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REDEFINING AMERICA II & ADVANCED MP TECHNOLOGY

Monthly Market Update

August 24th, 2020

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MEMORY

PASSIVES

ALTERA

- The EN series lead times are increasing from 8-10 weeks to 15-16 weeks due to demand from the cloud server market.

ANALOG DEVICES

- Analog Devices is allocating its production capacity of lower ASP materials to medical parts. Deliveries remain unstable and are unable to pull in.
- Most parts lead times are at 20 weeks or more.

CYPRESS

- The FMxxx series' production is becoming more stable. Lead times have decreased to 6-8 weeks with stable pricing.
- All lead times for the CY series, e.g., CY8Cxxxxx and CY7Cxxxxx, are extended to 20 weeks. While open backlogs are hard to pull in, pricing remains stable.

INFINEON

- The market is experiencing shortages for both of Infineon's MOSFETs and MCUs. While pricing is stable for lead time-based purchases, most vendors will only accept orders if they have stock on-hand or have incoming stock.
- Since most of Infineon's parts are in the last time-buy stage, the IR3 series is seeing price increases and isn't supported by lead time-based purchases.

LINEAR TECHNOLOGY

- The LTM series lead times are extending to 20-24 weeks, while the LT series lead times are extending to 16-20 weeks.
- Parts used in medical applications are still experiencing unstable lead times.
- The LT1 & LTC1 series lead times are unstable.

MAXIM INTEGRATED

- Maxim's lead times remain at 14-16 weeks with backlog still unable to pull in.
- The recent lockdown of Maxim's Philippines factory is causing some orders to be delayed by vendors.
- Considering Maxim's auditing is still in progress, full labels of product is still not completely available.
- The acquisition from Analog Device, which was announced in July, is expected to take at least 12 months to complete.

MICROCHIP

- Microchip's lead times are stretching to 16-20 weeks due to limited factory capacity affected by Covid-19.
- Due to the increase of short lead time orders, Microchip is implementing a fee for any expediting request starting on August 1st, 2020.
- Customers are advised to plan their backlog accordingly to avoid the expediting fee.

MOLEX

- Molex has informed its distributors about its new change in shipment from air-based to sea-based freight to lower logistics costs. Because of this, lead times are extending by 2-4 weeks.
- Due to the impact of Covid-19, Molex's manufacturing plants in Malaysia, India, and Indonesia are in full capacity with efforts to catch up to its planned schedule. Currently, pulling in for open backlog is difficult, and doing so may delay delivery times by 2-4 weeks.
- Molex's pricing is becoming stable.

NXP / FREESCALE

- NXP's factories are still experiencing wafer shortages and a lack of production capacity.
- The LPC series lead times remain at 18-20 weeks. We are seeing delivery schedules of open backlog being pushed out.
- The MPX/Sensor series lead times are at 26 weeks due to the wafer shortage. Because of this, sensor production is dropping, and market pricing is rising by 15-20%. Sensors used for medical treatments are seeing more significant price increases.
- NXP's immediate stock in the market is experiencing price increases, mostly for parts with long standard lead times.

ON SEMICONDUCTOR

- ON Semiconductor's Philippines factory is being impacted due to a lockdown related to Covid-19. Wafer delivery times for the FAN series have increased to 25+ weeks, with lead times increasing.

ST MICROELECTRONICS

- Due to increased demand for 5G, the market is experiencing shortages for ST Microelectronics' STM32F1 and STM32F0 MCU series. Lead times are extending to 20 weeks, and deliveries for backlog parts are delayed. The market is expecting increased pricing for immediate stock.
- For most of ST Microelectronics' MCU backlog, shipping schedules are now ranging from the end of 2020 to early 2021. Since pulling in is not possible, we can only wait for the manufacturer's allocation of parts.

TEXAS INSTRUMENTS

- Lead times of individual parts, like TPS63021DSJR, INA826AIDGKR, ADS1256IDBR, and TPS62420DRCR, are now extended to over 14 weeks. Most of these parts have COOs of Malaysia or the Philippines.

XILINX

- There are rumors in the market that there is a wafer shortage for some of Xilinx's parts.
- Currently, the SP6 and SP3 series are experiencing extended lead times of 18-20 weeks. The affected parts are listed below:
    - XC3S1000-5FGG456C/I
    - XC3S1000-4FGG456C
    - XC6SLX45-3FGG676I/C
    - XC6SLX45-3FG676I
    - XC6SLX45-2FGG676I/C
    - XC6SLX45-2FG676I/C
    - XC6SLX16-3CSG225I/C
    - XC6SLX16-2CSG225I/C

MEMORY

ADESTO TECHNOLOGIES

- Considering Dialog's acquisition of Adesto was completed on June 29th, the company is now starting to work on restructuring plans for the organization.
- Adesto's pricing is stable, and lead times will be longer than 7-8 weeks. They are still in progress of catching up to schedule for their outstanding backlog with customers.

SAMSUNG

- The market expects Samsung's GGDR5 components to face shortage conditions in Q4 as manufacturing begins for the PlayStation 5.
- Samsung's SSD PM883 (U.2 Non SED, U.2 SED 1/2/4TB, U.2 SED 8TB), SM883, and PM983 series will have updated firmware versions starting from August onwards.

WINBOND

- Winbond's support and delivery lead times are now stable.
- Although the OTT box has started shipping, shipment volume is low.

PASSIVES

AVX

- AVX's tantalum caps and F series parts are experiencing shortage market conditions. Lead times are stretching to 30-40 weeks.
- AVX's franchise distributors are only offering support for on-hand stock and incoming parts — they are not accepting lead time-based orders due to AVX's long lead times. AVX's listed pricing remains stable.

MURATA

- While some of Murata's parts are under allocation, lead times are around 12-14 weeks.
- The demand for parts supporting broadband and networking equipment is strong and stable.

OMRON

- Omron's micro switches, particularly for the D2FC series, are experiencing stretched lead times and increased pricing. Support is not stable for parts that are manufactured in Indonesia and Malaysia as lead times are around 14-20 weeks.

ROHM

- The Philippines has announced that Manila and its neighboring provinces are now under a modified, enhanced community quarantine (MECQ) until August 18th. Rohm's Philippines manufacturing facility is operating at a maximum rate of 50%. This plant produces ICs, sensors/MEMS, transistors, diodes, and resistors.

YAGEO

- Yageo's current lead times are at 10 weeks. Its inventory levels with franchise distributors are high, and lead time support is stable.

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