



Monthly Market Update

July 27th, 2020

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Analog Devices

- There is still a shortage of lower ASP materials used for medical application parts such as parts ADM3485 & AD8605. Deliveries are unstable but have improved, with most parts lead times at 16-20 weeks.

Linear Tech

- The LTM series lead times are expected to extend to 20-24 weeks, while the LT series expects a lead time extension to 12-20 weeks. Overall, Linear Tech's lead times have improved from 1H20, but parts used in medical applications are still seeing unstable lead times.
- Older parts, like in the LT1 and LTC1 series, are experiencing unstable lead times.
- The LTC series is seeing stable pricing.

NXP / Freescale

- Lead times for the LPC series remain extended due to the raw material shortage. For some parts, NXP is reviewing end-customer information before new orders are placed or shipments are released.
- While lead times for the MPX/Sensor series are at 26 weeks, other parts lead times are slightly improving at 16 weeks.
- Most parts used in medical applications are seeing 4+ weeks added to their lead times.
- With power management components experiencing tight supply, pricing and delivery lead times are now stretching.

Texas Instruments

- While most Texas Instrument lead times are improving to 10-12 weeks, parts in the SO PowerPAD (suffix DDAR), VQFN (suffix RHLR) and VSON (suffix DSJR) series are still at 16 weeks.
- Market expecting more stock will be released in Q3. Immediate stock price is getting more stable.
- While the demand for medical-use components is still strong, commercial and industrial-use components' demand is slowing down.

Maxim Integrated

- The lead times for most Maxim parts remain stable at 14-16 weeks.
- Maxim is launching its new series, the MAX32670, which has low power consumption and a small size intended for use in industrial, healthcare and IoT- sensor applications.
- Parts used in medical applications are experiencing extended lead times, such as MAX765ESA.
- Some Maxim parts are facing special pricing expirations — the series affected include MAX5974, MAX1922, MAX3057, MAX8655, MAX4642, and MAX1510.

- Analog Devices, Inc. (ADI) will acquire Maxim Integrated in an all-stock transaction valued at over US \$68 billion.

Microchip

- Microchip's lead times are now stretched to 16-20 weeks due to reduced factory capacity related to Covid-19.
- Due to the increased number of short lead time-based orders, Microchip will begin implementing an expediting fee to any expedited order request starting on August 1st, 2020. This fee will apply to all standard items, including the PIC and MIC series. Customers should plan their backlog accordingly.

Atmel

- Atmel's pricing will increase by 7% on selected legacy series, such as the AVR, ATTINY, ATMEGA and ATXMEGA and 8051 series, starting July 15th, 2020.
- The ATMEGA series lead times are increasing from 10 weeks to more than 22 weeks.

Cypress

- Cypress' factory capacity is approximately 70% due to the lack of workforce needed for full operation.
- While most lead times remain at 18-24 weeks, immediate stock pricing from the open market remains high.

ON Semiconductor

- With pricing beginning to stabilize and lead times improving, ON Semiconductor's open backlog is still difficult to pull in.
- Immediate stock in the open market is steadily increasing while some franchise distributors release their stock into the market.

ST Microelectronics

- Most of ST Microelectronics' pricing remains stable.
- Some of ST Microelectronics' MCU lead times are now extended:
 - The ST9 Flash series lead times are now at 20-25 weeks
 - The STR7 series lead times are now at 18-20 weeks
 - The STM32 series lead times are now at 16-20 weeks

Xilinx

- Xilinx's general lead times and pricing are stable.
- While standard lead times are currently at 12-14 weeks, some parts are experiencing increased delivery lead times up to 2-4 weeks.

Infineon

- Although the production for Infineon's IR3 series has resumed, some parts are lacking supply, such as IR3448, IR3898, IT3898, IR3899, and IR3584.

- The market is seeing shortages for both Infineon's MOSFET and MCU – XMC series.

Molex

- For Molex parts with COO Ireland, lead times have extended to 30+ weeks due to the relocation of Molex's Ireland factory.
- Lead times for parts from Molex's Malaysia, Indonesia, and India production factories have increased from 10 weeks to 16 weeks due to Covid-19.

MEMORY

Micron

- Micron's DRAM prices are currently low due to seen oversupply and weak demand in the open market. Overall, spot market pricing has dropped 2-5% (especially for Micron's DRAM and NAND Flash).
- Micron's total DRAM production capacity is at the same level as last year; however, Micron is investing more in its 1z nm process. Manufacturing of its 1z nm process will begin soon, and new samples will be shipped to OEM customers for evaluation.

Samsung

- Samsung is still experiencing oversupply issues. Because of weak demand, Samsung has reduced its pricing for NAND Flash products by 10-15% and DRAM products by 10-12%.

Adesto Technologies

- Adesto's standard lead times are at 11-13 weeks, but due to their recent acquisition by Dialog Semiconductor, their delivery schedules may be effected for backlog orders. The pricing for current running series is still stable.
- The market is speculating that Adesto is planning to discontinue the AT25SF081/161/321 series tentatively in 4Q20. There is still old inventory of this series with the manufacturer, but the exact quantities and date codes can only be confirmed after order confirmation. Once the inventory is sold out, new orders will not be supported.
- Considering their OEM factories in Malaysia, the Philippines, and Taiwan were closed for three months due to the pandemic, Adesto's production capacity has not resumed to normal.

Kingston

- Kingston's production capacity has recovered for most of their products and are now able to support with shorter lead times of 2-3 days.
- Here are some details regarding Kingston's latest pricing:
 - Laptop/desktop module DDR3 products' pricing is stable
 - DDR4 16/32GB products' pricing has dropped 1.5%
 - DDR4 4/8GB products' pricing remains unchanged
 - High-end Server RAM 32GB products' pricing has dropped 5%

- Low-end Server RAM 8/16GB products' pricing remains unchanged
- Micro SD cards' pricing has dropped about 5-11% due to low market demand
 - 16GB has dropped 7%
 - 32GB has dropped 11%
 - 64GB has dropped 5%
- Kingston's USB market is slowing down.

ISSI

- While most ISSI products' pricing and lead times are stable, SRAM products are experiencing slightly longer lead times around 6-8 weeks.

PASSIVE

AVX

- There's a serious shortage on AVX Tantalum caps due to a supply issue at the El Salvador and Czech Republic factories. The lead times for product from these factories are stretched to 30-40 weeks.

Murata

- Currently, the average lead time for Murata product is around 16 weeks.
- While pricing is stable for most parts, there's a shortage for cap size 0603-106/226/479 and cap size 0805-106/476.

Taiyo Yuden

- Taiyo Yuden's average lead times are at 16-20 weeks. Some parts, like cap size 0603, 0805, 1206 -106/226/476, are still on allocation.

Kemet

- Since AVX has supply issues due to its El Salvador and Czech Republic factories' shutdown, end users have shifted their demand towards Kemet as an alternative. Kemet's lead times for Tantalum caps are now stretched to 20-24 months.

Samsung Electro-Mechanic

- Due to supply issues and fluctuated exchange rates, Samsung Electro-Mechanic's prices have increased.
- Some Samsung Electro-Mechanic parts, such as cap size 0603-104, are experiencing a shortage.

Contact marketing@a2globalelectronics.com for questions, comments, and feedback