Commercial News

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

Analog

High-End: Pricing and lead times remain largely unchanged.
Commodities: Prices and lead times remain stable.

Infineon

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

Microchip

	Lead Time (wk)	Price
Data Converters	↔ 6-36	↔
Interface	↔ 6-20	↔
Op Amps High End	↔ 6-22	↔
Switched Voltage Regs	↔ 6-28	↔

Nisshinbo

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

NXP

	Lead Time (wk)	Price
Interface	↔ 13-24	↔
Op Amps High End	↔ 16-28	↔

onsemi

	Lead Time (wk)	Price
Interface	↔ 10-26	↔
Op Amps Commodities	↔ 10-20	↔
Op Amps High End	↔ 12-22	↔
Switched Voltage Regs	↔ 12-40	↔
Voltage Regulators	↔ 12-32	↔

power integrations

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

SGMICRO

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

STMicroelectronics

	Lead Time (wk)	Price
Data Converters	↔ 16-24	↔
Interface	↔ 14-20	↔
Op Amps Commodities	↔ 10-20	↔
Op Amps High End	↔ 12-30	↔
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

According to the market environment, lead times are still moderate. It is recommended to place long-term orders as the production time (cycle time, lean die banking) is higher than the lead times indicate. Prices remain stable.

ams OSRAM

	Lead Time (wk)	Price
Sensors	↔ 15-32	↔

BROADCOM

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

Infineon

	Lead Time (wk)	Price
Bi-polar Power	↔ 6-10	↔
IGBT	↔ 14-42	↔
Power MOSFETs	↔ 12-34	↔
Rectifiers	↔ 17-26	↔
RF Devices	↔ 10-16	↔
Sensors	↔ 12-30	↔
Small Signal	↔ 12-18	↔
Thyristors	↔ 18-28	↔

nexperia

	Lead Time (wk)	Price
Bi-polar Power	↑ 10-15	↔
Power MOSFETs	↔ 11-23	↔
Rectifiers	↑ 10-16	↔
Small Signal	↑ 10-18	↔
TVS/Protection	↑ 10-16	↔
Zener Diodes	↑ 8-22	↔

NXP

	Lead Time (wk)	Price
RF Devices	↔ 15-20	↔
Sensors	↔ 19-46	↔

onsemi

	Lead Time (wk)	Price
Bi-polar Power	↔ 12-21	↔
IGBT	↔ 14-32	↔
Power MOSFETs	↑ 11-27	↔
Rectifiers	↑ 12-22	↔
Small Signal	↑ 12-24	↔
TVS/Protection	↔ 12-18	↔
Zener Diodes	↑ 10-22	↔

ST

	Lead Time (wk)	Price
Bi-polar Power	↔ 14-18	↔
IGBT	↔ 16-32	↔
Power MOSFETs	↑ 15-28	↔
Rectifiers	↑ 17-27	↔
Small Signal	↔ 16-25	↔
Thyristors	↔ 17-28	↔
TVS/Protection	↑ 16-25	↔

Commercial News

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TAIWAN SEMICONDUCTOR

	Lead Time (wk)		Price
Power MOSFETs	↑	16-24	↔
Rectifiers	↑	10-22	↔
Small Signal	↑	14-22	↔
TVS/Protection	↑	12-18	↔
Zener Diodes	↑	14-22	↔

TOSHIBA

	Lead Time (wk)		Price
Power MOSFETs	↔	19-24	↔

VISHAY

	Lead Time (wk)		Price
Power MOSFETs	↑	12-31	↔
Rectifiers	↑	9-22	↔
Small Signal	↑	10-21	↔
Thyristors	↔	12-21	↔
TVS/Protection	↑	9-16	↔
Zener Diodes	↑	9-26	↔

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 for 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. Increasing price levels and lead times on the latest technologies. Samsung DDR3 and low-capacity eMMC pullout impact supply and availability.

DRAM: Pricing and lead times increasing - highly impacting on LPDDR4/DDR4 and newer technologies like DDR5/ LPDDR5. Unplanned upsides on newer technologies difficult to supply.

NAND Flash: Availability dependent on supplier. Increasing prices and lead times, especially on latest tech (SSDs) and low-capacity eMMCs. Unplanned upsides difficult to supply. Please review customer demand on eMMCs - backlog required to secure supply.

NOR Flash: Increasing lead times expected.

SRAM: Good availability - minor constraints on specific technologies.

dialog SEMICONDUCTOR
A Renesas Company

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

Infineon

	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	↔

ISSI

	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	↔

MICROCHIP

	Lead Time (wk)	Price
EEprom	↔ 5-52	↔
Eprom	↔ 5-52	↔
Serial NOR Flash	↔ 24-28	↔

Commercial News

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NOR Flash: Increasing lead times expected.

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	↑↑ n/a	↑↑
DDR4/LPDDR4	↑↑ n/a	↑↑
DDR5/LPDDR5	↑↑ n/a	↑↑
Managed NAND (eMMC, UFS)	↑↑ n/a	↑↑
SSD	↑↑ n/a	↑↑

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.

ams OSRAM

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

bridgelux

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

BROADCOM

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

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	↔

inventronics

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

LEDiL

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

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	↔

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onsemi

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

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

ESPRESSIF

	Lead Time (wk)	Price
32 Bit	↔ 8-12	↔

Infineon

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

intel.

	Lead Time (wk)	Price
32 Bit	↔ 4-5	↔
64 Bit	↔ 4-5	↔
x86 DSP	↔ 4-5	↔

MICROCHIP

	Lead Time (wk)	Price
8 Bit AVR	↔ 4-10	↔
8 Bit PIC	↔ 4-10	↔
16 Bit	↓ 4-11	↔
32 Bit	↑ 0-19	↔

NXP

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

RENESAS

	Lead Time (wk)	Price
MCUs 8 Bit	↑ 16-20	↔
MCUs 16 Bit	↑ 16-20	↔
MCUs 32 Bit	↑ 16-20	↔
MCUs 64 Bit	↑ 16-20	↔

STMicroelectronics

	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

AMD

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

MICROCHIP

	Lead Time (wk)	Price
Program. Logic	↔ 0-16	↔

Commercial News

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

Logic

Prices and lead times remain unchanged with no adjustments expected.

nexperia

	Lead Time (wk)	Price
Standard Logic	↔ 8-14	↔

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	↔