



# MARKET UPDATE

—  
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**A2 GLOBAL<sup>®</sup>**  
electronics + solutions



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# AEROSPACE + DEFENSE



## Analog: OP AMPS, ADCS, Logic Gates & Inverters

Manufacturer	Part/Series	Pricing	Lead Time
Texas Instruments	Operational Amplifiers (OP AMPS)	Stable	35-46 weeks or more

## Passive: Chip Resistors, Fixed Inductors, Ceramic Capacitors

Manufacturer	Part/Series	Pricing	Lead Time
Vishay	Chip Resistors	Stable	16-26 weeks or more
Coilcraft	Fixed Inductors	Stable	18-23 weeks or more

## Microcontrollers (MCU) / Microprocessors (MPU)

Manufacturer	Part/Series	Pricing	Lead Time
Microchip	MCUs, -8bit	Stable	26-52 weeks or more
	MCUs, -16bit		40-52 weeks or more
	MCUs, -32bit		35-52 weeks or more
Texas Instruments	MCUs, -16bit	High	35-55 weeks or more
	MCUs, -32bit		35-55 weeks or more

## FPGAs/CPLDs

Manufacturer	Part/Series	Pricing	Lead Time
AMD / Xilinx	Spartan 3, XC3S series	Stable	24-52 weeks or more
	Spartan 6, XC6S series	Stable/High	52 weeks or more
	Artix7-, XC7A series	Stable	44-52 weeks or more

## Discrete: MOSFETs, Rectifiers, TVS Diodes, IGBT

Manufacturer	Part/Series	Pricing	Lead Time
Infineon	MOSFETs	Stable	50-80 weeks or more
	Rectifiers		44-80 weeks or more
Vishay	MOSFETs	Stable	50-80 weeks or more
	Rectifiers		44-80 weeks or more

# AUTOMOTIVE

## Power Management: DC/DC Switching Regulators, Linear Voltage Reg, Power Distribution Switches

Manufacturer	Part/Series	Pricing	Lead Time
Texas Instruments	DC/DC Switching Regulators	Stable/High	36-55 weeks or more

## Discrete: MOSFETs

Manufacturer	Part/Series	Pricing	Lead Time
Diodes Inc.	MOSFETs	Stable/High	36-80 weeks or more
Infineon	Low Voltage MOSFETs	Stable	40-65 weeks or more

## Electromechanical: Power Relays

Manufacturer	Part/Series	Pricing	Lead Time
Phoenix Contact	Power Relays	Stable	12-32 weeks or more

## Microcontrollers (MCU) / Microprocessors (MPU)

Manufacturer	Part/Series	Pricing	Lead Time
NXP Semiconductors	MCUs, -16bit	Increasing	26-52 weeks or more
	MCUs, -32bit	Increasing	45-52 weeks or more





# AUTOMATION SOLUTIONS



## Microcontrollers (MCU) / Microprocessors (MPU)

Manufacturer	Part/Series	Pricing	Lead Time
Microchip	MCUs, -8bit	Stable	26-52 weeks or more
	MCUs, -16bit	Stable	40-52 weeks or more
	MCUs, -32bit	Stable	35-52 weeks or more

## Analog: OP AMPS, ADCS, Logic Gates & Inverters

Manufacturer	Part/Series	Pricing	Lead Time
Texas Instruments	Operational Amplifiers (OP AMPS)	Stable	35-46 weeks or more

## Power Management: DC/DC Switching Regulators, Linear Voltage Reg, Power Distribution Switches

Manufacturer	Part/Series	Pricing	Lead Time
Texas Instruments	DC/DC Switching Regulators	Stable	36-55 weeks or more

## Discrete: MOSFETs, Rectifiers, TVS Diodes, IGBT

Manufacturer	Part/Series	Pricing	Lead Time
ON Semiconductor	MOSFETs	Stable/High	40-85 weeks or more
	Rectifiers		32-70 weeks or more
Infineon	MOSFETs	Stable/High	50-80 weeks or more

# HEALTH CARE

## Analog: OP AMPS, ADCS, Logic Gates & Inverters

Manufacturer	Part/Series	Pricing	Lead Time
Texas Instruments	Operational Amplifiers (OP AMPs)	Stable	35-46 weeks or more
	Logic Gates and Inverters	Stable	20-28 weeks or more

## Microcontrollers (MCU) / Microprocessors (MPU)

Manufacturer	Part/Series	Pricing	Lead Time
NXP / Freescale Semiconductors	MCUs, -16bit	Stable	26-52 weeks or more
	MCUs, -32bit		45-52 weeks or more
Microchip	MCUs, -8bit	Stable	26-52 weeks or more
	MCUs, -16bit		40-52 weeks or more
	MCUs, -32bit		35-52 weeks or more

## Power Management: DC/DC Switching Regulators, Linear Voltage Reg, Power Distribution Switches

Manufacturer	Part/Series	Pricing	Lead Time
Texas Instruments	Linear Voltage Regulators	Stable	35-52 weeks or more
	DC/DC Switching Regulators		36-55 weeks or more



# INDUSTRIAL MACHINERY



## FPGAs/CPLDs

Manufacturer	Part/Series	Pricing	Lead Time
Intel / Altera	Cyclone 10 LP, 10CLxxx series	Stable/High	46-52 weeks or more
	MAX 10 ,10Mxxx series		36-47 weeks or more
	Cyclone V, 5Cxxx series		30-52 weeks or more
	Cyclone IV, EP4Cxxx series		40-65 weeks or more
	Cyclone III, EP3Cxxx series		40-52 weeks or more

## Microcontrollers (MCU) / Microprocessors (MPU)

Manufacturer	Part/Series	Pricing	Lead Time
NXP / Freescale Semiconductors	MCUs, -16bit	Stable	26-52 weeks or more
	MCUs, -32bit		45-52 weeks or more
Renesas	MCUs, -8bit	Stable	20-32 weeks or more
	MCUs, -16bit		24-52 weeks or more
	MCUs, -32bit		30-52 weeks or more

## Passive: Chip Resistors, Fixed Inductors, Ceramic Capacitors

Manufacturer	Part/Series	Pricing	Lead Time
Murata	Ceramic Capacitors	Stable	20-32 weeks or more

## Circuit Protection: DC/DC Converters (Board Mount)

Manufacturer	Part/Series	Pricing	Lead Time
Cosel	DC/DC Converters (Board Mount)	Stable	22-52 weeks or more

## Analog: OP AMPS, ADCS, Logic Gates & Inverters

Manufacturer	Part/Series	Pricing	Lead Time
Analog Devices	Operational Amplifiers (OP AMPS)	Stable	24-48 weeks or more
	Digital to Analog Converters (DACs)	Stable/High	40-78 weeks or more

# MODULES

## Discrete: MOSFET, Rectifiers, TVS Diodes

Manufacturer	Part/Series	Pricing	Lead Time
Infineon	MOSFETs	Stable	40-65 weeks or more

## Microcontrollers (MCU) / Microprocessors (MPU)

Manufacturer	Part/Series	Pricing	Lead Time
Microchip	MCUs, -8bit	Stable	26-52 weeks or more
	MCUs, -16bit		40-52 weeks or more
	MCUs, -32bit		35-52 weeks or more

## FPGAs/CPLDs

Manufacturer	Part/Series	Pricing	Lead Time
AMD / Xilinx	Spartan 3, XC3S series	Stable	24-52 weeks or more
	Spartan 6, XC6S series	Stable/High	52 weeks or more
	Artix7-, XC7A series	Stable	44-52 weeks or more

## Interface: Driver, Receiver and Transceiver Interfaces

Manufacturer	Part/Series	Pricing	Lead Time
Texas Instruments	Driver, Receiver and Transceiver Interfaces	Stable	26-50 weeks or more

## Circuit Protection: DC/DC Converters (Board Mount)

Manufacturer	Part/Series	Pricing	Lead Time
TDK-Lambda Corporation	DC/DC Converters (Board Mount)	Stable	20-52 weeks or more
Texas Instruments	DC/DC Converters (Board Mount)	Stable	26-46 weeks or more





# CONSUMER DEVICES



## Microcontrollers (MCU) / Microprocessors (MPU)

Manufacturer	Part/Series	Pricing	Lead Time
NXP Semiconductors	MCUs, -8bit	Stable	26-52 weeks or more
	MCUs, -16bit		40-52 weeks or more
	MCUs, -32bit		35-52 weeks or more
RENESAS	MCUs, -8bit	Stable	20-32 weeks or more
	MCUs, -16bit		24-52 weeks or more
	MCUs, -32bit		30-52 weeks or more

## Analog: OP AMPS, ADCS, Logic Gates & Inverters

Manufacturer	Part/Series	Pricing	Lead Time
Texas Instruments	Operational Amplifiers (OP AMPS)	Stable	35-46 weeks or more

## FPGAs/CPLDs

Manufacturer	Part/Series	Pricing	Lead Time
AMD / Xilinx	Spartan 3, XC3S series	Stable	24-52 weeks or more
	Spartan 6, XC6S series	Stable/High	52 weeks or more
	Artix7-, XC7A series	Stable	44-52 weeks or more
	Kintex UltraScale, XCKU series	Stable/High	35-52 weeks or more

## Power Management: DC/DC Switching Regulators, Linear Voltage Reg, Power Distribution Switches

Manufacturer	Part/Series	Pricing	Lead Time
Texas Instruments	DC/DC Switching Regulators	Stable	35-52 weeks or more

## Discrete: MOSFET, Rectifiers, TVS Diodes

Manufacturer	Part/Series	Pricing	Lead Time
Vishay	MOSFETs	Stable	50-80 weeks or more

