MONTHLY MARKET UPDATE

MARCH 2022

MEMORY | DISCRETES | PASSIVES | CONNECTORS | LOGIC | MICROCONTROLLERS | ANALOG

- Automotive MCUs continue to remain in high demand
- STMicroelectronics STM32F series is on allocation due to tight production capacity; market prices are increasing
- NOR Flash and eMMC pricing is fluctuating

MEMORY

Manufacturer	Part/Series	Pricing	Lead Time	Notes
Micron	DDR3, MT41 series	Decreasing	26 weeks or above	Prices for i-Temp are rising
	DDR4, MT40 series	Increasing	26 weeks or above	
	eMMC	Downtrend	26 weeks or above	
	NOR Flash, MT25 series	Unstable	26 weeks or above	
ISSI	DRAM, IS4 series	Stable	20-30 weeks or above	
	NOR Flash, IS25 series	Stable	24-26 weeks or above	
	SRAM, IS62 series	Stable	24-26 weeks or above	
Cypress	FRAM, FM24xxx/ FM25xxx series	Increasing	26-52 weeks or above	On allocation. Price may change upon shipment.
Winbond	NOR Flash, W25 series	Increasing	8-12 weeks or above	
Macronix	NOR Flash - MX25 series	Stable	20 weeks or above	
	NAND Flash - MX29 series	Increasing	20 weeks or above	Price increasing 15%-20%.

DISCRETES

Manufacturer	Part/Series	Pricing	Lead Time	Notes
onsemi	PMIC, NCVxxx series	Increasing	35-80 weeks or above	Demand increasing due to electric vehicle applications. Certain part numbers have lead times of more than 100 weeks.
	PMICs, NCPxxx series		40-80 weeks or above	Demand increasing due to EV applications.
	Zener diode, SZxxx series		40-80 weeks or above	
	MOSFET, BSSxxx series		40-80 weeks or above	
	Rectifiers, BASxxx, MMBxxx series		44-56 weeks or above	
	MOSFET, NTDxxx series		48-56 weeks or above	
Infineon	MOSFET, BSSxxx/ BSCxxx/ BSZxxx series	Increasing	52-90 weeks or above	
	MOSFET, IRFxxx series		52-60 weeks or above	
	IGBT, IKxxx series		52-80 weeks or above	
	MOSFET, IPWxxx series		52-60 weeks or above	
	PMIC, TLE9262/9263		50 weeks or above	Spot buy price increasing.
	PMIC, BSP742/752		52-90 weeks or above	
	PMIC, BTSxxx/BTTxxx series		52-90 weeks or above	
Nexperia	MOSFET, BUKxxx/ PMPBxxx series	Increasing	72-98 weeks or above	Lead times further extended. Certain part numbers have lead times of more than 100 weeks. Auto grade devices might have longer lead times.
	TVS, PESDxxx series		52-98 weeks or above	Lead time unstable. Auto grade devices may have longer lead times.
	MOSFET, PSMNxxx series		72-98 weeks or above	
	Zener Diode, BZXxxx/ PDZxxx series		72-98 weeks or above	
	Rectifier, BASxxx series		53-90 weeks or above	Lead time unstable.

DISCRETES - Continued

Manufacturer	Part/Series	Pricing	Lead Time	Notes
Diodes Inc.	MOSFET, BSSxxx/ DMCxxx/ DMGxxx series	Increasing	47-70 weeks or above	Lead times are unstable. Most of production's capacity are allocated for automotive and power management products.
	TVS Diodes, SMxxx series	Increasing	40-52 weeks or above	
	Rectifier, BATxxx/ SBRxxx series	Increasing	44-80 weeks or above	
	Bipolar Transistors - BJT, MMxxx series	Increasing	45-60 weeks or above	
	Bipolar Transistors - BJT, MMxxx series		45-60 weeks or above	
Vishay	Low Voltage MOSFET, SIR/SIRA series	Increasing	52-100 weeks or above	Lack of stock in the market.
	Opto-couplers, SFHxxx series	Increasing	40-90 weeks or above	
	MOSFET, SUDxxx series	Increasing	52-80 weeks or above	Auto grade devices are on shortage.
	MOSFET, SIxxx series	Increasing	52-90 weeks or above	Lead time orders do not have a confirm date.
STMicroelectonics	MOSFET, STB/ STD/ STF series, etc	Stable	52-60 weeks or above	

PASSIVES

Manufacturer	Part/Series	Pricing	Lead Time	Notes
Murata	Inductor and thermistor	Stable	20 weeks or above	
	Ferrite Beads, BLM series	Increasing	30 weeks or above	On allocation, with demand increasing.
	High Capacitance MLCC, 106 / 107 / 476 / 226 with Cap size: 1206 / 1210	Stable	24 weeks or above	
Taiyo Yuden	High Cap, EMKxx series, e.g. 107	Stable	43 weeks or above	
	High Cap, GMKxx series, e.g. 106	Stable	26 weeks or above	
	Normal MLCC	Stable	20-24 weeks	
	Auto grade MLCC	Stable	28-32 weeks	
TDK	Normal MLCC	Increasing	20-24 weeks	High capacitance devices are still on shortage with long lead times.
	Ferrite Beads & Filters	Increasing	30 weeks or above	On allocation. The ACM series lead time is at 32 weeks or above.

ELECTROMECHANICAL / CONNECTORS

Manufacturer	Part/Series	Pricing	Lead Time	Notes
TE Connectivity	General Connector	Stable	20-25 weeks	Raw material shortage. Lead times for auto grade devices extended.
	IM Relay	Stable	52 weeks or above	
Molex	General	Stable	45-52 weeks or above	Raw material shortage.

PROGRAMMABLE LOGIC

Manufacturer	Part/Series	Pricing	Lead Time	Notes
Xilinx	Spartan 3, XC3S series, FPGA	High/ Stable	30-52 weeks or above	
	Spartan 6, XC6S series, FPGA	High/ Stable	52-70 weeks or above	Xilinx issue with their wafer fab has the series on shortage.
	Spartan 7, XC7S series, FPGA	Increasing	52-70 weeks or above	
	Artix 7, XC7A series, FPGA		52-70 weeks or above	
	Kintex 7, XC7K series, FPGA		52-70 weeks or above	
Altera	Cyclone III, EP3C series, FPGA	Increasing	50-70 weeks or above	On allocation. Market prices continue to increase.
	Cyclone IV, EP4C series, FPGA		50-70 weeks or above	
	MAX II, EPM1/ EMP2/ EPM5 series CPLD		45-52 weeks or above	
	Max V, 5Mxxx series, CPLD		50-70 weeks or above	

MICROCONTROLLERS & PROCESSORS

Manufacturer	Part/Series	Pricing	Lead Time	Notes
NXP / Freescale	S32K1XX family, FS32K142/144/146 series	Unstable	52-100 weeks or above	Some stock available and released to the market.
	Legacy MCU/ MPU, ColdFire, e.g. MCF52xxx	Increasing	52-78 weeks or above	Lead time stretched.
	MCU Kinetis - KL, MKxxx series	Increasing	63-100 weeks or above	Lead time further stretched. Limited stock available in the market.
	MPU/MCU, SPC series, Auto grade, e.g. SPC5606/ 5602/ 5604	Increasing	52 weeks or above	Due to low production capacity, schedule for lead time orders are further pushed out and delinquent.
	MPU, i.MX 6 series, Auto grade, e.g. MCIMX6Sxxx, MCIMX6Qxxx	Increasing	52-70 weeks or above	
STMicroelectronics	8-bit MCU, STM8 series	Increasing	52 weeks or above	On allocation.
	32-bit MCU, STM32 series	Increasing	52 weeks or above	On allocation, especially for STM32F10x/ STM32F40x / STM32Lxxx.
Microchip	ex-Atmel MCU, ATMEGA series	Increasing	52-70 weeks or above	Lead times further stretched as market price remains high.
	ex-Atmel MCU, AT91xxx series	Increasing	52-65 weeks or above	
	MCU, PIC16xxx/ PIC18xxx series	Increasing	52 weeks or above	Lead time further stretched.

ANALOG & COMPLEX ICs

Manufacturer	Part/Series	Pricing	Lead Time	Notes
Texas Instruments	Auto grade IC	Increasing	35-85 weeks or above	On allocation.
	Logic IC, SN74 series	Stable/ High	35-80 weeks or above	
	DSP, TMSxxx series	Increasing	52-80 weeks or above	PS5/TPS8 (Switching Regulator, Dc/DC convertor) still on shortage.
	PMIC, LMxxx series	Increasing	35-70 weeks or above	
Analog Devices	OpAmp, OPxxx series	Increasing	52-90 weeks or above	Delivery delinquent and seeing market shortage. Spot buy price increasing.
	OpAmp, AD62xxx series	Increasing	52-90 weeks or above	
	OpAmp, AD86xxx series	Increasing	52-90 weeks or above	
	Interface, ADMxxx series	Increasing	52-90 weeks or above	
	Digital Isolators, ADUMxxx series	Increasing	52-90 weeks or above	
	ex-Linear Tech series, LTxxx series	Increasing	52-60 weeks or above	Certain part numbers have lead times of more than 100 weeks. Market price has increased 5%-25%.
Microchip	ex-SMSC series, e.g. LANxxx, USBxxx	Stable/ High	52-80 weeks or above	Not much improvement on supply.
	ex-Micrel series, e.g. KSZxxxx, MICxxx	Stable/ High	52-80 weeks or above	

ANALOG & COMPLEX ICs - Continued

Manufacturer	Part/Series	Pricing	Lead Time	Notes
NXP / Freescale	Interface, TJAxxx series	Stable	52 weeks or above	Certain devices still have long lead times.
	Interface, PCA series	Stable	52 weeks or above	
	Timing IC, PCF2/ PCF8 series	Increasing	30-52 weeks or above	Due to low production capacity, schedule for lead time orders are further push out and delinquent.
STMicroelectronics	IMU/MEMS, LISxxx / LSMxxx series	Stable	52-80 weeks or above	
Maxim Integrated	General	Increasing	50-90 weeks	Due to wafer issue, lead time further stretched.
	Real Time Clock, e.g. DS1302, DS1304, DS3231, etc.	Increasing	40-60 weeks or above	Delivery delinquent.
	Interface IC, e.g. DS2490B+, MAX13085, MAX14783, etc.	Increasing	44-56 weeks or above	
Nexperia	Logic, 74xxx series	Stable	53-98 weeks or above	Lead time unstable. Auto grade devices might have longer lead times.
onsemi	Logic, 74xxx series	Stable	27-50 weeks or above	
Diodes, Inc.	LED Driver, ALxxx series	Increasing	50-80 weeks or above	Lead time extended.

A2 GLOBAL®
electronics + solutions

WHO IS A2 GLOBAL ELECTRONICS + SOLUTIONS?

We provide customers with easy, fair, and uncomplicated electronic component distribution and supply chain solutions.

Our business is built around our people, and our success is built on their relationships.

WHAT SOLUTIONS DO WE OFFER?

We offer a full-range of supply chain solutions including shortage mitigation, excess inventory solutions, cost reduction services, obsolescence management and customized solutions based based on customers' needs.

WHERE DO WE GLOBAL OPERATE?

We have 13 global offices and five warehosues in the Americas, EMEA, and APAC regions.

For a full list of our locations, visit our website at a2globalelectronics.com

Industries We Serve:

- Healthcare
- Lighting / LED
- Oil & Gas
- Automotive
- Energy
- Military
- Aerospace
- Cloud
- Embedded
- Consumer
- Industrial
- Telecom
- Security

...AND MANY OTHERS.

YOUR *GO-TO* RESOURCE FOR SOURCING ELECTRONIC COMPONENTS

SHORTAGE MITIGATION

Address unexpected electronic component shortages caused by extended lead times, changed forecasts, and other supply chain disruptions.

EXCESS INVENTORY

We will provide a comprehensive assessment of your excess inventory value with expert recommendations on the quickest way to maximize inventory value recovery.

COST REDUCTION

Lower the cost of components beyond single buys with benchmarking programs, volume buys, and lifecycle analysis.

OBSOLESCENCE MANAGEMENT

Source EOL products, facilitate multi-year purchases (MYP), and receive Life Cycle Assessment (LCA) support for the preemptive planning of at-risk components.

GLOBAL SOURCING

Find the components you need — at the right price — from our sourcing hubs in the Americas, Asia, Japan, and Europe.

WE ARE YOUR GLOBAL PARTNER

Contact A2 today to learn more:

a2globalelectronics.com