



MARKET UPDATE

—
October 2023

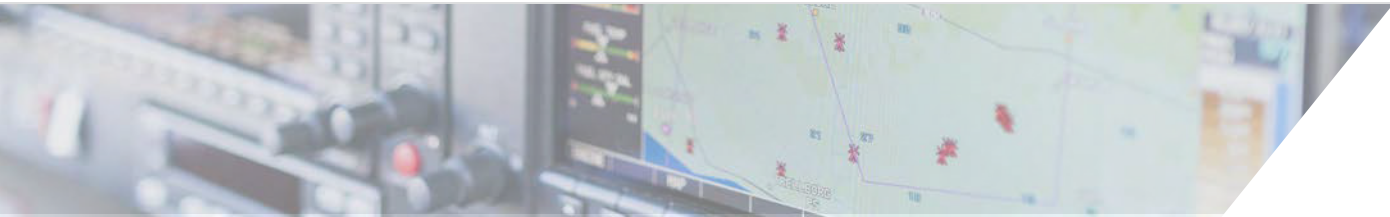
A2 GLOBAL[®]
electronics + solutions



FOCUSED INDUSTRIES

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

AEROSPACE + DEFENSE



FPGAS/CPLDS

Manufacturer	Product	Pricing	Lead Time
Xilinx/AMD	Spartan 6, XC6Sxxx Series	Stable	16-26 weeks or more
	Artix 7, XC7Axxx Series		18-24 weeks or more
	Virtex-6, XC6Vxx Series		18-24 weeks or more
Intel/Altera	Cyclone 10 LP, 10CLxxx Series	Stable	24-39 weeks or more
	MAX 10, 10Mxxx Series		24 weeks or more
	Cyclone V, 5Cxxx Series		24 weeks or more
	Cyclone IV, EP4Cxxx Series		24-39 weeks or more

DISCRETE: MOSFETS, RECTIFIERS, TVS DIODES, IGBT

Manufacturer	Product	Pricing	Lead Time
Vishay	MOSFETs	Stable	16-50 weeks or more

MEMORY: DRAM, FLASH MEMORIES

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

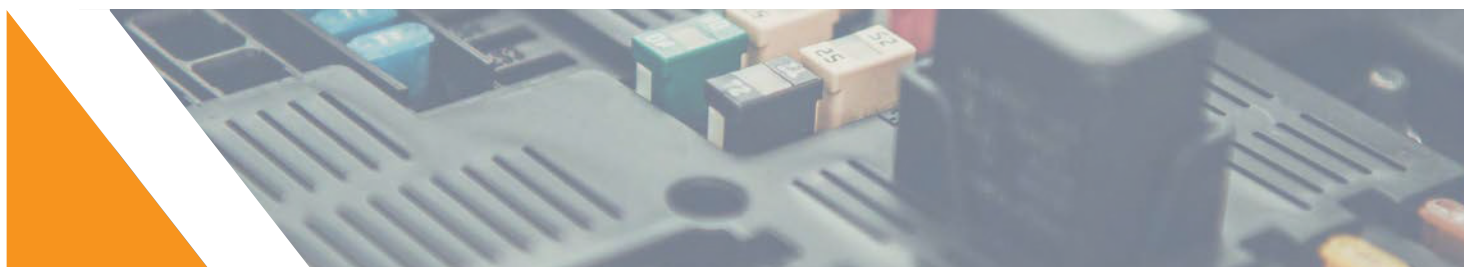
AUTOMOTIVE

MICROCONTROLLERS (MCU) / MICROPROCESSORS (MPU)

Manufacturer	Product	Pricing	Lead Time
Microchip	MCU, 8-bit	Stable	16-52 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	26-32 weeks or more
	MCU, 32-bit		12-32 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	12-26 weeks or more



AUTOMATION SOLUTIONS

MICROCONTROLLERS (MCU) / MICROPROCESSORS (MPU)

Manufacturer	Product	Pricing	Lead Time
Microchip	MCU, 8-bit	Stable	16-52 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	26-32 weeks or more
	MCU, 32-bit		12-32 weeks or more

ANALOG: OP AMPS, ADCS, LOGIC GATES & INVERTERS

Manufacturer	Product	Pricing	Lead Time
Texas Instruments	Operational Amplifiers (OP AMPS)	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	12-26 weeks or more

DISCRETE: MOSFETS, RECTIFIERS, TVS DIODES, IGBT

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

CONSUMER DEVICES

ANALOG: OP AMPS, ADCS, LOGIC GATES & INVERTERS

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

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

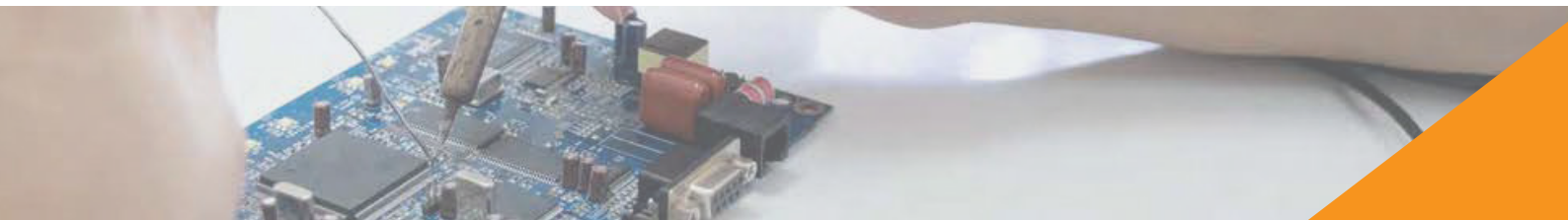
Manufacturer	Product	Pricing	Lead Time
Texas Instruments	Linear Voltage Regulators	Stable	6-18 weeks or more

FPGAS/CPLDS

Manufacturer	Product	Pricing	Lead Time
Xilinx/AMD	Spartan 6, XC6Sxxx Series	Stable	16-26 weeks or more
	Artix 7, XC7Axxx Series		18-24 weeks or more
	Kintex UltraScale, XCKUxx Series		

MICROCONTROLLERS (MCU) / MICROPROCESSORS (MPU)

Manufacturer	Product	Pricing	Lead Time
NXP / Freescale Semiconductors	MCU, 8-bit	Stable	26-32 weeks or more
	MCU, 32-bit		12-32 weeks or more



HEALTH CARE

ANALOG: OP AMPS, ADCS, LOGIC GATES & INVERTERS

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

PASSIVE: CHIP RESISTORS, FIXED INDUCTORS, CERAMIC CAPACITORS

Manufacturer	Product	Pricing	Lead Time
Panasonic	Chip Resistors	Stable	20-36 weeks or more
Murata	Ceramic Capacitors	Stable	10-16 weeks or more

INDUSTRIAL MACHINERY

INTERFACE: DRIVERS, RECEIVERS AND TRANSCEIVER INTERFACES

Manufacturer	Product	Pricing	Lead Time
Texas Instruments	Driver, Receiver and Transceiver Interfaces	Stable	8-20 weeks or more

FPGAS/CPLDS

Manufacturer	Product	Pricing	Lead Time
Intel/Altera	Cyclone 10 LP, 10CLxxx Series	Stable	24-39 weeks or more
	MAX 10, 10Mxxx Series		24 weeks or more
	Cyclone V, 5Cxxx Series		24 weeks or more
	Cyclone IV, EP4Cxxx Series		24-39 weeks or more

MICROCONTROLLERS (MCU) / MICROPROCESSORS (MPU)

Manufacturer	Product	Pricing	Lead Time
NXP / Freescale Semiconductors	MCU, 8-bit	Stable	26-32 weeks or more
	MCU, 32-bit		12-32 weeks or more
Texas Instruments	MCU, 32-bit	Stable/High	26-35 weeks or more



MODULES

DISCRETE: MOSFETS, RECTIFIERS, TVS DIODES, IGBT

Manufacturer	Product	Pricing	Lead Time
Infineon	MOSFETs	Stable	20-46 weeks or more
ST Microelectronics Semi	MOSFETs	Stable	39-52 weeks or more

PASSIVE: CHIP RESISTORS, FIXED INDUCTORS, CERAMIC CAPACITORS

Manufacturer	Product	Pricing	Lead Time
Murata	Ceramic Capacitors	Stable	18-23 weeks or more
Yageo	Chip Resistors	Stable	18-20 weeks or more

