

A glowing blue microchip is centered on a circuit board. The chip has a grid-like pattern 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**

**March 16, 2022**

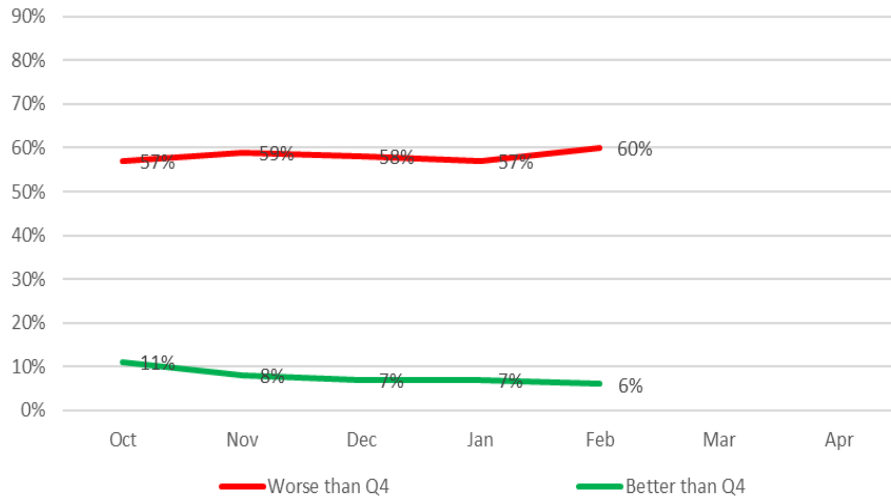
# TPC February 2022 Survey Summary

*Survey Date: 3/8-3/12 Respondents: ~9,700 Location: Worldwide (~80% Asia) Who: Active Electronics Industry Professionals  
Response Composition (multiple choices): Industrial 41%, Auto 22%, Comm 18%, Computing 18%, Mobile 29%, Data Ctr 17%, Other 15%*

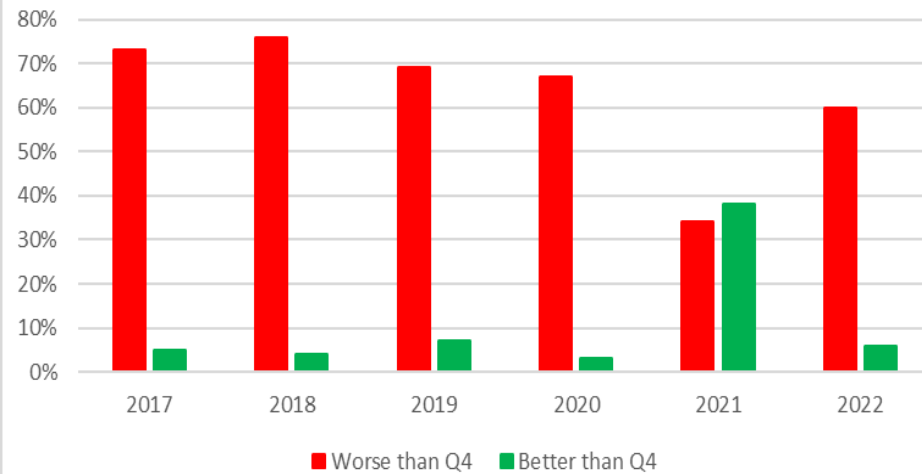
- We recently completed our monthly survey (~9,700 respondents) which saw a slight decreases in C1Q22 outlook for growth while showing slight increases in C2Q22's growth outlook. The outlook for seasonality stayed largely unchanged. However, C1Q bookings improved ~3% from last month's survey although much weaker than the last 4 years.
- Our C1Q22 outlook shows a return to more normal pre-COVID expectations, but still slightly better seasonality vs. CY18 & 19. However, the bookings outlook for C1Q22 was weaker and while C2Q22 bookings improved, it is still weaker vs. CY18 & CY19.
- The survey showed C1Q22 weakening slightly vs. last month with 6% expecting q/q growth vs. 7% previously; while 60% see it as weaker vs. 57% last month.
- The survey showed C2Q22 outlook improving vs. last month with 45% expecting q/q growth vs. 41% previously; while 22% see it as weaker vs. 24% last month.
- Backlog cancellation expectations (slide 7) continues to show negative trends.
- Key product inventory and availability (slide 8) generally stayed the same vs. last month with most key products are at or just under nominal levels.
- Inventories growth outlook and pricing (slides 9 & 10) remained roughly the same for both C1Q and C2Q.

# Q/Q Demand Growth Outlook

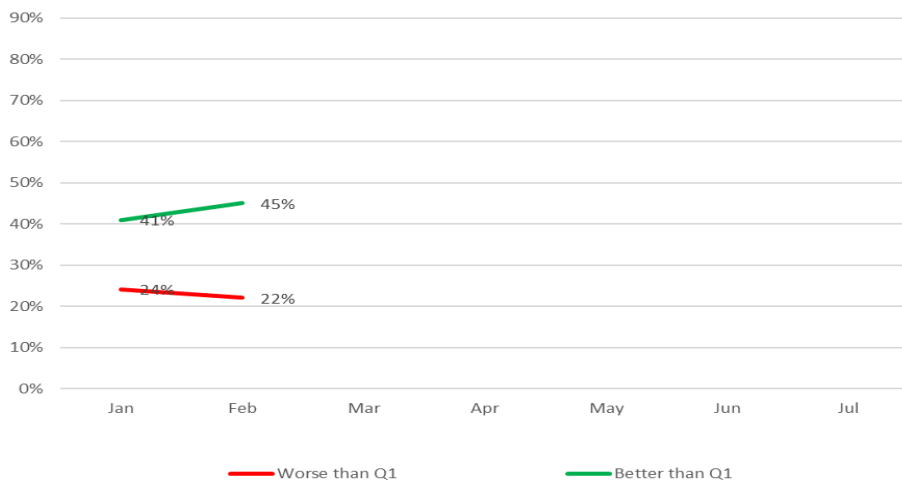
## C1Q22 Growth Expectations



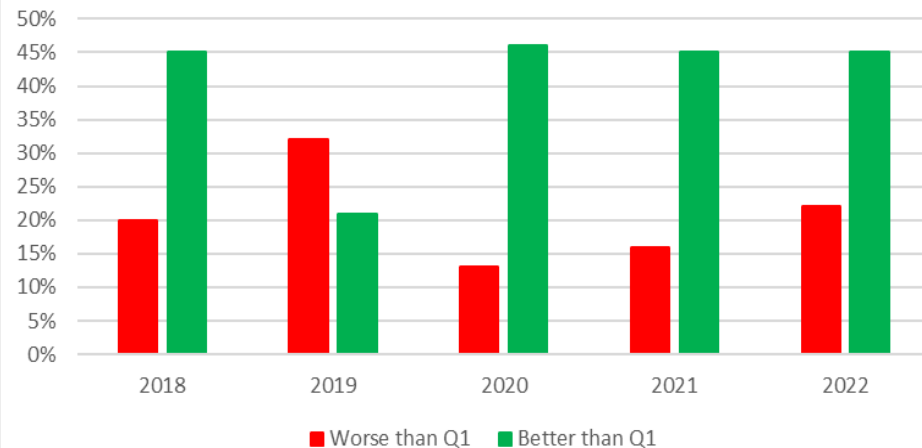
## C1Q Growth Expectations vs. C4Q



## C2Q22 Growth Expectations

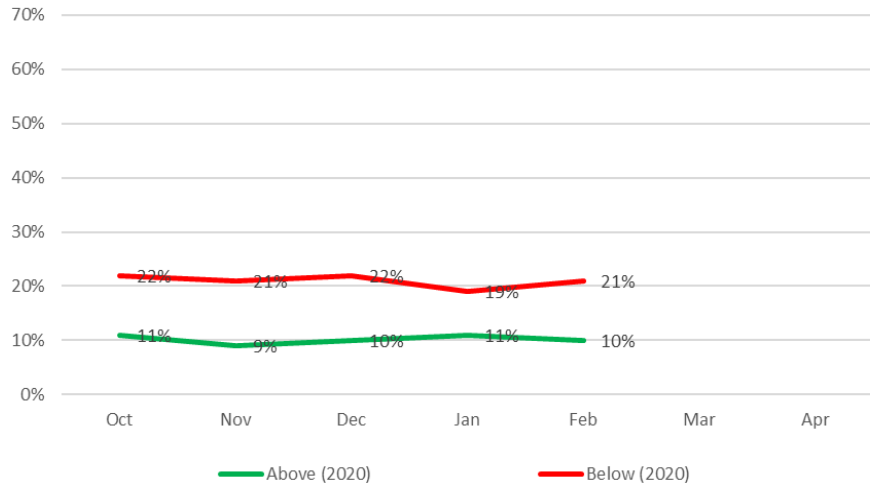


## C2Q Growth Expectations vs. C1Q

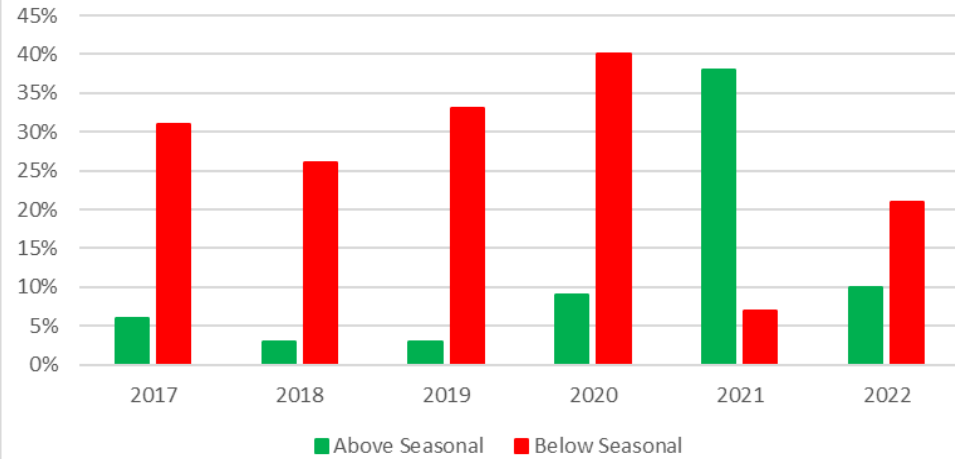


# Q/Q Seasonality Expectations

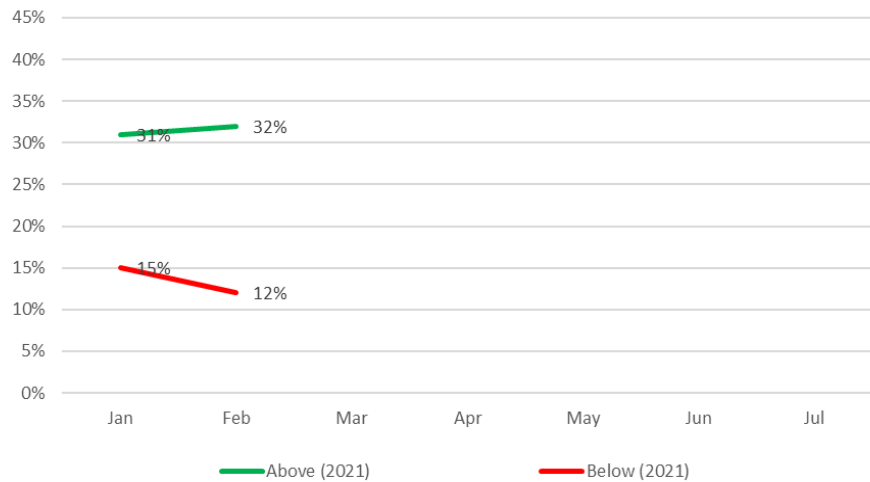
## C1Q22 Seasonality Expectations



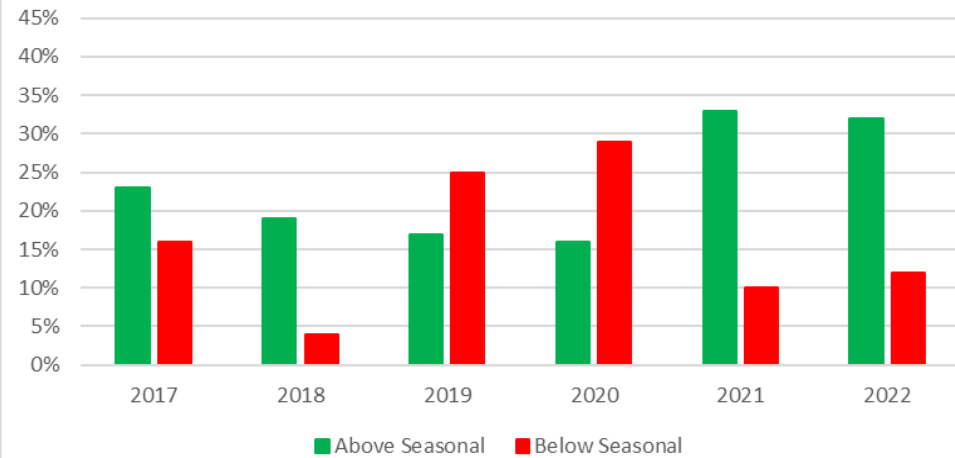
## C1Q Seasonality Expectations



## C2Q22 Seasonality Expectations

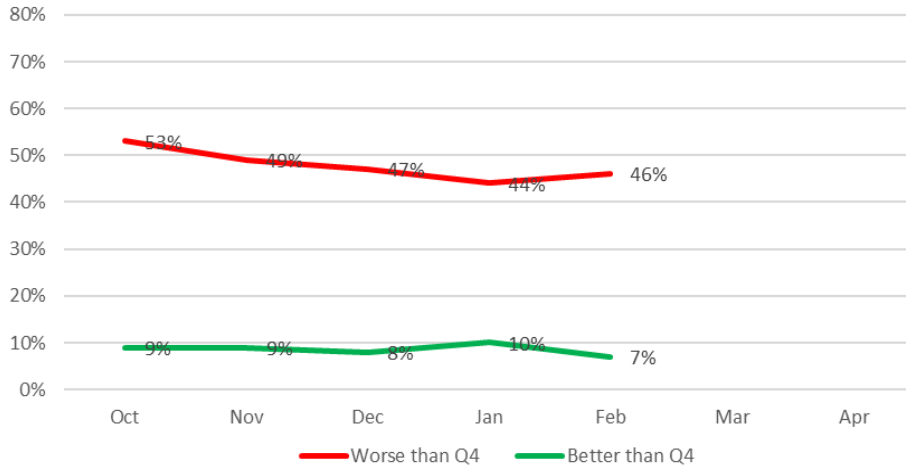


## C2Q Seasonality Expectations

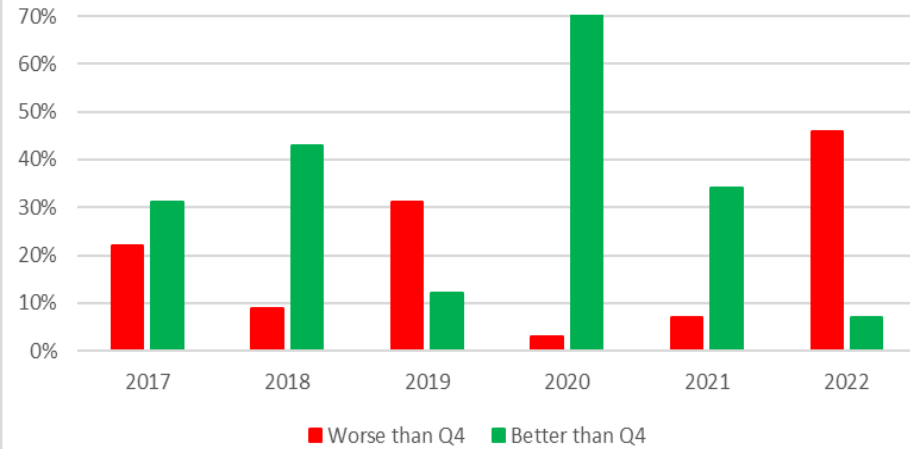


# Q/Q Bookings Growth Expectations

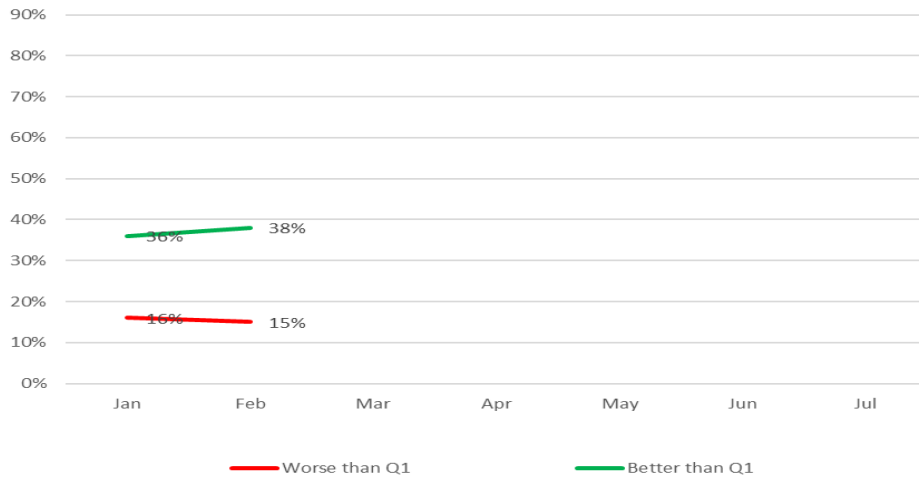
C1Q22 Bookings Expectations



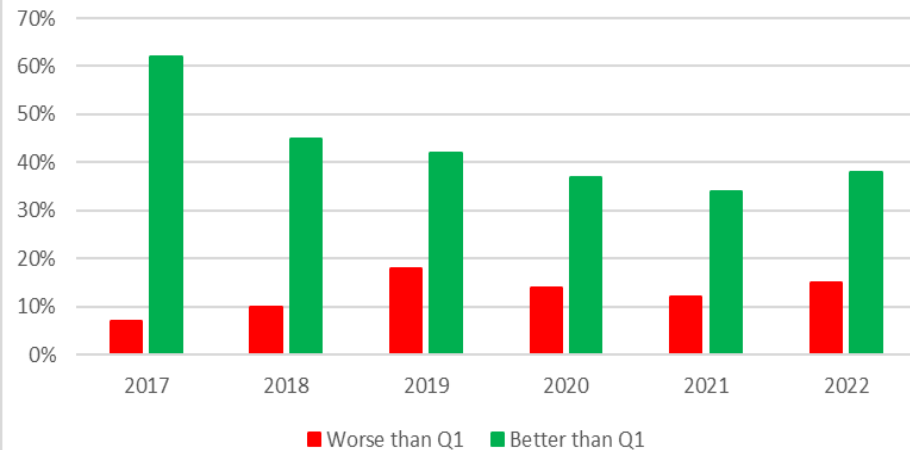
C1Q Bookings Expectations



C2Q22 Bookings Expectations

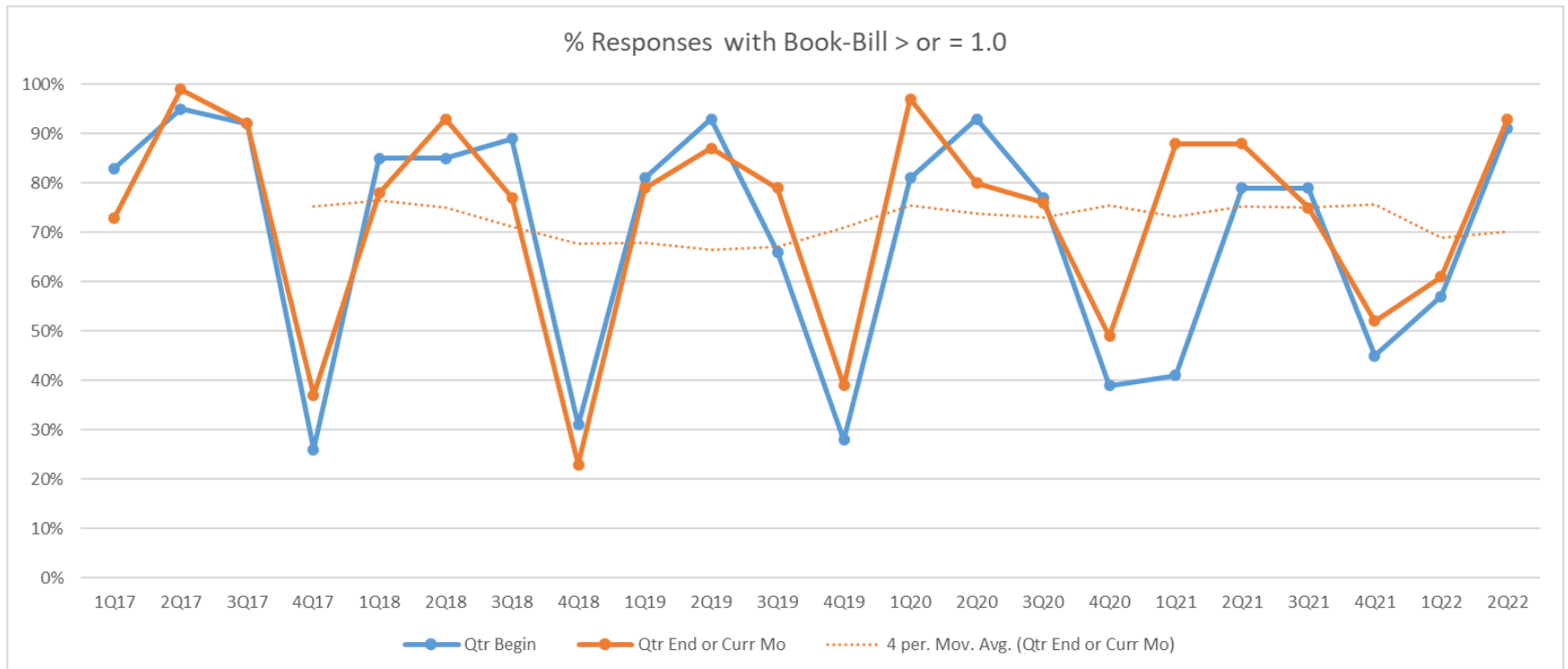


C2Q Bookings Expectations



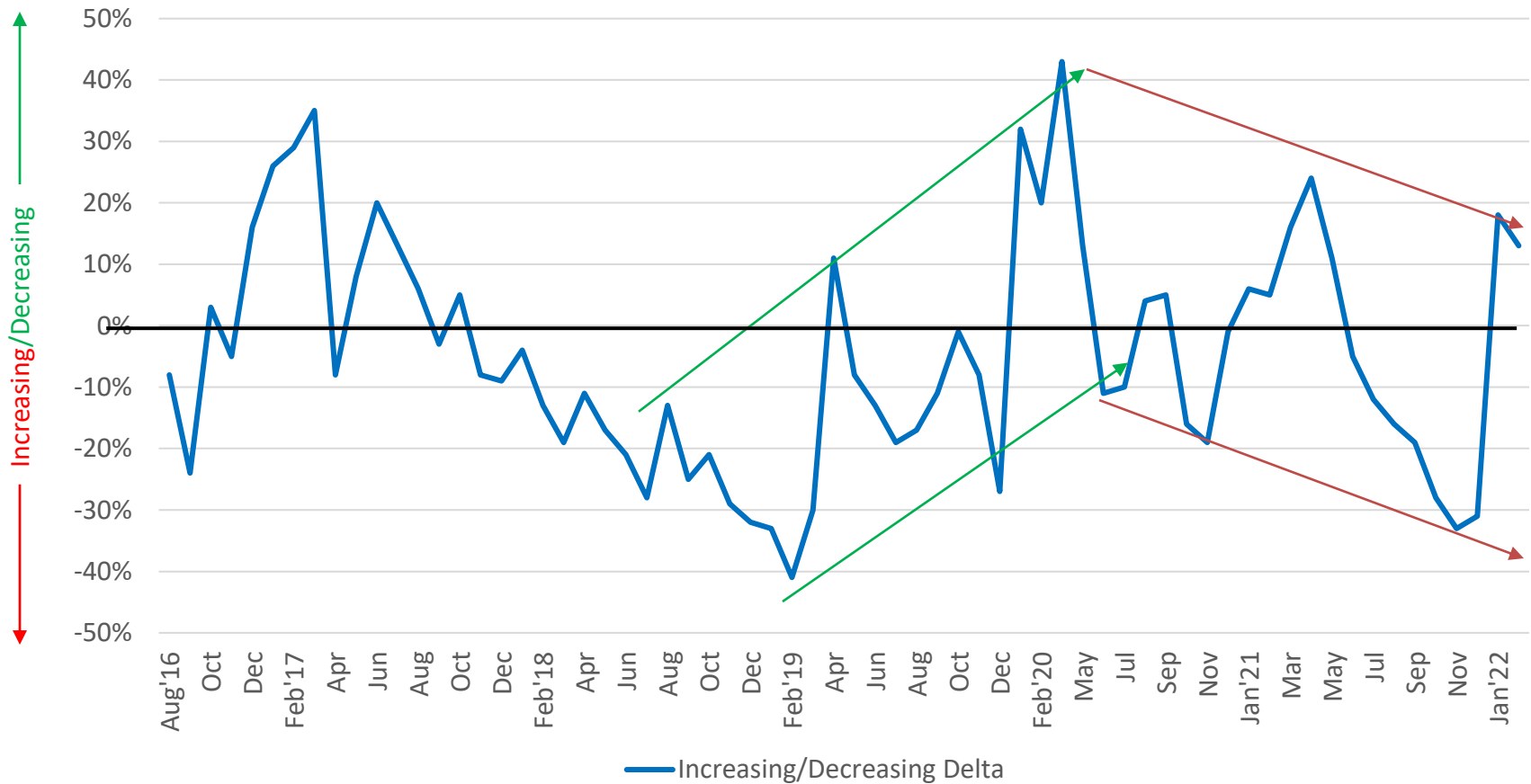
# Book to Bill History & Trends

(Calendar quarters)



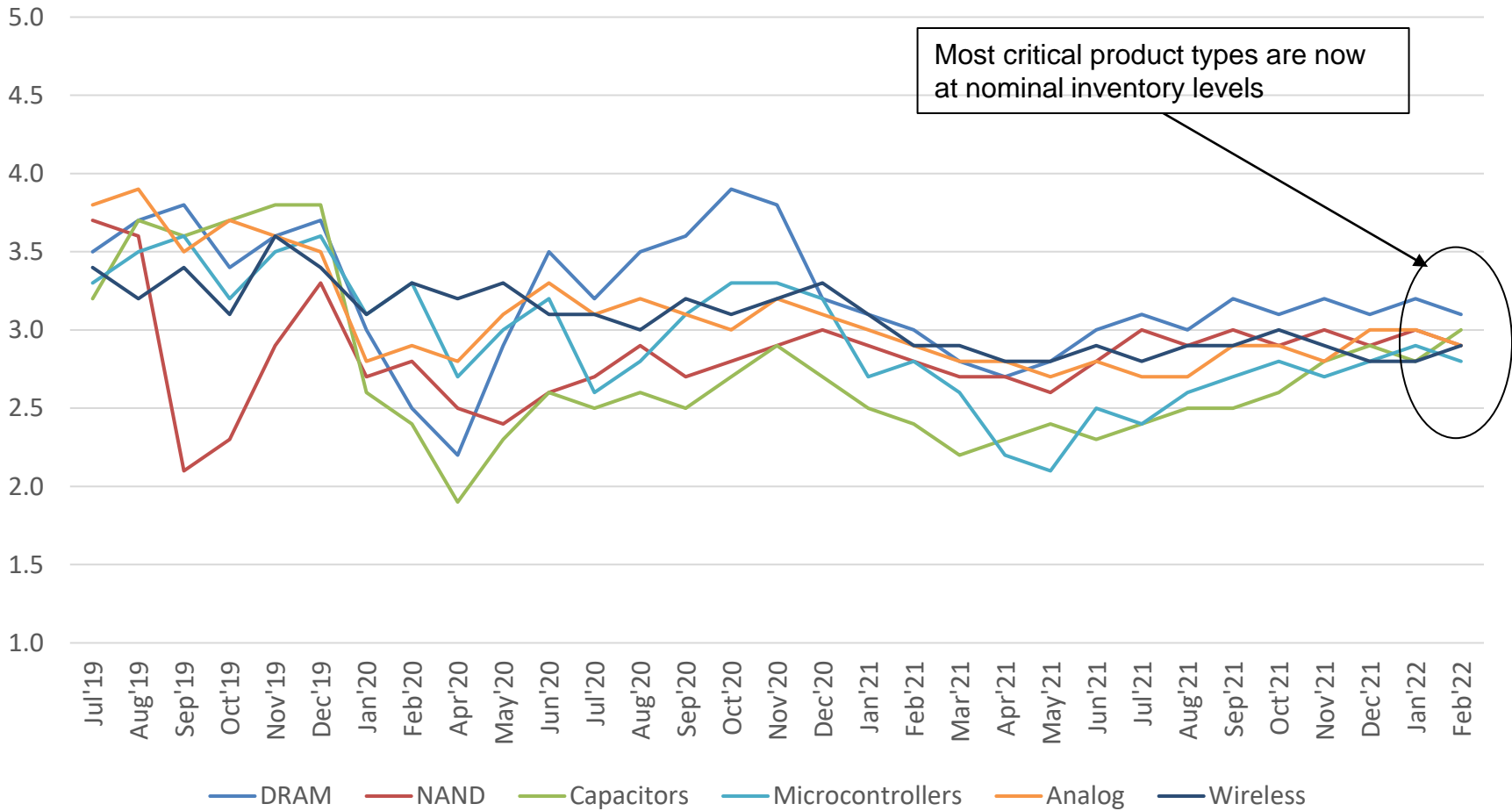
# Backlog Order Push Outs/Cancellations vs. 30 Days Ago

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



# Inventory Status

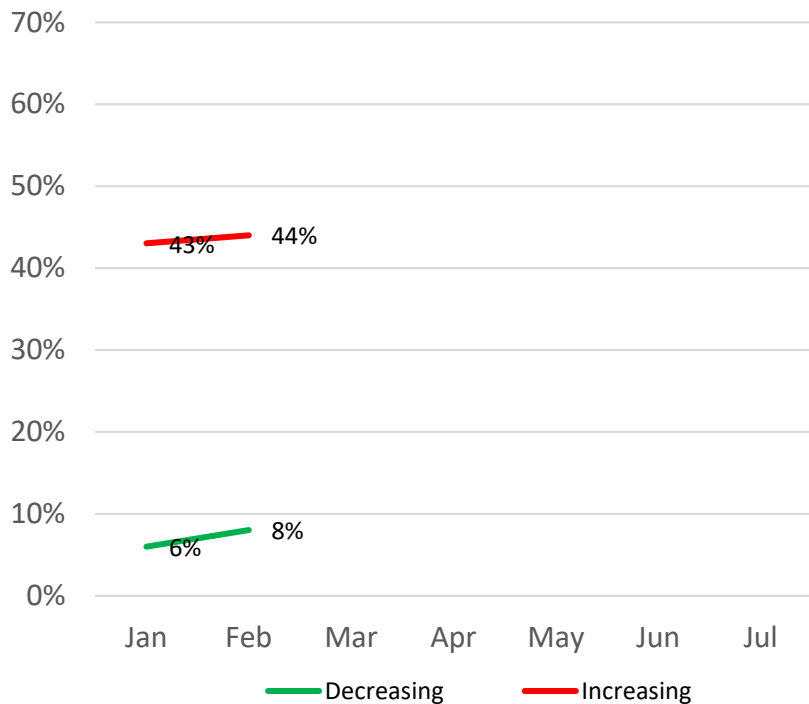
(Using a scale of 1 to 5 with 1 being extremely low inventory, 3 being the normal amount, and 5 being extremely high; how do you view inventory levels for the following products?)



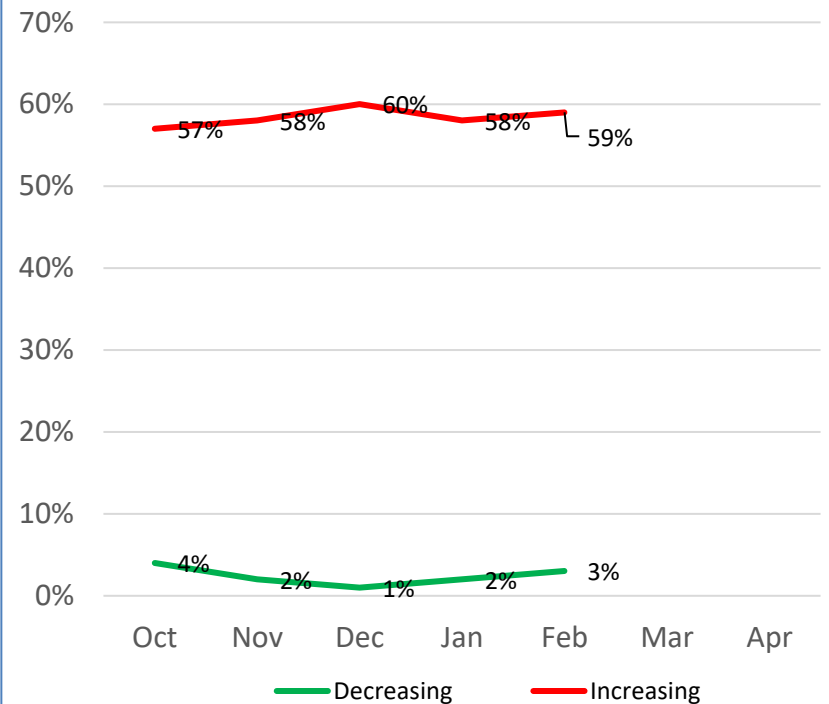


# Q/Q Inventory Growth

## C2Q22 Inventories vs. C1Q22

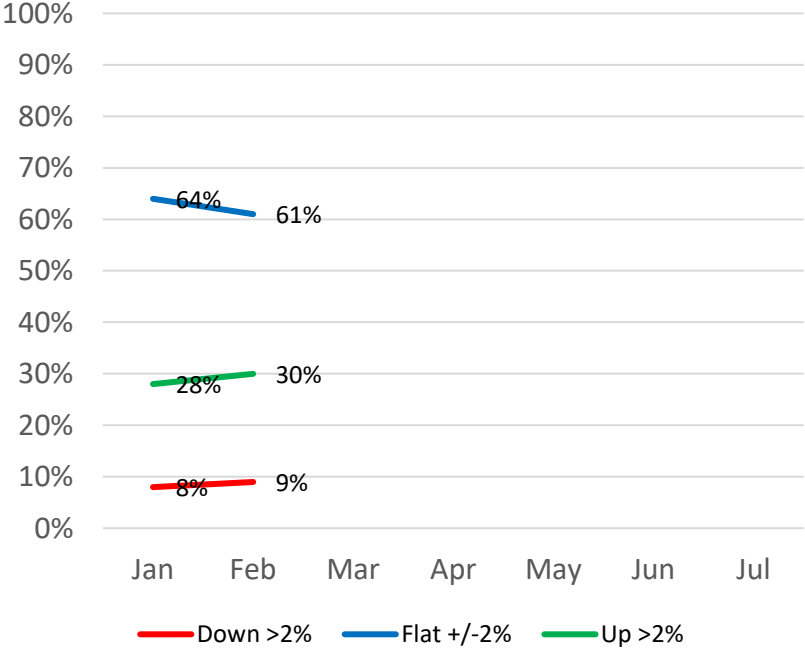


## C1Q22 Inventories vs. C4Q21

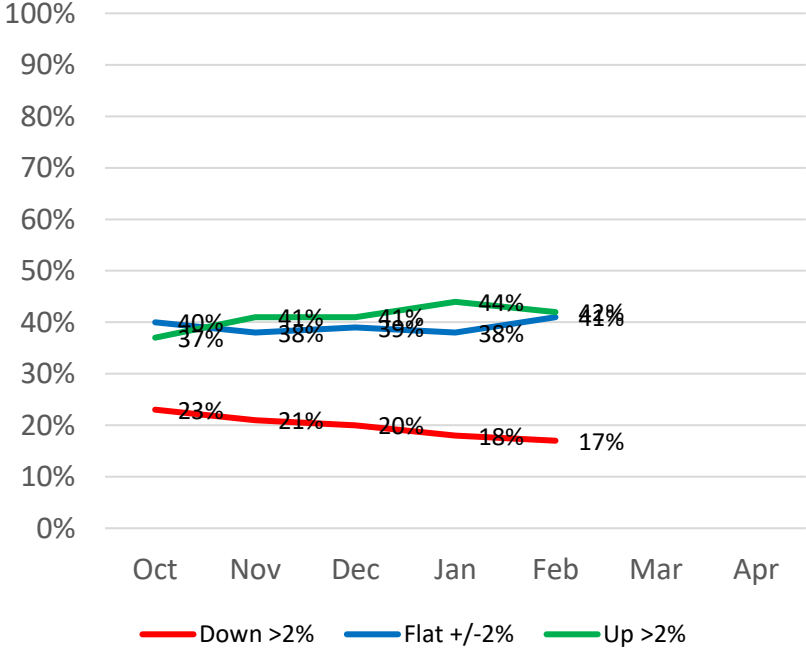


# Q/Q Pricing Trends

### C2Q22 Pricing vs. C1Q22



### C1Q22 Pricing vs. C4Q21



# Vertical Outlook

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

