

## MONTHLY MARKET UPDATE - NOV. 20, 2020

MEMORY

DISCRETES

CONNECTORS

PASSIVES

### MICROCHIP / ATMEL

Part/Series	Pricing	Lead Time	Notes
PIC / MCP Series	Stable	16 - 20 weeks	There is tight production capacity due to the global wafer shortage.
ATMEGA Series		20+ weeks	
LAN8710AI-EZK-TR		16 - 20 weeks	
Ex-Micrel Series		12 weeks	

### MAXIM INTEGRATED

Part/Series	Pricing	Lead Time	Notes
Interface product, e.g. MAX3232, MAX485, MAX3089 and MAX3053		16+ weeks	Lead times are unstable.
Automotive parts		14 - 16+ weeks	Automotive parts are in shortage.
Consumer products		20+ weeks	

### ANALOG DEVICES

Part/Series	Pricing	Lead Time	Notes
ADUM1201ARZ, ADUM1201CRZ, ADUM1200ARZ	Stable	Increasing	These parts are affected by the wafer shortage and are expected to be affected again in February/March 2021.

### CYPRESS

Part/Series	Pricing	Lead Time	Notes
CY7C/CY8C, CYUSBxxx, CYPD5xxx Series	Immediate stock pricing doubled from lead time offers.	18 - 32 weeks	Unable to pull in due to the global shortage of wafer.

### XILINX

Part/Series	Pricing	Lead Time	Notes
Lead time orders	Increasing 25%	Stable	

### ST MICROELECTRONICS

Part/Series	Pricing	Lead Time	Notes
STM32F0/F1	Increased 2 - 3 times	24 - 30+ weeks	ST Microelectronics' fab cut down production for F0 & F1 to aid higher demand for 5G related products.
STM8S* and STM8L	Increasing	Extended from 16 weeks to 24 weeks	ST Microelectronics has insufficient capacity.
LIS Series	Increasing	Increasing	Forecasted shortage conditions in 1Q21.

### TEXAS INSTRUMENTS

Part/Series	Pricing	Lead Time	Notes
TPA Series	Increasing	20+ weeks	All audio series parts are on shortage. The market is running out of stock.
TPS Series /BQ Series/ISO Series/SN Series	Increasing	26 - 30 weeks	Some parts are expected to be in shortage until Q3 2021.

### NXP / FREESCALE

Part/Series	Pricing	Lead Time	Notes
LPC Series	Increasing	28 - 32 weeks	There are no signs of recovery.
Sensors		26+ weeks	It's difficult to have confirmation on delivery schedules.
Freescale parts - MCU	Increasing	Extended to 26 - 39 weeks	Lead times are extended due to the wafer shortage. The wafer shortage is expected to continue until Q2 2021.

## MONTHLY MARKET UPDATE - CONTINUED

### MEMORY

#### SAMSUNG

Part/Series	Pricing	Lead Time	Notes
PC market - PCIe SSD	Increased by 10%		Notebooks are seeing demand increases in Q4 from the year-end Thanksgiving/Christmas season.

#### KINGSTON

Part/Series	Pricing	Lead Time	Notes
32-128GB Flash Cards	Decreased 8% - 10%		
256-512GB Flash Cards	Decreased 4% - 5%		
USB Drives	Decreased 2% - 3%		Immediate stock is available in the market.
Server RAM	Stable		On allocation due to limited QTY available.

#### WINBOND

Part/Series	Pricing	Lead Time	Notes
64 Mbit SPI Flash	Increased by 20% - 30%	16 - 18+ weeks	Due to increase demand on wireless earbuds, Winbond is not taking in new orders.
32 Mbit SPI Flash	Increased by 20% - 30%	16 - 18+ weeks	On shortage and subjected to allocation.
16Mbit and below	Increased by 20% - 30%	Extended	Market demand is dropping and might cause price increases.

#### ISSI

Part/Series	Pricing	Lead Time	Notes
DDR3	Stable		

#### SKYHIGH

Part/Series	Pricing	Lead Time	Notes
NAND Flash	Stable	4 - 6 weeks	All densities

#### MACRONIX

Part/Series	Pricing	Lead Time	Notes
Below 128 Mbit	Increased by 10% - 30%	26+ weeks	Tight support

### DISCRETES

#### ON SEMICONDUCTOR

Part/Series	Pricing	Lead Time	Notes
Standard logic, Op-amp and AC-DC		30 weeks	On shortage due to lack of capacity to support sudden customer demand in 2H20.
IGBT & MOSFETs		Up to 25+ weeks	Overall demand is increasing.

#### INFINEON

Part/Series	Pricing	Lead Time	Notes
8" Wafer parts	Increasing	Unstable/Extended	Due to the wafer shortage, 8" wafer parts will be replaced by 12" wafer.

#### LITTELFUSE

Part/Series	Pricing	Lead Time	Notes
TVS Diodes /154 Series			Manufacturer's capacity and delivery schedules are tight.

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### CONNECTORS

#### MOLEX

Part/Series	Pricing	Lead Time	Notes
All parts with Country of Origin Ireland, Malaysia, India, & United States	Increased 10%	Further extended 8 weeks	Manufacturer's capacity and delivery schedules are tight.

#### TE CONNECTIVITY

Part/Series	Pricing	Lead Time	Notes
IM Series Relay	Unstable	35 - 52+ weeks	On allocation

### PASSIVES

#### AKM (ASAHI KASEI MICROSYSTEMS)

Part/Series	Pricing	Lead Time	Notes
DAC Series (AK4332, AK4331, AK4432, AK4382, AK4385, AK4396, AK4431, AK4456, AK4490, AK4493, AK4495) ADC Series (AK5384, AK5385, AK5386, AK5397, AK5534)			It's expected to take 6 -12 months to restore production due to the AKM factory fire in October.

#### LITTELFUSE

Part/Series	Pricing	Lead Time	Notes
All parts with County of Origin Mexico		20 - 23 weeks	
All parts with County of Origin Philippines		16 - 18 weeks	
Fuse/ 452 451 Series			Manufacturer's capacity and delivery schedules are tight.

#### ABRACON

Part/Series	Pricing	Lead Time	Notes
Prefix AS/AB	Increasing	16 - 20 weeks	These product families are impacted by the AKM fire.
ILSI Series (Prefix "I5/I7")	Increasing	16 - 20 weeks	These product families are impacted by the AKM fire.
MMD Series (Prefix "MT")	Increasing	16 - 20 weeks	These product families are impacted by the AKM fire.

#### MURATA

Part/Series	Pricing	Lead Time	Notes
LBAD0XX1SC-*** 1SC; LBAD0XX1WG-*** 1WG; LBAA0QB1SJ-*** 1SJ; CMWX1ZZABZ-*** ABZ; 88-00153-** SN8000		20+ weeks	Lead times are impacted by a raw material delivery issue.

#### SAMSUNG ELECTRO-MECHANIC

Part/Series	Pricing	Lead Time	Notes
Sizes 0603 - 106 and 226	Stable	Improving	Shortage conditions are improving.

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