



MARKET UPDATE

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July 2023

A2 GLOBAL[®]
electronics + solutions



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AEROSPACE + DEFENSE



ANALOG: OP AMPS

Manufacturer	Part/Series	Pricing	Lead Time
Texas Instruments	Operational Amplifiers (OP AMPS)	Stable/Decreasing	12-28 weeks or more

FPGAs/CPLDs

Manufacturer	Part/Series	Pricing	Lead Time
Xilinx / AMD	Spartan 6, XC6Sxxx series	Stable/High	20-50 weeks or more
	Spartan 7, XC7Sxxx series		20-44 weeks or more
	Kintex UltraScale, XCKUxx series		30-52 weeks or more

DISCRETE: MOSFETS, RECTIFIERS

Manufacturer	Part/Series	Pricing	Lead Time
ON Semiconductor	MOSFETs	Stable	26-80 weeks or more
	Low Voltage MOSFETs	Stable/High	36-80 weeks or more
Vishay	MOSFETs	Stable	16-52 weeks or more
	Low Voltage MOSFETs		30-75 weeks or more

PASSIVE: CHIP RESISTORS

Manufacturer	Part/Series	Pricing	Lead Time
Vishay	Chip Resistors	Stable	14-24 weeks or more

MEMORY: DRAM, FLASH MEMORIES

Manufacturer	Part/Series	Pricing	Lead Time
Micron	DRAM	Stable	12-28 weeks or more
	Flash Memories		12-28 weeks or more

AUTOMOTIVE

MICROCONTROLLER (MCU) / MICROPROCESSORS (MPU)

Manufacturer	Part/Series	Pricing	Lead Time
NXP / Freescale Semiconductors	MCU, 16-bit	Stable	12-32 weeks or more
	MCU, 32-bit	Stable	12-32 weeks or more

DISCRETE: MOSFETS, RECTIFIERS

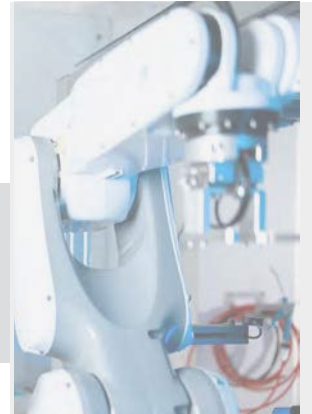
Manufacturer	Part/Series	Pricing	Lead Time
STMicroelectronics	MOSFETs	Stable	26-52 weeks or more
ON Semiconductor	MOSFETs	Stable	26-80 weeks or more
	Low Voltage MOSFETs	Stable/High	36-80 weeks or more

PASSIVE: CHIP RESISTORS

Manufacturer	Part/Series	Pricing	Lead Time
ROHM Semiconductor	Chip Resistors	Stable	12-24 weeks or more
Stackpole Electronics	Chip Resistors	Stable	22-35 weeks or more



AUTOMATION SOLUTIONS



ANALOG: OP AMPS

Manufacturer	Part/Series	Pricing	Lead Time
Texas Instruments	Operational Amplifiers (OP AMPS)	Stable/Decreasing	12-28 weeks or more

MICROCONTROLLERS (MCU) / MICROPROCESSORS (MPU)

Manufacturer	Part/Series	Pricing	Lead Time
Microchip Technology	MCU, 8-bit	Stable	16-32 weeks or more
	MCU, 16-bit		18-52 weeks or more
	MCU, 32-bit		35-52 weeks or more
NXP / Freescale Semiconductors	MCU, 16-bit	Stable	12-32 weeks or more
	MCU, 32-bit		

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

Manufacturer	Part/Series	Pricing	Lead Time
Texas Instruments	DC/DC Switching Regulators	Stable	12-35 weeks or more
Infineon	Power Distribution Switches	Stable	26-52 weeks or more

DISCRETE: MOSFETS, RECTIFIERS, TVS DIODES, IGBT

Manufacturer	Part/Series	Pricing	Lead Time
ON Semiconductor	MOSFETs	Stable	26-80 weeks or more
	Low Voltage MOSFETs	Stable/High	36-80 weeks or more
Infineon	MOSFETs	Stable	26-40 weeks or more
	Low Voltage MOSFETs	Stable/High	26-52 or more

CONSUMER DEVICES



MICROCONTROLLERS (MCU) / MICROPROCESSORS (MPU)

Manufacturer	Part/Series	Pricing	Lead Time
Microchip Technology	MCU, 8-bit	Stable	16-32 weeks or more
	MCU, 16-bit		18-52 weeks or more
	MCU, 32-bit		35-52 weeks or more
NXP / Freescale Semiconductors	MCU, 16-bit	Stable	12-32 weeks or more
	MCU, 32-bit		12-32 weeks or more

ANALOG: OP AMPS

Manufacturer	Part/Series	Pricing	Lead Time
Texas Instruments	Operational Amplifiers (OP AMPS)	Stable/Decreasing	12-28 weeks or more

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

Manufacturer	Part/Series	Pricing	Lead Time
Texas Instruments	DC/DC Switching Regulators	Stable	12-35 weeks or more
	Linear Voltage Regulators		14-26 weeks or more

FPGAS/CPLDS

Manufacturer	Part/Series	Pricing	Lead Time
Intel / Altera	Cyclone 10 LP, 10CLxxx series	Stable/High	40-52 weeks or more
	MAX 10, 10Mxxx series		36-45 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

DISCRETE: MOSFETS, RECTIFIERS

Manufacturer	Part/Series	Pricing	Lead Time
ON Semiconductor	MOSFETs	Stable	26-80 weeks or more
	Low Voltage MOSFETs	Stable/High	36-80 weeks or more

HEALTH CARE

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

Manufacturer	Part/Series	Pricing	Lead Time
Texas Instruments	DC/DC Switching Regulators	Stable	12-35 weeks or more

ANALOG: OP AMPS

Manufacturer	Part/Series	Pricing	Lead Time
Texas Instruments	Operational Amplifiers (OP AMPS)	Stable/Decreasing	12-28 weeks or more

MICROCONTROLLERS (MCU) / MICROPROCESSORS (MPU)

Manufacturer	Part/Series	Pricing	Lead Time
NXP / Freescale Semiconductors	MCU, 16-bit	Stable	12-32 weeks or more
	MCU, 32-bit		
Renesas	MCU, 8-bit	Stable	12-36 weeks or more
	MCU, 16-bit		4636-46 weeks or more
	MCU, 32-bit		26-52 weeks or more

PASSIVE: CHIP RESISTORS

Manufacturer	Part/Series	Pricing	Lead Time
Panasonic	Chip Resistors	Stable	16-24 weeks or more

DISCRETE: MOSFETS, RECTIFIERS

Manufacturer	Part/Series	Pricing	Lead Time
ON Semiconductor	Rectifiers	Stable	65-78 weeks or more

CONNECTORS

Manufacturer	Part/Series	Pricing	Lead Time
Hirose	Rectangular Connector Housings	Stable	12-28 weeks or more

CIRCUIT PROTECTION: DC/DC CONVERTERS (BOARD MOUNT), AC/DC CONVERTERS (OFF-BOARD MOUNT)

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



INDUSTRIAL MACHINERY



MICROCONTROLLERS (MCU) / MICROPROCESSORS (MPU)

Manufacturer	Part/Series	Pricing	Lead Time
Renesas	MCU, 8-bit	Stable	12-36 weeks or more
	MCU, 16-bit		36-46 weeks or more
	MCU, 32-bit		26-52 weeks or more

FPGAS/CPLDS

Manufacturer	Part/Series	Pricing	Lead Time
Intel / Altera	Cyclone 10 LP, 10CLxxx series	Stable/High	40-52 weeks or more
	MAX 10, 10Mxxx series		36-45 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

ANALOG: OP AMPS

Manufacturer	Part/Series	Pricing	Lead Time
Analog Devices	Operational Amplifiers (OP AMPS)	Stable/Decreasing	20-46 weeks or more

CIRCUIT PROTECTION: DC/DC CONVERTERS (BOARD MOUNT), AC/DC CONVERTERS (OFF-BOARD MOUNT)

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

MODULES

DISCRETE: MOSFETS, RECTIFIERS

Manufacturer	Part/Series	Pricing	Lead Time
Infineon	MOSFETs	Stable	26-40 weeks or more
	Low Voltage MOSFETs	Stable/High	26-52 or more
ON Semiconductor	MOSFETs	Stable	26-80 weeks or more
	Low Voltage MOSFETs	Stable/High	36-80 weeks or more
	RECTIFIERS	Stable	65-78 weeks or more

MICROCONTROLLERS (MCU) / MICROPROCESSORS (MPU)

Manufacturer	Part/Series	Pricing	Lead Time
Microchip Technology	MCU, 8-bit	Stable	16-32 weeks or more
	MCU, 16-bit		18-52 weeks or more
	MCU, 32-bit		35-52 weeks or more
NXP / Freescale Semiconductors	MCU, 16-bit	Stable	12-32 weeks or more
	MCU, 32-bit		12-32 weeks or more

POWER MANAGEMENT: DC/DC SWITCHING REGULATORS, LINEAR VOLTAGE REGULATORS, POWER DISTRIBUTION SWITCHES, DC/DC CONVERTERS (BOARD MOUNT)

Manufacturer	Part/Series	Pricing	Lead Time
Texas Instruments	DC/DC Switching Regulators	Stable	12-35 weeks or more

ANALOG: OP AMPS

Manufacturer	Part/Series	Pricing	Lead Time
Texas Instruments	Operational Amplifiers (OP AMPS)	Stable/Decreasing	12-28 weeks or more

MEMORY: DRAM, FLASH MEMORIES

Manufacturer	Part/Series	Pricing	Lead Time
Micron	DRAM	Stable	12-28 weeks or more

FPGAS/CPLDS

Manufacturer	Part/Series	Pricing	Lead Time
Xilinx / AMD	Spartan 6, XC6Sxxx series	Stable/High	20-50 weeks or more
	Spartan 7, XC7Sxxx series		20-44 weeks or more
	Kintex UltraScale, XCKUxx series		30-52 weeks or more

