

## MONTHLY MARKET UPDATE - DEC. 15, 2020

MEMORY

DISCRETES

CONNECTORS

PASSIVES

### CYPRESS

Part/Series	Pricing	Lead Time	Notes
Ex-Ramtron Series	Increasing	Increasing	
Ex-Expansion Series	Increasing		
CY7C/CY8C, CYUSBxxx, CYPD5xxx Series	Immediate stock pricing has increased double from the lead time offer	18 - 32 weeks	Unable to pull in due to the global wafer shortage.

### RENESAS

Part/Series	Pricing	Lead Time	Notes
Legacy Analog and Power Products	Increasing	Increasing	Due to raw material and packaging cost increases, any shipments after Jan 1st, 2021 will see pricing and lead time increases.

### MAXIM INTEGRATED

Part/Series	Pricing	Lead Time	Notes
Automotive range of parts	Stable	24+ weeks	
DSxxx Series		Increasing	Immediate stock QTY in the market is decreasing.

### NXP / FREESCALE

Part/Series	Pricing	Lead Time	Notes
LPC Series	Increasing	28 - 36 weeks	Delivery schedules are becoming unstable.
Ex-Freescale MCUs & Sensors	Increasing	26 - 39 weeks	This condition might continue until Q2 2021.
NFC Chips	Increasing	Increasing	Supply is tight due to an increase on demand.

### ST MICROELECTONICS

Part/Series	Pricing	Lead Time	Notes
STM32F0/F1	Increasing	24 - 30+ weeks	Fab cut down the production for F0 & F1 due to higher demand 5G-related products.
STM8S* and STM8L	Increasing	Extended from 16 weeks to 24 weeks	Manufacturer has insufficient capacity.

### MICROCHIP

Part/Series	Pricing	Lead Time	Notes
ATMEGA series	Increasing	16 - 22+ weeks	In shortage - lead times are subjected to MPN.
Ex-SMSC (LANxxx / USBxxx Series)	Unstable	16+ weeks	Lead times are increasing.
PIC Series		Increasing	

### XILINX

Part/Series	Pricing	Lead Time	Notes
XC6xxx Series	Increasing	20 weeks	Lead times and market pricing are increasing.
XCF04xxx Series	Increasing	20 weeks	Lead times and market pricing are increasing.

### ANALOG DEVICES

Part/Series	Pricing	Lead Time	Notes
AD822, AD620, AD8605, AD7890	Stable	20 - 32 weeks	Unable to pull in
AD622, ADUM Series	Stable	20 - 26 weeks	Unable to pull in

## MONTHLY MARKET UPDATE - CONTINUED

### SILICON LABS

Part/Series	Pricing	Lead Time	Notes
SI4xxx Series	Increasing	20+ weeks	Unstable
EFR Series 2 / Modules / Redpine ICs / RM21 / WF200		24 weeks	
EFM32 Gemstone -		20 weeks	
EFM32GG11/GG1 2/TG11/JG1/PG1			
EFR Series 1 - EFR32BG1/FG1/M G1		20 weeks	

### TEXAS INSTRUMENTS

Part/Series	Pricing	Lead Time	Notes
TPSxxx Series	Increasing	Up to 24 weeks	
BQxxx / TPAxxx Series	Increasing	20 - 26 weeks	

## MONTHLY MARKET UPDATE - CONTINUED

### MEMORY

#### ADESTO

Part/Series	Pricing	Lead Time	Notes
AT25SF041/081/161/ 321			This series is in a phase-out stage.  The manufacturer is not accepting new lead time orders.

#### MICRON

Part/Series	Pricing	Lead Time	Notes
NAND Flash	Increasing 10% - 20%	8 - 12+ weeks	Reaching full capacity
DRAM, Modules, SSD & NOR Flash	Increasing 5%	6 - 10 weeks	NOR Flash & eMMC pricing is valid for 90 days. The others are valid for 30 days.

#### MACRONIX

Part/Series	Pricing	Lead Time	Notes
NOR Flash - below 128 Mbit	Increasing	24+ weeks	This series is affected by 8-inch wafer capacity and its expected pricing will increase 15% - 20%.

### DISCRETES

#### ON SEMICONDUCTOR

Part/Series	Pricing	Lead Time	Notes
Standard Logic, MOSFETs and Diodes	Increasing	30+ weeks	Wafer shortage and lack of demand forecast with customer

#### INFINEON

Part/Series	Pricing	Lead Time	Notes
BSCxxx / BTSxxx Series	Unstable	16 - 32 weeks	
IRxxxx Series	Unstable	16 - 26 weeks	

#### VISHAY

Part/Series	Pricing	Lead Time	Notes
Siliconix/ MOSFETs	Increasing	16+ weeks	

### CONNECTORS

#### TE CONNECTIVITY

Part/Series	Pricing	Lead Time	Notes
IM Series Relay	Unstable	52+ weeks	On allocation
Parts shipped via Sea-Freight		Further extended for 2 - 4 weeks	
Parts with Country of Origin United States and Mexico		20 - 24 weeks	

#### MOLEX

Part/Series	Pricing	Lead Time	Notes
Parts with Country of Origin United States and Mexico		Further extended for 2-8 weeks	

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### PASSIVES

#### VISHAY

Part/Series	Pricing	Lead Time	Notes
MLCCs	Unstable	Increasing	Tight capacity. Lead times are subjected to manufacturer confirmation.
Tantalum Capacitors	Unstable	Increasing	Tight capacity. Lead times are subjected to manufacturer confirmation.

#### SUMIDA

Part/Series	Pricing	Lead Time	Notes
Inductors - e.g CDRH127 Series	Stable	Increasing	Material in shortage

#### AVX

Part/Series	Pricing	Lead Time	Notes
Tantalum capacitors		30+ weeks	
MLCCs - Capacitance 105 & 106			On allocation and in shortage conditions.

#### MURATA

Part/Series	Pricing	Lead Time	Notes
Inductors - LQP03 & LQG12 series	Stable		In shortage
MLCCs - GJM series	Stable	20+ weeks	
Parts with COG material and high capacitance (e.g. 0603/1206 - 106)			In shortage
Small cap size (0402) automotive parts		Increasing	Demand is increasing

#### YAGEO

Part/Series	Pricing	Lead Time	Notes
MLCCs	Stable	10 - 12 weeks	Manufacturer is operating at 80-85% capacity.