

MONTHLY MARKET UPDATE - JULY 19, 2021

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ANALOG DEVICES

Part/Series	Pricing	Lead Time	Notes
Older vintage products, e.g. Op Amp	Increasing	16-52 weeks	
ADUMxxx Series	Unstable	16-42 weeks or more	Certain parts might see lead times stretch up to 50 weeks.
Ex-Linear Tech Series	Increasing	14-50 weeks	Lead time orders are being pushing out.

RENESAS

Part/Series	Pricing	Lead Time	Notes
Intersil Series	Increasing	32 weeks or more	Enhanced Movement Control Order (EMCO) in Malaysia is impacting some of the plant's production and OSAT in Malaysia locations.

CYPRESS

Part/Series	Pricing	Lead Time	Notes
Ex-Ramtron	Increasing	42-60 weeks	Lead times are continuing to stretch and MFR cannot expedite. Delivery lead times are unstable.

TEXAS INSTRUMENTS

Part/Series	Pricing	Lead Time	Notes
TPS Series	Increasing	35-60 weeks or more	Subject to the demand of specific MPNs, spot buy pricing can be volatile. The shortage is expected to last until Q1 2022.

STMICROELECTRONICS

Part/Series	Pricing	Lead Time	Notes
STM32 Series	Stable, high	52 weeks or more	Most parts are still pending on allocation, but some MCU items will increase production (e.g. STM32H7/STM32U5/STM32G4/STM32G0/STM32F2/STM32F4).
IMU/MEMS Series, e.g. LISxxx / LSMxxx	Increasing	34 weeks or more	

MAXIM INTEGRATED

Part/Series	Pricing	Lead Time	Notes
Interface, e.g. MAX232EESA+T / MAX3485ESA+T / MAX823TEUK+T / MAX706TESA+T, MAX487ECSA+T / MAX487EESA+T		16-36 weeks	It's difficult to pull in due to tight capacity and the raw material shortage.
Ex-Dallas Series, e.g. DS3232SN#TR / DS3234SN#T&R / DS1340U-33+T&R / DS1339U-33+T&R	Increasing	18-50 weeks	It's difficult to pull in due to tight capacity and the raw material shortage. Lead times are further stretched.
Legacy Products, e.g. ICLxxxx Series		24-40+ weeks	There is a lack of production capacity and raw material.

BROADCOM

Part/Series	Pricing	Lead Time	Notes
BCMxxxx	Increasing 15%	50-55 weeks	Lead times remain long.
Ex-PLX Series	Increasing	50-60 weeks	

MONTHLY MARKET UPDATE - CONTINUED

MICROCHIP

Part/Series	Pricing	Lead Time	Notes
Ex-SMSC Series, e.g. LAN8720A, LAN8710A, LAN91C11, USB2514B, USB3320C, USB3340	Increasing	60 weeks or more	There is an insufficient capacity issue from wafer fab for these series. It is difficult to receive a confirmation date for new and existing orders. Spot buy pricing can increase up to 10x. The supply issue is not expected to be solved in 2021.
Ex-Micrel Series, e.g. KSZ8041NL, KSZ8081RNBCA-TR, KSZ9031RNXCATR			
Sx-Atmel Series	Increasing	34-52 or more	

ALTERA

Part/Series	Pricing	Lead Time	Notes
EP2 Series	Increasing	14-60 weeks	Lead times are stretching. Spot buy pricing for out-of-stock items in market are still high.
EP3 Series		46-52 weeks	
EP4 Series		42-72 weeks	
MAX II, EPM1/EPM5 Series		Up to 56 weeks	
Enpirion Series (e.g. ENxxx)	Stable	20-30 weeks	Lead times are increasing.

NXP / FREESCALE

Part/Series	Pricing	Lead Time	Notes
Auto grade 32-bit MCU, e.g. SPC5606 Series	Increasing	52+ weeks	Deliveries are unstable and delinquent. Prices are not expected to improve this year.
Some LPC Series parts 32-Bit Arm Cortex MCUs, e.g. FS32K144 & FS32K146 Series	Market spot pricing is adjusting		Deliveries are unstable and delinquent.

XILINX

Part/Series	Pricing	Lead Time	Notes
XC4 & XC5 Series	Increasing	28-30 weeks	There is insufficient production capacity. MFR is prioritizing allocation to direct customers. The market is not expected to be relieved until next year.
XC6S/XC7V/XC7K Series	Increasing	22-52 weeks	
XC3/XC9528 Series	Increasing	28-30 weeks	

SILICON LABS

Part/Series	Pricing	Lead Time	Notes
Sxxxx Series	Increasing	18-65 weeks	Unable to pull in
C8051xxx Series		35-40 weeks	

CONNECTORS

TE CONNECTIVITY

Part/Series	Pricing	Lead Time	Notes
IM Relays	Stable	43-56 weeks	Manufacturer is already in full capacity.
Automotive parts	Stable	On allocation	

MONTHLY MARKET UPDATE - CONTINUED

MEMORY

MACRONIX

Part/Series	Pricing	Lead Time	Notes
NOR Flash - MX25 Series	Increasing	26-32 weeks or more	These parts are on allocation. Prices are increasing due to market demand and long lead times. The situation is not expected to recover this year.
NAND Flash - MX29 Series		26 weeks or more	

MICRON

Part/Series	Pricing	Lead Time	Notes
DDR3	Increasing	24-32 weeks	
DDR4	Increasing	32-40 weeks	
MT25 Series (NOR Flash)	Increasing	26-47 weeks	Prices are improving. Lead times are longer for high density parts.
MT28 Series (NOR Flash)	Increasing	26-51 weeks	Prices are improving.

WINBOND

Part/Series	Pricing	Lead Time	Notes
NOR Flash - W25 Series	Stable	22-31 weeks or more	32M & 64M on allocation

ISSI

Part/Series	Pricing	Lead Time	Notes
DRAM/IS4 Series	Increasing	14-24 weeks	Expecting price increases in Q3.
NOR Flash, IS25 / IS26 Series	Stable	40 weeks or more	Hard to support

DISCRETES

VISHAY

Part/Series	Pricing	Lead Time	Notes
Ex-Siliconix, S1xxxx / SQxxxx / 2Nxxxx Series	Increasing	52-62 weeks or more	The market remains in shortage for MOSFETs.
Infrared Emitters, TSAL Series	Increasing	27-30 weeks or more	

INFINEON

Part/Series	Pricing	Lead Time	Notes
MOSFET BSSxxx / Motor Controller BTNxxx / Power Switch IC BTSxxx / PMIC TL Series	Increasing	34-52 weeks or more	Shortage and lead times are worsening, especially on product from Malaysia due to EMCO.
IR Series	Increasing	30-52 weeks	

ON SEMICONDUCTOR

Part/Series	Pricing	Lead Time	Notes
Ex-Fairchild Series	Increasing	Up to 54 weeks	There is insufficient capacity and market pricing is subject to market demand.
Ex-Aptina Series	Increasing	47-52 weeks or more	There is insufficient capacity.

LITTELFUSE

Part/Series	Pricing	Lead Time	Notes
TVS & ESD Series	Increasing	35-50 week or more	Lead times are increasing due to capacity issues.
Fuse & PTC Fuse	Stable	14-30 weeks	
Thyristors & Varistors	Stable	35-50 weeks or more	

MONTHLY MARKET UPDATE - CONTINUED

PASSIVES

TAIYO YUDEN

Part/Series	Pricing	Lead Time	Notes
High capacitance MLCCs	Increasing	Extended	Taiyo Yuden partially resumed its Malaysian fab operations on June 14 and activated 60% of its work force in accordance with domestic regulations, gradually ramping up its domestic capacity utilization rate to 80%. However, given the extension of MCO 3.0 through July, Taiyo Yuden's capacity will be further affected.
Standard MLCCs		24-28 weeks	Certain shortage parts have lead times of 40 weeks or more.
Automotive MLCCs		40 weeks or more	Subject to confirmation

YAGEO

Part/Series	Pricing	Lead Time	Notes
Common MLCCs	Stable	10-12 weeks	Certain shortage parts have lead times of 20-24 weeks.
Resistors with COO Taiwan	Increasing	20-32 weeks	In shortage
Resistors with production in Malaysia, e.g. RT, AT, RE, PE Series	Increasing	20-24 weeks or more	MFR is not accepting some new orders with high capacitance.

VISHAY

Part/Series	Pricing	Lead Time	Notes
Resistors, TNPUxxx Series, CRHV xxx Series, NOMCTxxx Series	Increasing	23-52 weeks	In shortage

SAMSUNG ELECTRO-MECHANICS

Part/Series	Pricing	Lead Time	Notes
Large cap sizes, 1206 - 106/475/476/107	Increasing	20 weeks or more	These parts are on allocation due to limited capacity.

MURATA

Part/Series	Pricing	Lead Time	Notes
Standard MLCCs	Increasing	20-24 weeks	Dielectric materials (C8 C7 D7 Z7) are in shortage.
Automotive MLCCs, especially for high capacitance e.g. 226, 475, 476, 107	Increasing	24 weeks or more	On allocation
Ferrite Beads BLM Series	Increasing	20-24 weeks	Raw material is in shortage.

TDK

Part/Series	Pricing	Lead Time	Notes
Standard MLCCs	Unstable	20-24 weeks	Parts using dielectric X7T that are in shortage are on allocation.
Inductors/Ferrite Beads/Filters, MMZ/MPZ/MLZ Series		16-28 weeks	In shortage
Automotive parts, e.g. MLF2012		20-24 weeks	Due to a capacity issue, these parts are subject to confirmation and are on allocation.
Automotive parts, Cap Size 0805/1206/1210 with capacitance 475;106;225		On allocation	
ACT, ADL, CLF (with suffix D)		16-24 weeks	In shortage

MONTHLY MARKET UPDATE - CONTINUED

- Most memory pricing is fixed at the time of delivery.
- Manufacturer's deliveries are impacted by wafer allocation.
- Lead times for most active ICs remain long.
- Malaysia's EMCO (Enhanced Movement Control Order) might impact some production and OSAT capacity.
- Memory and system chips are seeing the biggest increases in pricing for 2021.
- NOR flash prices are expected to soar in 3Q21. Prices could increase by as much as 30% due to a tightened supply of memory chips.
- The shortage for NOR flash components can be attributed to increased demand in the following products:
 - Next-gen smartphones
 - Wireless stereo earbuds and headphones
 - 5G base stations

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