













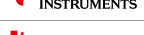



















## Analog

Stable market, stable lead times. Besides delivery constraints for TSSOP16 at STM we expect increasing lead times for ON, STM for most of the analog product groups.

Supplier	Product Group	Lead Time	Price	Special Note
 Infineon	Switched Voltage Regs	↔ 12-24 weeks	↔	-
 maxim integrated.	Data Converters	↔ 8-12 weeks	↔	-
 maxim integrated.	Interface (High End)	↔ 8-10 weeks	↔	-
 maxim integrated.	Op Amps High End	↔ 8-10 weeks	↔	-
 maxim integrated.	Switched Voltage Regs	↔ 8-10 weeks	↔	-
 maxim integrated.	Peripherals	↔ 8-10 weeks	↔	-
 MICROCHIP	Op Amps High End	↔ 8-12 weeks	↔	-
 MICROCHIP	Switched Voltage Regs	↔ 8-12 weeks	↔	-
 MICROCHIP	Data Converters	↔ 8-12 weeks	↔	-
 MICROCHIP	Interface	↔ 8-12 weeks	↔	-
 NXP	Interface	↔ 8-10 weeks	↔	-
 NXP	Op Amps High End	↔ 8-16 weeks	↔	-
ON Semiconductor 	Interface	↑↑ 18-26 weeks	↔	-
ON Semiconductor 	Op Amps High End	↑ 12-20 weeks	↔	-
ON Semiconductor 	Op Amps Commodities	↑↑ 18-26 weeks	↔	-
ON Semiconductor 	Switched Voltage Regs	↔ 8-16 weeks	↔	-
ON Semiconductor 	Voltage Regulators	↑↑ 18-26 weeks	↔	-
 ST <small>Sto. augmented</small>	Data Converters	↔ 8-16 weeks	↔	-
 ST <small>Sto. augmented</small>	Interface	↑ 12-20 weeks	↔	-
 ST <small>Sto. augmented</small>	Op Amps High End	↑ 8-16 weeks	↔	-
 ST <small>Sto. augmented</small>	Op Amps Commodities	↑ 12-20 weeks	↔	-
 ST <small>Sto. augmented</small>	Switched Voltage Regs	↑ 8-16 weeks	↔	-
 ST <small>Sto. augmented</small>	Voltage Regulators	↑ 12-20 weeks	↔	-
 TEXAS INSTRUMENTS	Data Converters	↔ 8-16 weeks	↔	-
 TEXAS INSTRUMENTS	Interface	↔ 6-12 weeks	↔	-
 TEXAS INSTRUMENTS	Op Amps High End	↔ 6-12 weeks	↔	-
 TEXAS INSTRUMENTS	Op Amps Commodities	↔ 6-12 weeks	↔	-
 TEXAS INSTRUMENTS	Switched Voltage Regs	↔ 8-16 weeks	↔	-
 TEXAS INSTRUMENTS	Voltage Regulators	↔ 6-12 weeks	↔	-






















## Discretes

For the majority of the Discrete devices the delivery situation is still constraint.  
Due to the tight delivery situation for a wide range of products some suppliers informed us about an increasing price trend.

Supplier	Product Group	Lead Time	Price	Special Note
 BROADCOM	RF Devices	↔ 10-18 weeks	↔	-
	Power MOSFETs	↑ 12-22 weeks	↑	-
	Bi-polar Power	↔ 9-12 weeks	↔	-
	IGBT	↔ 11-20 weeks	↔	-
	Rectifiers	↑ 10-20 weeks	↑	-
	Small Signal	↔ 10-18 weeks	↑	-
	Power MOSFETs	↑ 14-19 weeks	↔	-
	Bi-polar Power	↔ 6-8 weeks	↔	-
	Small Signal	↔ 8-13 weeks	↔	-
	Thyristors	↑ 12-24 weeks	↔	-
	IGBT	↔ 12-22 weeks	↔	-
	RF Devices	↔ 10-18 weeks	↔	-
	Rectifiers	↔ 12-20 weeks	↔	-
	Sensors	↔ 18-26 weeks	↔	-
nexperia	Small Signal	↑ 13-22 weeks	↔	-
nexperia	Bi-polar Power	↑ 20-24 weeks	↔	Allocation for LPAK (SOT1023, SOT1205, SOT1210 and SOT669), SOT89 20 weeks.
nexperia	TVS/Protection	↔ 11-18 weeks	↔	Allocation for SOT6xx, SOD9xx
nexperia	Power MOSFETs	↑ 16-22 weeks	↔	Allocation for LPAK (SOT1023, SOT1205, SOT1210 and SOT669)
nexperia	Zener Diodes	↔ 13-20 weeks	↔	-
	RF Devices	↔ 8-16 weeks	↔	-
	Sensors	↔ 10-16 weeks	↔	-

CONTINUED >>

>> Discretes (CONTINUED)

Supplier	Product Group	Lead Time	Price	Special Note
 ON Semiconductor	Bi-polar Power	↑ 12-18 weeks	↑↑	-
 ON Semiconductor	Zener Diodes	↔ 13-24 weeks	↑↑	-
 ON Semiconductor	Rectifiers	↔ 14-28 weeks	↑	-
 ON Semiconductor	TVS/Protection	↔ 13-24 weeks	↑↑	-
 ON Semiconductor	Small Signal	↔ 14-22 weeks	↑↑	-
 ON Semiconductor	Power MOSFETs	↔ 18-26 weeks	↔	-
 <small>ST</small> <small>the augmented</small>	Thyristors	↑ 12-20 weeks	↔	-
 <small>ST</small> <small>the augmented</small>	TVS/Protection	↔ 13-21 weeks	↑	Constraint capacity for several AECQ devices >20 weeks
 <small>ST</small> <small>the augmented</small>	Power MOSFETs	↑ 16-28 weeks	↔	-
 <small>ST</small> <small>the augmented</small>	Rectifiers	↔ 10-17 weeks	↔	-
 <small>ST</small> <small>the augmented</small>	Small Signal	↔ 10-12 weeks	↔	-
 <small>ST</small> <small>the augmented</small>	Bi-polar Power	↑ 16-26 weeks	↑	-
 <small>ST</small> <small>the augmented</small>	IGBT	↑ 20-24 weeks	↔	-
 TEXAS INSTRUMENTS	Power MOSFETs	↔ 12-22 weeks	↔	-
 <b>TOSHIBA</b> Leading Innovation >>>	Power MOSFETs	↔ 12-16 weeks	↔	-
 VISHAY	Thyristors	↔ 10-15 weeks	↔	-
 VISHAY	Zener Diodes	↔ 10-18 weeks	↔	-
 VISHAY	Rectifiers	↔ 14-28 weeks	↔	MicroSMP 26 weeks, SMP/SMPC 30 weeks
 VISHAY	TVS/Protection	↔ 14-36 weeks	↔	MicroSMP 26 weeks, SMAxx 38 weeks, SMBxx 31 weeks
 VISHAY	Small Signal	↔ 12-16 weeks	↔	-
 VISHAY	Power MOSFETs	↔ 14-26 weeks	↔	-

## Memory

**ALL PRICE TENDENCIES ARE INDICATED IN USD**






















**DRAM:** Micron DDR3 on allocation, other parts constrained

**NAND FLASH:** Toshiba allocation

**SRAM/NOR FLASH:** Stable pricing, good availability








**EEPROM ATMEL / Microchip:** No package pricing anymore, ASK BUY QUOTE AT MICROCHIP

**Cypress Franchise terminated, remaining stock can be sold at DC**

Supplier	Product Group	Lead Time	Price	Special Note
 <b>adesto</b> TECHNOLOGIES	Flash Serial	↔ 6-18 weeks	↔	-
 <b>FUJITSU</b>	FRAM	↔ 16-20 weeks	↔	-
 <b>IDT</b>	FIFO	↔ 5-12 weeks	↔	-
 <b>IDT</b>	SRAM Asynch.	↔ 5-12 weeks	↔	-
 <b>IDT</b>	SRAM Synch.	↔ 6-10 weeks	↔	-
 <b>IDT</b>	SRAM Multiport	↔ 6-10 weeks	↔	-
 <b>ISSI</b>	SDRAM	↔ 6-12 weeks	↔	-
 <b>ISSI</b>	DDR	↔ 6-12 weeks	↔	-
 <b>ISSI</b>	DDR2	↔ 6-12 weeks	↔	-
 <b>ISSI</b>	DDR3	↔ 6-12 weeks	↔	-
 <b>ISSI</b>	Flash Serial	↔ 8-12 weeks	↔	-
 <b>ISSI</b>	SRAM Asynch.	↔ 6-10 weeks	↔	-
 <b>ISSI</b>	SRAM Synch.	↔ 8-12 weeks	↔	-
 <b>MICROCHIP</b>	EEprom	↑↑ 5-17 weeks	↔	-
 <b>MICROCHIP</b>	Eprom	↑ 15-16 weeks	↑	-
 <b>Micron</b>	Flash (NOR)	↑ -	↔	-
 <b>Micron</b>	Flash (NAND)	↑ -	↔	-
 <b>Micron</b>	SDRAM	↑ -	↔	-
 <b>Micron</b>	DDR	↑ -	↔	-
 <b>Micron</b>	DDR2	↑ -	↔	Partly on allocation
 <b>Micron</b>	DDR3	-	↔	Allocation











CONTINUED >>

>> Memory (CONTINUED)

Supplier	Product Group	Lead Time	Price	Special Note
 ON	EEProm	↔ 11-21 weeks	↔	-
	DDR2	↔ 8-14 weeks	↔	-
	DDR3	↔ 8-14 weeks	↑	-
	DDR4	↔ 8-14 weeks	↑	-
 <small>life.augmented</small>	EEProm	↔ 3-12 weeks	↔	-
 <small>life.augmented</small>	SRAM NV	↔ 14-20 weeks	↔	-
 <small>Leading Innovation &gt;&gt;&gt;</small>	Flash (NAND)	12-14 weeks	↔	Allocation

## Opto

Lead times still increasing in general, SSL and automotive. Various products are on allocation, see details below. Osram HP and horti LED lead times +20weeks.

Supplier	Product Group	Lead Time	Price	Special Note
	LED's High Power	↔ 4-6 weeks	↔	* New Gen.7 COBs can be ordered now. On EBV stock * New Vero SE is on EBV stock
	Coupler	↔ 8-12 weeks	↔	-
	LED's Low/Mid Power	↑ 10-14 weeks	↔	-
	LED's High Power	↑ 10-14 weeks	↔	-
	Fiber-Optic	↔ 6-12 weeks	↔	-
	Coupler	↔ 8-12 weeks	↔	-
	LED's Low/Mid Power	↔ 11-13 weeks	↔	-
	LED's High Power	↔ 8-10 weeks	↔	-
	Infrared	↔ 6-8 weeks	↔	PT928 series 16 weeks
	Coupler	↑ 6-11 weeks	↔	-
	Infrared	↔ 6-8 weeks	↔	-
	LED Optic	↔ 4-6 weeks	↔	-
	LED's High Power	↔ 6-8 weeks	↔	-
	LED's Low/Mid Power	↑ 8-16 weeks	↔	<b>On allocation:</b> * NEW Multiled LRTB GVTG * Multiled LRTBGVSG, end is planned for Q4/17 * TOPLED Longlife LWTVSG, end is planned for Q4/17 * PowerToped with lens: LA E65F, LA E63F, LA E65FP, NEW! LS E63F, LS E65F * NEW Power Toped: LA E67F, LY E67F, LA E65F, LA ETSF, LY E65F, LY ETSF * Toped thinfilm: LS T67F, end is planned for Q3/17 * SmartLED: LG L29K, LS L296, LS L29K, LY L29K
	LED's High Power	↑ 12-26 weeks	↔	<b>On allocation:</b> * Osion Black Flat LA H9PP - end planned for Q3/17 * Advanced Power TOPLED LY G6SP and LA G6SP, the end of allocation is planned for Q3/17 * on allocation LWG6CP
	Infrared	↔ 8-16 weeks	↔	-
	LED's Low/Mid Power	↔ 6-8 weeks	↔	-
	LED's High Power	↔ 6-8 weeks	↔	-
	Coupler	↑ 12-24 weeks	↔	TLP124, TLP127, TLP290, TLP291 LT up to 24 weeks TLP185 allocation.
	Fiber-Optic	↔ 14-18 weeks	↔	-


















CONTINUED >>

>> Opto (CONTINUED)

Supplier	Product Group	Lead Time	Price	Special Note
 VISHAY	Coupler	↑ 4-20 weeks	↔	SOP-L4 up to 18 weeks
 VISHAY	LED's Low/Mid Power	↔ 6-8 weeks	↔	-
 VISHAY	LED's High Power	↔ 7-9 weeks	↔	-
 VISHAY	Infrared	↑ 4-20 weeks	↔	0805 SMD up to 35 weeks. VCNL series 6 to 24 weeks. Heimdall IR receiver up to 18 weeks.

## MCU & DSP




Microcontroller lead times are continuously increasing or are already on very high levels across almost all suppliers. Predominantly for NXP, Infineon, STM and Microchip. We are very close to severe supply constraints. A maximum of demand visibility is highly appreciated as this will be the only chance to meet on time delivery.

Supplier	Product Group	Lead Time	Price	Special Note
	8 Bit	↔ 8-12 weeks	↔	-
	16 Bit	↑ 12-20 weeks	↔	-
	32 Bit ARM, Cortex	↑ 14-24 weeks	↔	-
	32 Bit	↑ 14-24 weeks	↔	-
	8 Bit AVR	↔ 16-26 weeks	↔	-
	8 Bit PIC	↔ 10-20 weeks	↔	-
	16 Bit	↔ 14-20 weeks	↔	-
	32 Bit	↔ 16-26 weeks	↔	-
	8 Bit	↑ 8-24 weeks	↑	-
	16 Bit	↑ 8-24 weeks	↑	-
	32 Bit	↑ 8-22 weeks	↑	-
	DSP	↑ 8-18 weeks	↑	-
	8 Bit	↑↑ 16-26 weeks	↔	-
	16 Bit	↑↑ 16-26 weeks	↔	-
	32 Bit	↑↑ 16-26 weeks	↔	-
	16 Bit	↔ 12-20 weeks	↔	-
	DSP	↔ 8-26 weeks	↔	-



## Logic

EBV starting with Xilinx as of July 2017. Most actual dev tools for new product generations are available.





Supplier	Product Group	Lead Time		Price	Special Note
 <b>MICROCHIP</b>	Program. Logic	↔	6-24 weeks	↔	-
 <b>TEXAS INSTRUMENTS</b>	Program. Logic	↔	6-12 weeks	↔	-
 <b>XILINX</b> <small>ALL PROGRAMMABLE.</small>	Program. Logic	↔	6-8 weeks	↔	-

*The information and content in this newsletter is entirely based on market intelligence and constitutes on EBV Elektronik GmbH & Co. KG's own assessment. EBV Elektronik GmbH & Co. KG does not warrant the accuracy, adequacy or completeness of the information and materials contained in this newsletter and expressly disclaims any liability for errors or omissions in such information and materials.*

## Logic

Partly increases (price and lead time)

Partly constraints at ONS, Fairchild and Nexperia

Supplier	Product Group	Lead Time		Price	Special Note
	Standard Logic	↑	8-20 weeks	↑	-
	Standard Logic	↑	8-20 weeks	↔	-
	Standard Logic	↑	8-20 weeks	↔	-
	Standard Logic	↔	6-12 weeks	↑	-

*The information and content in this newsletter is entirely based on market intelligence and constitutes on EBV Elektronik GmbH & Co. KG's own assessment. EBV Elektronik GmbH & Co. KG does not warrant the accuracy, adequacy or completeness of the information and materials contained in this newsletter and expressly disclaims any liability for errors or omissions in such information and materials.*