A2 GLOBAL® electronics + solutions

MONTHLY MARKET UPDATE

MAY 2022

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

- Our spotlight on semiconductor shortage continues. This time, we examine how substrate scarcity is driving chip shortages — and what that could mean for 2022 and beyond. **Read more >>**
- When global politics upend the semiconductor supply chain, it creates a host of issues. Find out how to limit its impact on your business. **Read more >>**
- Safety stock protects businesses during shortages, but can cause harm once they end. These four considerations can help determine whether to bolster it: **Read more >>**

MEMORY

Manufacturer	Part/Series	Pricing	Lead Time	Notes
Micron	DDR3, MT41 series	Stable	36 weeks or above	
	DDR4, MT40 series	Stable	26-36 weeks or above	
	eMMC	Stable	26-36 weeks or above	
	NOR Flash, MT25 series	Stable	36 weeks or above	
	NOR Flash, MT29 series	Stable	26-36 weeks or above	
ISSI	DRAM, IS4 series	Stable	22-36 weeks or above	Standard lead times have been extended
	NOR Flash, IS25 series	Stable	30-40 weeks or above	
	SRAM, IS6 series	Stable	14-28 weeks or above	
Cypress	FRAM, FM24xxx/ FM25xxx series	Increasing	40-52 weeks or above	Currently on allocation. Pricing may change upon shipment. Lead time orders might not have confirmation date. Market running low on inventory.
Winbond	NOR Flash, W25 series	Increasing	12-22 weeks or above	
Macronix	NOR Flash - MX25 series	Stable	24 weeks or above	
	NAND Flash - MX29 series	Increasing	28 weeks or above	

DISCRETES

Manufacturer	Part/Series	Pricing	Lead Time	Notes
onsemi	PMIC, NCVxxx series	Increasing	24-54 weeks or above	Certain parts show more than an 80 week lead time
	PMICs, NCPxxx series	Increasing	24-54 weeks or above	Certain parts show more than an 80 week lead time
	Zener diode, SZxxx series	Increasing	24-54 weeks or above	
	Rectifiers, BASxxx, MMBxxx series	Increasing	34-54 weeks or above	
	MOSFET, BSSxxx series	Increasing	37-54 weeks or above	
	MOSFET, NTDxxx series	Increasing	30-54 weeks or above	Certain parts show more than an 80 week lead time
	MOSFET, FDxxx series	Increasing	26-54 weeks or above	Market demand has dropped. Pricing is becoming stable.
	MOSFET, 2Nxxx series	Increasing	28-54 weeks or above	
	OpAmp/Comparator, LMxxx series	Increasing	26-54 weeks or above	Limited stock available in the market; price remains high.
Infineon	MOSFET, BSSxxx/ BSCxxx/ BSZxxx series	Increasing	52-80 weeks or above	Stock availability is subject to allocation
	MOSFET, IRFxxx series	Stable	30 weeks or above	
	IGBT, IKxxx series	Increasing	53 weeks or above	
	MOSFET, IPWxxx series	Increasing	52-60 weeks or above	
	PMIC, TLE9262/9263	Stable	43-52 weeks or above	Stock availability is subject to allocation
	PMIC, BSP742/752	Increasing	52-80 weeks or above	Stock availability is subject to allocation
	PMIC, BTSxxx/BTTxxx series	Stable	52-70 weeks or above	Stock availability is subject to allocation
Nexperia	TVS, PESDxxx series	Increasing	52-80 weeks or above	
	MOSFET, BUKxxx/ PMPBxxx series	Increasing	52-80 weeks or above	
	MOSFET, PSMNxxx series	Increasing	52 weeks or above	
	Zener Diode, BZXxxx/ PDZxxx series	Increasing	52 weeks or above	
	Rectifier, BASxxx series	Increasing	52 weeks or above	

Back to Page 1

DISCRETES - Continued

Manufacturer	Part/Series	Pricing	Lead Time	Notes
Diodes Inc.	MOSFET, BSSxxx/ DMCxxx/ DMGxxx series	Increasing	40-54 weeks or above	Lead time is unstable. Most of the production is allocated for automotive and power management products.
	TVS Diodes, SMxxx series	Increasing	50-54 weeks or above	
	Rectifier, BATxxx/ SBRxxx series	Increasing	45-60 weeks or above	
	Bipolar Transistors - BJT, MMxxx series	Increasing	34-54 weeks or above	
	Bipolar Transistors - BJT, MMxxx series		45-60 weeks or above	
Vishay	Low Voltage MOSFET, SIR/SIRA series	Increasing	54-90 weeks or above	Market lack of stock. Some devices have lead times over 100 weeks.
	Opto-couplers, SFHxxx series	Increasing	45-90 weeks or above	
	MOSFET, SUDxxx series	Increasing	52-90 weeks or above	
	MOSFET, SIxxx series	Increasing	52 weeks or above	Production delay from Xi'an site
STMicroelectonics	MOSFET, STB/ STD/ STF series, etc	Stable	42-52 weeks or above	Lead times have improved.

PASSIVES

Manufacturer	Part/Series	Pricing	Lead Time	Notes
Murata	Inductor and thermistor	Stable	20-30 weeks or above	
	Ferrite Beads, BLM series	Increasing	21-30 weeks or above	Demand is increasing and on allocation.
	Automotive MLCC	Increasing	20 weeks or above	Production capacity increased.
KEMET	Tantalum Capacitor, T520 series	Increasing	44-54 weeks or above	
	Tantalum Capacitor, T49 series, siza B, C, D	Increasing	24-40 weeks or above	Lead time for Size A is around 12 weeks.
Samsung Electro-mechanics	Automotive MLCC	Stable	10-28 weeks or above	Market on demand and manufacturer has more ability to support.

Back to Page 1

ELECTROMECHANICAL / CONNECTORS

Manufacturer	Part/Series	Pricing	Lead Time	Notes
TE Connectivity	General Connector	Stable	20-38 weeks	Raw material shortage. If COO is Europe or US, lead time is longer - 28-35 weeks

PROGRAMMABLE LOGIC

Manufacturer	Part/Series	Pricing	Lead Time	Notes
Xilinx	Spartan 3, XC3S series, FPGA	High/ Stable	52 weeks or above	Remains high, but slightly adjust.
	Spartan 6, XC6S series, FPGA	High/ Stable	52 weeks or above	The series is still on shortage as issue with their wafer fab. Lead time for certain parts might be over 100 weeks.
	Spartan 7, XC7S series, FPGA	High/ Stable	52 weeks or above	The series is still on shortage as issue with their wafer fab. Lead time for certain parts might be over 65 weeks.
	Artix 7, XC7A series, FPGA	High/ Stable	52 weeks or above	Remains high but slightly adjust. The series is still on shortage as issue with their wafer fab.
	Kintex 7, XC7K series, FPGA	High/ Stable	52 weeks or above	The series is still on shortage due to wafer fab issue.
Altera	Cyclone III, EP3C series, FPGA	Stable	46-52 weeks or above	Still on allocation, but market price moving stable with downtrend due to more stock released to market.
	Cyclone IV, EP4C series, FPGA	Stable	45-52 weeks or above	Still on allocation, but market price moving stable.
	MAX II, EPM1/ EMP2/ EPM5 series CPLD	Stable	45-52 weeks or above	Still on allocation, but market price moving stable with downtrend due to more stock released to market.
	Max 10, 10Mxxx series, CPLD	Stable	36-45 weeks or above	Still on allocation but market price moving stable.

Back to Page 1

MICROCONTROLLERS & PROCESSORS

Manufacturer	Part/Series	Pricing	Lead Time	Notes
NXP / Freescale	S32K1XX family, FS32K142/144/146 series	Unstable	52-90 weeks or above	Some stock released to the market, but still on high demand. Lead time for certain parts are over 100 weeks.
	MCU, MCS9/S9 series, 48-LQFP package	Unstable	52-54 weeks or above	Shortage
	MCU Kinetis - KL, MKxxx series	Increasing	52-100 weeks or above	No improvement on lead time. Limited stock available in the market.
	MPU, i.MX 6 series, e.g. MCIMX6Sxxx, MCIMX6Qxxx	Increasing	52-80 weeks or above	On allocation. No improvement on lead time. Delivery unstable.
STMicroelectronics	8-bit MCU, STM8 series	Decreasing	52 weeks or above	On allocation. Market spot buy price drop, due to lower demand for most of the items.
	32-bit MCU, STM32 series	Stable	45-54 weeks or above	On allocation. Market spot buy price drop, due to lower demand for most of the series. STM32F4 series price still at high range.
Microchip	ex-Atmel MCU, ATMEGA series	Increasing	52 weeks or above	Tight production capacity. Market price remains high.
	ex-Atmel MCU, AT91xxx series	Increasing	30-52 weeks or above	Tight production capacity. Market price remains high.
	MCU, PIC16xxx/ PIC18xxx series	Increasing	45-52 weeks or above	Tight production capacity. Market price remains high.

Back to Page 1

ANALOG & COMPLEX ICs

Manufacturer	Part/Series	Pricing	Lead Time	Notes
Texas Instruments	Auto grade IC	Increasing	35-85 weeks or above	In shortage
	Logic IC, SN74 series	Stable	35 weeks or above	
	DSP, TMSxxx series	Stable	35 weeks or above	
	PMIC, LMxxx series	Stable	35 weeks or above	
Analog Devices	OpAmp, OPxxx series	Increasing	52-60 weeks or above	
	OpAmp, AD62xxx series	Increasing	52-60 weeks or above	
	OpAmp, AD86xxx series	Increasing	52-60 weeks or above	
	Interface, ADMxxx series	Increasing	39-54 weeks or above	Limited stock available in the market
	Digital Isolators, ADUMxxx series	Increasing	52-80 weeks or above	Limited stock available in the market
	ex-Linear Tech series, LTxxx series	Increasing	34-60 weeks or above	

ANALOG & COMPLEX ICs - Continued

Manufacturer	Part/Series	Pricing	Lead Time	Notes
Microchip	ex-SMSC series, e.g. LANxxx, USBxxx	Stable/ High	52 weeks or above	No improvement on supply due to wafer allocation problem.
	ex-Micrel series, e.g. KSZxxxx, MICxxx	Stable/ High	52 weeks or above	No change on supply, situation will not improve this year.
NXP / Freescale	Interface, TJAxxx series	Stable	39-52 weeks or above	Certain parts still on long lead time
	Interface, PCA series	Stable	35-52 weeks or above	Certain parts still on long lead time
Maxim Integrated	Real Time Clock, e.g. DS1302, DS1304, DS3231, etc.	Increasing	40-60 weeks or above	On allocation, delivery delinquent and unstable. Certain parts have lead times of more than 90 weeks.
	Interface IC, e.g. DS2490B+, MAX13085, MAX232, MAX3232, etc.	Increasing	26-48 weeks or above	
Nexperia	Logic, 74xxx series	Stable	43-80 weeks or above	Lead time unstable. Auto grade might have longer lead times.
onsemi	Logic, 74xxx series	Stable	22-54 weeks or above	Limited stock available in market, price remains high.
	Logic, NC7xxx series	Stable	22-54 weeks or above	Limited stock available in market, price remains high.

Back to Page 1

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

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