TPC Semiconductor Market Survey

December 14, 2020
We recently completed our monthly survey (~10,700 respondents) which saw slight improvement in C4Q growth expectations while showing slight weakening in C1Q expectations. Additionally, the bookings outlook for C4Q also weakened slightly, while C1Q’s bookings outlook improved slightly.

End customers have still been reluctant to reduce inventory levels and appear to be booking slightly more for delivery in C1Q due to product availability getting tighter.

The survey showed a growth outlook for C4Q20 slightly improved vs. last month with 9% expecting q/q growth vs. 2% previously and 59% see it as weaker vs. 54% last month. The C1Q outlook weakened slightly with 61% seeing things weaker vs. 59% last month, while only 6% expected improvement vs. 12% last month.

The survey showed improvement in bookings for C3Q20 with 33% expecting improving bookings vs. C2Q compared to 29% last month, and 20% now expect weaker bookings vs. 25% last month. C4Q20 bookings were also slightly improved with 7% seeing improving bookings vs. 4% last month.

Backlog cancellation expectations (slide 6) did weaken slightly, but not significantly and remains more neutral over the last ~6 months.

Availability of critical parts continues to improve and in most cases are at or below normal levels. Slide 7, which shows a more granular view of inventory by key components, showed improvements across most products in inventory and availability.

We would characterize pricing as starting to increase in some areas due to tighter product availability.
Q/Q Demand Growth Outlook

4Q Growth Expectations

C4Q Growth Expectations vs. C3Q

C1Q21 Growth Expectations

C1Q Growth Expectations vs. C4Q
Q/Q Seasonality Expectations

4Q Seasonality Expectations

C4Q Seasonality Expectations

C1Q21 Seasonality Expectations

C1Q Seasonality Expectations


Above Seasonal vs. Below Seasonal

November 2020
Q/Q Bookings Growth Expectations

4Q Bookings Expectations

C4Q Bookings Expectations Seasonality

C1Q21 Bookings Expectations

C1Q Bookings Expectations

Q4 Bookings Growth Expectations

- November 2020

TPC Proprietary

C4Q Bookings Expectations Seasonality

- 2017
- 2018
- 2019
- 2020

C1Q Bookings Expectations

- 2017
- 2018
- 2019
- 2020
- 2021

Q4 Bookings Growth Expectations

- July
- August
- September
- October
- November
- December
- January

C4Q Bookings Growth Expectations Seasonality

- Worse than Q3
- Better than Q3

C1Q Bookings Growth Expectations

- Worse than Q4
- Better than Q4
Backlog Order 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?)

Continuing to see most products being at or above normal inventory levels.
Q/Q Inventory Growth

C4Q20 Inventories vs. C3Q20

C1Q21 Inventories vs. C4Q20
Q/Q Pricing Trends

C4Q20 Pricing vs. C3Q20

C3Q20 Pricing vs. C2Q20
Vertical Outlook

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