

MONTHLY MARKET UPDATE

JULY 2022

MEMORY

DISCRETES

PASSIVES

CONNECTORS

LOGIC

MICROCONTROLLERS

ANALOG

- Demand for DRAM has dropped. Manufacturers are expected to lower prices in the 2nd half of 2022.
- Automotive ICs demand has dropped, as well as automotive grade passive components.
- MCU supply is becoming stable.
- Market expected to be slow for the next couple of months.

MEMORY

Manufacturer	Part / Series	Pricing	Lead Time	Notes
Micron	DDR3, MT41 series	Decreasing	26 weeks or above	
	DDR4, MT40 series	Decreasing	26 weeks or above	
	eMMC	Decreasing	26 weeks or above	
	NOR Flash, MT25 series	High	36 weeks or above	Pricing remains high on certain parts.
	NOR Flash, MT28 series	High	36 weeks or above	
ISSI	DRAM, IS4 series	Stable	22-30 weeks or above	Standard lead times have been extended. Specific parts have even longer lead times.
	NOR Flash, IS25 series	Stable	20-30 weeks or above	
	SRAM, IS6 series	Stable	20-28 weeks or above	
Cypress	FRAM, FM24xxx/ FM25xxx series	Increasing	35-52 weeks or above	On allocation; pricing could change upon shipment. Lead time orders might not have a confirmation date. The market is running low of inventory.
Winbond	NOR Flash, W25 series	Increasing	24-30 weeks or above	
Macronix	NOR Flash - MX25 series	Stable	24 weeks or above	
	NAND Flash - MX29 series	Increasing	28 weeks or above	

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onsemi	PMIC, NCVxxx series	Increasing	27-65 weeks or above	Certain parts have more than an 80 week lead time.
	PMICs, NCPxxx series	Increasing	30-65 weeks or above	The market is short on this series.
	Zener diode, SZxxx series	Increasing	24-60 weeks	
	Rectifiers, BASxxx, MMBxxx series	Increasing	34-54 weeks or above	
	MOSFET, FDxxx series	Increasing	26-54 weeks or above	Market demand has dropped, but still remains with long lead times. Pricing is becoming stable.
	MOSFET, 2Nxxx series	Increasing	40-54 weeks or above	
Infineon	MOSFET, BSSxxx/ BSCxxx/ BSZxxx series	Increasing	52-72 weeks or above	Stock availability is subject to allocation.
	MOSFET, IRFxxx series	Unstable	30-52 weeks or above	Most of this series is not in shortage conditions. The market shows stock; except for the IRFPxxx series.
	IGBT, IKxxx series	Increasing	53 weeks +	
	MOSFET, IPWxxx series	Increasing	52 weeks +	
	PMIC, TLE9262/9263	Stable	43-52 weeks or above	Lead times are improving.
	PMIC, BSP742/752	Increasing	43-52 weeks or above	Lead times are improving.
	PMIC, BTSxxx/BTTxxx series	Stable	52-54 weeks or above	Lead times are improving.
Nexperia	TVS, PESDxxx series	Stable	52-65 weeks or above	Lead times for certain parts are over 80 weeks.
	MOSFET, BUKxxx/ PMPBxxx series	Stable	30-60 weeks or above	
	MOSFET, PSMNxxx series	Stable	35-52 weeks or above	
	Zener Diode, BZXxxx/ PDZxxx series	Stable	30-52 weeks or above	
	Rectifier, BASxxx series	Stable	27-52 weeks or above	
Diodes Inc.	MOSFET, BSSxxx/ DMCxxx/ DMGxxx series	Increasing	54-70 weeks or above	Lead times are unstable. Some parts have an 80-week lead time.
	TVS Diodes, SMxxx series	Increasing	39-50 weeks or above	
	Rectifier, BATxxx/ SBRxxx series	Increasing	33-54 weeks or above	Lead times are unstable. Some parts have an 80-week lead time.
	Bipolar Transistors - BJT, MMxxx series	Increasing	42-70 weeks or above	Lead times are unstable.

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DISCRETES - Continued

Manufacturer	Part/Series	Pricing	Lead Time	Notes
Vishay	Low Voltage MOSFET, SIR/SIRA series	Increasing	74-85 weeks or above	
	Opto-couplers, SFHxxx series	Increasing	50-80 weeks or above	
	MOSFET, SUDxxx series	Increasing	59-80 weeks or above	
	MOSFET, SIxxx series	Increasing	60-85 weeks or above	
STMicroelectronics	MOSFET, STB/ STD/ STF series, etc	Stable	50-70 weeks or above	

PASSIVES

Manufacturer	Part/Series	Pricing	Lead Time	Notes
Murata	Standard MLCC	Stable	14-24 weeks	
Kemet	Tantalum Capacitor, T520 series	Stable	24-40 weeks or above	
Samsung Electro-mechanics	Normal MLCC	Stable	22-24 weeks	Stock is available.
	Automotive MLCC	Stable	22-28 weeks or above	Delivery schedules are improving.

ELECTROMECHANICAL / CONNECTORS

Manufacturer	Part/Series	Pricing	Lead Time	Notes
TE Connectivity	General Connector	Increasing	20-38 weeks	The raw material shortage and backend costs are increasing.
Molex	General	Stable	20-52 weeks or above	The raw material shortage and orders are delinquent.

PROGRAMMABLE LOGIC

Manufacturer	Part/Series	Pricing	Lead Time	Notes
Xilinx	Spartan 3, XC3S series, FPGA	Decreasing	52 weeks or above	Demand remains high, but slightly adjust due to more supply in the market.
	Spartan 6, XC6S series, FPGA	Decreasing	52 weeks or above	The series is still on allocation. Market prices dropped due to more stock released to the market. High-end series remains in shortage and expensive.
	Spartan 7, XC7S series, FPGA	High/Stable	52 weeks or above	The series is still on allocation.
	Artix 7, XC7A series, FPGA	High/Stable	52 weeks or above	Demand remains high, but has slightly adjusted. The series is still in shortage conditions.
	Kintex 7, XC7K series, FPGA	High/Stable	52 weeks or above	The series is in shortage conditions due to their wafer fab issues.
Altera	Cyclone III, EP3C series, FPGA	Stable	46-52 weeks or above	Still on allocation, but market pricing is moving in a stable, but downward trend, due to more stock released to market. No improvement on lead times.
	Cyclone IV, EP4C series, FPGA	Stable	45-52 weeks or above	More inventory was released to the open market.
	MAX II, EPM1/EMP2/ EPM5 series CPLD	Stable	45-52 weeks or above	Still on allocation, but market prices are stable. No improvement on lead times.
	Max 10, 10Mxxx series, CPLD	Stable	36-45 weeks or above	Still on allocation, but market price is stable. No improvement on lead times.

MICROCONTROLLERS & PROCESSORS

Manufacturer	Part/Series	Pricing	Lead Time	Notes
NXP / Freescale	S32K1XX family, FS32K142/144/146 series	Decreasing	52-90 weeks or above	Some stock has been released into the market, but demand remains high. Lead times for certain parts are over 100 weeks.
	MCU, MCS9/S9 series, 48-LQFP package	Stable	53 weeks or above	Pricing is unstable. The shortage for the S9S series comes with long delivery lead times. The S911 + S912 automotive series has seen prices increases.
	MCU Kinetis - KL, MKxxx series	Increasing	53 weeks or above	There are no improvements on lead times. Limited stock is available in the market.
	MPU, i.MX 6 series, e.g. MCIMX6Sxxx, MCIMX6Qxxx	Increasing	53 weeks or above	Deliveries are unstable. There is no improvement on lead times.

MICROCONTROLLERS & PROCESSORS - Continued

Manufacturer	Part/Series	Pricing	Lead Time	Notes
STMicroelectronics	8-bit MCU, STM8 series	Decreasing	52 weeks or above	On allocation. Market spot buy pricing has dropped due to demand decreasing for most items.
	32-bit MCU, STM32 series	Stable	45-54 weeks or above	On allocation. Market spot buy pricing has dropped. The STM32F4 series' price is still high; yet stable.
Microchip	ex-Atmel MCU, ATMEGA series, e.g. ATMEGA1280-16AU, ATMEGA644PA-AU, ATMEGA88PA-MU, ATMEGA328P-MU	Increasing	48-56 weeks or above	Tight production capacity. Market pricing remains high.
	ex-Atmel MCU, AT91xxx series	Increasing	42-52 weeks or above	Tight production capacity. Market pricing remains high.
	MCU, PIC16xxx/ PIC18xxx series	Increasing	45-52 weeks or above	Tight production capacity. Market pricing remains high.

ANALOG & COMPLEX ICs

Manufacturer	Part/Series	Pricing	Lead Time	Notes
Texas Instruments	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	Stable	30-50 weeks or above	
	OpAmp, AD62xxx series	Stable		
	OpAmp, AD86xxx series	Stable		
	Interface, ADMxxx series	Stable	39-54 weeks or above	
	Digital Isolators, ADUMxxx series	Stable	34-50 weeks or above	
	ex-Linear Tech series, LTxxx series	Stable and high	52 weeks or above	The LT86 series remains in shortage conditions. Lead times have improved.

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Microchip	ex-SMSC series, e.g. LANxxx, USBxxx	Stable/High	52 weeks or above	Cost and lead times are improving.
	ex-Micrel series, e.g. KSZxxxx, MICxxx	Stable/High	52 weeks or above	Cost and lead times are improving.
NXP / Freescale	Interface, TJAxix series	Stable	39-52 weeks or above	Certain parts are still on longer lead times.
	Interface, PCA series	Stable	45-52 weeks or above	Certain parts are still on longer lead times.
Maxim Integrated	General	Stable	30-50 weeks	The ex-Dallas series is still in shortage conditions. Pricing and lead times are becoming stable.
	Real Time Clock, e.g. DS1302, DS1304, DS3231, etc.	Increasing	40-60 weeks or above	On allocation, deliveries are 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	53-80 weeks or above	Lead times are unstable.
onsemi	Logic, 74xxx series	Stable	27-48 weeks or above	Lead times have improved. Prices remain high.

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