We recently completed our monthly survey (~8,000 respondents) which saw very slight improvements for C4Q’s and C1Q’s outlook. The bookings for both C4Q and C1Q also showed some improvement.

Inventory levels for high demand parts remained elevated and little changed, except for memory which showed a decrease in availability.

Both C4Q and C1Q inventory growth outlook trend (slide 9) showed net inventories decreasing vs. last month although the 3-month trend is largely unchanged meaning there is still too much inventory in most channels.

We believe we are slowly coming out of the inventory glut, but it will take another couple of quarters to get back to normal and require end demand to also improve from its current level.

The survey showed C4Q23 a slight improvement vs. last month with 27% seeing the quarter being better than C3Q compared to 26% previously, while 34% see it as worse vs. 36% last month.

The survey showed C1Q24 also showed a slight improvement vs. last month. Although slightly more saw things weaker (57% see it as worse vs. 55% last month); the seasonality outlook improved.

The backlog cancellation expectations (slide 7) remained below the “positive” indicator line showing continued bias towards reducing backlog exposure.

Key product inventory and availability (slide 8) remained roughly the same across all key products and remains at nominal levels. Of note is the decreasing trend in memory availability and the increasing trend in analog availability over the last couple of months.
C1Q24 Outlook

C1Q24 Growth Expectations

C1Q24 Seasonality Expectations

C1Q Growth Expectations vs. C4Q

C1Q Seasonality Expectations

December '23/January '24
TPC Proprietary
Bookings Outlook

4Q23 Bookings Expectations

C4Q Bookings Expectations

C1Q24 Bookings Expectations

C1Q Bookings Expectations

December '23/January '24  TPC Proprietary
Book to Bill History & Trends
(Calendar quarters)

% Responses with Book-Bill ≥ 1.0

1Q17 2Q17 3Q17 4Q17 1Q18 2Q18 3Q18 4Q18 1Q19 2Q19 3Q19 4Q19 1Q20 2Q20 3Q20 4Q20 1Q21 2Q21 3Q21 4Q21 1Q22 2Q22 3Q22 4Q22 1Q23 2Q23 3Q23 4Q23 1Q24

- Qtr Begin
- Qtr End or Curr Mo
- 4 per. Mov. Avg. (Qtr Begin)
- 4 per. Mov. Avg. (Qtr End or Curr Mo)
Backlog Order Push Outs/Cancellations vs. 30 Days Ago
(Delta between increasing and decreasing cancellations – Higher % is more positive)

Increasing/Decreasing Delta


Decreasing

Decreasing

Increasing/Decreasing

Increasing

-50%

-40%

-30%

-20%

-10%

0%

10%

20%

30%

40%

50%
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

C4Q23 Inventories vs. C3Q23

C1Q24 Inventories vs. C4Q23
Q/Q Pricing Trends

C4Q23 Pricing vs. C3Q23

C1Q24 Pricing vs. C4Q23

Down >2%  Flat +/-2%  Up >2%
Vertical Outlook

0% 10% 20% 30% 40% 50%

Jan'18 Jan'19 Jan'20 Feb'21 Feb'22 Feb'23

Automotive Industrial Communication Consumer

January '24