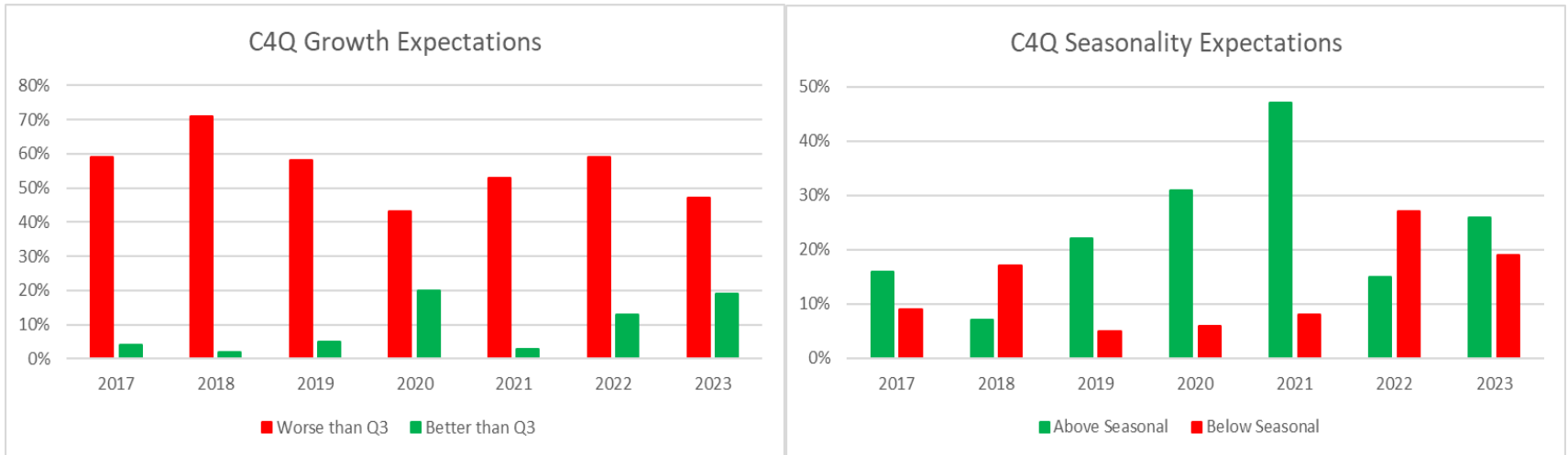
3Q23 Seasonality Expectations



C3Q Seasonality Expectations

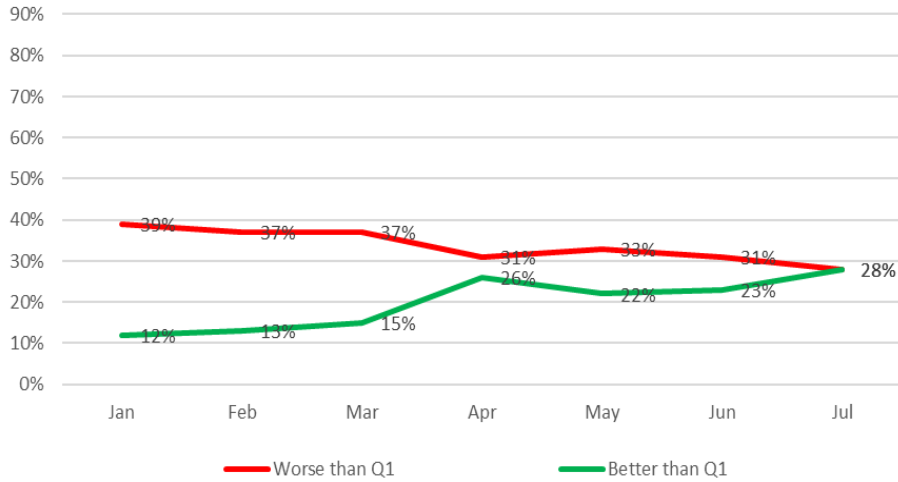


C4Q23 Initial Outlook

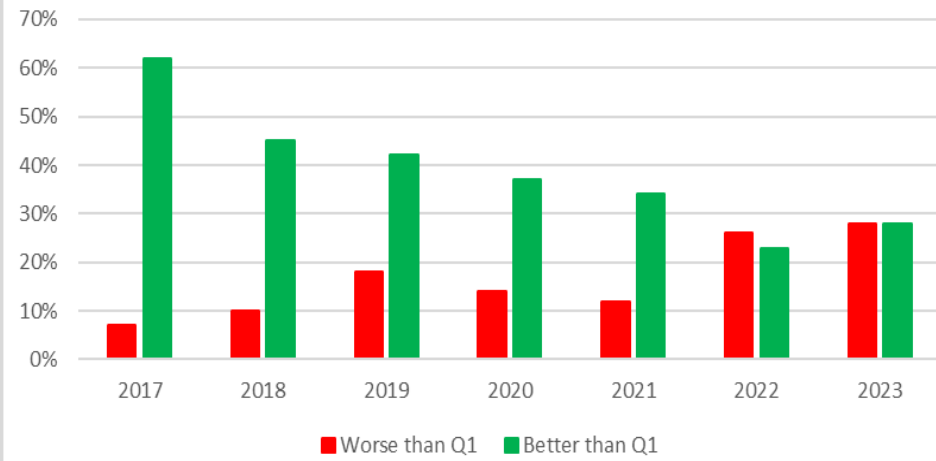


Bookings Outlook

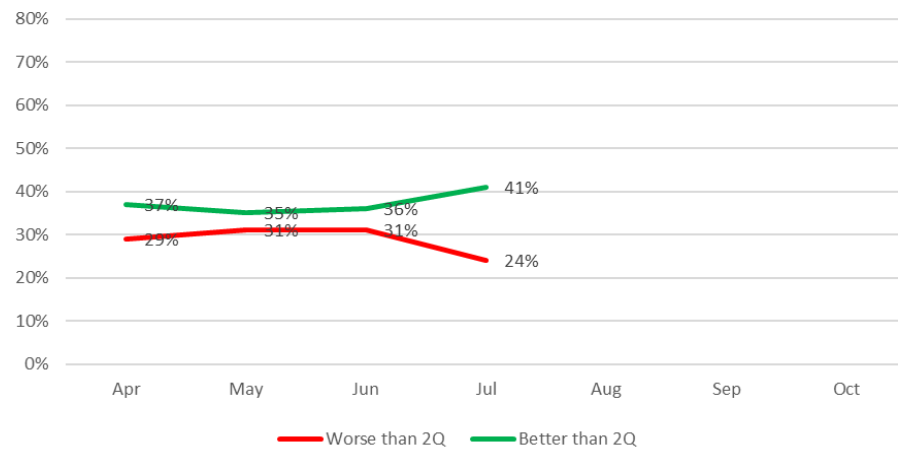
C2Q23 Bookings Expectations



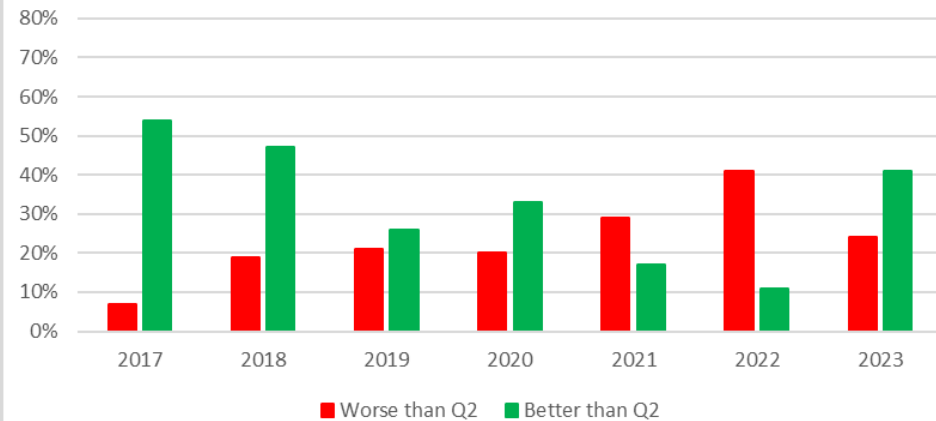
C2Q Bookings Expectations



C3Q23 Bookings Expectations

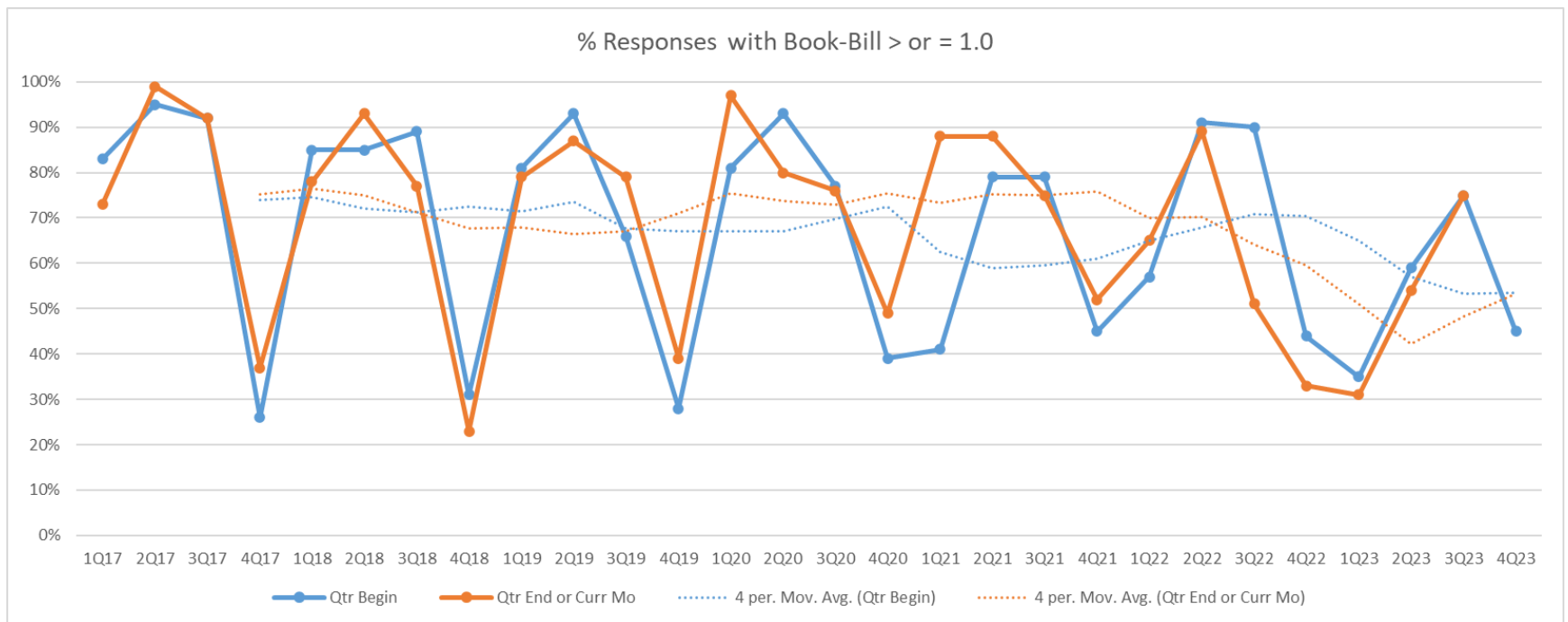


C3Q Bookings Expectations



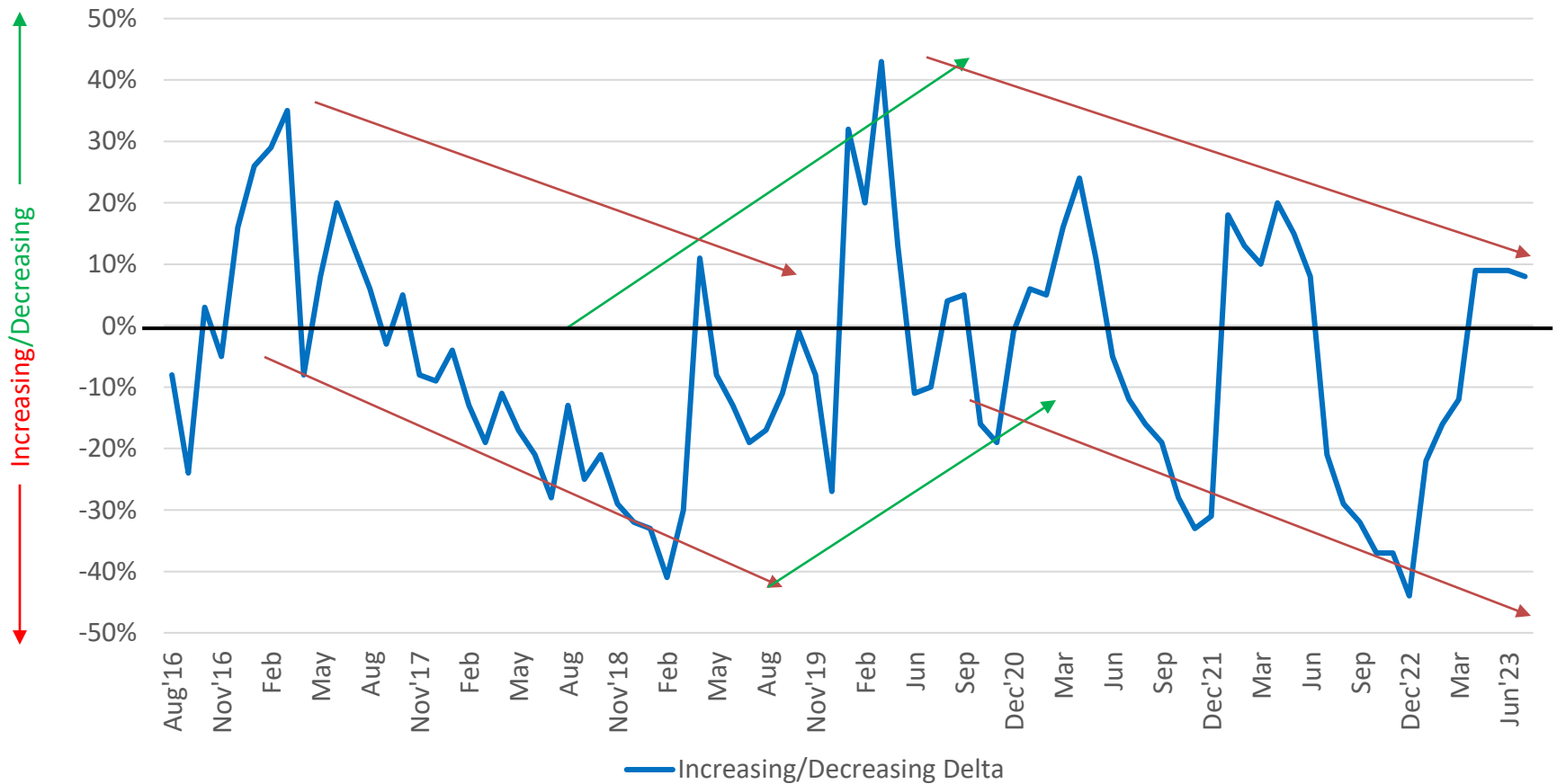
Book to Bill History & Trends

(Calendar quarters)



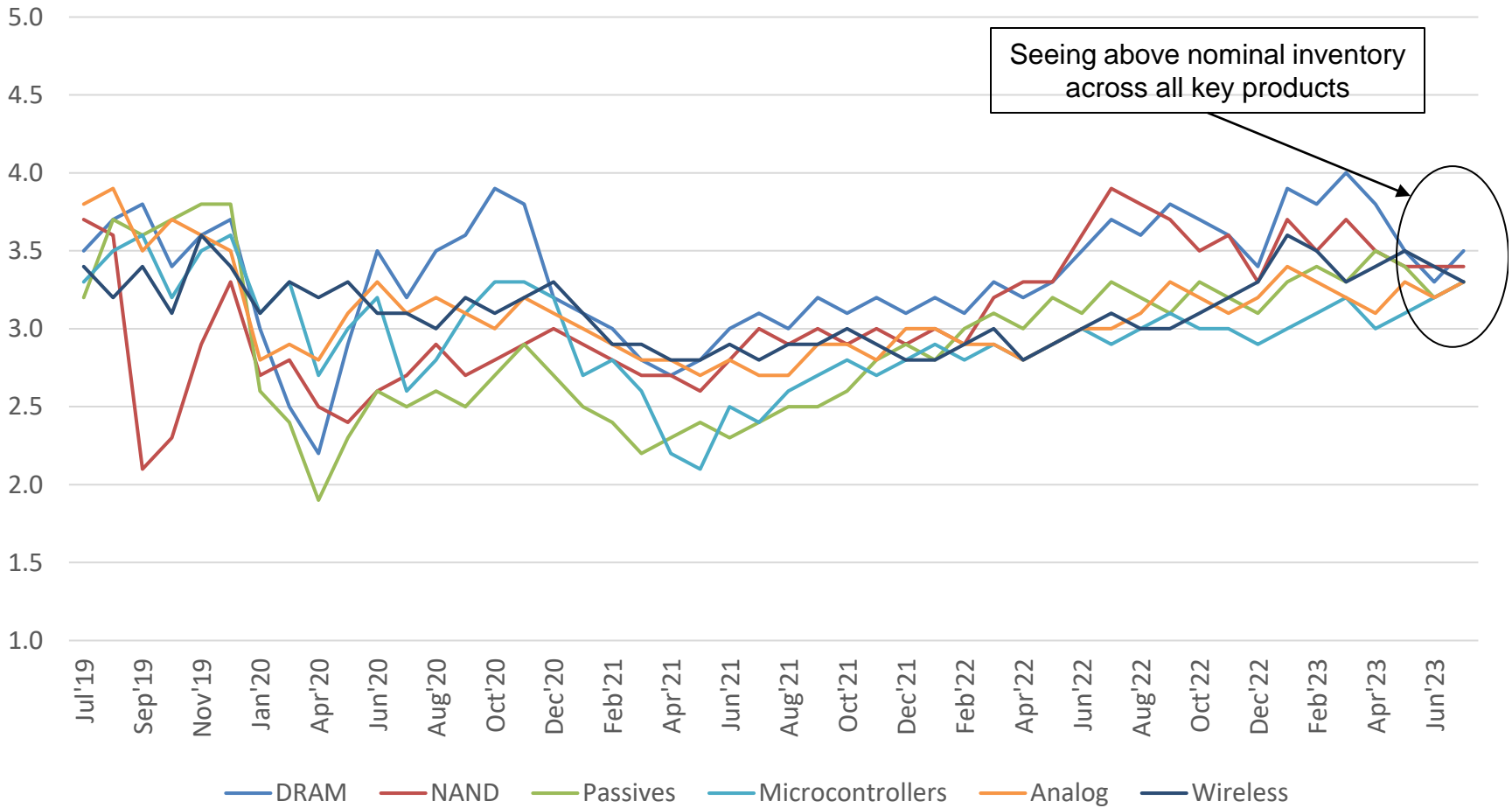
Backlog Order Push Outs/Cancellations vs. 30 Days Ago

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



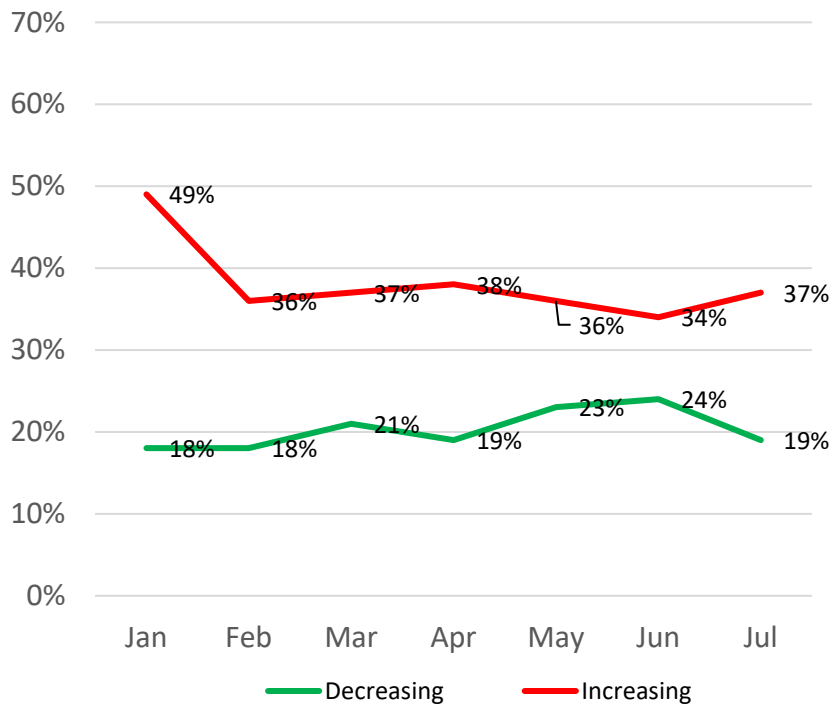
Inventory Status

(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?)

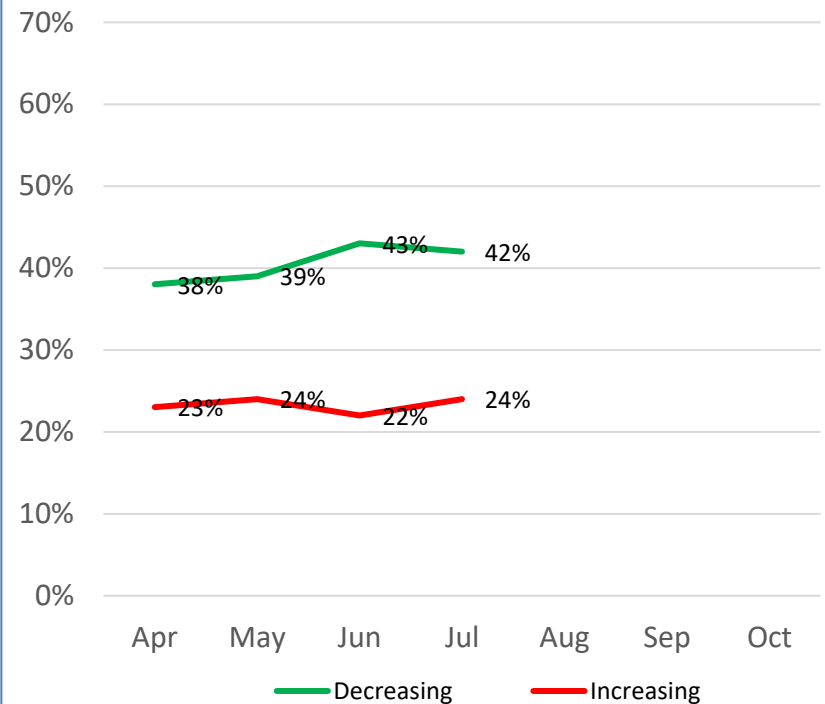


Q/Q Inventory Growth

C2Q23 Inventories vs. C1Q23

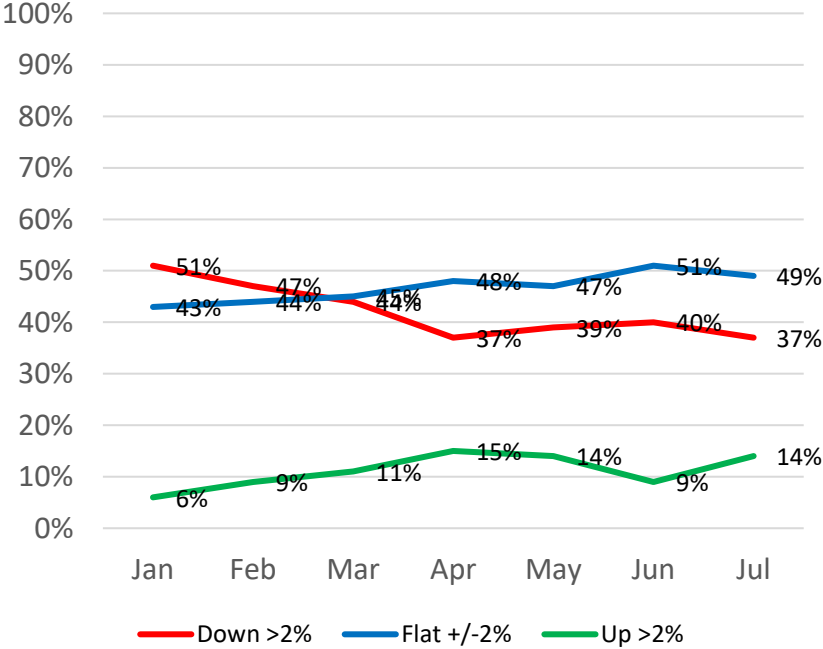


C3Q23 Inventories vs. C2Q23

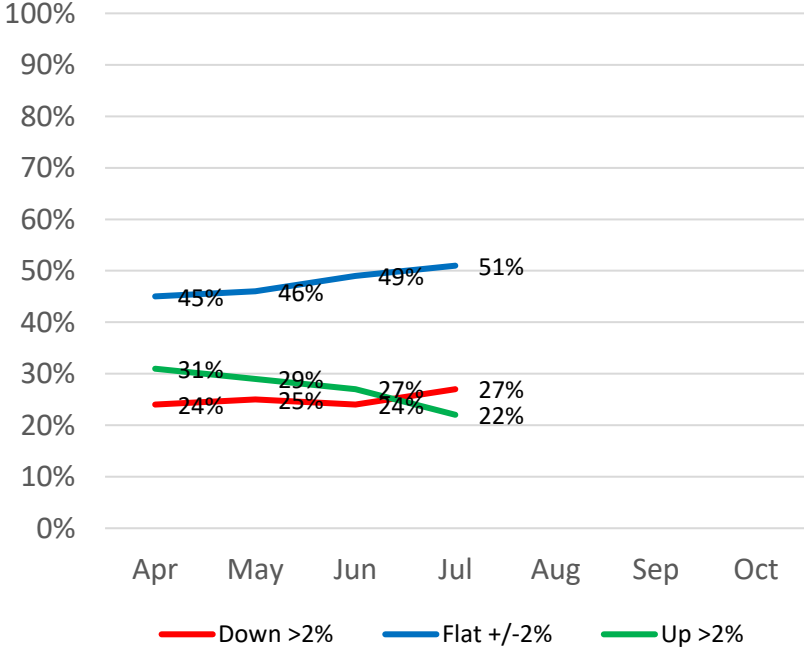


Q/Q Pricing Trends

C2Q22 Pricing vs. C1Q22



C3Q23 Pricing vs. C2Q23



Vertical Outlook

