





FOCUSED INDUSTRIES

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AEROSPACE + DEFENSE



ANALOG: OP AMPS

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

FPGAs/CPLDs

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

DISCRETE: MOSFETS, RECTIFIERS

Manufacturer	Part/Series	Pricing	Lead Time
	MOSFETs	Stable	26-80 weeks or
ON Semiconductor	MOSIETS	Stable	more
ON Semiconductor	Low Voltage MOSFETs	Stable/High	36-80 weeks or
	Low voltage MO31 L13	Stable/TilgII	more
	MOSFETs		16-52 weeks or
Vishay	MOSILIS	Stable	more
Visitay	Low Voltage MOSEETs	Stable	30-75 weeks or
	Low Voltage MOSFETs		more

PASSIVE: CHIP RESISTORS

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

MEMORY: DRAM, FLASH MEMORIES

Manufacturer	Part/Series	Pricing	Lead Time
	DRAM		12-28 weeks or
Micron	DIAM	Stable	more
WICIOII	Flash Memories	Stable	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
	MCO, 10-bit Stable	more	
	MCII 22 hit	Stable	12-32 weeks or
	MCU, 32-bit	Stable	more

DISCRETE: MOSFETS, RECTIFIERS

Manufacturer	Part/Series	Pricing	Lead Time
STMicroelectronics	MOSFETs	Stable	26-52 weeks or
51 Microelectroffics	MOSI ETS	Stable	more
	MOSFETs	Stable	26-80 weeks or
ON Semiconductor			more
ON Serriconductor	Low Voltage MOSFETs	Ctable/Ligh	36-80 weeks or
		Stable/High	more

PASSIVE: CHIP RESISTORS

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





AUTOMATION SOLUTIONS



ANALOG: OP AMPS

Manufacturer	Part/Series	Pricing	Lead Time
Texas Instruments	Operational Amplifiers (OP	Stable/Decreasing	12-28 weeks or
TEXAS ITISCI UTITETICS	AMPs)	Stable/ Decleasing	more

MICROCONTROLLERS (MCU) / MICROPROCESSORS (MPU)

Manufacturer	Part/Series	Pricing	Lead Time
	MCU, 8-bit	Stable	16-32 weeks or more
Microchip Technology	MCU, 16-bit		18-52 weeks or more
	MCU, 32-bit		35-52 weeks or more
NXP / Freescale	MCU, 16-bit	Stable	12-32 weeks or
Semiconductors	MCU, 32-bit	Stable	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
rexas ilistruments	De/De Switching Regulators	Stable	more
Infineon	Power Distribution Switches	Stable	26-52 weeks or
ПППеоп	rower Distribution Switches	Stable	more

DISCRETE: MOSFETS, RECTIFIERS, TVS DIODES, IGBT

Manufacturer	Part/Series	Pricing	Lead Time
ON Semiconductor	MOSFETs	Stable	26-80 weeks or more
ON Semiconductor	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
	MCU, 8-bit		16-32 weeks or more
			18-52 weeks or
Microchip Technology	MCU, 16-bit	Stable	more
	MCU, 32-bit		35-52 weeks or
			more
	MCU, 16-bit		12-32 weeks or
NXP / Freescale		Stable	more
Semiconductors MCU, 32-bit	MCII 32-bit		12-32 weeks or
	WICO, 32-DIC		more

ANALOG: OP AMPS

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

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

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

FPGAS/CPLDS

Manufacturer	Part/Series	Pricing	Lead Time
Intel / Altera	Cyclone 10 LP, 10CLxxx series		40-52 weeks or more
	MAX 10, 10Mxxx series		36-45 weeks or more
	Cyclone V, 5Cxxx series	Stable/High	30-52 weeks or more
	Cyclone IV, EP4Cxxx series		40-65 weeks or more
	Cyclone III, EP3Cxxx series		40-52 weeks or

DISCRETE: MOSFETS, RECTIFIERS

Manufacturer	Part/Series	Pricing	Lead Time
	MOSFETs	Stable	26-80 weeks or more
ON Semiconductor	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
rexas ilistruments	DC/DC Switching Regulators	Stable	more

ANALOG: OP AMPS

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

MICROCONTROLLERS (MCU) / MICROPROCESSORS (MPU)

Manufacturer	Part/Series	Pricing	Lead Time
NXP / Freescale	MCU, 16-bit	Stable	12-32 weeks or
Semiconductors	MCU, 32-bit		more
	MCU, 8-bit	Stable	12-36 weeks or more
Renesas	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	Stable	16-24 weeks or
Fallasoffic	Chip Resistors	Stable	more

DISCRETE: MOSFETS, RECTIFIERS

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

CONNECTORS

Manufacturer	Part/Series	Pricing	Lead Time
Hirose	Rectangular Connector Housings	Stable	12-28 weeks or
1111036			more

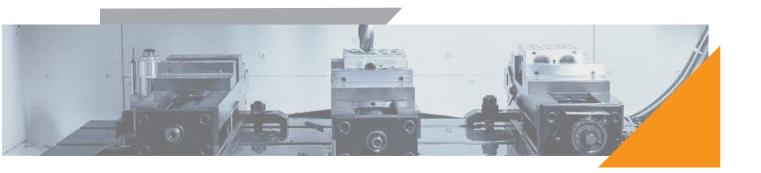
CIRCUIT PROTECTION: DC/DC CONVERTERS (BOARD MOUNT), AC/DC CONVERTERS (OFF-BOARD MOUNT)

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





INDUSTRIAL MACHINERY



MICROCONTROLLERS (MCU) / MICROPROCESSORS (MPU)

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

FPGAS/CPLDS

Manufacturer	Part/Series	Pricing	Lead Time
	Cyclone 10 LP, 10CLxxx series		40-52 weeks or more
	MAX 10, 10Mxxx series	Stable/High	36-45 weeks or more
Intel / Altera	Cyclone V, 5Cxxx series		30-52 weeks or more
	Cyclone IV, EP4Cxxx series Cyclone III, EP3Cxxx series		40-65 weeks or more
			40-52 weeks or more

ANALOG: OP AMPS

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

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

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



MODULES

DISCRETE: MOSFETS, RECTIFIEIRS

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

MICROCONTROLLERS (MCU) / MICROPROCESSORS (MPU)

Manufacturer	Part/Series	Pricing	Lead Time
	MCU, 8-bit		16-32 weeks or more
Microchip Technology	ology MCU, 16-bit Stable	18-52 weeks or more	
	MCU, 32-bit		35-52 weeks or more
NXP / Freescale Semiconductors	MCU, 16-bit	Chala	12-32 weeks or more
	MCU, 32-bit	Stable	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 wee more	12-35 weeks or
rexas ilistrafficits	DC/DC Switching Regulators		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
MICIOII	DRAIM	Stable	more

FPGAS/CPLDS

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

