

Commercial News

A general overview of the market situation as well as lead times and prices

Analog

High-End: Pricing and lead times show no significant changes.

Commodities: Prices and lead times remain steady.



	Lead Time (wk)	Price
Switched Voltage Regs	↔ 10-26	↔



	Lead Time (wk)	Price
Data Converters	↔ 6-20	↔
Interface	↔ 6-20	↔
Op Amps High End	↔ 6-20	↔
Switched Voltage Regs	↔ 6-28	↔



	Lead Time (wk)	Price
Op Amps Commodities	↔ 12-16	↔
Op Amps High End	↔ 12-16	↔
Switched Voltage Regs	↔ 8-16	↔
Voltage Regulators	↔ 8-16	↔



	Lead Time (wk)	Price
Interface	↔ 13-24	↔
Op Amps High End	↔ 15-28	↔



	Lead Time (wk)	Price
Interface	↔ 14-24	↔
Op Amps Commodities	↔ 10-20	↔
Op Amps High End	↔ 12-22	↔
Switched Voltage Regs	↔ 12-40	↔
Voltage Regulators	↔ 12-32	↔



	Lead Time (wk)	Price
Switched Voltage Regs	↔ 8-20	↔



	Lead Time (wk)	Price
Data Converters	↔ 12-16	↔
Op Amps Commodities	↔ 12-16	↔
Switched Voltage Regs	↔ 12-16	↔
Voltage Regulators	↔ 12-16	↔



	Lead Time (wk)	Price
Data Converters	↔ 20-24	↔
Interface	↔ 14-20	↔
Op Amps Commodities	↔ 10-20	↔
Op Amps High End	↔ 12-28	↔
Switched Voltage Regs	↔ 12-26	↔
Voltage Regulators	↔ 13-22	↔

Commercial News

A general overview of the market situation as well as lead times and prices

Discretes

Prices are stable and the lead times are low. It is recommended to place long-term orders as the production time (cycle time) is higher than the lead times indicate. **onsemi** has a general NCNR window for rolling 180 days but for a wide range of Commodities, the re-schedule and cancellation window is reduced to 60 days (please see information in the PDF document).



	Lead Time (wk)	Price
Sensors	↔ 18-35	↔



	Lead Time (wk)	Price
RF Devices	↔ 12-18	↔



	Lead Time (wk)	Price
Bi-polar Power	↔ 6-10	↔
IGBT	↔ 15-44	↔
Power MOSFETs	↔ 14-38	↔
Rectifiers	↔ 16-28	↔
RF Devices	↔ 10-14	↔
Sensors	↔ 14-39	↔
Small Signal	↔ 12-20	↔
Thyristors	↔ 16-28	↔



	Lead Time (wk)	Price
Bi-polar Power	↔ 10-18	↔
Power MOSFETs	↔ 10-22	↔
Rectifiers	↔ 9-16	↔
Small Signal	↔ 8-18	↔
TVS/Protection	↔ 9-14	↔
Zener Diodes	↔ 9-16	↔



	Lead Time (wk)	Price
RF Devices	↔ 15-18	↔
Sensors	↔ 18-42	↔



	Lead Time (wk)	Price
Bi-polar Power*	↔ 13-22	↔
IGBT	↔ 15-40	↔
Power MOSFETs	↔ 14-32	↔
Rectifiers	↔ 12-28	↔
Small Signal*	↔ 10-24	↔
TVS/Protection*	↔ 10-18	↔
Zener Diodes*	↔ 12-20	↔

* 60 days re-schedule and cancellation window



	Lead Time (wk)	Price
Bi-polar Power	↔ 16-18	↔
IGBT	↔ 16-32	↔
Power MOSFETs	↔ 15-30	↔
Rectifiers	↔ 17-29	↔
Small Signal	↔ 16-25	↔
Thyristors	↔ 15-27	↔
TVS/Protection	↔ 15-25	↔

Commercial News

A general overview of the market situation as well as lead times and prices

Discretes

Prices are stable and the lead times are low. It is recommended to place long-term orders as the production time (cycle time) is higher than the lead times indicate. **onsemi** has a general NCNR window for rolling 180 days but for a wide range of Commodities, the re-schedule and cancellation window is reduced to 60 days (please see information in the PDF document).



	Lead Time (wk)	Price
Power MOSFETs	↔ 16-26	↔
Rectifiers	↔ 10-20	↔
Small Signal	↔ 12-18	↔
TVS/Protection	↔ 10-22	↔
Zener Diodes	↔ 12-18	↔

TOSHIBA

	Lead Time (wk)	Price
Power MOSFETs	↔ 18-38	↔



	Lead Time (wk)	Price
Power MOSFETs	↔ 10-28	↔
Rectifiers	↔ 10-26	↔
Small Signal	↔ 10-18	↔
Thyristors	↔ 12-24	↔
TVS/Protection	↔ 10-16	↔
Zener Diodes	↔ 10-16	↔

Commercial News

A general overview of the market situation as well as lead times and prices

Memory

ALL PRICE TENDENCIES ARE INDICATED IN USD

Please provide long-term demand on all technologies. Forecast/Order backlog is key for planning demand properly.

General situation: Price and lead time levels highly depend on supplier and product technology. Trend for increasing price levels and lead times on latest technologies, very good availability on legacy technologies due to missing/reduced demand from industrial and automotive customers. Very price-aggressive suppliers due to overstock.

DRAM: Pricing and lead times increasing - impact on LPDDR4/DDR4 and newer technologies like DDR5/LPDDR5 - Legacy DRAM remain to have very solid availability. Unplanned upsides on newer technologies might be difficult to supply.

NAND Flash: Availability dependent on supplier. Increasing prices and lead times possible, especially on latest tech (SSDs). Unplanned upsides difficult to supply.

NOR Flash: Prices and lead times flat - very good availability on legacy devices.

SRAM: Good availability - minor constraints on specific technologies.



	Lead Time (wk)	Price
Serial NOR Flash	↔ 24-36	↔



	Lead Time (wk)	Price
FRAM	↔ 8-10	↔
nvSRAM	↔ 10	↔
Parallel NOR Flash	↔ 8-10	↔
Serial NOR Flash	↔ 8-14	↔
SRAM Asynch.	↔ 8-10	↔
SRAM Synch.	↔ 10-12	↔



	Lead Time (wk)	Price
DDR/mobile DDR	↔ 8-12	↔
DDR2/LPDDR2	↔ 8-12	↔
DDR3/DDR3L	↔ 8-12	↔
DDR4/LPDDR4	↔ 6-16	↔
Managed NAND (eMMC, UFS)	↔ 10-12	↔
NAND (SLC,MLC,TLC,3D)	↔ 10-20	↔
Parallel NOR Flash	↔ 12-16	↔
SDRAM/mobile SDRAM	↔ 6-8	↔
Serial NOR Flash	↔ 12-14	↔
SRAM Asynch.	↔ 8-12	↔
SRAM Synch.	↔ 8-12	↔

KIOXIA

	Lead Time (wk)	Price
Managed NAND (eMMC, UFS)	↔ 16-26	↔
NAND (SLC,MLC,TLC,3D)	↔ 16-52	↔
SSD	↔ 8-12	↔



	Lead Time (wk)	Price
EEPROM	↔ 5-52	↔
EPROM	↔ 5-52	↔
Serial NOR Flash	↔ 24-28	↔

Commercial News

A general overview of the market situation as well as lead times and prices

Memory

ALL PRICE TENDENCIES ARE INDICATED IN USD

Please provide long-term demand on all technologies. Forecast/Order backlog is key for planning demand properly.

General situation: Price and lead time levels highly depend on supplier and product technology. Trend for increasing price levels and lead times on latest technologies, very good availability on legacy technologies due to missing/reduced demand from industrial and automotive customers. Very price-aggressive suppliers due to overstock.

DRAM: Pricing and lead times increasing - impact on LPDDR4/DDR4 and newer technologies like DDR5/LPDDR5 - Legacy DRAM remain to have very solid availability. Unplanned upsides on newer technologies might be difficult to supply.

NAND Flash: Availability dependent on supplier. Increasing prices and lead times possible, especially on latest tech (SSDs). Unplanned upsides difficult to supply.

NOR Flash: Prices and lead times flat - very good availability on legacy devices.

SRAM: Good availability - minor constraints on specific technologies.

micron

	Lead Time (wk)	Price
DDR/mobile DDR	↔ 12	↔
DDR2/LPDDR2	↔ 12	↔
DDR3/DDR3L	↔ 12	↔
DDR4/LPDDR4	↑ 20	↑
DDR5/LPDDR5	↑ 20	↑
Managed NAND (eMMC, UFS)	↔ 20	↔
microSD	↑ 20	↑
NAND (SLC,MLC,TLC,3D)	↔ 12	↔
Parallel NOR Flash	↔ 12	↔
SDRAM/mobile SDRAM	↔ 12	↔
Serial NOR Flash	↔ 12	↔
SSD	↑ 20	↑

onsemi

	Lead Time (wk)	Price
EEPROM	↔ 7-21	↔
Serial NOR Flash	↔ 16-20	↔

RENESAS

	Lead Time (wk)	Price
EEPROM	↔ 8-12	↔
FIFO	↔ 16-20	↔
SRAM Asynch.	↔ 20-24	↔
SRAM Multiport	↔ 16-20	↔
SRAM Synch.	↔ 20-24	↔

SAMSUNG

	Lead Time (wk)	Price
DDR3/DDR3L	↔ 6-8	↔
DDR4/LPDDR4	↔ 6-8	↔
DDR5/LPDDR5	↔ 6-8	↔
Managed NAND (eMMC, UFS)	↔ 6-8	↔
SSD	↔ 6-8	↑

ST

	Lead Time (wk)	Price
EEPROM	↔ 8-14	↔
NVRAM	↔ 8-16	↔

Commercial News

A general overview of the market situation as well as lead times and prices

Opto

LEDs: Overall good supply situation.

Coupler: Overall good supply situation.

Vishay: Lead time 4-16 weeks for majority of the Optocoupler portfolio.

Samsung: Official announcement of LED-business exit.

am^{logic} OSRAM

	Lead Time (wk)	Price
LEDs High Power	↔ 10-14	↔
LEDs High Power General Lighting	↔ 10-14	↔
LEDs Infrared	↔ 12-18	↔
LEDs Low/Mid Power	↔ 10-28	↔
LEDs Low/Mid Power General Lighting	↔ 10-12	↔
LEDs Ultraviolet	↔ 6-8	↔

EVERLIGHT

	Lead Time (wk)	Price
Coupler	↔ 12-30	↔
LEDs High Power	↔ 12-14	↔
LEDs Infrared	↔ 6-24	↔
LEDs Low/Mid Power	↔ 12-14	↔
LEDs Ultraviolet	↔ 6-20	↔

bridgelux

	Lead Time (wk)	Price
LED Driver	↔ 10-12	↔
LEDs High Power General Lighting	↔ 4-6	↔
LEDs Low/Mid Power General Lighting	↔ 6-8	↔

inventronics

	Lead Time (wk)	Price
LED Driver	↔ 12-14	↔
LED Module	↔ 12-14	↔

LEDiL

	Lead Time (wk)	Price
LED Optic	↔ 6-8	↔

BROADCOM

	Lead Time (wk)	Price
Coupler	↔ 8-36	↔
LEDs High Power	↔ 12-14	↔
LEDs Low/Mid Power	↔ 12-14	↔

LUMINUS

	Lead Time (wk)	Price
LEDs High Power	↔ 6-10	↔
LEDs High Power General Lighting	↔ 6-8	↔
LEDs Infrared	↔ 6-12	↔
LEDs Low/Mid Power General Lighting	↔ 6-8	↔
LEDs Ultraviolet	↔ 6-8	↔

onsemi

	Lead Time (wk)	Price
Coupler	↔ 6-26	↔

Commercial News

A general overview of the market situation as well as lead times and prices

Opto

LEDs: Overall good supply situation.

Coupler: Overall good supply situation.

Vishay: Lead time 4-16 weeks for majority of the Optocoupler portfolio.

Samsung: Official announcement of LED-business exit.

RENESAS

	Lead Time (wk)	Price
Coupler	↔ 18-20	↔

SAMSUNG

	Lead Time (wk)	Price
LEDs High Power	↔ 8-10	↔
LEDs High Power General Lighting	↔ 8-10	↔
LEDs Low/Mid Power	↔ 8-10	↔
LEDs Low/Mid Power General Lighting	↔ 8-10	↔
LEDs Module	↔ 12-16	↔

TOSHIBA

	Lead Time (wk)	Price
Coupler	↔ 12-40	↔

VISHAY

	Lead Time (wk)	Price
Coupler	↔ 4-46	↔
LEDs High Power	↔ 12-14	↔
LEDs Infrared	↔ 6-24	↔
LEDs Low/Mid Power	↔ 12-14	↔
LEDs Ultraviolet	↔ 6-20	↔

Commercial News

A general overview of the market situation as well as lead times and prices

MCU & DSP



	Lead Time (wk)	Price
32 Bit	↔ 8-12	↔



	Lead Time (wk)	Price
8 Bit	↔ 16-26	↔
16 Bit	↔ 16-20	↔
32 Bit	↔ 10-26	↓



32 Bit	↔ 4-5	↔
64 Bit	↔ 4-5	↔
x86 DSP	↔ 4-5	↔



	Lead Time (wk)	Price
8 Bit AVR	↓ 2-8	↔
8 Bit PIC	↓ 4-6	↔
16 Bit	↔ 4-8	↔
32 Bit	↓ 4-10	↔



	Lead Time (wk)	Price
8 Bit	↓ 16-20	↔
16 Bit	↓ 16-20	↔
32 Bit	↓ 16-20	↔
i.MX	↓ 16-20	↔
DSP	↓ 16-20	↔



	Lead Time (wk)	Price
MCUs	↓ 12-24	↓↓



	Lead Time (wk)	Price
8 Bit	↔ 12-16	↓
16 Bit	↔ 12-16	↓
32 Bit	↔ 12-18	↓

Commercial News

A general overview of the market situation as well as lead times and prices

Program. Logic



	Lead Time (wk)	Price
Program. Logic	↓ 3-11	↔



	Lead Time (wk)	Price
Program. Logic	↔ 3-15	↔

Commercial News

A general overview of the market situation as well as lead times and prices

Logic

Pricing and lead times remain stable, with no changes expected.

nexperia

	Lead Time (wk)	Price
Standard Logic	↔ 8-12	↔

 **SGMICRO**

	Lead Time (wk)	Price
Standard Logic	↔ 14-16	↔

onsemi

	Lead Time (wk)	Price
Standard Logic	↔ 8-20	↔

TOSHIBA

	Lead Time (wk)	Price
Standard Logic	↔ 14-18	↔