# TPC Semiconductor Market Survey

April 2023

TPC March/April 2023 Survey Summary

Survey Date: 4/6-9 Respondents: ~9,100 Location: Worldwide (~80% Asia)   Who: Active Electronics Industry Professionals
Response Composition (multiple choices): Industrial 39%, Auto 23%, Comm 21%, Computing 19%, Mobile 24%, Data Ctr 19%, Other 21%

- We recently completed our monthly survey (~9,100 respondents) which saw slight improvements in both C1Q23's and C2Q23's outlook vs. last month. In addition, the bookings for both C1Q and C2Q showed slight improvements.

- Another positive indicator is the improvement in backlog cancellation expectations (slide 7). This has now shown 3 consecutive months of improvement, reversing a previous 9 month plus downward trend.

- We believe the above, shows we are at a bottom and starting to recover; albeit slow.

- The survey showed C1Q23 slightly improving vs. last month with 12% seeing the quarter being better vs. 8% previously; while 55% see it as worse vs. 58% last month.

- The survey also showed C2Q23 slightly better vs. last month with 25% seeing the quarter being better vs. 22% previously; while 30% see it as worse vs. 31% last month.

- Key product inventory and availability (slide 8) roughly the same across all key products and are now at nominal levels.

- The C2Q inventory growth outlook trend (slide 9) showed improvement vs. last month.

- Pricing trends (slide 10) for C2Q improved slightly vs. last month's survey.

- The outlook by vertical (slide 11) continues to show Automotive leading the way.
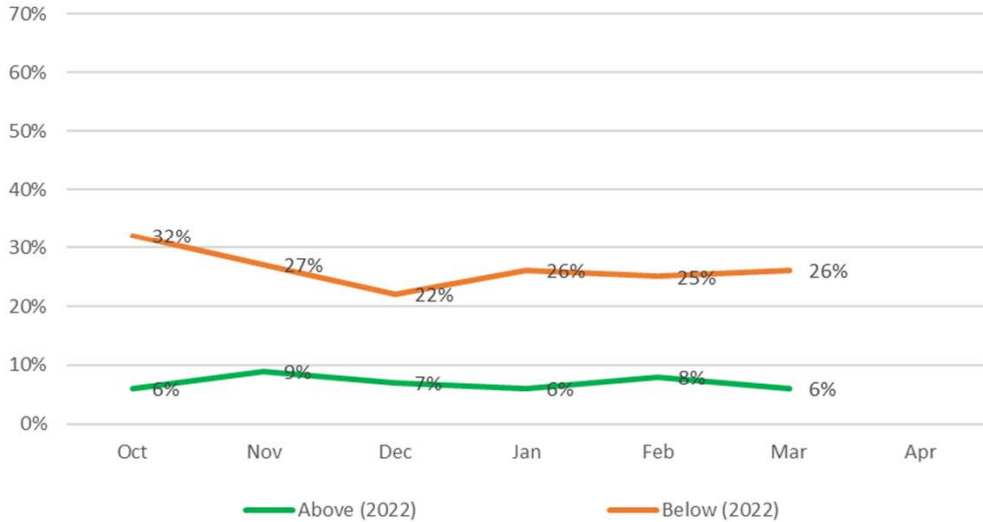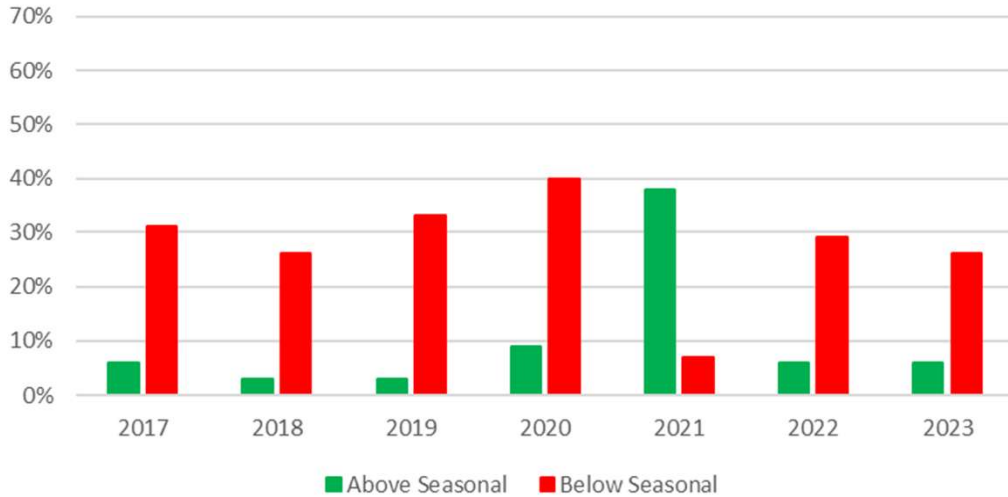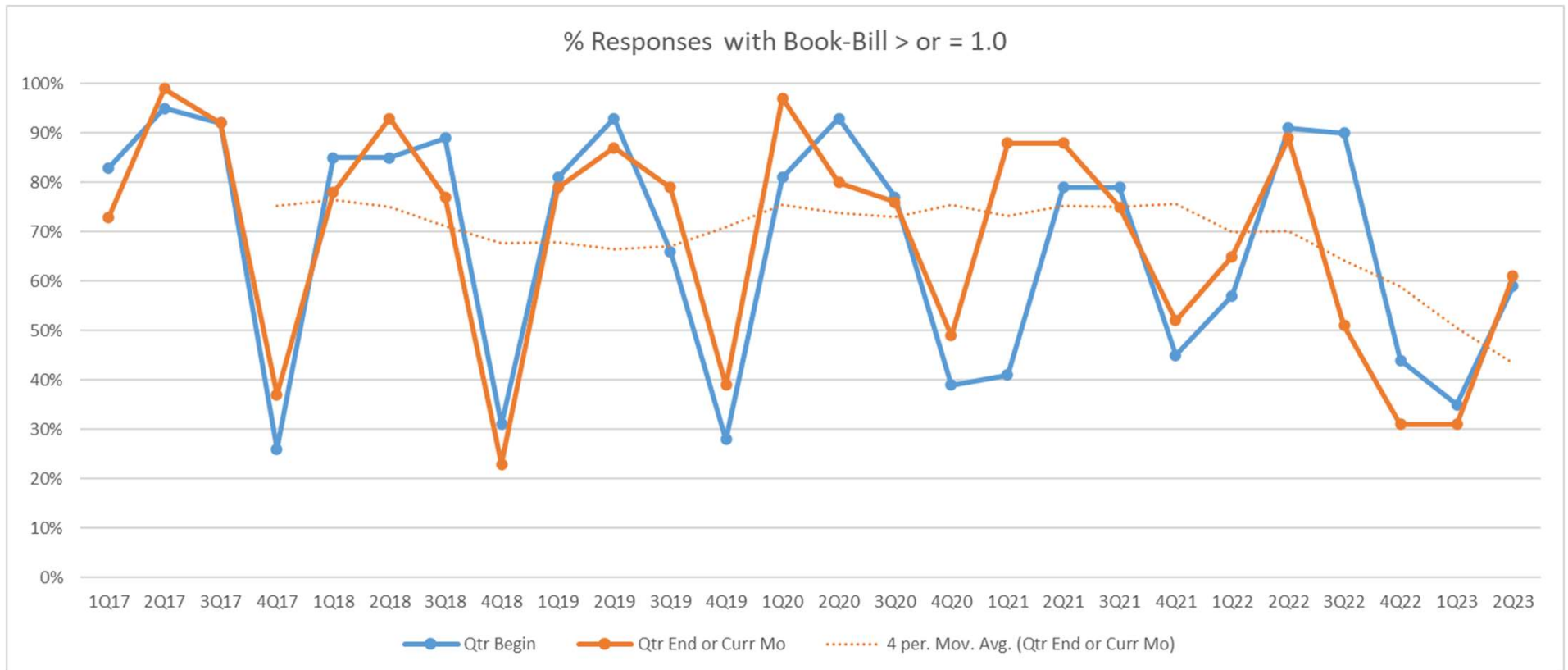
C1Q23 Outlook
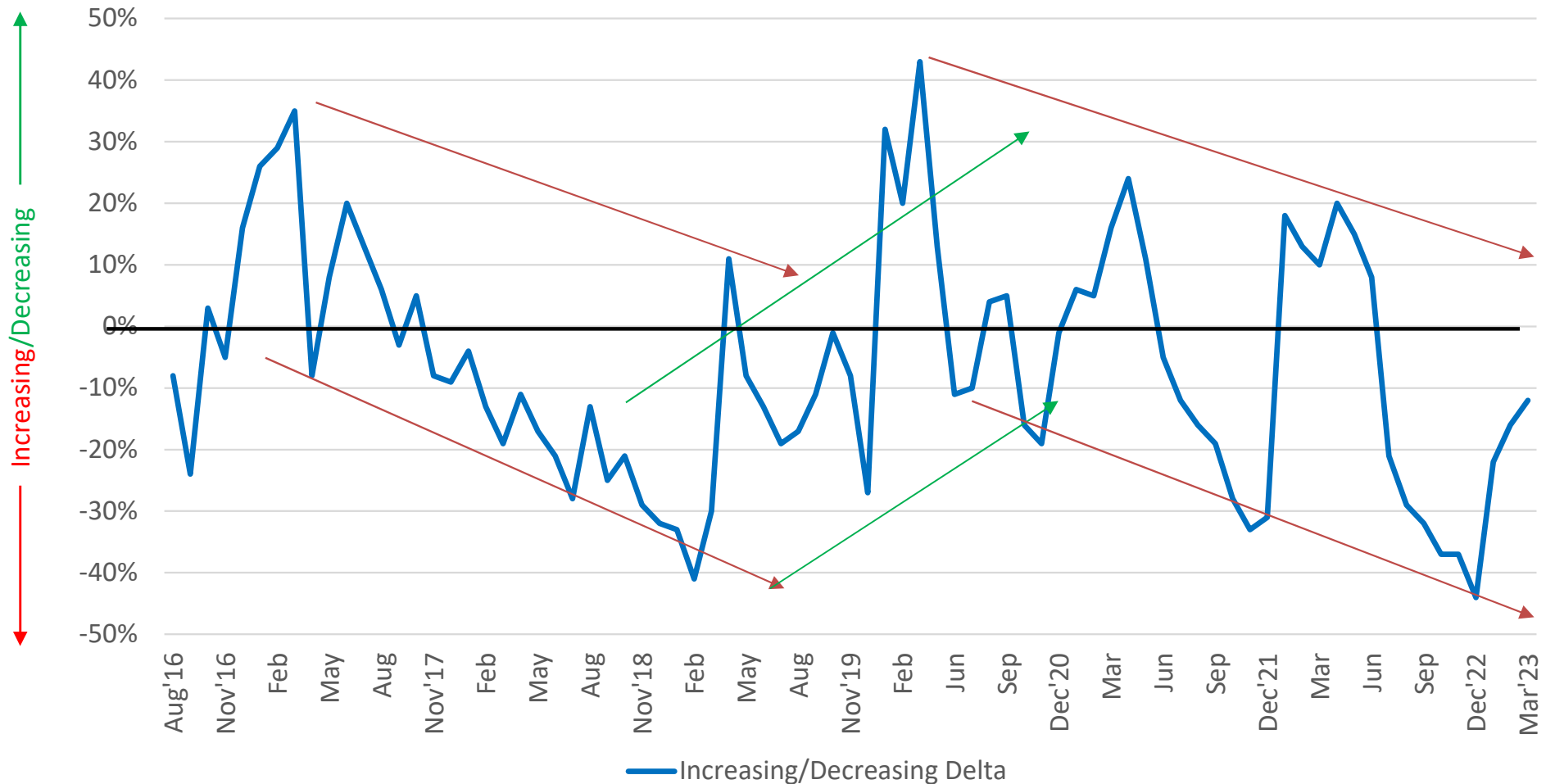
C2Q23 Outlook
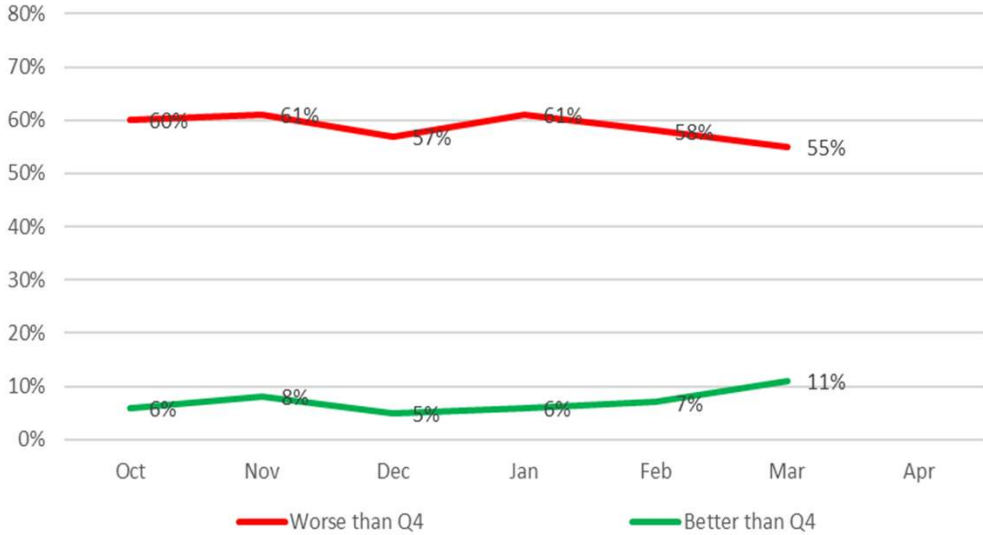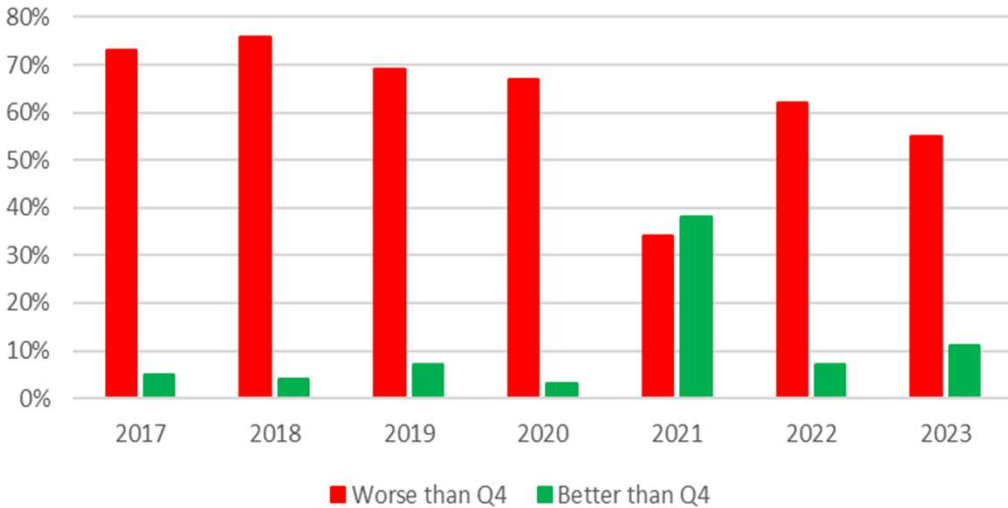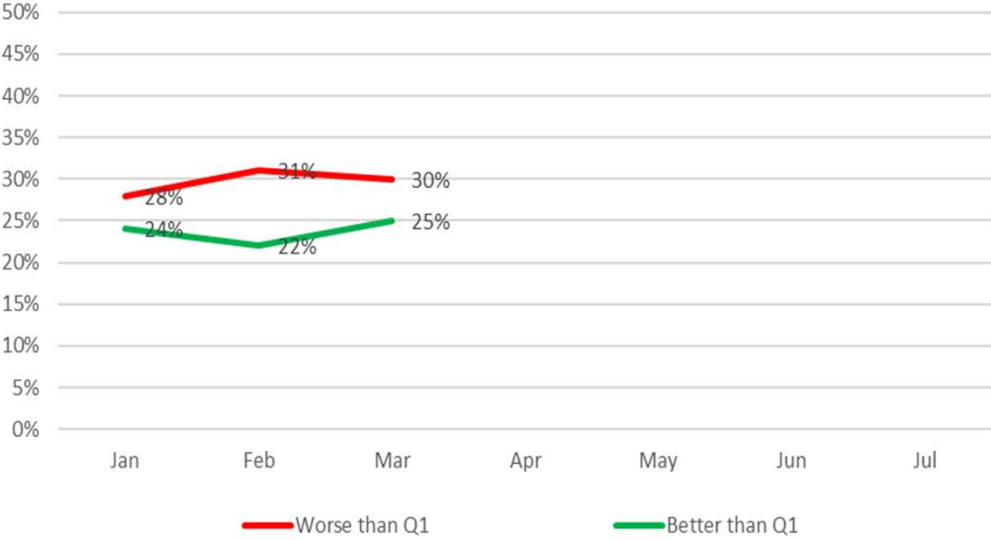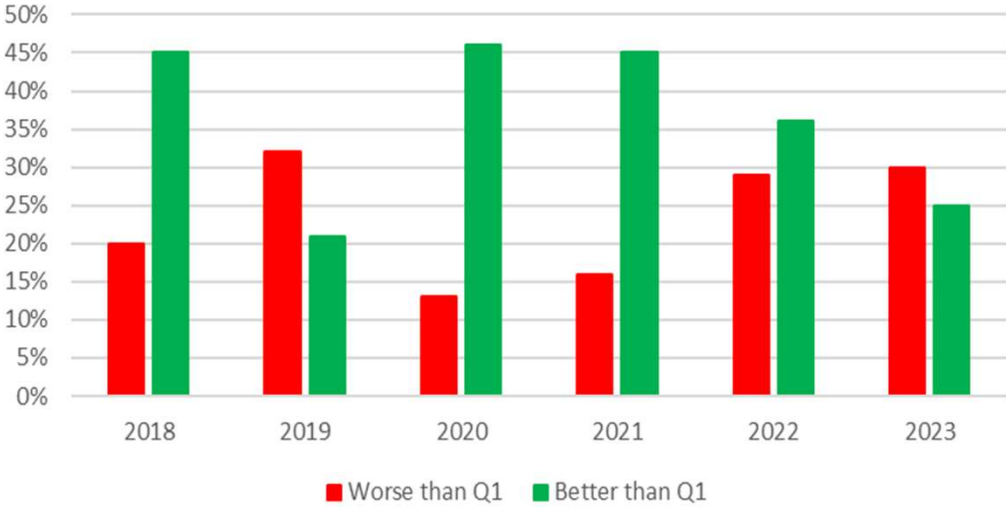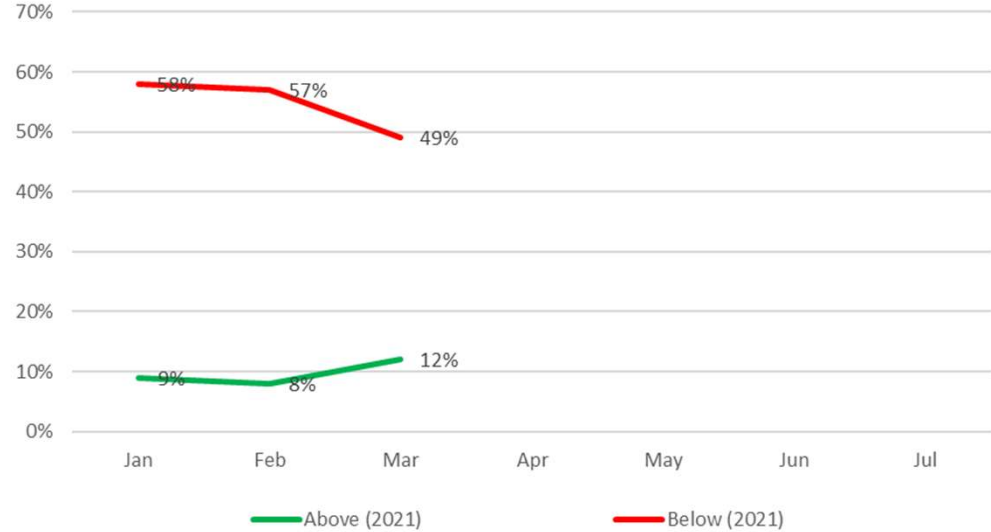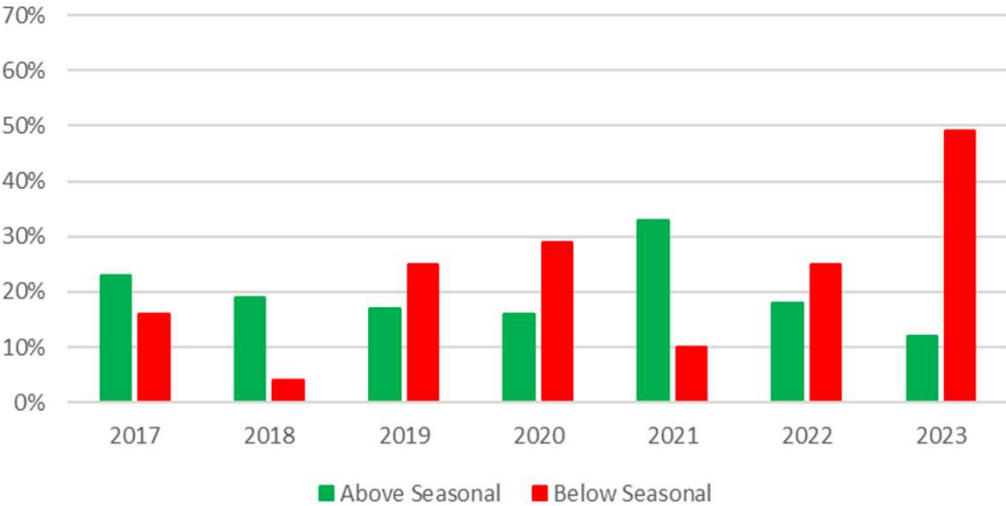
Bookings Outlook
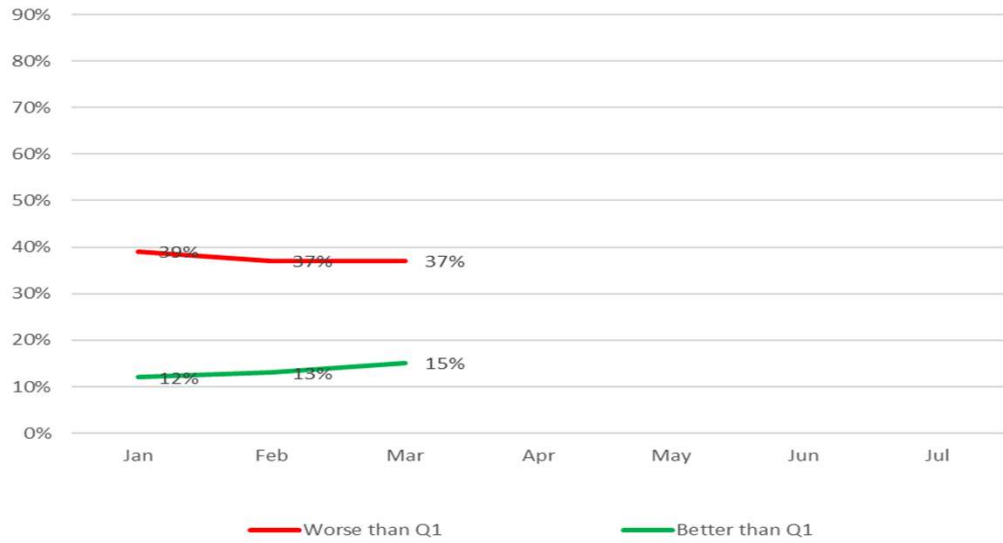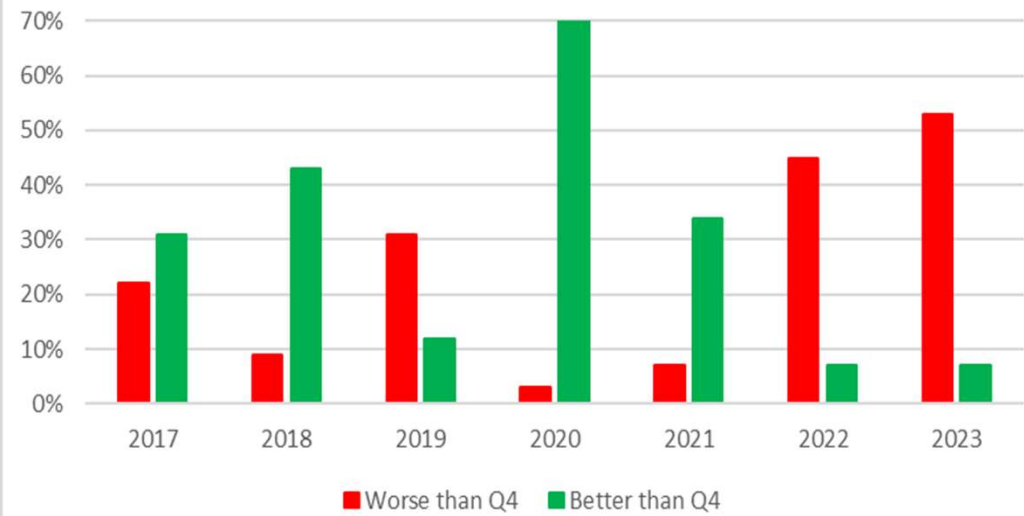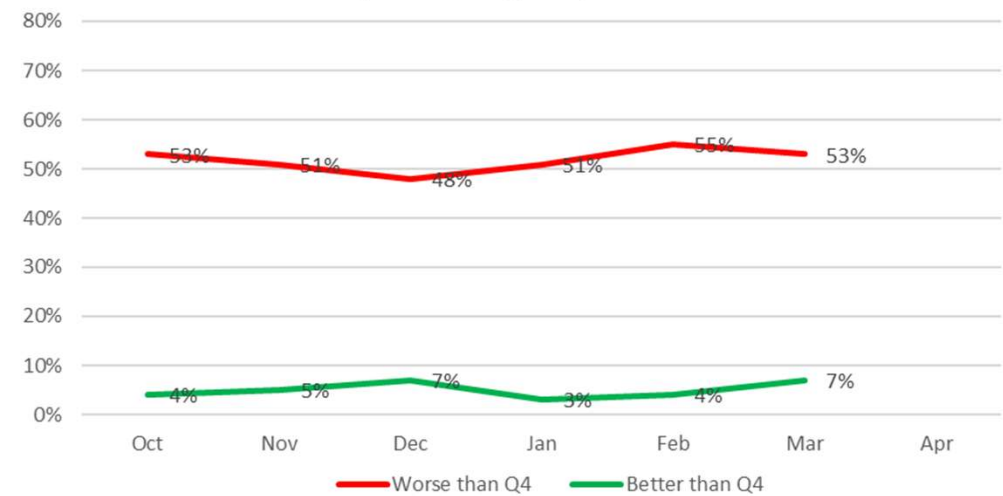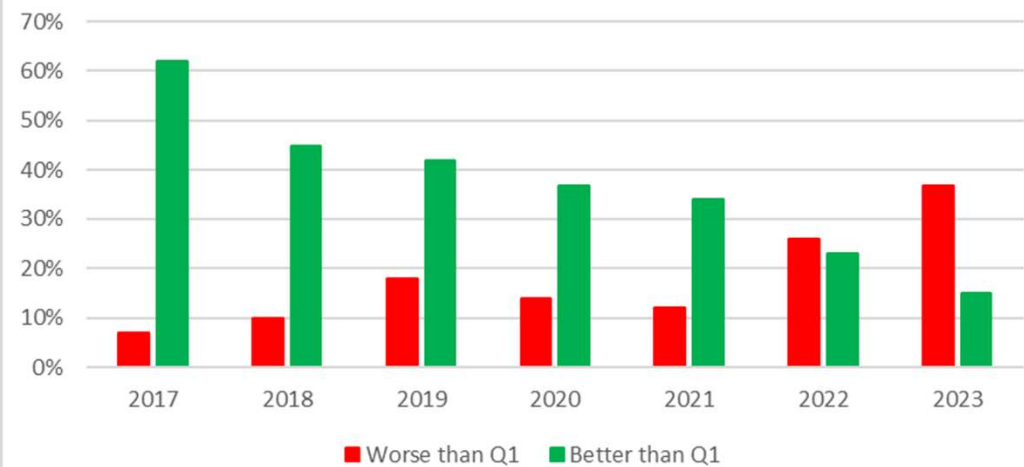
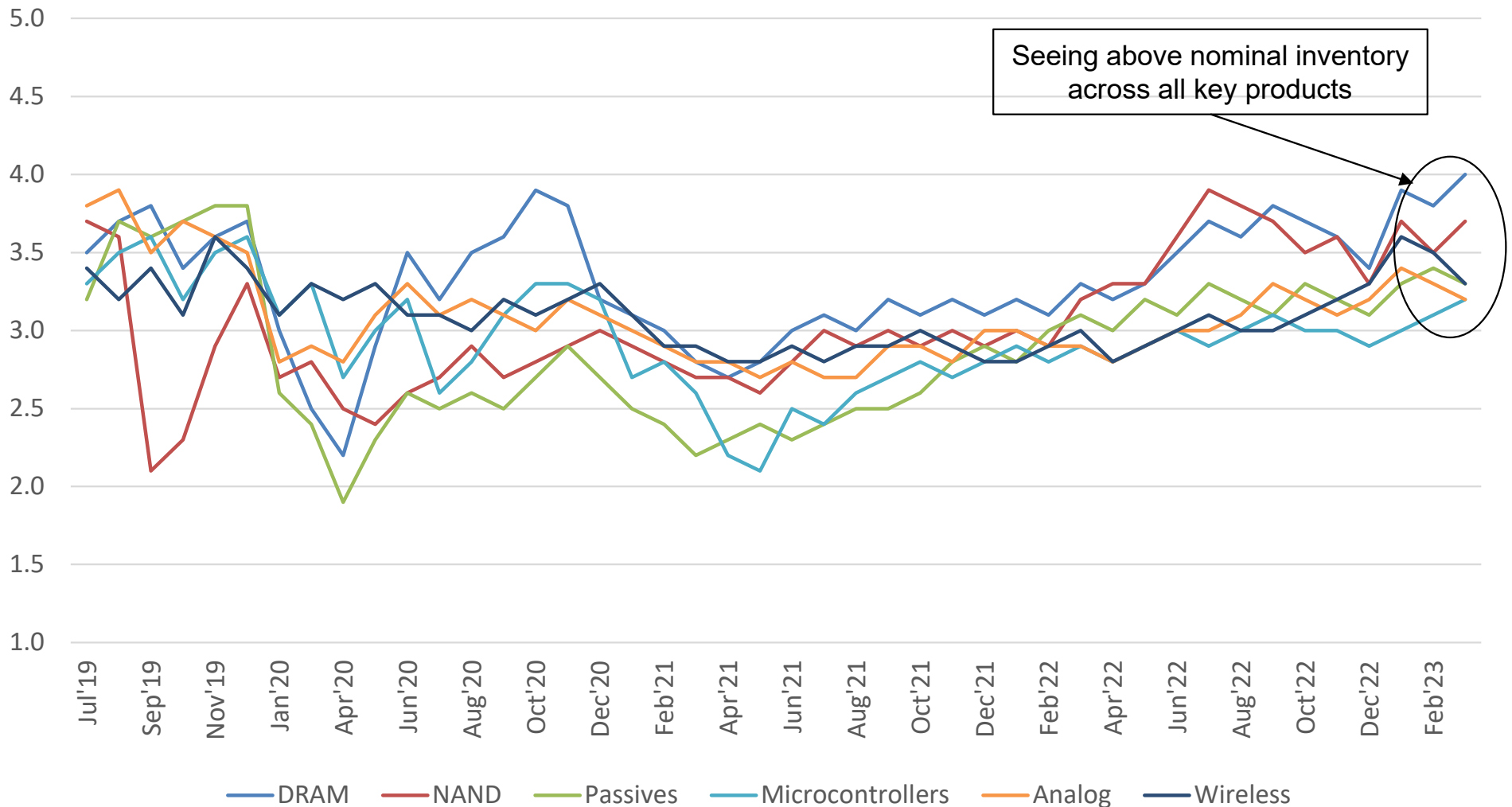# Book to Bill History & Trends

(Calendar quarters)

Backlog Order Push Outs/Cancellations vs. 30 Days Ago
(Delta between increasing and decreasing cancellations – Higher % is more positive)
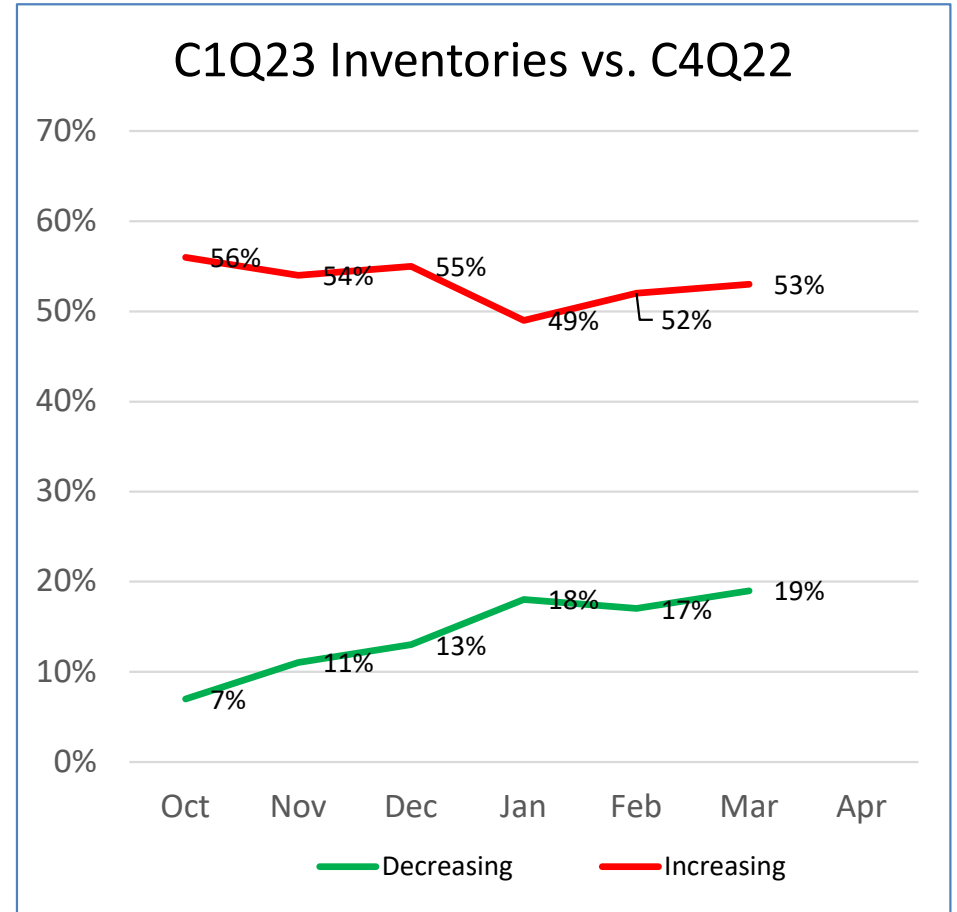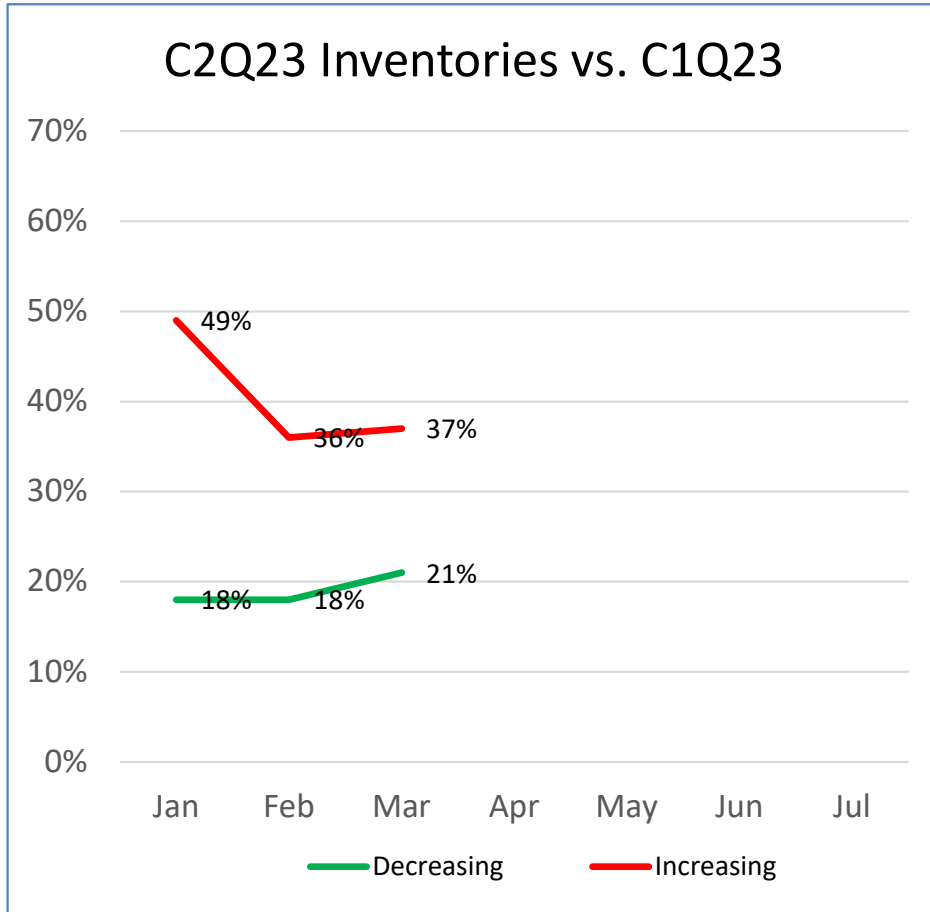
Inventory Status

(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?)
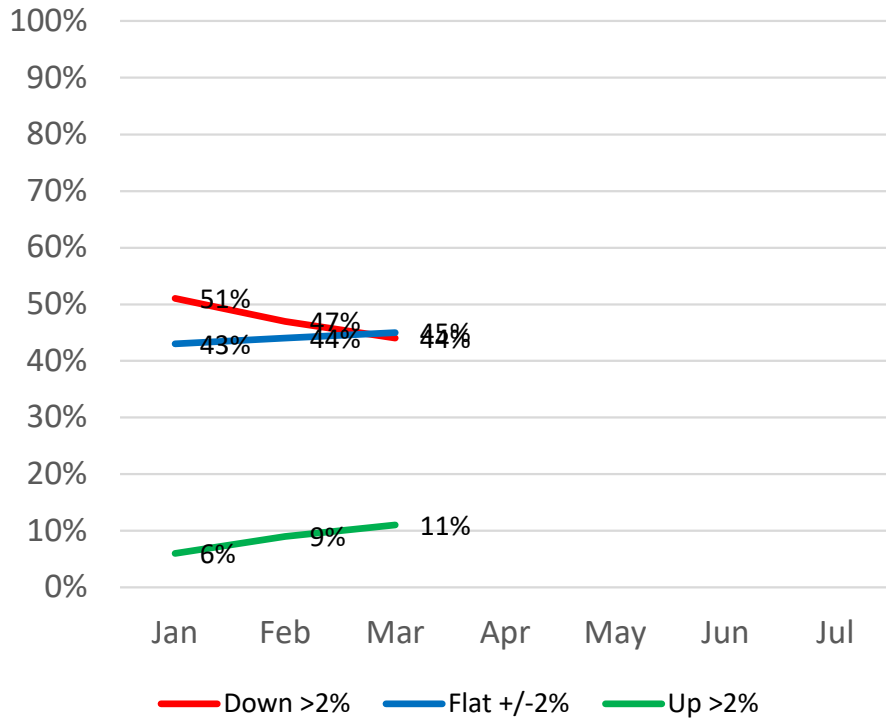

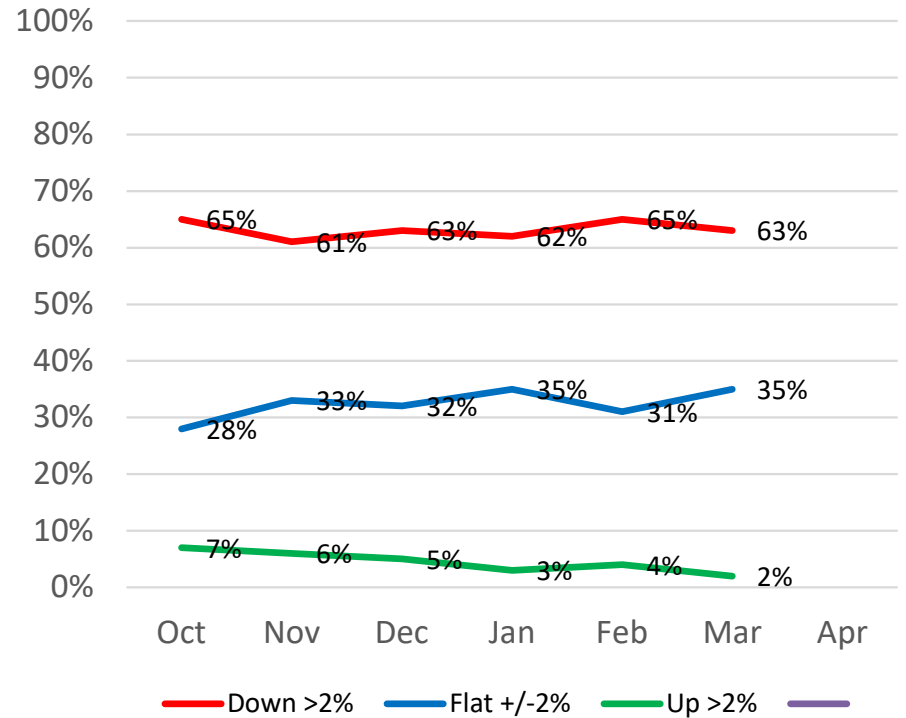Seeing above nominal inventory across all key products

Legend: DRAM, NAND, Passives, Microcontrollers, Analog, Wireless

Q/Q Inventory Growth

C2Q23 Inventories vs. C1Q23

C1Q23 Inventories vs. C4Q22

Q/Q Pricing Trends

Vertical Outlook

Legend: Automotive, Industrial, Communication, Consumer