



MARKET UPDATE

—
December 2023

A2 GLOBAL[®]
electronics + solutions



FOCUSED INDUSTRIES

	Aerospace + Defense	3
	Automotive	3
	Automation Solutions	4
	Consumer Devices	5
	Health Care	5
	Industrial Machinery	6
	Modules	6



AEROSPACE + DEFENSE

DISCRETE: MOSFETS, RECTIFIERS, TVS DIODES, IGBT

Manufacturer	Product	Pricing	Lead Time
Vishay	Zener Diodes	Stable	20-50 weeks or more
Infineon	MOSFETs	Stable	18-40 weeks or more

MEMORY: DRAM, FLASH MEMORIES

Manufacturer	Product	Pricing	Lead Time
Micron	Flash Memories	Stable	12-20 weeks or more

POWER MANAGEMENT: DC/DC SWITCHING REGULATORS, LINEAR VOLTAGE REGULATORS, DC/DC CONVERTERS

Manufacturer	Product	Pricing	Lead Time
Intel/Altera*	DC/DC Converters (Board Mount)	Stable	Not available

AUTOMOTIVE

MICROCONTROLLERS (MCU) / MICROPROCESSORS (MPU)

Manufacturer	Product	Pricing	Lead Time
Microchip	MCU, 8-bit	Stable	26-52 weeks or more
	MCU, 16-bit		18-52 weeks or more
	MCU, 32-bit		35-52 weeks or more
NXP / Freescale Semiconductors	MCU, 8-bit	Stable	18-24 weeks or more
	MCU, 32-bit		13-26 weeks or more

POWER MANAGEMENT: DC/DC SWITCHING REGULATORS, LINEAR VOLTAGE REGULATORS, DC/DC CONVERTERS

Manufacturer	Product	Pricing	Lead Time
Texas Instruments	DC/DC Switching Regulators	Stable/Decreasing	12-26 weeks or more



AUTOMATION SOLUTIONS

MICROCONTROLLERS (MCU) / MICROPROCESSORS (MPU)

Manufacturer	Product	Pricing	Lead Time
Renesas	MCU, 8-bit	Stable	12-20 weeks or more
	MCU, 16-bit		18 weeks or more
	MCU, 32-bit		18-26 weeks or more

ANALOG: OP AMPS, ADCS, LOGIC GATES & INVERTERS

Manufacturer	Product	Pricing	Lead Time
Texas Instruments	Operational Amplifiers (OP AMPS)	Stable/Decreasing	6-26 weeks or more

POWER MANAGEMENT: DC/DC SWITCHING REGULATORS, LINEAR VOLTAGE REGULATORS, POWER DISTRIBUTION SWITCHES

Manufacturer	Product	Pricing	Lead Time
Texas Instruments	DC/DC Switching Regulators	Stable/Decreasing	12-26 weeks or more

DISCRETE: MOSFETS, RECTIFIERS, TVS DIODES, IGBT

Manufacturer	Product	Pricing	Lead Time
Onsemi	MOSFETs	Stable	26-50 weeks or more



CONSUMER DEVICES

ANALOG: OP AMPS, ADCS, LOGIC GATES & INVERTERS

Manufacturer	Product	Pricing	Lead Time
Analog Devices	Operational Amplifiers (OP AMPS)	Decreasing	7-20 weeks or more

POWER MANAGEMENT: DC/DC SWITCHING REGULATORS, LINEAR VOLTAGE REGULATORS, POWER DISTRIBUTION SWITCHES

Manufacturer	Product	Pricing	Lead Time
Texas Instruments	Linear Voltage Regulators	Stable	6-18 weeks or more
Cosel	DC/DC Converters (Board Mount)	Stable	20-30 weeks or more

FPGAS/CPLDS

Manufacturer	Product	Pricing	Lead Time
Xilinx/AMD	Spartan 3, XC3Sxxx series	Stable	12-16 weeks or more
	Spartan 6, XC6Sxxx series		16 weeks or more
	Artix 7, XC7Axxx series		

DISCRETE: MOSFETS, RECTIFIERS, TVS DIODES, IGBT

Manufacturer	Product	Pricing	Lead Time
Onsemi	MOSFETs	Stable	26-50 weeks or more

MICROCONTROLLERS (MCU) / MICROPROCESSORS (MPU)

Manufacturer	Product	Pricing	Lead Time
Renesas	MCU, 8-bit	Stable	12-20 weeks or more
	MCU, 16-bit		18 weeks or more
	MCU, 32-bit		18-26 weeks or more
NXP/Freescale Semiconductors	MCU, 8-bit	Stable	18-24 weeks or more
	MCU, 32-bit		13-26 weeks or more

HEALTH CARE

ANALOG: OP AMPS, ADCS, LOGIC GATES & INVERTERS

Manufacturer	Product	Pricing	Lead Time
Texas Instruments	Operational Amplifiers (OP AMPS)	Stable/Decreasing	6-26 weeks or more

PASSIVE: CHIP RESISTORS, FIXED INDUCTORS, CERAMIC CAPACITORS

Manufacturer	Product	Pricing	Lead Time
Panasonic	Chip Resistors	Stable	19-50 weeks or more
Murata	Ceramic Capacitors	Stable	20-24 weeks or more

POWER MANAGEMENT: DC/DC SWITCHING REGULATORS, LINEAR VOLTAGE REGULATORS, DC/DC CONVERTERS

Manufacturer	Product	Pricing	Lead Time
Intel/Altera	DC/DC Converters (Board Mount)	Stable	Not available

INDUSTRIAL MACHINERY

FPGAS/CPLDS

Manufacturer	Product	Pricing	Lead Time
Intel/Altera	MAX 10, 10Mxxx series	Stable	20-24 weeks or more
	Cyclone V, 5Cxxx series		

MICROCONTROLLERS (MCU) / MICROPROCESSORS (MPU)

Manufacturer	Product	Pricing	Lead Time
Microchip	MCU, 8-bit	Stable	26-52 weeks or more
	MCU, 16-bit		18-52 weeks or more
	MCU, 32-bit		35-52 weeks or more

CONNECTORS

Manufacturer	Product	Pricing	Lead Time
Molex	Rectangular Connector Headers & Receptacles	Stable	14-20 weeks or more

MODULES

ANALOG: OP AMPS, ADCS, LOGIC GATES & INVERTERS

Manufacturer	Product	Pricing	Lead Time
Texas Instruments	Operational Amplifiers (OP AMPS)	Stable/Decreasing	6-26 weeks or more
Analog Devices	Operational Amplifiers (OP AMPS)	Stable	20-30 weeks or more

PASSIVE: CHIP RESISTORS, FIXED INDUCTORS, CERAMIC CAPACITORS

Manufacturer	Product	Pricing	Lead Time
Murata	Ceramic Capacitors	Stable	20-24 weeks or more
Panasonic	Chip Resistors	Stable	18-20 weeks or more

MEMORY: DRAM, FLASH MEMORIES

Manufacturer	Product	Pricing	Lead Time
Micron	DRAM	Stable	12-20 weeks or more



