

Rebound Electronics



Market Insight Q4/2020

General Market Insight	2
Broker Market Insight	2
Analog	6
Batteries	8
Connectivity	9
Discrete	11
Electromechanical	15
High-End	18
Interconnect	19
Opto/Lighting	21
Memory	23
Passives	25





General Market Insight

- Silicon Wafer Shipments Up Over 1Q'20 and Year-Ago Volumes
- World Public Cloud Services Market to grow 6.3% in 2020 to \$257.9 billion, up from \$242.7 billion in 2019
- Automotive business ramping up post lock down heating up demand
- Worldwide Tablet Shipments Recorded Solid Growth in Q2 2020

Broker Market Insight

- General increased level of activity through Q3. Forecast increase in Q4.
- Forecast tightening of supply moving into Q1 and possible allocation Q2. Dependent on external factors
- Trend for quick turn builds with immediate stock coverage required
- Renewed interest in PPV/ CR/ Reverse Engineering against brands such as TI, ADI, Onsemi, IFX, where route of supply is restricted, LT extended, Price increasing (3Peak / Godford)



STMicroelectronics

- F2 F3 F4 F5 F7 H7 L10 L1 L4 L5 G0 G4 G6 WB WL 16-22 weeks – expected to push out further
- EOL of SMA6JTVS in products in SMB package
- Continued worsening LT on STM32F0 & F1 series
- STM8- 12-14 weeks not expected to push further
- STM32MP- 16-20 weeks not expected to push further
- MOSFETS moving to 20 weeks +



Infineon

- MOSFETS moving to 20 weeks +



Nexperia

- MOSFETS moving to 20 weeks +



NXP

- Order books full for Q1. Taking bookings only for Q2. Expect volatility/ capacity constraints



ON Semiconductor

On Semiconductor

- Order books full for Q1. Taking bookings only for Q2. Expect volatility/ capacity constraints



Renesas

- General LT increases across all commodities



ANALOG		PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)
Standard	Amplifiers & Comparators	→	→	12-18
	Analog Interface	→	→	12-18
	Power Management	→	→	12-18
	Converters	→	→	12-18

MPU/MCU		PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)
MPU		→	→	18+
MCU	8 Bit & Lower	→	→	18+
	16 Bit	→	→	18+
	32 Bit & Higher	→	↑	18+
DSP		→	→	18+

PROGRAMMABLE LOGIC	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)
	→	→	18+

STANDARD LOGIC	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)
Timing Products	→	→	18+
Interface	→	→	18+
Connectivity	→	→	18+
Standard Logic	→	↑	12-18

POWER	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)
FET	→	→	18+
IGBT	→	→	18+
Rectifier	→	→	12-18
Other Power	→	→	12-18



MEMORY	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)
Flash	→	→	12-18
eMMC	→	→	18+
EEPROM	→	→	4-10
DRAM	→	→	12-18
SRAM	→	→	12-18
Solid State Drives	↓	→	18+

SENSORS	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)
	→	→	18+

OPTO	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)
LEDs (Low Power)	→	↓	4-10
LEDs (Mid Power)	→	↓	4-10
LEDs (High Power)	→	↓	4-10
Couplers	→	→	18+
Fibre-Optic	→	→	12-18
Infrared	→	→	12-18
Other Opto	→	→	12-18

DISCRETE	PRICING TREND	LEAD TIME TREND	LEAD TIME (WEEKS)
Small Signal	→	→	12-18
RF	→	→	12-18



↔	Stable
↗	Increasing
↘	Decreasing
SMA	Selective Market Adjustment
EOL	End-of-Life

click on a category below:

Analog	High- End
Batteries	Interconnect
Connectivity	Opto / Lighting
Discrete	Memory
Electromechanical	Passives

Analog

MANUFACTURER	PRODUCT	LEAD TIME (WEEKS)	TREND	PRICING	COMMENTS
AMS	Analog	18-54+	↔	↔	
BOSCH	Sensors	16-18	↔	↔	
DIODES	Multi- Source Analog/Power	14-16	↗	↔	
	Switching Regulators	14-16	↗	↔	
	Timings	10-12	↔	↔	
FTDI Chip	Interface	16-18	↔	↔	
Infineon	Sensors	10-42	↔	↔	
	Switching Regulators	28+	↗	↔	
	Analog and Power for Automotive (CAN/LIN/Smart FET)	24-26	↔	↔	
Maxim Integrated	Signal Chain Amplifiers	8-10	↔	↔	
	Interface	8-10	↔	↔	
	Sensors	8-10	↔	↗	
Maxlinear	Interface	12-14	↔	↔	
Melexis	Sensors	18-54	↗	↔	
Microchip	Signal Chain (Amplifiers and Data Converters	10-12	↔	↔	
	Timing	10-12	↔	↔	
	Switching Regulators	16-18	↗	↔	
MPS	Switching Regulators	10-14	↔	↔	



MANUFACTURER	PRODUCT	LEAD TIME (WEEKS)	TREND	PRICING	COMMENTS
NXP	Sensors	18-34	↗	↔	
	Interface	12-14	↔	↔	
	Analog and Power for Automotive (CAN/LIN/Smart FET)	22+	↔	↔	
Omron	Sensors	14-16	↔	↔	
ON Semiconductor	Sensors	20-26	↔	↔	
	Signal Chain (Amplifiers and Data Converters)	10-12	↔	↔	
	Timing	10-12	↔	↔	
	Multi- Source Analog/Power	16	↗	↔	
	Switching Regulators	16	↗	↔	
Panasonic	Sensors	16-20	↗	↔	
3PEAK	Signal Chain (Amplifiers and Data Converters)	6-8	↗	↔	
Renesas	Signal Chain (Amplifiers and Data Converters)	18-24	↗	↔	
	Timing	22	↗	↔	
	Switching Regulators	18-22	↗	↔	
ROHM	Sensors	14-26	↔	↔	
	Switching Regulators	10-18	↔	↔	
ST Microelectronics	Sensors	16-26	↔	↔	
	Signal Chain (Amplifiers and Data Converters)	16-18	↔	↔	
	Multi- Source Analog/Power	12-22	↗	↔	
	Switching Regulators	12-28	↗	↔	
	Analog and Power for Automotive (CAN/LIN/Smart FET)	24-26	↔	↔	
TE Sensor Solutions	Sensors	18-32	↗	↔	
Vishay	Sensors	16-22	↔	↔	



Batteries

MANUFACTURER	PRODUCT	LEAD TIME (WEEKS)	TREND	PRICING	COMMENTS
Energizer	Alkaline	10-12	↔	↔	
	Lithium Metal	10-12	↔	↔	
	Silver Oxide	10-12	↔	↔	
GP Batteries	Alkaline	10-12	↔	↔	
	Lithium Metal	12-14	↔	↔	
	Lithium Ion	12-14	↔	↔	
	Nickle Metal Hydride	12-14	↔	↔	
	Lead Acid	10-12	↔	↔	
	Carbon Zinc	10-12	↔	↔	
Panasonic	Alkaline	12-14	↔	↔	
	Lithium Metal	16-18	↔	↔	
	Nickle Metal Hydride	10-12	↔	↔	
	Lead Acid	14-16	↔	↗	
	Carbon Zinc	10-12	↔	↔	
Renata Batteries	Lithium Metal	14-16	↔	↔	
	Nickle Metal Hydride	12-14	↔	↔	
	Silver Oxide	10-12	↔	↔	
	Carbon Zinc	10-12	↔	↔	
VARTA	Alkaline	12-14	↔	↔	
	Lithium Metal	20-26	↔	↗	
	Lithium Ion	34-40	↗	↔	
	Nickle Metal Hydride	12-14	↔	↔	



Connectivity

MANUFACTURER	PRODUCT	LEAD TIME (WEEKS)	TREND	PRICING	COMMENTS
AMS	RFID	30-32	↗	↔	
AVX	Antennas	10-12	↔	↔	
	802.15.4/Zigbee Modules	16-18	↔	↔	
CEL	Small Signal, Schottky Diodes, PIN Diodes,Bipolar Transistors,FETs/PHEMTs,Amplifiers,Mixers & Modulators, VCOs, SS Bipolar Transistors,Wideband Transistors	20-22	↔	↔	
Cypress	Bluetooth Modules	12-14	↔	↔	
Laird Connectivity	Wi-Fi Modules	18-22	↗	↗	
	Antennas	18-22	↗	↗	
	Cellular Modules	8-12	↔	↔	
Linx Technologies	Antennas	8-10	↔	↔	
	Transceivers/Receivers	8-10	↔	↔	
Melexis	Transceivers/Receivers	18	↔	↔	
	RFID	16-18	↔	↔	
	Wi-Fi Modules	20-22	↔	↔	
Microchip	Bluetooth Modules	20-22	↔	↔	
	Transceivers/Receivers	16-18	↔	↔	
Murata	Wi-Fi Modules	24-28	↔	↔	
	Bluetooth Modules	24-28	↔	↔	



MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
NXP	Multi-Protocol/Chip Solutions	14-16	↔	↔	
	Transceivers/Receivers	10-12	↔	↔	
	RFID	12-14	↔	↔	
	High Power IC's	20	↔	↔	
ON Semiconductor	Bluetooth Modules	18-32	↔	↔	
Panasonic	Bluetooth Modules	18-20	↔	↔	
	RFID	16-18	↔	↔	
Pulse Electronics	Antennas	10-12	↔	↔	
Sierra Wireless	Multi-Protocol/Chip Solutions	20-22	↗	↔	
	Cellular Modules	20-22	↔	↔	
Silex Technology	Wi-Fi Modules	16-18	↔	↔	
ST Microelectronics	Bluetooth Modules	14-18	↔	↔	
	RFID	10-12	↔	↔	
Taoglas	Antennas	10-12	↔	↔	
U-Blox	Bluetooth Modules	12-14	↔	↔	
	Cellular Modules	12-14	↔	↔	
	GPS	12-14	↔	↔	



Discrete

MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
Alpha Power Solutions	Silicon Carbide Diode (650V - 1700V)	10-12	↔	↙	
	Silicon Carbide MOSFETs (650V - 1200V)	10-12	↔	↙	
AVX	Varistors	14-18	↔	↔	
CEL	Optocoupler Components	22	↔	↔	
Diodes Inc.	Low Voltage MOSFETS	20-24	↗	↔	
	TVS Diodes	12-14	↔	↔	
	Bridge Rectifiers	12-16	↔	↔	
	Schottky Diodes	12-22	↔	↔	
	Rectifiers	12-16	↔	↔	
	Switching Diodes	12-18	↔	SMA	
	Small Signal MOSFETS	16-24	↔	↔	
	Zener Diodes	12-22	↔	↔	
	Bipolar Transistors	12-22	↔	↔	
	Digital Transistors	12-22	↔	↔	
	General Purpose Transistors	12-22	↔	↔	
	Logic	14-18	↔	↔	
EATON	ESD	14-16	↔	↔	
	Fuses	12-16	↔	↔	
	Clips and Holders	14-18	↔	↔	
Everlight	Optocoupler Components	20-24	↔	↔	
Fairchild (ON Semiconductor)	Low Voltage MOSFETS	14-18	↔	SMA	
	High Voltage MOSFETS	18-28	↗	↔	
	IGBTs	16-22	↔	↔	
	Bridge Rectifiers	12-16	↔	↔	
	Schottky Diodes	14-18	↔	↔	
	Rectifiers	12-14	↔	↔	
	Switching Diodes	12-22	↔	↔	
	Small Signal MOSFETS	12-22	↔	↔	
	Zener Diodes	20-24	↔	↔	
	Bipolar Transistors	12-22	↔	↔	
	Optocoupler Components	12-16	↔	↔	
Goford Semiconductor	Low-Medium Voltage MOSFETS	4-6	↔	↔	
	High Voltage MOSFETS	4-6	↔	↔	
Hollyfuse	Fuses	14-16	↔	↔	



MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
Infineon	Low Voltage MOSFETS	18-32	↔	SMA	
	High Voltage MOSFETS	20-22	↔	SMA	
	IGBTs	20-22	↙	↔	
	Wide Bandgap MOSFETS	16-18	↙	SMA	
	Digital Transistors	10-14	↔	↔	
	General Purpose Transistors	12-20	↔	↔	
	Mil-Aero Transistors	22-38	↗	↗	
Isocom Components	Optocoupler Components	4	↔	↔	
IXYS	High Voltage MOSFETS	28-32	↔	↔	
	IGBTs	28-32	↔	↔	
	Thyristors/Triacs	32	↙	↔	
Keystone	Clips and Holders	10-12	↔	↔	
Lite-On	Optocoupler Components	12-16	↔	↔	
Littelfuse	ESD	14-18	↔	↔	
	Diode Arrays	14-16	↔	↔	
	Varistors	14-18	↔	↗	
	Wide Bandgap MOSFETS	16-18	↔	↔	
	Fuses	16-28	↔	↗	
	PTC Fuses	12-14	↔	↔	
	Clips and Holders	12-22	↔	↗	
	Thyristors/Triacs	12-16	↔	↔	
	TVS Diodes	14-20	↔	↔	
	Sensors	20	↗	↗	
Micro Commercial Components	Schottky Diodes	10-16	↔	SMA	
	Switching Diodes	10-16	↔	SMA	
	Zener Diodes	10-16	↔	SMA	
	General Purpose Transistors	10-16	↔	↔	



MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
Microsemi	High Voltage MOSFETS	22-24	↔	↔	
	IGBTs	20-22	↔	↔	
	Mil-Aero Diodes	32-52	↗	SMA	
	Mil-Aero Transistors	32-62	↗	↗	
Nexperia	Low Voltage MOSFETS	12-14	↙	↔	
	ESD	8-16	↗	SMA	
	Schottky Diodes	6-12	↔	SMA	
	Switching Diodes	6-12	↔	SMA	
	Small Signal MOSFETS	6-14	↔	↔	
	Zener Diodes	6-12	↔	SMA	
	Bipolar Transistors	8-12	↔	SMA	
	Digital Transistors	6-12	↔	SMA	
	General Purpose Transistors	6-12	↔	SMA	
	Logic	6-8	↔	↔	
ON Semiconductor	Low Voltage MOSFETS	10-18	↙	SMA	
	ESD	10-22	↔	↔	
	Wide Bandgap Mosfets	14-16	↙	SMA	
	Schottky Diodes	10-18	↔	SMA	
	Rectifiers	14-22	↗	↔	
	Switching Diodes	10-18	↔	SMA	
	Small Signal MOSFETS	12-22	↔	SMA	
	Zener Diodes	10-18	↔	SMA	
	Bipolar Transistors	10-18	↔	SMA	
	Digital Transistors	10-18	↔	SMA	
	General Purpose Transistors	10-14	↔	SMA	
	Logic	14-18	↔	↔	
ProTek Devices	Diode Arrays	14-18	↔	↔	
Renesas	Optocoupler Components	24-32	↗	↔	
ROHM	High Voltage MOSFETS	18-22	↙	↔	
	Wide Bandgap MOSFETS	18-20	↔	↔	
	Schottky Diodes	14-24	↔	↔	
	Switching Diodes	12-22	↔	↔	
	Digital Transistors	14-22	↔	↔	
	General Purpose Transistors	14-22	↔	↔	



MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
Schurter	Fuses	14-16	↔	↔	
	Clips and Holders	14-18	↗	↔	
Semtech	Diode Arrays	10-14	↔	↔	
	Mil-Aero Diodes	22-32	↗	↔	
ST Microelectronics	Low Voltage MOSFETS	16-28	↗	↔	
	High Voltage MOSFETS	14-20	↙	SMA	
	IGBTs	16-20	↗	SMA	
	ESD	16-22	↔	↔	
	Wide Bandgap MOSFETS	28-32	↔	↔	
	Thyristors/Triacs	18-22	↔	↔	
	TVS Diodes	16-18	↔	↔	
	Rectifiers	12-18	↔	↔	
	Bipolar Transistors	12-22	↔	↔	
Taiwan Semiconductor	Low Voltage MOSFETS	14-16	↔	↔	
	ESD	14-16	↔	↔	
	Schottky Diodes	14-16	↔	↔	
	Rectifiers	14-16	↔	↔	
	Switching Diodes	14-16	↔	↔	
	Small Signal MOSFETS	14-16	↔	↔	
	Zener Diodes	14-16	↔	↔	
	Bipolar Transistors	14-16	↔	↔	
	Digital Transistors	14-16	↔	↔	
	General Purpose Transistors	14-16	↔	↔	
TDK EPCOS	Varistors	20-24	↔	↔	
	PTC Fuses	12-14	↔	↗	
Vishay	Low Voltage MOSFETS	14-18	↔	SMA	
	High Voltage MOSFETS	18-20	↔	SMA	
	TVS Diodes	18-20	↔	↔	
	Bridge Rectifiers	8-14	↔	↔	
	Rectifiers	8-14	↔	↔	
	Zener Diodes	14-18	↔	↔	
	Optocoupler Components	22	↗	↔	



Electromechanical

MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
AVX	Timing	14-16	↔	↔	
Aavid	Fans	14-16	↔	↔	
	Heatsinks	14-16	↔	↔	
Abracon	Timing	14-32	↗	↔	
ADDA	Fans	14-18	↔	↗	
Alps Electric	Switches	14-26	↗	↔	
American Zettler	Relays	14-28	↔	↔	
Bivar	Hardware	8-10	↔	↔	
C&K	Switches	14-22	↔	↗	
Citizen Finedevice	Timing	14-22	↗	↔	
COSEL	Power Supplies (AC/DC)	14-22	↔	↔	
	Power Supplies (DC/DC)	14-18	↔	↔	
CTS	Switches	10-12	↔	↔	
	Timing	10-12	↔	↔	
CUI Inc	Power Supplies (AC/DC)	12-14	↔	↔	
	Power Supplies (DC/DC)	14-16	↔	↔	
	Heatsinks	12-14	↔	↔	
Delta	Fans	20-22	↔	↔	
Diodes Inc	Timing	10-12	↔	↔	



MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
E-Switch	Switches	12-14	↙	↔	
EPSON Electronics America	Timing	12-30	↗	↔	
Fox	Timing	12-14	↔	↗	
Grayhill	Switches	18-20	↗	↔	
Heyco	Hardware	8-10	↔	↔	
Hongfa	Relays	18-34	↔	↔	
Infineon	Relays	20-24	↔	↔	
IXYS	Relays	10-16	↔	↔	
Keystone	Hardware	6-8	↔	↔	
Kyocera International	Timing	14-16	↔	↔	
Meanwell	Power Supplies (AC/DC)	12-14	↙	↔	
Mornsun	Power Supplies (AC/DC)	6	↔	↔	
	Power Supplies (DC/DC)	6	↔	↔	
Murata	Timing	10-12	↔	↔	
Murata Power Solutions	Power Supplies (AC/DC)	14-22	↗	↔	
	Power Supplies (DC/DC)	14-16	↔	↔	



MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
Myrra	Power Supplies (AC/DC)	14-16	↔	↔	
NKK Switches	Switches	12-20	↔	↔	
NMB	Fans	12-14	↔	↗	
Ohmite	Fans	12-14	↗	↗	
Omron	Switches	14-16	↔	↔	
Panasonic	Relays	16-38	↔	↔	
	Switches	12-14	↔	↔	
Qualtek	Fans	16-18	↔	↔	
Ralton	Timing	12-18	↔	↔	
RECOM	Power Supplies (AC/DC)	14-20	↔	↔	
	Power Supplies (DC/DC)	14-20	↔	↔	
Schneider Electric	Relays	16-18	↔	↔	
Song Chuan	Relays	26-28	↔	↔	
SUNON	Fans	18-20	↔	↔	
TE Sensor Solutions	Relays	14-16	↔	↔	
	Switches	12-14	↔	↔	
Vicor	Power Supplies (AC/DC)	22-24	↔	↔	
	Power Supplies (DC/DC)	22-24	↔	↔	



High-End

MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
Compulab	SOM	18	↔	↔	
Cypress	8 bit MCU	18-26	↔	↔	
	32 bit MCU	18-26	↗	↔	
	USB	16-22	↗	↗	
	Automotive	22-26	↔	↔	
DKE	E-paper Display	8-10	↔	↔	
Formerica	Fibre Optic Transceivers	10-14	↗	↔	
Infineon	Automotive	34	↔	↔	
Lattice Semiconductor	FPGA	14-16	↗	↗	
Microchip	8 bit MCU	14-18	↗	↗	
	32 bit MCU	18-28	↗	↔	
	PHY/ Ethernet	20	↔	↗	
	USB	10-12	↔	↗	
	32 bit MPU	14	↔	↔	
Microsemi	FPGA	14-18	↗	↔	
	PHY/ Ethernet	10-12	↔	↗	
NXP	8 bit MCU	14-16	↙	↔	
	32 bit MCU	14-16	↙	↔	
	Automotive	18-20	↔	↔	
	32 bit MPU	20	↔	↔	
	Network Processors	18-28	↗	↔	
Raystar	LCDs	7-8	↔	↔	
Renesas	8 bit MCU	22	↔	↔	
	32 bit MCU	22	↔	↔	
	Automotive	32	↔	↔	
	32 bit MPU	26	↔	↔	
Renesas Synergy	32 bit MCU	14-16	↔	SMA	
Sharp	LCDs	22-26	↔	↗	
ST Microelectronics	8 bit MCU	16-18	↗	↔	
	32 bit MCU	22-26	↗	↔	
	Automotive	52	↔	↔	
	32 bit MPU	20	↔	↔	
Zilog	8 bit MCU	24-28	↗	↔	



Interconnect

MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
Adam Tech	D-Sub Connectors	14-16	↔	↔	
	PCB Connectors	14-16	↔	↔	
Altech Corp.	Terminal Blocks & Crimps	8-10	↔	↔	
Amphenol ICC	D-Sub Connectors	10-12	↔	↔	
	Data & Telecom	10-12	↔	↔	
	PCB Connectors	10-12	↔	↔	
	FFC/FPC	10-12	↔	↔	
Amphenol Sine System	Circular Connectors	14	↔	↔	
AVX	Lighting Connectors	12-14	↗	↔	
Connfly	PCB Connectors	14-16	↔	↔	
Degson	Terminal Blocks & Crimps	14	↔	↔	
EDAC	PCB Connectors	12-16	↔	↔	
Greenconn Technology	PCB Connectors	3-4	↔	↔	



MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
HALO Electronics	Data & Telecom	18-20	↔	↔	
HARTING	PCB Connectors	10-12	↔	↔	
	PCB Connectors	10-14	↔	↔	
Hirose Electric	RF Connectors	14-16	↔	↔	
	FFC/FPC	12-14	↔	↔	
JST	PCB Connectors	18-28	↔	↔	
	PCB Connectors	6-8	↔	↔	
Mil-Max	IC Sockets	6-8	↔	↔	
Omron	PCB Connectors	14-16	↔	↔	
Sullins	PCB Connectors	8-10	↔	↔	
	Automotive Connectors	18-22	↗	↔	
	Circular Connectors	42	↗	↔	
	Relays	54+	↔	↔	
	D-Sub Connectors	10-12	↗	↔	
	Data & Telecom	10-12	↗	↔	
TE Connectivity	PCB Connectors	10-12	↗	↔	
	RF Connectors	14-16	↗	↔	
	IC Sockets	8-10	↔	↔	
	Terminal Blocks & Crimps	16-18	↗	↔	
	Lighting Connectors	10-12	↔	↔	
	Terminal Blocks & Crimps	10-12	↗	↔	
WAGO	Lighting Connectors	10-12	↗	↔	
WECO	Terminal Blocks & Crimps	10-12	↔	↔	



Opto/Lighting

MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
Bridgelux	Chip On Board (CoB)	8-10	↔	↔	
Dialight	Indication LEDs	12-18	↗	↔	
Everlight	Automotive LEDs (AEC-Q101 Certified)	10-12	↔	↔	
	Infrared Components/ LED	10-12	↔	↔	
	Indication LEDs	10-12	↗	↔	
	UV LEDs	10-12	↔	↔	
Excellence Optoelectronics Inc.	Automotive LEDs (AEC-Q101 Certified)	8-10	↔	↔	
General Luminaire	Standard Light Engines (Level 2 Boards)	10-12	↔	↔	
Inolux	Indication LEDs	8-10	↔	↔	
Kingbright	LED Displays	14-16	↔	↗	
	Indication LEDs	14	↔	↔	
Lite-On	Infrared Components/ LED	8-10	↔	↔	
	LED Displays	10-12	↔	↔	
	Indication LEDs	10-12	↔	↔	
Lumex	LED Displays	14	↔	↔	
	Indication LEDs	10-16	↔	↔	
Lumileds	Illumination High Power LEDs (White)	12-14	↗	↗	
	Illumination High Power LEDs (Colors)	12-14	↗	↗	
	Illumination High Power LEDs (White & Colors)	10-12	↔	↔	
	Automotive LEDs (AEC-Q101 Certified)	16-18	↗	↗	
	Chip On Board (CoB)	12-14	↗	↗	
	Standard Light Engines (Level 2 Boards)	14-16	↗	↗	
	Infrared Components/ LED	10-12	↔	↔	
	UV LEDs	10-12	↔	↔	



MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
Nichia	Illumination High Power LEDs (White)	8-10	↔	↔	
	Illumination High Power LEDs (Colors)	10-12	↔	↔	
	Illumination High Power LEDs (White & Colors)	8-10	↔	↔	
	Chip On Board (CoB)	8-10	↔	↔	
Raystar	OLEDs	7-8	↗	↗	
	TFT Displays	7-8	↗	↗	
ROHM	Infrared Components/ LED	8-10	↔	↔	
	Indication LEDs	12-14	↔	↔	
Samsung LED	Illumination High Power LEDs (White)	10-12	↔	↔	
	Illumination High Power LEDs (White & Colors)	8-10	↔	↔	
	Chip On Board (CoB)	8-10	↔	↔	
	Standard Light Engines (Level 2 Boards)	12-14	↔	↔	
Seoul Semiconductor	Illumination High Power LEDs (White)	10-12	↔	↔	
	Illumination High Power LEDs (White & Colors)	8-10	↔	↔	
	Chip On Board (CoB)	8-10	↔	↔	
	Standard Light Engines (Level 2 Boards)	12-14	↔	↔	
Seoul Viosys	UV LEDs	10-12	↗	↔	
Stanley Electric	LED Displays	14	↔	↔	
	Indication LEDs	12-14	↔	↔	
SunLed	LED Displays	10-12	↔	↔	
Team Source	TFT Displays	7-8	↔	↔	
TT Electronics- Optek Technology	Infrared Components/ LED	10-12	↗	↔	
VCC	Indication LEDs	14	↔	↔	
Vishay	Infrared Components/ LED	10-22	↔	↔	
	Indication LEDs	10-32	↔	↔	
	UV LEDs	8-10	↔	↔	



Memory

MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
ADATA	Memory Modules	8-10	↔	↔	
	Memory Cards	8-10	↔	↔	
	Solid State Drives (SSD)	8-10	↔	↔	
Adesto Technologies	NOR Flash	6-14	↔	↔	
	DATA Flash	10-14	↔	↔	
Alliance Memory	PC (Commodity) DRAM	6-10	↔	↔	
	Mobile DRAM	10-12	↔	↔	
	SRAM	8-12	↔	↔	
	NOR Flash	8-10	↔	↔	
Cypress	SRAM	10-30	↗	↔	
	NOR Flash	12-20	↔	↔	
	FRAM & NVSRAM	18-30	↗	↔	
Everspin Technologies	MRAM	10-16	↔	↔	
Greenliant	eMMC	10-14	↔	↔	
	Memory Cards	10-14	↔	↔	
	Solid State Drives (SSD)	12-14	↔	↔	
Kingston	PC (Commodity) DRAM	8-10	↔	↔	
	Mobile DRAM	8-10	↔	↔	
	Memory Modules	8-10	↔	↔	
	eMMC	6-8	↔	SMA	
	Memory Cards	4-6	↘	SMA	
	Solid State Drives (SSD)	6-8	↔	↔	
Macronix	NOR Flash	14-18	↔	↔	
	SLC NAND Flash	10-12	↔	↔	
	eMMC	8-10	↔	↔	



MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
Microchip	NOR Flash	10-18	↔	↔	
	EEPROM	10-22	↗	↔	
	EPROM	8-14	↔	↔	
Micron	PC (Commodity) DRAM	12-16	↔	↔	
	Memory Modules	16-18	↔	↔	
	eMMC	14-16	↔	↔	
	Solid State Drives (SSD)	16-18	↔	↔	
ON Semiconductor	EEPROM	10-22	↔	↔	
Panasonic	Memory Cards	14-28	↔	↔	
Renesas	SRAM	20-22	↔	↔	
ROHM	FRAM & NVSRAM	18-20	↔	↔	
Samsung	PC (Commodity) DRAM	12-16	↔	↔	
	Memory Modules	16-18	↔	↔	
	eMMC	14-16	↔	↔	
	Solid State Drives (SSD)	16-18	↔	↔	
SkyHigh Memory	SLC NAND Flash	8-10	↔	↔	
	eMMC	8-10	↔	↔	
STMicroelectronics	EEPROM	16-28	↗	↔	



Passives

MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
API Delevan	Inductors	22-50	↔	↔	
	Capacitors- Supercapacitors	16-18	↔	↔	
AVX	Capacitors- Tantalum Molded	32-34	↘	↔	
	Capacitors- Tantalum Conformals	54+	↔	↔	
	Capacitors- Polymer Tantalum	16-18	↔	↔	
	Surface Mount General Capacitors- Ceramic (Less than 1 uf)	14-16	↔	↔	
	Surface Mount General Capacitors- Ceramic (Greater than 1 uf)	16-18	↔	↔	
	Leaded Capacitors- Ceramic	22-30	↔	↔	
	Specialty Capacitors	24-32	↔	↔	
	Filters- Common Mode Choke	5-7	↗	↔	
Coilmaster Electronics	High Frequency Transformer	8-9	↗	↔	
	Inductors	6-8	↗	↔	
	LAN Magnetics Transformer	7-9	↗	↔	
CTS	Resistor Networks	12-16	↔	↔	
Eaton	Capacitors- Supercapacitors	12-16	↔	↔	
	Inductors	16-18	↔	↔	
ELNA	Capacitors- Supercapacitors	22-32	↘	↔	
Faratronic	Capacitors- Film	14-16	↔	↔	
HALO Electronics	Inductors	16-20	↔	↔	
Murata	Filters	14-20	↔	↔	
	Inductors	14-24	↗	↗	
	Surface Mount General Capacitors- Ceramic (Less than 1 uf)	12-14	↔	↔	
	Surface Mount General Capacitors- Ceramic (Greater than 1 uf)	16-18	↔	↔	
	Leaded Capacitors- Ceramic	20-22	↔	↔	
	Specialty Capacitors	14-16	↔	↔	
NIC Components	Electrolytic	20-22	↗	↔	
	Filters	10-14	↔	↗	
	Inductors	16-20	↔	↔	
	Fixed Resistors	16-18	↔	↔	
	Surface Mount General Capacitors- Ceramic (Less than 1 uf)	18-20	↘	↔	
	Surface Mount General Capacitors- Ceramic (Greater than 1 uf)	18-20	↘	↔	
	Leaded Capacitors- Ceramic	28-30	↗	↗	



MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
Nichicon	Electrolytic	22-26	↗	↔	
Nippon Chemi-Con	Electrolytic	18-26	↔	↔	
Panasonic	Electrolytic	20-26	↗	↔	
	Capacitors- Polymer Tantalum	16-18	↗	↔	
	Inductors	22-24	↔	↔	
	Fixed Resistors	12-14	↔	↔	
	Resistor Networks	20-22	↔	↗	
Pancon Corp.- Paktron	Capactors- Film	12-14	↔	↗	
Royal Ohm	Resistor Networks	12-14	↔	↔	
Samwha Electric	Electrolytic	14-16	↔	↔	
Samsung Electro-Mechanics	Fixed Resistors	42-44	↗	↗	
	Surface Mount General Capacitors- Ceramic (Less than 1 uf)	18-20	↗	↗	
	Surface Mount General Capacitors- Ceramic (Greater than 1 uf)	18-20	↗	↗	
Stackploe Electronics	Fixed Resistors	20-22	↗	↔	
Sumida	Inductors	18-26	↔	↔	
TDK	Filters	28-42	↗	↗	
	Inductors	14-24	↔	↗	
	Surface Mount General Capacitors- Ceramic (Less than 1 uf)	22-26	↔	↔	
	Surface Mount General Capacitors- Ceramic (Greater than 1 uf)	22-24	↔	↔	
TDK EPCOS	Capacitors- Film	24-26	↗	↔	
	Filters	16-28	↔	↔	



MANUFACTURER	PRODUCT	LEAD TIME (WKS)	TREND	PRICING	COMMENTS
TT Electronics- BI Technologies	Trimmers & Pots	10-22	↔	↔	
TT Electronics- IRC	Fixed Resistors	22-32	↗	↔	
United Chemi-Con	Electrolytic	20-22	↗	↔	
Viking	Surface Mount General Capacitors- Ceramic (Less than 1 uf)	20-22	↔	↗	
	Surface Mount General Capacitors- Ceramic (Greater than 1 uf)	22-24	↔	↗	
Vishay	Trimmers & Pots	12-16	↔	↔	
	Capacitors- Film	14-18	↔	↔	
	Capacitors- Supercapacitors	16-18	↔	↔	
	Capacitors- Tantalum Molded	24-26	↔	↔	
	Capacitors- Tantalum Conformals	16-18	↔	↔	
	Capacitors- Polymer Tantalum	22-24	↔	↔	
	Inductors	14-22	↘	↔	
	Fixed Resistors	22-24	↔	↔	
	Surface Mount General Capacitors- Ceramic (Less than 1 uf)	20-22	↔	↔	
	Leaded Capacitors- Ceramic	14-18	↔	↔	
Walsin Technology Corp.	Specialty Capacitors	12-14	↔	↔	
	Surface Mount General Capacitors- Ceramic (Less than 1 uf)	20-22	↔	↔	
WIMA	Surface Mount General Capacitors- Ceramic (Greater than 1 uf)	20-22	↔	↔	
	Capacitors- Film	14-16	↔	↔	
Würth Elektronik	Inductors	18-24	↔	↗	
Yageo	Fixed Resistors	20-22	↘	↔	
	Resistor Networks	20-22	↘	↔	
	Surface Mount General Capacitors- Ceramic (Less than 1 uf)	20-22	↘	↔	
	Surface Mount General Capacitors- Ceramic (Greater than 1 uf)	20-22	↘	↔	

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