

/TRENDLINER Q2/2024

AVNET[®] SILICA

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Main packages	Diodes Inc		Nexperia		onsemi		STMicroelectronics		Panjit	
	LT	LT trend	LT	LT trend	LT	LT trend	LT	LT trend	LT	LT trend
SOD80			6	=	22	=			12	=
SOD123 (F)	8-10	=	8	=	12	=	12-14	=	12	=
SOD323 (F)	8-10	=	6	=	15	=	12-14	=	12	=
SOD523	8-10	=	8	=	12	=	12-14	-	12	=
SOT23	8-12	=	8	=	12	=	12-14	=	12	=
SOT323 (SC70)	8	=	6	=	15	=	12-14	=	12	=
SOT363 (SC88)	8-10	=	6	=	12	=			12	=
SOT89	8-10	=	6	=	14	=			12	=
SOT223	8-10	=	6	=	12	=	12-16	=	12	=
SMA -SOD123W	8	=	6	=	18	=	12-16	=	12	=
SMB -SOD128W	8	-	6	=	20	=	12-16	=	12	=
SMC	8	=					12-16	=	12	=
LFPAK (MOSFET/Rectifier)	8-10	=	13-16	=	12-26	=	14-20	-	25	=
SO8 (MOSFET)	8-10	=	16	=	18-20	=	16-20	-	25	=
TO220	8	=	13	=	16-26	=	16-20	-	14	=
TO247	8	=	26+	=	14-26	=	16-20	-	14	=
DPAK	8-10	=	16	=	14-26	=	16-20	-	14	=
D2PAK	8-10	=	13	=	12-26	=	16-26	-	16	=
DFNs (Small Signal)	8-10	=	6	=	14	=	12-14	=	10	=

/ANALOG AND LOGIC

Main packages	Diodes Inc		Nexperia		onsemi		STMicroelectronics	
	LT	LT trend	LT	LT trend	LT	LT trend	LT	LT trend
D2PAK			10-12	=			10-52	-
DFN (AII)					26+	=	16-52	-
DPAK			10-12	=			16-52	-
PDIP	8-10	=						
SO14	8-10	=	2-8	=	26+	=	45+	-
SO16	8-10	=	2-8	=	10-52	=	45+	-
SO20	8-10	=	2-8	=	10-52	=	45+	-
SO24	8-10	=	2-8	=	26+	=	45+	-
SO8	8-12	+			26+	=	45+	-
SOT23-5/SOT23-6	8-10	=					16-52	-
SOT363/353 (SC70/SC88)	8-10	=					16-52	-
TO220	8-10	=					16-52	-
TSSOP14	8-10	=	2-8	=	26+	=	16-52	-
TSSOP16	8-10	=	2-8	=	10-52	=	16-52	-
TSSOP20	8-12	+	2-8	=	26+	=	16-52	-
TSSOP24	8-12	+	2-8	=	26+	=	16-52	-
TSSOP48			2-8	=	26+	=		
TSSOP56			2-8	=	26+	=		

/ MARKET OVERVIEW

DISCRETE	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)	COMMENTS
Small Signal	↓	→	9-16	
RF	→	→	9-16	

POWER	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)	COMMENTS
FET	→	→	16+	
IGBT	→	→	26+	
Rectifier	→	↑	9-16	
Other Power	→	↑	9-16	

SENSORS & ACTUATORS	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)	COMMENTS
	→	→	26+	

OPTO	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)	COMMENTS
LEDs <ul style="list-style-type: none"> Low Power Mid Power High Power 	→	→	2-8	New 2835 families launched by our suppliers - send in your inquiries!
	→	→	2-8	
	→	→	9-16	
Couplers	↓	→	16+	
Fibre-Optic	↓	→	16+	
Infrared	↓	→	16+	
Other Opto	↓	→	16+	

ANALOG	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)	COMMENTS
Standard <ul style="list-style-type: none"> Amplifiers & Comparators Analog Interface Power Management Converters 	→	→	16+	
	→	→	16+	
	→	→	16+	
	→	→	16+	
Standard Analog Total	→	→	16+	
Advanced	→	→	16+	

/ MARKET OVERVIEW

MEMORY	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)	COMMENTS
Flash	NOR	↑	→	16+
	NAND	→	→	9-16
eMMC	↑	→	9-16	Lead time increasing, forecast is key!
EEPROM	→	→	9-16	
DRAM	↑	↑	16+	Production capacity continue to drop w/all memory suppliers, prices going up throughout 2024.
SRAM	→	→	9-16	
Solid State Drives	↑	↑	26+	

MOS MICRO LOGIC	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)	COMMENTS
MPU	→	→	16+	
MCU	8 Bit & Lower	→	→	9-16
	16 Bit	→	→	16+
	32 Bit & Higher	→	→	9-16
	MCU Total	→	→	16+
Automotive MCU	→	→	26+	
DSP	→	→	26+	

PROGRAMMABLE LOGIC	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)	COMMENTS
	→	→	16+	

STANDARD LOGIC	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)	COMMENTS
Timing Products	→	→	26+	
Interface	→	→	26+	
Connectivity	→	→	26+	
Standard Logic	→	→	9-16	

/ SUPPLIER SPECIFICS

SUPPLIER	PRODUCT	LEAD TIME (WEEKS)	COMMENTARY
Allegro	All products	12-26	Stable lead time.
Alliance Memory	SRAM, DRAM, Flash	8-10	Good supply ex-stock.
Cirrus	MS Audio	16-30	Stable lead time.
	UK Audio	16-30	Stable lead time.
	UK Memos	20-36	Stable lead time.
Coilcraft	Shielded Power Inductors	6-10	Stable lead time.
	RF inductor, ceramic core	6-10	Stable lead time.
Delkin Devices	(micro)SD card, eMMC, SSD	8-12	Support and pricing based on forecast.
Diodes Inc	Power MOSFET	8-10	Good and stable lead times.
ISSI	Flash, DRAM, SRAM, eMMC	8-16	Good support for identified demand.
Kingston	eMMC, DRAM, SSD	8-10	Slight increase on eMMC prices.
Macronix	NOR Flash, SLC Nand only	8-12	No major change.
Marvell	All products	20-36	Stable lead time.
Microchip	All products	10-40	Stable lead time.
Micron	DRAM Module	25+	Long term support through 2025.
	DRAM	16-24	Manassas Fab6 capacity added for short term demand.
	NOR Flash	8-16	No change, forecast still key!
	eMMC	25+	Please ensure that relevant info is provided. Price and lead time still going up.
	SSD	25+	Good support for identified business.
MPS	All products	16-32	Stable lead time.

/ SUPPLIER SPECIFICS

SUPPLIER	PRODUCT	LEAD TIME (WEEKS)	COMMENTARY
Nexperia	Rectifiers, Schottkies, Bipolars	6-8	Slight increased lead times of 2 weeks.
	Power MOSFET	13-26	Lead times nearly back to normal for almost Power Mosfets packages. Only TO247 remaining long.
Nordic Semiconductor	All products	12-26	Stable lead time.
onsemi	Rectifiers, Schottkies	14-35	Increased lead times on SMA, SMB, SMC packages.
	Power MOSFET	12-26	Stable lead times even if still long for many products.
Panjit	Rectifiers, Schottkies	16	Increased lead times on SMA, SMB, SMC, TO220 packages of 4 weeks.
	Power MOSFET	14-25	Stable lead times for almost packages and good availability. Only LFPK and SO8 still long.
Quectel	All products	12-26	Stable lead time.
Sandisk (Spin-off Western Digital®)	Memory cards, eMMC and SSD	8-10	Slight prices increases. Everything forecasted can be supported.
Semtech	ISM SX12** Family	8-16	Stable lead time.
	ISM SX13** Family	8-16	Stable lead time.
	Power Discrete	8-20	Stable lead time.
	TVS	12-30	Stable lead time.
	Genum	22-28	Stable lead time.
Sharp	All products	22-24	General lead time for Opto products.
STMicroelectronics	EEPROM (SPI & ASM)	14+	Better supply, lead time decreasing.
	Power MOSFET	14-26	Lead times starting to decrease for all packages

/ PRODUCT LIFE NEWS

SUPPLIER	PRODUCT	STATUS	COMMENTARY
AMD (Xilinx native products)	Discontinuation of XC9500XL, CoolRunner XPLA 3, CoolRunner II, Spartan II, and Spartan 3, 3A, 3AN, 3E, 3ADSP product families.	End Of Life	Product discontinuation # XCN23009, with no direct replacement. Last Time Buy is June 28th 2024, subject to material availability. Load your orders asap to secure availability.
AMD (Xilinx native products)	Discontinuation of Virtex UltraScale+ HighBandwidth Memory FPGA.	End Of Life	Product discontinuation # XCN23006, with no direct replacement. Last Time Buy is December 2nd 2024, subject to material availability. Load your orders asap to secure availability.